This meeting will be held in person
In Public Meeting Room A
Delta Administration Building
7710 West Saginaw Highway
Lansing, MI 48917

TOWNSHIP BOARD REGULAR MEETING
AGENDA
Monday, May 15, 2023 - 6:00 PM

This meeting will be streamed live for viewing only at:
https://us02web.zoom.us/j/89411395382?pwd=TmRPazhCRDQwUjYvWHBFOCtjMldVUT09
Meeting ID: 894 1139 5382
Passcode: 038445
For the hearing impaired, please call 711 (TTY Support) to access the FCCs phone relaying service and provide the following phone number 1-312-626-6799.
Please note all public comments must be made in person.

I. CALL TO ORDER

II. OPENING CEREMONIES

III. ROLL CALL – Members: Supervisor Kenneth R. Fletcher, Clerk Mary R. Clark, Treasurer Dennis R. Fedewa, Trustee Elizabeth (Beth) S. Bowen, Trustee Fonda J. Brewer, Trustee Andrea M. Cascarilla, and Trustee Karen J. Mojica

IV. PRESENTATIONS AND PROCLAMATIONS

1. **Annual Audit Report**

V. SET/ADJUST AGENDA

VI. PUBLIC HEARINGS - Members of the public at the meeting shall not speak unless recognized by the chair. Members of the public shall be limited to speaking for a maximum of three (3) minutes during a public hearing. Prior to speaking, members of the public must also identify themselves with their name and address.

VII. COMMUNICATIONS

2. **WRRF Update**

3. **Ultium 3 Update**

VIII. PUBLIC COMMENTS (maximum three minutes)

IX. INTRODUCTION OF ORDINANCES

X. PASSAGE OF ORDINANCES

XI. CONSENT AGENDA – Anyone may request item(s) to be pulled from the consent agenda for discussion. If left on the consent agenda, the items will be voted on by a roll call vote of the Board en masse. Then, the individual item(s) will be discussed and voted upon.

4. **Bills and Financial Transactions**

   a. **$ 6,196,664.50**

5. **Minutes**

   a. **May 1, 2023**

   b. **May 8, 2023**

6. **Ultium 3 Battery Plant Bid Package 4 – Water and Sanitary Sewer Improvements Electrical & Instrumentation Equipment**
   The Engineering Department recommends that the Delta Township Board approve accept the proposals for the Electrical & Instrumentation Equipment for the Ultium 3 Bid Package 4 Water and Sanitary Sewer System Improvements, as recommended by TetraTech and OHM Advisors, in the amount of $767,979.09 for the water system and $574,935.12 for the sanitary sewer system.

7. **Ultium 3 Battery Plant Water and Sanitary Sewer Service Recommendations for Approval of Change Order No. 3**
   The Engineering Department recommends that the Delta Township Board the proposed Change Order No. 3 with Dunigan Brothers for the Ultium 3 Battery Plant Water and Sanitary Sewer Service projects, increasing the contract prices for Bid Package #1 by $96,012.50.

8. **Surplus Property**
   The Accounting Department recommends that the Delta Township Board authorize the disposal of the surplus items listed in the memo through online auction.

9. **Introduction of Rezoning Request for 5217 Old Lansing Rd in Case No. 03-23-07.**
   The Planning Department Recommends that the Delta Township Board introduce the request to rezone the property described in Case No. 03-23-07 from O-Office to RA-Very Low Density Residential. I further move that the rezoning request be considered for final action by the Township Board at the June 5, 2023, regular meeting.

XII. ITEMS REMOVED FROM CONSENT AGENDA FOR DISCUSSION

XIII. ITEMS ADDED TO AGENDA UNDER SECTION V. SET/ADJUST AGENDA

XIV. OLD ITEMS OF BUSINESS

XV. NEW ITEMS OF BUSINESS

10. **Delta Township Sheriff Substation Project Design-Builder Contract Modification Construction Documents and Bidding Phase**
    The Engineering Department recommends that the Delta Township Board approve the proposed contract modification with The Christman Company for the purpose of providing Design Development architectural, engineering and construction management services through Construction Documents and Bidding Phases for the Delta Township Sheriff Substation project at a cost not to exceed $479,800.

XVI. MANAGER'S REPORT

XVII. COMMITTEE OF THE WHOLE

11. **Discussion of Managers Annual Evaluation Process and Timeline**

12. **Accounting Annual Report**

13. **Parks, Recreation and Cemeteries Annual Report**

XVIII. CLOSED SESSION

XIX. PUBLIC COMMENTS (maximum three minutes)

XX. ADJOURNMENT

CHARTER TOWNSHIP OF DELTA

MARY R. CLARK, TOWNSHIP CLERK
Phone (517) 323-8500

Individuals with disabilities attending Township meetings or hearings and requiring auxiliary aids or services should contact Township Manager and ADA Coordinator Brian T. Reed by email at manager@deltami.gov or calling (517) 323-8590 to inform him of the date of the meeting or hearing that will be attended. Copies of minutes may be purchased or viewed in the Clerk's Office from 8 a.m. to 5 p.m., Monday through Friday.



DELTA CHARTER TOWNSHIP

Audit for the year ended December 31, 2022

May 15, 2023 Board Meeting

Jeffrey Staley, CPA
Partner, Audit
jstaley@manercpa.com, (517) 323-7500

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Back to Agenda

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50 staff dedicated to the Government Niche

300+ Michigan Governmental clients

150+ Single Audits annually

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Audit Results

- Financial Statements
  - Unmodified opinion
  - Adoption of GASB 87, Leases and GASB 96, Subscription Based IT Arrangements
- Single Audit
  - Single audit in current year
  - Unmodified opinion on major program
- Management's Discussion and Analysis
  - Positive net position (full accrual basis)
  - Added to net position due to strong financial performance

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Audit Results

- Governance Letter
  - Required communication
  - Significant estimates

- Management Letter
  - No separately issued management letter

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New for FY 2022

Adopted two new accounting standards

Major construction project

Single audit in current year

- Spent $9,623,723 of federal funding, which $9,251,572 relates to Clean Water State Revolving Fund Cluster

Saginaw Highway Corridor Improvement Authority

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STATEMENT OF NET POSITION – GOVERNMENT-WIDE

Charter Township of Delta's Net Position

	Governmental Activities		Business-type Activities		Total	
	2022	2021	2022	2021	2022	2021
ASSETS						
Current and other assets	$ 47,680,049	$ 39,961,639	$ 32,344,188	$ 18,185,547	$ 80,024,237	$ 58,147,186
Capital assets	34,602,963	33,056,114	80,351,037	62,953,803	114,954,000	96,009,917
TOTAL ASSETS	82,283,012	73,017,753	112,695,225	81,139,350	194,978,237	154,157,103
DEFERRED OUTFLOWS OF RESOURCES	11,309,204	9,225,188	2,423,194	1,879,845	13,732,398	11,105,033
LIABILITIES						
Long-term liabilities outstanding	8,392,957	7,227,326	17,542,305	3,496,245	25,935,262	10,723,571
Net pension liability	4,307,129	5,127,346	-	-	4,307,129	5,127,346
Net other postemployment benefit liability	2,447,187	1,373,065	929,164	512,687	3,376,351	1,885,752
Other liabilities	4,119,005	2,908,479	12,549,232	851,624	16,668,237	3,760,103
TOTAL LIABILITIES	19,266,278	16,636,216	31,020,701	4,860,556	50,286,979	21,496,772
DEFERRED INFLOWS OF RESOURCES	23,232,886	16,839,056	2,232,044	2,047,165	25,464,930	18,886,221
NET POSITION						
Net investment in capital assets	27,175,261	27,026,429	63,226,006	59,967,360	90,401,267	86,993,789
Restricted	2,748,037	3,199,764	-	-	2,748,037	3,199,764
Unrestricted	21,169,754	18,541,476	18,639,668	16,144,114	39,809,422	34,685,590
TOTAL NET POSITION	$ 51,093,052	$ 48,767,669	$ 81,865,674	$ 76,111,474	$ 132,958,726	$ 124,879,143

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STATEMENT OF ACTIVITIES – GOVERNMENT-WIDE

Charter Township of Delta's Changes in Net Position

	Governmental Activities		Business-type Activities		Total	
	2022	2021	2022	2021	2022	2021
REVENUES						
Program revenues						
Charges for services	$ 6,295,530	$ 5,496,093	$ 12,607,076	$ 11,849,075	$ 18,902,606	$ 17,345,168
Operating grants and contributions	19,545	76,398	-	-	19,545	76,398
Capital grants and contributions	43,686	130,720	4,544,660	2,021,547	4,588,346	2,152,267
General revenues						
Property taxes	9,550,258	9,441,800	-	-	9,550,258	9,441,800
Paramedic levy	1,626,935	1,550,711	-	-	1,626,935	1,550,711
State sources	3,762,619	3,345,885	-	-	3,762,619	3,345,885
Franchise fees	486,087	1,695,485	-	-	486,087	1,695,485
Investment earnings (loss)	(97,839)	(72,548)	(127,039)	(46,336)	(224,878)	(118,884)
Other	503,068	284,766	-	-	503,068	284,766
Transfers	(48,500)	-	48,500	-	-	-
TOTAL REVENUE	22,141,389	21,949,310	17,073,197	13,824,286	39,214,586	35,773,596
EXPENSES						
General government	4,067,994	4,450,116	-	-	4,067,994	4,450,116
Public safety	8,339,971	7,427,071	-	-	8,339,971	7,427,071
Public works	2,336,206	2,318,095	-	-	2,336,206	2,318,095
Health and welfare	2,536,894	2,794,805	-	-	2,536,894	2,794,805
Community and economic development	368,777	470,670	-	-	368,777	470,670
Culture and recreation	1,999,009	1,927,542	-	-	1,999,009	1,927,542
Interest on long-term debt	167,155	178,316	-	-	167,155	178,316
Water	-	-	6,097,418	5,712,269	6,097,418	5,712,269
Sewer	-	-	5,221,579	4,917,128	5,221,579	4,917,128
TOTAL EXPENSES	19,816,006	19,566,615	11,318,997	10,629,397	31,135,003	30,196,012
Increase in net position	2,325,383	2,382,695	5,754,200	3,194,889	8,079,583	5,577,584
Net position, beginning of year	48,767,669	46,384,974	76,111,474	72,916,585	124,879,143	119,301,559
Net position, end of year	$ 51,093,052	$ 48,767,669	$ 81,865,674	$ 76,111,474	$ 132,958,726	$ 124,879,143

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Balance Sheet – All Funds

	General Fund	Paramedic Fund	Capital Projects Fund(s)	Nonmajor Funds	Enterprise Fund(s)	Total Primary Government	Total Component Unit(s)
Assets	$ 36,905,668	$ 4,202,370	$ 6,173,021	$ 429,133	$ 115,118,419	$ 162,828,611	$ 275,360
Liabilities & Deferred Inflows	15,909,212	1,781,120	3,198,904	-	33,252,745	54,141,981	145,165
Fund balance	20,996,456	2,421,250	2,974,117	429,133	81,865,674	108,686,630	130,195

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Statement of Revenues, Expenditures and Changes in Fund Balance – All Funds

	General Fund	Paramedic Fund	Capital Projects Fund(s)	Nonmajor Funds	Enterprise Fund(s)	Total Primary Government	Total Component Unit(s)
Revenues and other sources	$ 20,988,685	$ 3,287,702	$ 280,467	$ 386,144	$ 17,073,197	$ 42,016,195	$ 132,462
Expenditures and other uses	20,344,211	3,239,771	311,900	373,100	11,318,997	35,587,979	138,608
Change in fund balance	644,474	47,931	(31,433)	13,044	5,754,200	6,428,216	(6,146)
Fund balance, beginning of year	20,351,982	2,373,319	3,005,550	416,089	76,111,474	102,258,414	136,341
Fund balance, end of year	$ 20,996,456	$ 2,421,250	$ 2,974,117	$ 429,133	$ 81,865,674	$ 108,686,630	$ 130,195

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Budget Comparison – General Fund

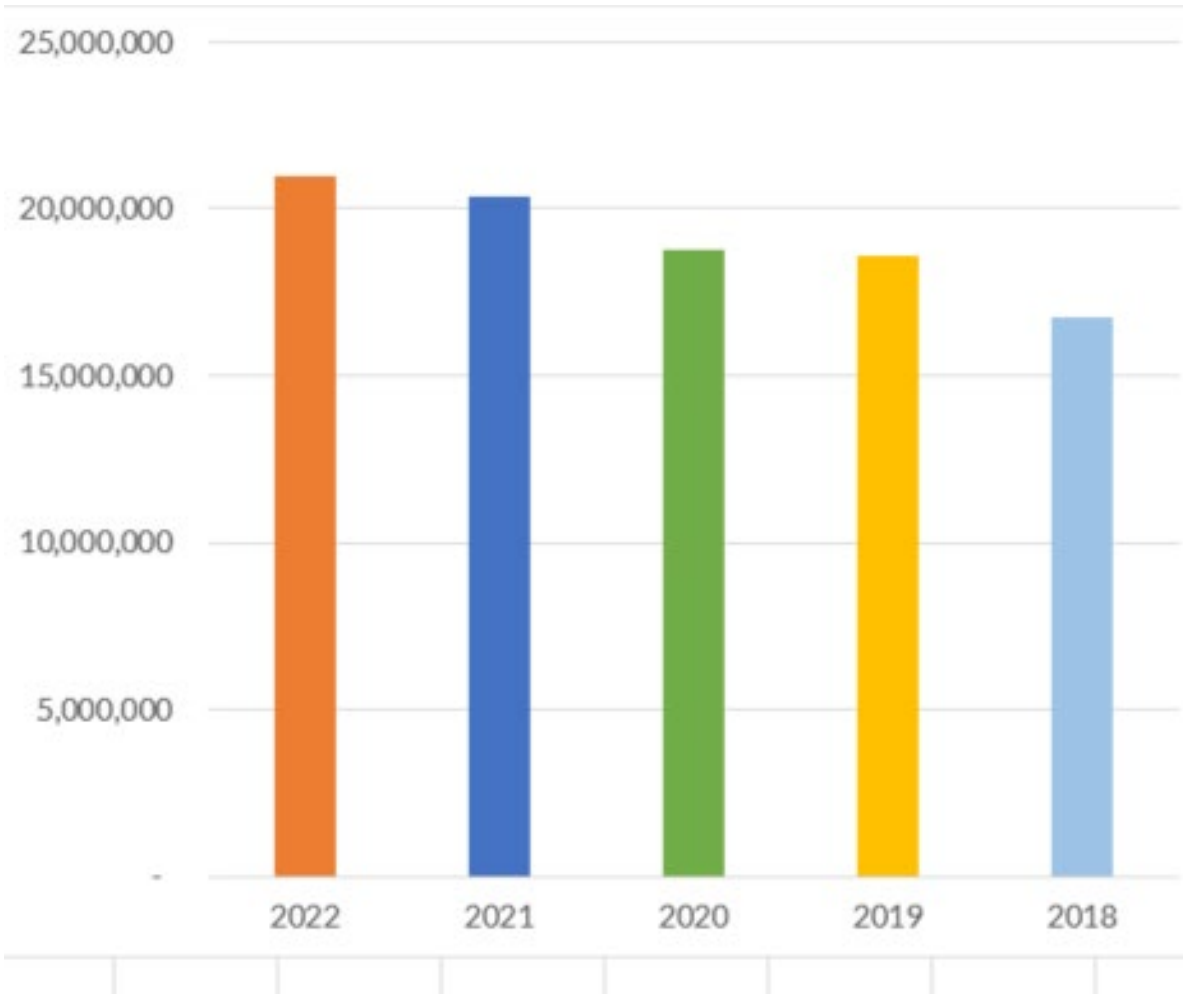
Year Ended December 31, 2022	Original Budget	Final Budget	Actual	$ Variance	% Variance
Revenues and other sources	$ 18,497,000	$ 20,837,068	$ 20,988,685	$ 151,617	0.73%
Expenditures and other uses	20,036,500	22,362,600	20,344,211	(2,018,389)	-9.03%
	$ (1,539,500)	$ (1,525,532)	$ 644,474	$ 2,170,006	

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Fund Balance – General Fund
5 Year Trend

Fund Balance	
Nonspendable/assigned	$ 12,131,162
Unassigned	8,865,294
	$ 20,996,456
Total expenditures	20,344,211
% of unassigned fund balance	43.58%
% of total fund balance	103.21%



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Key Performance Indicators (KPI) - Pension



Reported as 12/31/2021

Pension assets: $16,234,944

Pension liabilities: $20,542,073

Funded ratio: 79.03%

Reported as fiscal year 2021

Average Michigan Township pension assets: $19,159,432

Average Michigan Township pension liabilities: $23,554,616

Average funded ratio: 81.34%

Unfunded status is triggered at 60% or lower

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Key Performance Indicators (KPI) - OPEB

Reported as 12/31/2022

OPEB assets: $17,100,857

OPEB liabilities: $20,477,208

Funded ratio: 83.51%

Reported as fiscal year 2021

Average Michigan Township OPEB assets: $7,903,382

Average Michigan Township OPEB liabilities: $14,644,610

Average funded ratio: 53.96%

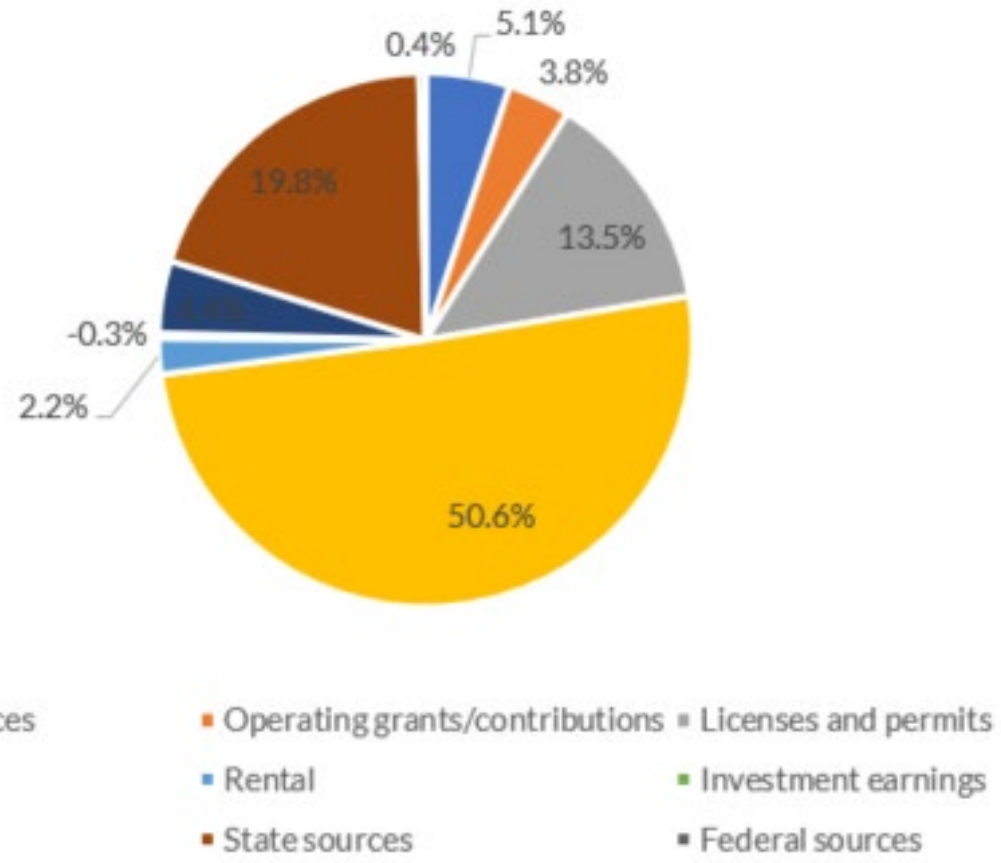
Unfunded status is triggered at 40% or lower

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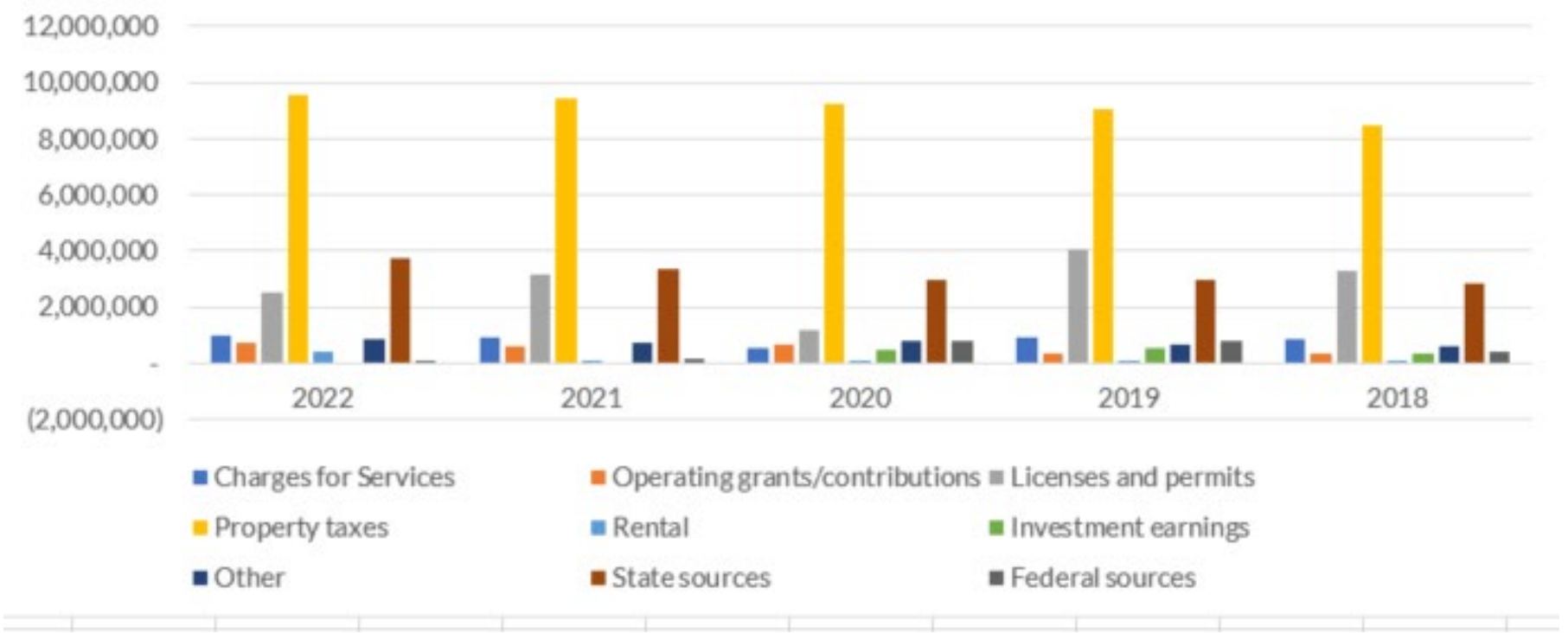
Revenues – General Fund



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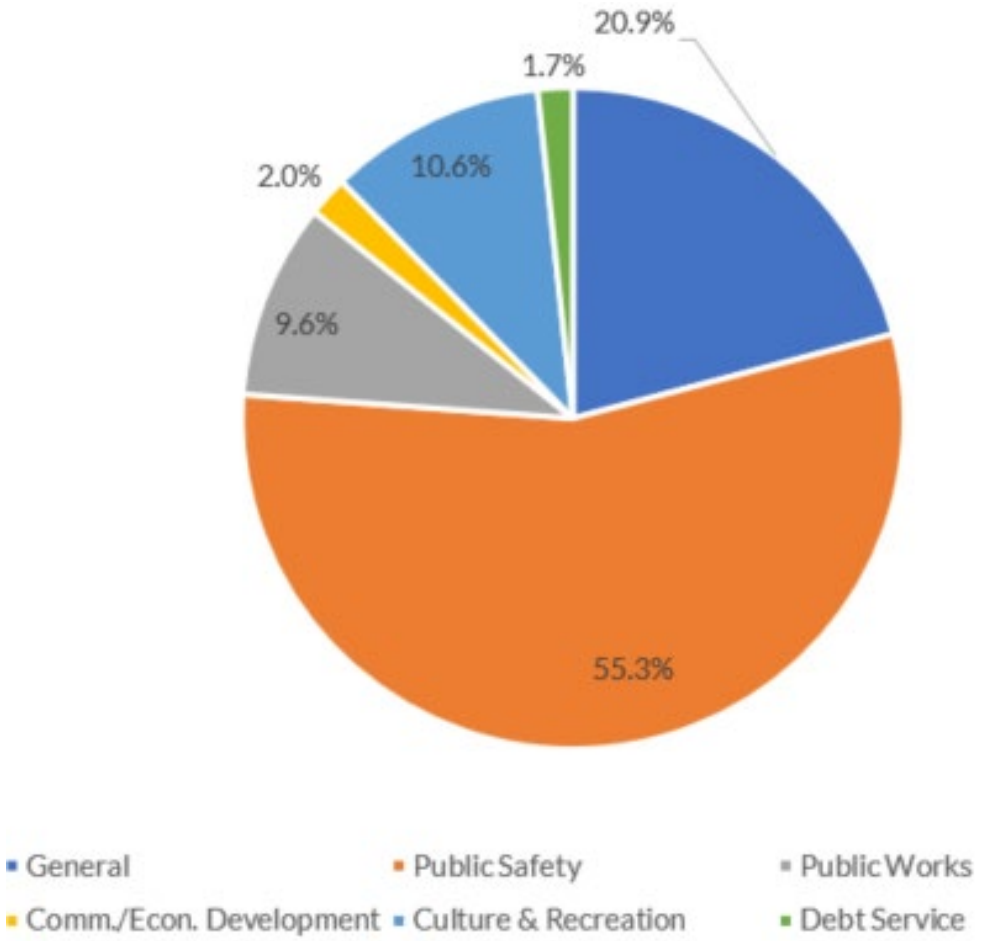
Revenues – General Fund
5 Year Trend



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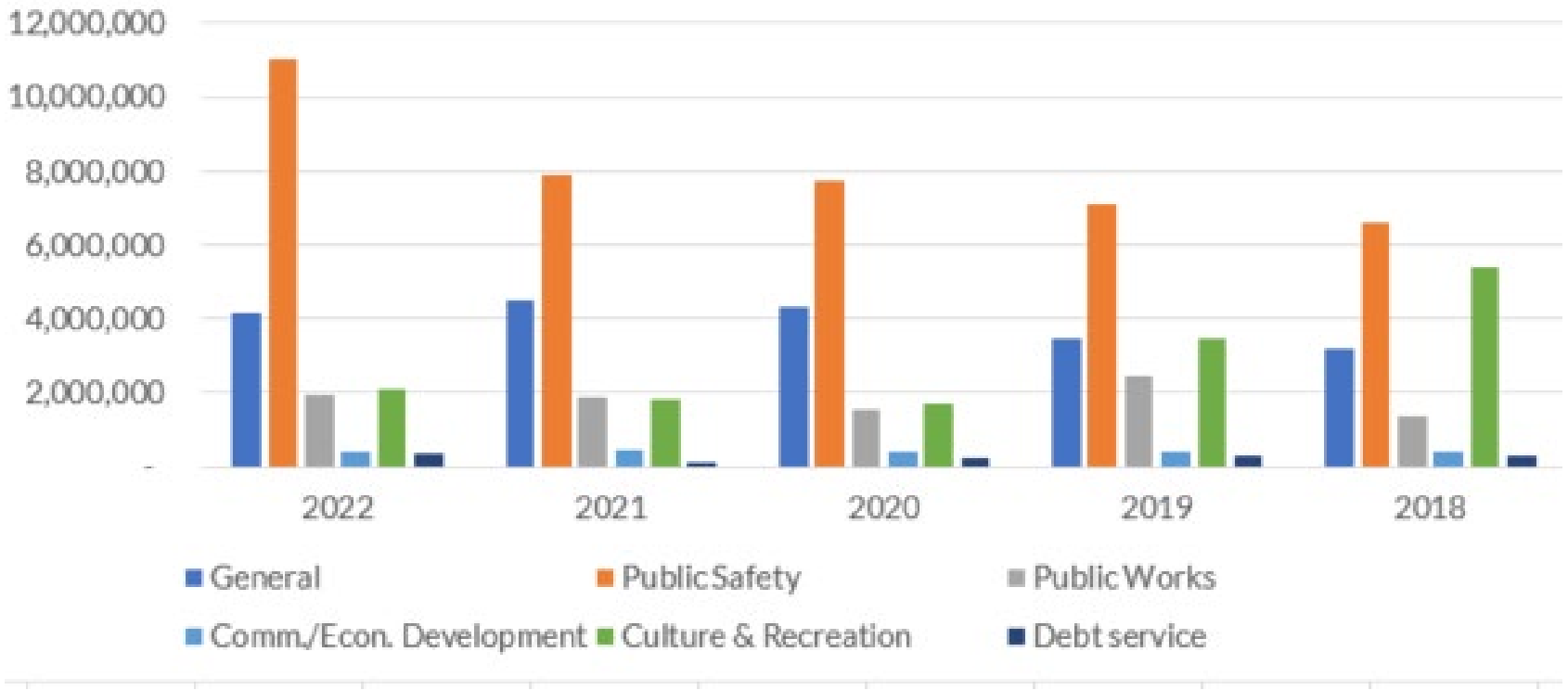
Expenditures – General Fund



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Expenditures – General Fund
5 Year Trend



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Notes to the Financial Statements

Note 1

- Summary of Accounting Policies
- General millage – $4.9287 per $1,000
- Paramedic millage - $0.9896 per $1,000

Note 3

- Capital asset detail – about $3.4 million of adds and $1.8 million of depreciation (GA)
- Capital asset detail – about $19.7 million of adds and $2.3 million of depreciation (B)

Note 5

- Detail of debt outstanding at 12/31/2022

Notes 6 & 7

- Detail of pension and other postemployment benefits

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Single Audit

- Report on Internal Control over Financial Report
  - *No material weakness or significant deficiencies noted*

- Federal Awards
  - *Audited Clean Water State Revolving Fund Cluster (unmodified opinion)*
  - *No material weakness or significant deficiencies for federal program noted*

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2425 E. Grand River Ave.,
Suite 1, Lansing, MI 48912
517.323.7500
517.323.6346

May 8, 2023

To the Finance Committee of the
Charter Township of Delta

We have audited the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, the aggregate remaining fund information of Charter Township of Delta for the year ended December 31, 2022. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards, *Government Auditing Standards* and OMB's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, as well as certain information related to the planned scope and timing of our audit. Professional standards also require that we communicate to you the following information related to our audit.

Significant Audit Matters

Qualitative Aspects of Accounting Practices

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by Charter Township of Delta are described in Note 1 to the financial statements. As described in Note 12 to the financial statements, the Township adopted Governmental Accounting Standards Board (GASB) Statement No. 87, *Leases* and Statement No. 96, *Subscription Based Information Technology Arrangements,* during the year ended December 31, 2022. We noted no transactions entered into by the Township during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimates affecting the financial statements were:

Estimates have been used to calculate the net pension liability. The estimated liability is approximately $4,307,000.

Estimates have been used to calculate the net OPEB liability. The estimated liability is approximately $3,376,000.

Management's estimated in calculating the liability for compensated absences:

The estimated liability is approximately $1,300,000. We evaluated the key factors and assumptions used to develop the balance of employee compensated absences in determining that it is reasonable in relation to the financial statements taken as a whole.

Management's determination of the estimated life span of the capital assets:

We evaluated the key factors and assumptions used by management to develop the estimated life span of the capital assets in determining that it is reasonable in relation to the financial statements taken as a whole.

Estimated allocation of expenses among the various funds.

Estimated percentage allocation of flowage rights additions between funds.

Certain financial statement disclosures are particularly sensitive because of their significance to financial statement users. The most sensitive disclosure affecting the financial statements was:

The disclosure of the pension plan in Note 6 and the other post-employment benefits in Note 7 to the financial statements describes that the contributions are determined on an actuarial valuation.

The disclosures in the financial statements are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are trivial, and communicate them to the appropriate level of management. Management has corrected all such misstatements. In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to the financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, professional standards define a disagreement with management as a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

Management Representations

We have requested certain representations from management that are included in the management representation letter dated May 8, 2023.

Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the Township's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the Township's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

Other Matters

With respect to the supplementary information accompanying the financial statements, we made certain inquiries of management and evaluated the form, content, and methods of preparing the information to determine that the information complies with U.S. generally accepted accounting principles, the method of preparing it has not changed from the prior period, and the information is appropriate and complete in relation to our audit of the financial statements. We compared and reconciled the supplementary information to the underlying accounting records used to prepare the financial statements or to the financial statements themselves.

This information is intended solely for the use of the Finance Committee, Board of Trustees, and management of Charter Township of Delta and is not intended to be, and should not be, used by anyone other than these specified parties.

Very truly yours,

Maner Costerisan PC

CHARTER TOWNSHIP OF DELTA

REPORT ON FINANCIAL STATEMENTS
(with required and additional supplementary information)

YEAR ENDED DECEMBER 31, 2022

Maner Costerisan

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2425 E. Grand River Ave.,
Suite 1, Lansing, MI 48912
517.323.7500
517.323.6346

INDEPENDENT AUDITOR'S REPORT

To the Board of Trustees of the
Charter Township of Delta
Lansing, Michigan

Report on the Audit of the Financial Statements

Opinions

We have audited the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund and the aggregate remaining fund information of the Charter Township of Delta as of and for the year ended December 31, 2022, and the related notes to the financial statements, which collectively comprise the Charter Township of Delta's basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund and the aggregate remaining funding information of the Charter Township of Delta, as of December 31, 2022, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Charter Township of Delta, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Change in Accounting Principle

As discussed in Note 12 to the financial statements, in 2022 the Township adopted new accounting guidance, GASB Statement No. 87, *Leases* and GASB Statement No. 96*, Subscription Based Information Technology Arrangements.* Our opinions are not modified with respect to this matter.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Charter Township of Delta's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditor's Responsibility for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Charter Township of Delta's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Charter Township of Delta's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, as well as the other required supplementary information, as identified in the table of contents, be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Supplementary Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise Charter Township of Delta's basic financial statements. The accompanying additional supplementary information, as identified in the table of contents, including the schedule of expenditures of federal awards, as required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*, are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the additional supplementary information, including the schedule of expenditures of federal awards are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated May 8, 2023 on our consideration of Charter Township of Delta's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of Charter Township of Delta's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Charter Township of Delta's internal control over financial reporting and compliance.

Maner Costerisan PC

May 8, 2023

CHARTER TOWNSHIP OF DELTA
MANAGEMENT'S DISCUSSION AND ANALYSIS
DECEMBER 31, 2022

As management of the Charter Township of Delta (Township), we offer readers of the Charter Township of Delta's financial statements this narrative overview and analysis of the financial activities of the Charter Township of Delta for the fiscal year ended December 31, 2022.

Financial Highlights

Governmental-wide Activity

- The assets and deferred outflows of resources of the Township exceeded its liabilities and deferred inflows of resources at the close of the most recent fiscal year by $132.9 million dollars (net position). Of this amount, $39.8 million (unrestricted net position) may be used to meet the government's ongoing obligations to citizens and creditors.

- The government's total net position increased by $8.1 million dollars.

Fund Level Activity

- As of the close of the current fiscal year, the Township's governmental funds reported combined ending fund balances of $26.8 million, increasing $0.7 million from the previous year.

- The Township's total outstanding debt increased $15.2 million.

Overview of the Financial Statements

This discussion and analysis are intended to serve as an introduction to the Township's basic financial statements. The Township's basic financial statements are comprised of three components: 1) government-wide financial statements, 2) fund financial statements, and 3) notes to the financial statements. This report also contains other supplementary and additional supplementary information, in addition to the basic financial statements themselves.

Government-wide Financial Statements. The *government-wide financial statements* are designed to provide readers with a broad overview of the Township's finances, in a manner similar to a private-sector business.

The *statement of net position* presents information on all of the Township's assets, deferred outflows of resources, liabilities, and deferred inflows of resources with the difference between the four reported as *net position*. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the Township is improving or deteriorating.

The *statement of activities* presents information showing how the government's net position changed during the most recent fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, *regardless of the timing of related cash flows*. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods (e.g., delinquent personal property taxes and earned but unused compensated absences).

Both of the government-wide financial statements distinguish functions of the Township that are principally supported by taxes and intergovernmental revenues (*governmental activities*) from other functions that are intended to recover all or a significant portion of their costs through user fees and charges (*business-type activities*). The governmental activities of the Township include general government, public safety, public works, health and welfare, community and economic development, and culture and recreation. The business-type activities of the Township include water and sewer activity.

The government-wide financial statements include not only the Township itself (known as the *primary government*), but also the legally separate Economic Development Corporation (EDC), Saginaw Highway Corridor Improvement Authority and Brownfield Redevelopment Authority, for which the Township is financially accountable. Financial information for these *component units* is reported separately from the financial information presented for the primary government itself. The government-wide financial statements can be found on pages 16 through 18 of this report.

Fund Financial Statements. A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The Township, like other state and local governments, uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. All of the funds of the Township can be divided into three categories: governmental funds, proprietary funds, and fiduciary funds.

Governmental Funds. *Governmental funds* are used to account for essentially the same functions reported as *governmental activities* in the government-wide financial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on *near-term inflows and outflows of spendable resources*, as well as on *balances of spendable resources* available at the end of the fiscal year. Such information may be useful in evaluating a government's near-term financing requirements.

Because the focus of governmental funds is narrower than that of the government-wide financial statements, it is useful to compare the information presented for *governmental funds* with similar information presented for *governmental activities* in the government-wide financial statements. By doing so, readers may better understand the long-term impact of the government's near term financing decisions. Both the governmental fund balance sheet and the governmental fund statement of revenues, expenditures, and changes in fund balances provide a reconciliation to facilitate this comparison between *governmental funds* and *governmental activities*.

The Township maintains various individual governmental funds. Information is presented separately in the governmental fund balance sheet and in the governmental fund statement of revenues, expenditures, and changes in fund balances for the general fund and paramedic fund, which are considered to be major funds. Data from the other three governmental funds are combined into a single, aggregated presentation. Individual fund data for each of these nonmajor governmental funds is provided in the form of *combining statements* elsewhere in this report.

The Township adopts an annual appropriated budget for its general fund and special revenue fund. Budgetary comparison statements have been provided for the general fund and major special revenue fund in the required supplementary information to demonstrate compliance with budgets.

The basic governmental fund financial statements can be found on pages 19 through 22 of this report.

Proprietary Funds. The Township maintains one type of proprietary fund. Enterprise funds are used to report the same functions presented as business-type activities in the government-wide financial statements. The Township uses enterprise funds to account for its water and sewer activity. The Township does not utilize an internal service fund.

Proprietary funds provide the same type of information as the government-wide financial statements, only in more detail. The proprietary fund financial statements provide separate information for the water and sewer funds, both of which are considered to be major funds of the Township.

The basic proprietary fund financial statements can be found on pages 23 through 27 of this report.

Fiduciary Funds. Fiduciary funds are used to account for resources held for the benefit of parties outside the government. Fiduciary funds are *not* reflected in the government-wide financial statements because the resources of those funds are *not* available to support the Township's own programs. The accounting used for fiduciary funds is much like that used for proprietary funds.

The basic fiduciary fund financial statements can be found on pages 28 and 29 of this report.

Notes to the Financial Statements. The notes provide additional information that is essential to fully understand the data provided in the government-wide and fund financial statements. The notes to the financial statements can be found on pages 30 through 66 of this report.

Other Information. In addition to the basic financial statements and accompanying notes, this report also presents certain *required supplementary information* concerning the Township's progress in funding its obligation to provide retirement benefits to its employees, its obligation to provide other post-employment benefits to its employees, and the general and paramedic special revenue fund budgets. Required supplementary information can be found on pages 67 through 77 of this report.

The combining statements referred to earlier in connection with nonmajor governmental funds are presented immediately following the required supplementary information on retirement benefits. Combining and individual fund statements and other schedules can be found on pages 78 through 106 of this report.

Government-wide Financial Analysis

As noted earlier, net position may serve, over time, as a useful indicator of government's financial position. In the case of the Township, assets and deferred outflows of resources exceeded liabilities and deferred inflows of resources by $132.9 million at the close of the most recent fiscal year.

Charter Township of Delta's Net Position

	Governmental Activities		Business-type Activities		Total	
	2022	2021	2022	2021	2022	2021
ASSETS						
Current and other assets	$ 47,680,049	$ 39,961,639	$ 32,344,188	$ 18,185,547	$ 80,024,237	$ 58,147,186
Capital assets	34,602,963	33,056,114	80,351,037	62,953,803	114,954,000	96,009,917
TOTAL ASSETS	82,283,012	73,017,753	112,695,225	81,139,350	194,978,237	154,157,103
DEFERRED OUTFLOWS OF RESOURCES	11,309,204	9,225,188	2,423,194	1,879,845	13,732,398	11,105,033
LIABILITIES						
Long-term liabilities outstanding	8,392,957	7,227,326	17,542,305	3,496,245	25,935,262	10,723,571
Net pension liability	4,307,129	5,127,346	-	-	4,307,129	5,127,346
Net other postemployment benefit liability	2,447,187	1,373,065	929,164	512,687	3,376,351	1,885,752
Other liabilities	4,119,005	2,908,479	12,549,232	851,624	16,668,237	3,760,103
TOTAL LIABILITIES	19,266,278	16,636,216	31,020,701	4,860,556	50,286,979	21,496,772
DEFERRED INFLOWS OF RESOURCES	23,232,886	16,839,056	2,232,044	2,047,165	25,464,930	18,886,221
NET POSITION						
Net investment in capital assets	27,175,261	27,026,429	63,226,006	59,967,360	90,401,267	86,993,789
Restricted	2,748,037	3,199,764	-	-	2,748,037	3,199,764
Unrestricted	21,169,754	18,541,476	18,639,668	16,144,114	39,809,422	34,685,590
TOTAL NET POSITION	$ 51,093,052	$ 48,767,669	$ 81,865,674	$ 76,111,474	$ 132,958,726	$ 124,879,143

By far the largest portion of the Township's net position (68%) reflects its net investment in capital assets (e.g., land, building, machinery, infrastructure, and equipment), less any related debt used to acquire those assets that is still outstanding. The Township uses these capital assets to provide services to citizens; consequently, these assets are *not* available for future spending. Although the Township's investment in its capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities.

An additional portion of the Township's net position (2%) represents resources that are subject to external restriction on how they may be used. The remaining balance of unrestricted net position ($39.8 million) may be used to meet the government's ongoing obligations to citizens and creditors.

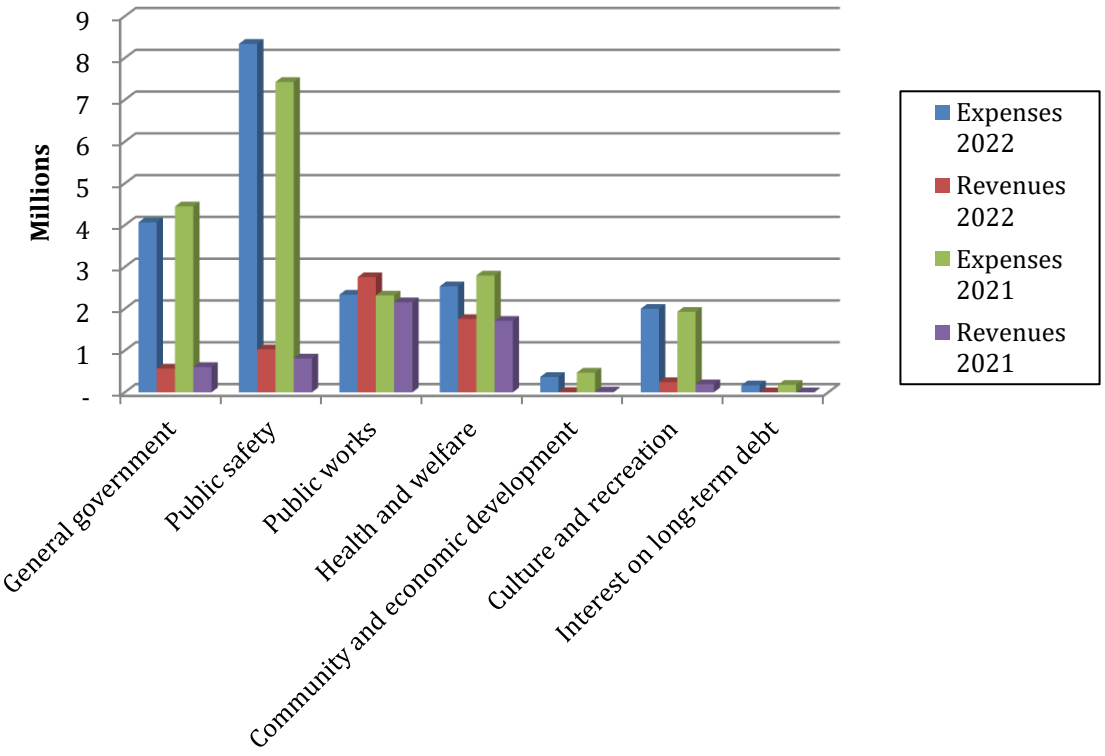
At the end of the current fiscal year, the Township is able to report positive balances in all three categories of net position, both for the government as a whole, as well as for its separate governmental and business-type activities.

Governmental Activities. Governmental activities increased the Township's net position by $2,325,383 and the business-type activities net position increased by $5,754,200. Key elements of this increase are as follows:

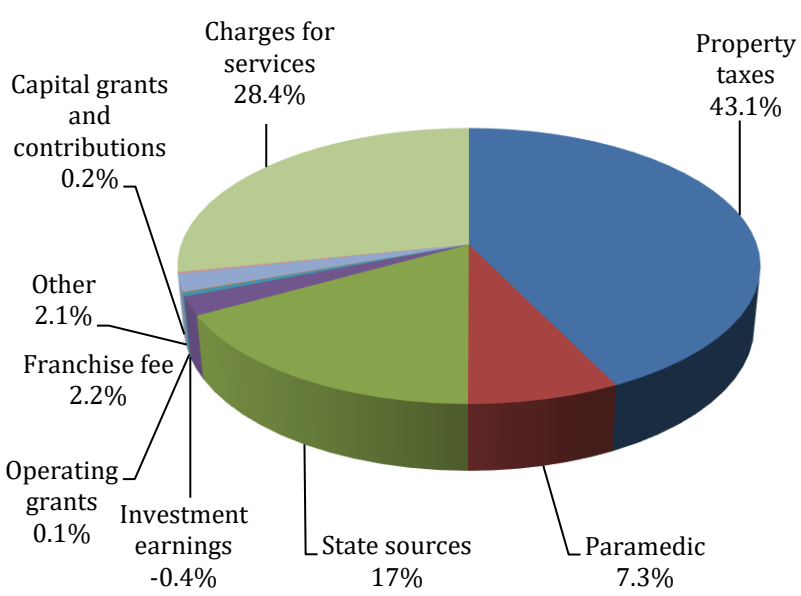
Charter Township of Delta's Changes in Net Position

	Governmental Activities		Business-type Activities		Total	
	2022	2021	2022	2021	2022	2021
REVENUES						
Program revenues						
Charges for services	$ 6,295,530	$ 5,496,093	$ 12,607,076	$ 11,849,075	$ 18,902,606	$ 17,345,168
Operating grants and contributions	19,545	76,398	-	-	19,545	76,398
Capital grants and contributions	43,686	130,720	4,544,660	2,021,547	4,588,346	2,152,267
General revenues						
Property taxes	9,550,258	9,441,800	-	-	9,550,258	9,441,800
Paramedic levy	1,626,935	1,550,711	-	-	1,626,935	1,550,711
State sources	3,762,619	3,345,885	-	-	3,762,619	3,345,885
Franchise fees	486,087	1,695,485	-	-	486,087	1,695,485
Investment earnings (loss)	(97,839)	(72,548)	(127,039)	(46,336)	(224,878)	(118,884)
Other	503,068	284,766	-	-	503,068	284,766
Transfers	(48,500)	-	48,500	-	-	-
TOTAL REVENUE	22,141,389	21,949,310	17,073,197	13,824,286	39,214,586	35,773,596
EXPENSES						
General government	4,067,994	4,450,116	-	-	4,067,994	4,450,116
Public safety	8,339,971	7,427,071	-	-	8,339,971	7,427,071
Public works	2,336,206	2,318,095	-	-	2,336,206	2,318,095
Health and welfare	2,536,894	2,794,805	-	-	2,536,894	2,794,805
Community and economic development	368,777	470,670	-	-	368,777	470,670
Culture and recreation	1,999,009	1,927,542	-	-	1,999,009	1,927,542
Interest on long-term debt	167,155	178,316	-	-	167,155	178,316
Water	-	-	6,097,418	5,712,269	6,097,418	5,712,269
Sewer	-	-	5,221,579	4,917,128	5,221,579	4,917,128
TOTAL EXPENSES	19,816,006	19,566,615	11,318,997	10,629,397	31,135,003	30,196,012
Increase in net position	2,325,383	2,382,695	5,754,200	3,194,889	8,079,583	5,577,584
Net position, beginning of year	48,767,669	46,384,974	76,111,474	72,916,585	124,879,143	119,301,559
Net position, end of year	$ 51,093,052	$ 48,767,669	$ 81,865,674	$ 76,111,474	$ 132,958,726	$ 124,879,143

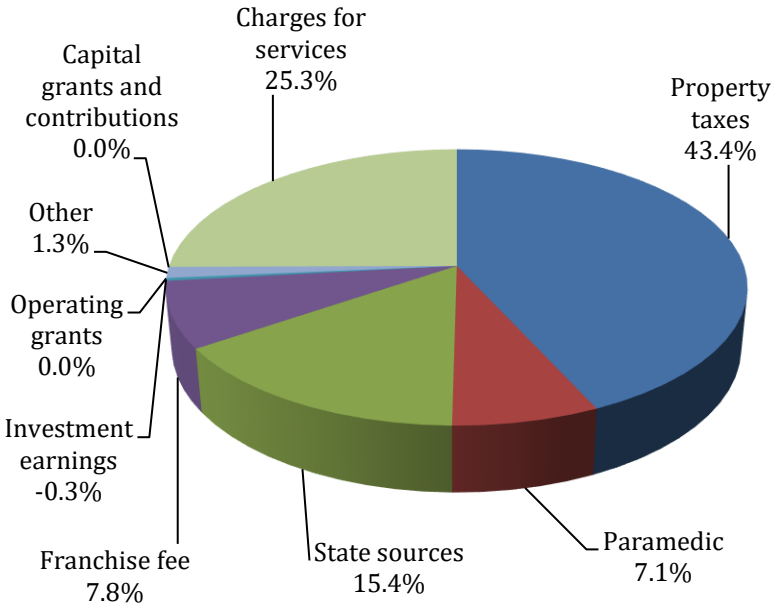
Charter Township of Delta
Expenses and Program Revenues - Governmental Activities
December 31,



Charter Township of Delta
Revenues by Source - Governmental Activities
December 31,

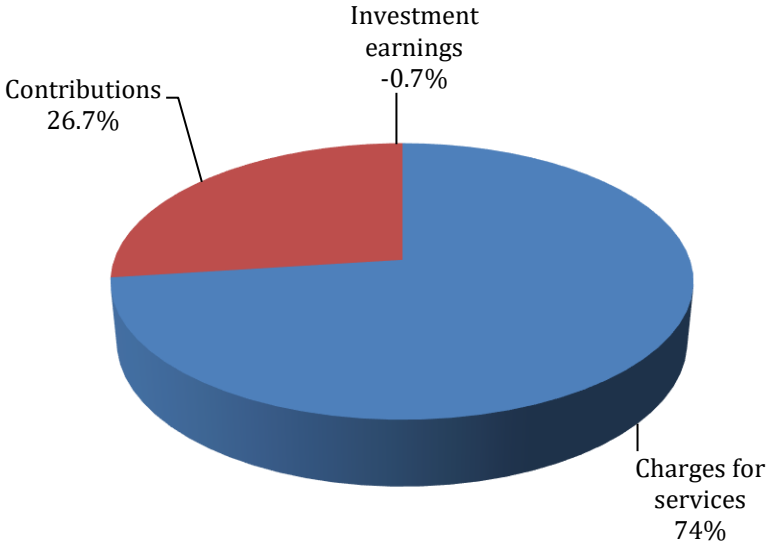


2022

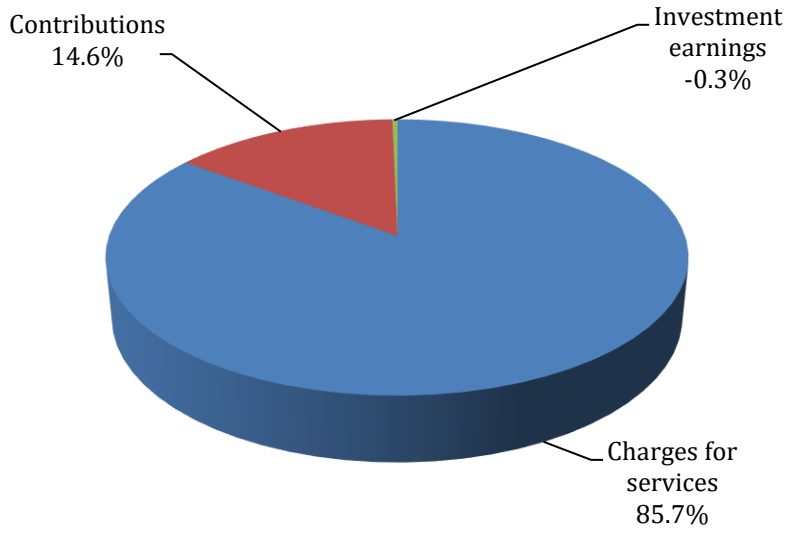


2021

Charter Township of Delta
Revenues by Source - Business-type Activities
December 31,

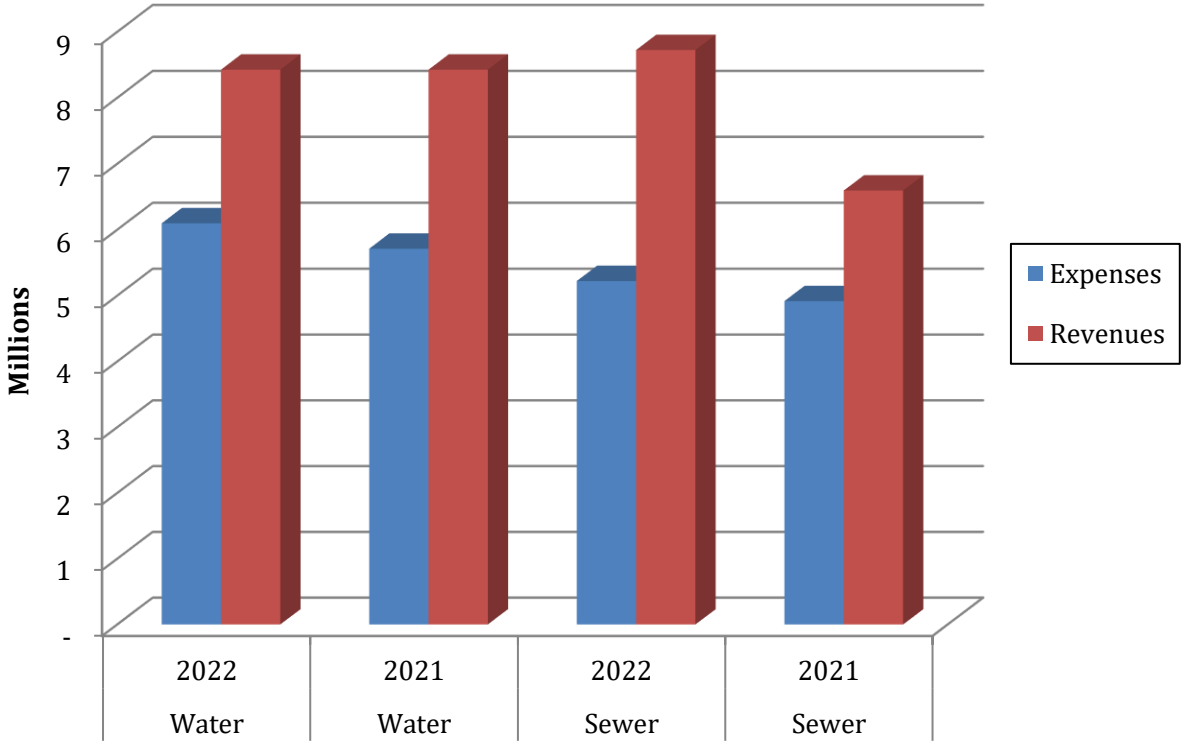


2022



2021

Charter Township of Delta
Expenses and Program Revenues - Business-type Activities
December 31,



Changes in net position:

- Overall governmental activities revenue is up $192,079 from prior year.
- Expenses for governmental activities went from $19.6 million to $19.8 million, an increase of $0.2 million.

Business-type Activities. Business-type activities increased the Township's net position by $5.8 million. Approximately $3.1 million is attributed to private contributions.

Financial Analysis of the Government's Funds

As noted earlier, the Township uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements.

Governmental Funds. The focus of the Township's *governmental funds* is to provide information on near-term inflows, outflows, and balances of *spendable* resources. Such information is useful in assessing the Township's financing requirements. In particular, unassigned fund balance may serve as a useful measure of a government's net resources available for spending at the end of the fiscal year.

As of the end of the current fiscal year, the Township's governmental funds reported combined ending fund balance of $26.8 million, which is an increase of approximately $0.7 million. Approximately 33% of this total amount ($8.8 million) constitutes *unassigned fund balance*, which is available for spending at the government's discretion. The remainder of fund balance is nonspendable ($2,822,025), restricted ($2,748,037), or assigned ($12,385,600).

The general fund is the chief operating fund of the Township. At the end of the current fiscal year, unassigned fund balance of the general fund was $8.8 million, while total fund balance was $21.0 million. As a measure of the general fund's liquidity, it may be useful to compare both unassigned fund balance and total fund balance to total fund expenditures. Unassigned fund balance represents 44% of total general fund expenditures and operating transfers out, while total fund balance represents 103% of that same amount.

The fund balance of the Township's general fund increased by $644,474 during the current fiscal year.

Proprietary Funds. The Township's proprietary fund financial statements provide the same type of information found in the government-wide financial statements, but in more detail.

Unrestricted net positions for the water and sewer funds at the end of the year amounted to $18.7 million. The total increase in net position amounted to approximately $5.8 million.

General Fund Budgetary Highlights

The final amended budget increased appropriations by $2.5 million, while budgeted revenue and other financial sources and uses increased by the same amount. Major changes to appropriations can be summarized as follows:

- An increase in contracted services for design of a new Sheriff's substation.
- Increased salary/overtime expense due to retirements and staffing challenges at the beginning of 2022.
- Reduction in capital expenditures planned for Township parks due to the delay of three capital projects.
- Recognition of 10 year lease with Stryker for medical equipment.

During the year, actual revenue was higher than the amended budgetary estimates. This arises primarily from higher than anticipated licenses and permits and state shared revenue, offset by lower than anticipated state and federal grants and local contributions. In addition, actual expenses were lower than the amended budget due to tight budgetary control.

Capital Asset and Debt Administration

Capital Assets. The Township's investment in capital assets for its governmental and business type activities as of December 31, 2022, amounts to $115.0 million (net of accumulated depreciation). This investment in capital assets includes land, buildings and system improvements, machinery and equipment, vehicles, park facilities, sidewalks, other infrastructure, and right to use of asset. The total increase in the Township's investment in capital assets for the current fiscal year was 20% (a 4.7% increase for governmental activities and a 27.6% increase for business-type activities).

Charter Township of Delta's Capital Assets
(Net of Depreciation)

	Governmental Activities		Business Activities		Total	
	2022	2021	2022	2021	2022	2021
Land	$ 6,976,804	$ 6,816,315	$ 1,645,240	$ 1,615,240	$ 8,622,044	$ 8,431,555
Construction in process	-	-	18,236,480	2,282,009	18,236,480	2,282,009
Building and building equipment	9,997,591	10,341,520	2,206,923	2,263,313	12,204,514	12,604,833
Land improvements/sidewalks	7,767,524	7,584,650	64,867	74,747	7,832,391	7,659,397
Vehicles	653,594	771,454	-	-	653,594	771,454
Equipment	1,764,702	1,417,996	1,101,988	744,632	2,866,690	2,162,628
Flowage rights	4,396,215	4,609,878	-	-	4,396,215	4,609,878
Streets and highways	1,338,115	1,514,301	-	-	1,338,115	1,514,301
Sewer and water mains	-	-	57,095,539	55,973,862	57,095,539	55,973,862
Right to use asset - equipment	1,708,418	-	-	-	1,708,418	-
	$ 34,602,963	$ 33,056,114	$ 80,351,037	$ 62,953,803	$ 114,954,000	$ 96,009,917

Additional information on the Township's capital assets can be found in the notes of this report.

Long-Term Obligations. At the end of the current fiscal year, the Township had total long-term obligations outstanding of $25.9 million. Of this amount, $7.3 million comprises debt backed by the full faith and credit of the government. The Township also has notes from direct borrowing and direct placements including other long-term items ($17,358,299). The remaining $1.3 million represents compensated absences earned but not used as of year-end.

Charter Township of Delta's Outstanding Long-term Obligations
General Obligation Bonds, Notes from Direct Borrowings and Direct Placements, and Other Long-term Obligations

	Governmental Activities		Business-type Activities		Total	
	2022	2021	2022	2021	2022	2021
General obligation debts	$ 5,359,474	$ 5,581,772	$ 1,945,635	$ 2,897,513	$ 7,305,109	$ 8,479,285
Notes from direct borrowings and direct placements	2,178,903	566,493	15,179,396	88,930	17,358,299	655,423
Other	854,580	1,079,061	417,274	509,802	1,271,854	1,588,863
	$ 8,392,957	$ 7,227,326	$ 17,542,305	$ 3,496,245	$ 25,935,262	$ 10,723,571

The Township's total debt increase by $15.2 million during the current fiscal year. This is attributable to the Township borrowing from the Clean Water State Revolving Fund for improvements to the wastewater treatment plant.

Additional information on the Township's long-term debt can be found in the notes of this report.

Economic Factors and Next Year's Budgets and Rates

Charter Township of Delta's goal is to continually look for the most efficient and effective methods to maintain and enhance the services that are provided to the public. The Township has a conservative and financially prudent budget for the fiscal year 2023 that also promotes and funds numerous project objectives that have been set by the Township's strategic plan.

Requests for Information

This financial report is designed to provide a general overview of the Township's finances for all those with an interest in the government's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the Township Manager's Office, 7710 West Saginaw Highway, Lansing, MI 48917-9712.

BASIC FINANCIAL STATEMENTS

CHARTER TOWNSHIP OF DELTA
STATEMENT OF NET POSITION
DECEMBER 31, 2022

	Primary Government			Component Units		
	Governmental Activities	Business-type Activities	Total	Economic Development Corporation	Brownfield Redevelopment Authority	Saginaw Highway Corridor Improvement Authority
ASSETS						
Cash	$ 17,337,755	$ 10,618,552	$ 27,956,307	$ 59,689	$ 135,661	$ 80,010
Investments	16,042,389	9,824,627	25,867,016	-	-	-
Receivables						
Accounts	160,765	8,566,918	8,727,683	-	-	-
Leases	4,757,489	-	4,757,489			
Taxes	6,437,272	-	6,437,272	-	-	-
Interest	80,367	48,817	129,184	-	-	-
Other	-	3,316,860	3,316,860	-	-	-
Internal balances	41,987	(41,987)	-	-	-	-
Prepaid items	2,822,025	-	2,822,025	-	-	-
Special assessments						
Due within one year - interest	-	102	102	-	-	-
Due within one year	-	1,546	1,546	-	-	-
Due in more than one year	-	8,753	8,753	-	-	-
Capital assets not being depreciated/amortized						
Land	6,976,804	1,645,240	8,622,044	-	-	-
Construction in progress	-	18,236,480	18,236,480	-	-	-
Other capital assets, net of accumulated depreciation/amortization	27,626,159	60,469,317	88,095,476	-	-	-
TOTAL ASSETS	82,283,012	112,695,225	194,978,237	59,689	135,661	80,010
DEFERRED OUTFLOWS OF RESOURCES						
Pension related items	4,380,992	-	4,380,992	-	-	-
Other postemployment benefits related items	6,817,537	2,423,194	9,240,731	-	-	-
Deferred charge on refunding	110,675	-	110,675	-	-	-
TOTAL DEFERRED OUTFLOWS OF RESOURCES	11,309,204	2,423,194	13,732,398	-	-	-

See notes to financial statements.

	Primary Government			Component Units		
	Governmental Activities	Business-type Activities	Total	Economic Development Corporation	Brownfield Redevelopment Authority	Saginaw Highway Corridor Improvement Authority
LIABILITIES						
Accounts payable	$ 426,270	$ 2,959,038	$ 3,385,308	$ -	$ -	$ -
Customer deposits payable	131,050	79,550	210,600	-	-	-
Retainage payable	5,000	1,389,217	1,394,217	-	-	-
Accrued salaries and related items	288,480	-	288,480	-	-	-
Accrued interest	69,301	7,091	76,392	-	-	-
Unearned revenue	3,198,904	8,114,336	11,313,240	-	-	-
Noncurrent liabilities						
Due within one year	1,222,987	1,153,990	2,376,977	-	-	-
Due in more than one year	7,169,970	16,388,315	23,558,285	-	-	-
Net other postemployment benefits liability	2,447,187	929,164	3,376,351	-	-	-
Net pension liability	4,307,129	-	4,307,129	-	-	-
TOTAL LIABILITIES	19,266,278	31,020,701	50,286,979	-	-	-
DEFERRED INFLOWS OF RESOURCES						
Pension related items	35,938	-	35,938	-	-	-
Other postemployment benefits related items	6,407,918	2,232,044	8,639,962	-	-	-
Unavailable revenue - leases	4,624,479	-	4,624,479	-	-	-
Unavailable revenue - property taxes	12,164,551	-	12,164,551	-	65,155	80,010
TOTAL DEFERRED INFLOWS OF RESOURCES	23,232,886	2,232,044	25,464,930	-	65,155	80,010
NET POSITION						
Net investment in capital assets	27,175,261	63,226,006	90,401,267	-	-	-
Restricted for perpetual care	395,604	-	395,604	-	-	-
Restricted for paramedic services	1,902,433	-	1,902,433	-	-	-
Restricted for budget stabilization	450,000	-	450,000	-	-	-
Unrestricted	21,169,754	18,639,668	39,809,422	59,689	70,506	-
TOTAL NET POSITION	$ 51,093,052	$ 81,865,674	$ 132,958,726	$ 59,689	$ 70,506	$ -

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
STATEMENT OF ACTIVITIES
DECEMBER 31, 2022

Functions/Programs	Expenses	Program Revenues: Charges for Services	Program Revenues: Operating Grants and Contributions	Program Revenues: Capital Grants and Contributions	Net (Expense) Revenue and Changes in Net Position: Primary Government: Governmental Activities	Primary Government: Business-type Activities	Primary Government: Total	Component Unit: Economic Development Corporation	Component Unit: Brownfield Redevelopment Authority	Component Unit: Saginaw Highway Corridor Improvement Authority
Primary government										
Governmental activities										
General government	$ 4,067,994	$ 524,849	$ -	$ 43,686	$ (3,499,459)	$ -	$ (3,499,459)	$ -	$ -	$ -
Public safety	8,339,971	1,007,421	19,545	-	(7,313,005)	-	(7,313,005)	-	-	-
Public works	2,336,206	2,757,047	-	-	420,841	-	420,841	-	-	-
Health and welfare	2,536,894	1,754,305	-	-	(782,589)	-	(782,589)	-	-	-
Community and economic development	368,777	8,400	-	-	(360,377)	-	(360,377)	-	-	-
Culture and recreation	1,999,009	243,508	-	-	(1,755,501)	-	(1,755,501)	-	-	-
Interest on long-term debt	167,155	-	-	-	(167,155)	-	(167,155)	-	-	-
Total governmental activities	19,816,006	6,295,530	19,545	43,686	(13,457,245)	-	(13,457,245)	-	-	-
Business-type activities										
Water	6,097,418	6,477,050	-	1,949,893	-	2,329,525	2,329,525	-	-	-
Sewer	5,221,579	6,130,026	-	2,594,767	-	3,503,214	3,503,214	-	-	-
Total business activities	11,318,997	12,607,076	-	4,544,660	-	5,832,739	5,832,739	-	-	-
Total primary government	$ 31,135,003	$ 18,902,606	$ 19,545	$ 4,588,346	-	-	(7,624,506)	-	-	-
Component unit										
Economic Development Corporation	$ -	$ -	$ -	$ -	-	-	-	-	-	-
Brownfield Redevelopment Authority	138,608	-	-	-	-	-	-	-	(138,608)	-
Saginaw Highway Corridor Improvement Authority	-	-	-	-	-	-	-	-	-	-
Total component unit activities	$ 138,608	$ -	$ -	$ -	-	-	-	-	(138,608)	-
General revenues										
Taxes										
Property taxes, levied for general purposes					9,550,258	-	9,550,258	-	133,460	-
Paramedic levy					1,626,935	-	1,626,935	-		-
State sources					3,762,619	-	3,762,619	-	-	-
Franchise fees					486,087	-	486,087	-	-	-
Investment earnings (loss)					(97,839)	(127,039)	(224,878)	(998)	-	-
Other					503,068	-	503,068	-	-	-
Transfers					(48,500)	48,500	-	-	-	-
Total general revenues and transfers					15,782,628	(78,539)	15,704,089	(998)	133,460	-
Change in net position					2,325,383	5,754,200	8,079,583	(998)	(5,148)	-
Net position, beginning of year					48,767,669	76,111,474	124,879,143	60,687	75,654	-
Net position, end of year					$ 51,093,052	$ 81,865,674	$ 132,958,726	$ 59,689	$ 70,506	$ -

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
BALANCE SHEET - GOVERNMENTAL FUNDS
DECEMBER 31, 2022

	General	Paramedic Fund (a Special Revenue Fund)	Capital Projects Fund	Total Nonmajor Funds	Total Governmental Funds
ASSETS					
Cash	$ 12,895,560	$ 1,020,834	$ 3,198,548	$ 222,813	$ 17,337,755
Investments	11,931,914	945,325	2,959,767	205,383	16,042,389
Receivables					
Accounts	160,765	-	-	-	160,765
Leases	4,757,489	-	-	-	4,757,489
Taxes	4,724,575	1,712,697	-	-	6,437,272
Interest	60,027	4,697	14,706	937	80,367
Due from other funds	72,130	-	-	-	72,130
Prepaid items	2,303,208	518,817	-	-	2,822,025
TOTAL ASSETS	$ 36,905,668	$ 4,202,370	$ 6,173,021	$ 429,133	$ 47,710,192
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES					
LIABILITIES					
Accounts payable	$ 387,990	$ 38,280	$ -	$ -	$ 426,270
Customer deposits payable	131,050	-	-	-	131,050
Due to other funds	-	30,143	-	-	30,143
Retainage payable	5,000	-	-	-	5,000
Unearned revenue	-	-	3,198,904	-	3,198,904
Accrued salaries and related items	288,480	-	-	-	288,480
TOTAL LIABILITIES	812,520	68,423	3,198,904	-	4,079,847
DEFERRED INFLOWS OF RESOURCES					
Unavailable revenue - leases	4,624,479	-	-	-	4,624,479
Unavailable revenue - property taxes	10,472,213	1,712,697	-	-	12,184,910
TOTAL DEFERRED INFLOWS OF RESOURCES	15,096,692	1,712,697	-	-	16,809,389
FUND BALANCES					
Nonspendable					
Prepaid items	2,303,208	518,817	-	-	2,822,025
Restricted					
Budget stabilization	450,000	-	-	-	450,000
Perpetual care fund	-	-	-	395,604	395,604
Paramedic fund	-	1,902,433	-	-	1,902,433
Assigned					
Debt service	-	-	-	33,529	33,529
Compensated absences	965,254	-	-	-	965,254
Roads	1,100,000	-	-	-	1,100,000
Retiree health insurance	100,000	-	-	-	100,000

See notes to financial statements.

	General	Paramedic Fund (a Special Revenue Fund)	Capital Projects Fund	Total Nonmajor Funds	Total Governmental Funds
FUND BALANCES (continued)					
Assigned (continued)					
Non-motorized transportation	$ 700,000	$ -	$ -	$ -	$ 700,000
Economic development	500,000	-	-	-	500,000
Capital improvements	3,990,000	-	2,974,117	-	6,964,117
Subsequent year expenditures	2,022,700	-	-	-	2,022,700
Unassigned	8,865,294	-	-	-	8,865,294
TOTAL FUND BALANCES	20,996,456	2,421,250	2,974,117	429,133	26,820,956
TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES	$ 36,905,668	$ 4,202,370	$ 6,173,021	$ 429,133	$ 47,710,192
Total governmental fund balances					$ 26,820,956
Amounts reported for governmental activities in the statement of net position are different because:					
Deferred outflows of resources - related to pensions					4,380,992
Deferred inflows of resources - related to pensions					(35,938)
Deferred outflows of resources - related to other postemployment benefits					6,817,537
Deferred inflows of resources - related to other postemployment benefits					(6,407,918)
Capital assets used in governmental activities are not financial resources and, therefore, are not reported in the funds:					
Cost of the capital assets				$ 63,651,404	
Less accumulated depreciation/amortization				29,048,441	
					34,602,963
Other long-term assets are not available to pay for current period expenditures and, therefore, are unavailable in the funds:					
Delinquent personal property taxes receivable, less allowance for doubtful accounts					20,359
Long-term liabilities, including bonds payable, are not due and payable in the current period and, therefore, are not reported in the funds:					
Deferred loss on refunding					110,675
General obligation debt					(5,359,474)
Other long-term debt					(2,178,903)
Compensated absences					(854,580)
Accrued interest					(69,301)
Net other postemployment benefits liability					(2,447,187)
Net pension liability					(4,307,129)
Net position of governmental activities					$ 51,093,052

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES
GOVERNMENTAL FUNDS
YEAR ENDED DECEMBER 31, 2022

	General	Paramedic Fund (a Special Revenue Fund)	Capital Projects Fund	Total Nonmajor Funds	Total Governmental Funds
REVENUES					
Local sources					
Property taxes	$ 9,567,825	$ -	$ -	$ -	$ 9,567,825
Paramedic levy	-	1,626,935	-	-	1,626,935
Licenses and permits	2,545,345	-	-	-	2,545,345
Charges for services	962,178	1,607,414	-	-	2,569,592
Investment earnings (loss)	(55,608)	(6,947)	(31,433)	(3,851)	(97,839)
Rental income	412,065	-	-	-	412,065
Local contributions	723,350	-	-	-	723,350
Other	828,438	-	-	17,395	845,833
Total local sources	14,983,593	3,227,402	(31,433)	13,544	18,193,106
State shared revenue	3,750,852	-	-	-	3,750,852
State and federal grants	74,998	-	311,900	-	386,898
TOTAL REVENUES	18,809,443	3,227,402	280,467	13,544	22,330,856
EXPENDITURES					
Current					
General government	4,173,090	-	22,100	-	4,195,190
Public safety	11,036,792	-	-	-	11,036,792
Public works	1,912,371	-	-	-	1,912,371
Health and welfare	-	3,139,771	-	-	3,139,771
Community and economic development	392,405	-	-	-	392,405
Culture and recreation	2,115,851	-	-	-	2,115,851
Debt service					
Principal repayment	285,832	-	-	180,000	465,832
Interest expenditure	55,270	-	-	193,100	248,370
TOTAL EXPENDITURES	19,971,611	3,139,771	22,100	373,100	23,506,582
EXCESS (DEFICIENCY) OF REVENUES OVER (UNDER) EXPENDITURES	(1,162,168)	87,631	258,367	(359,556)	(1,175,726)
OTHER FINANCING SOURCES (USES)					
Proceeds from lease	1,898,242	-	-	-	1,898,242
Transfers in	281,000	60,300	-	372,600	713,900
Transfers out	(372,600)	(100,000)	(289,800)	-	(762,400)
Total other financing sources (uses)	1,806,642	(39,700)	(289,800)	372,600	1,849,742
Net change in fund balances	644,474	47,931	(31,433)	13,044	674,016
FUND BALANCES					
Beginning of year	20,351,982	2,373,319	3,005,550	416,089	26,146,940
End of year	$ 20,996,456	$ 2,421,250	$ 2,974,117	$ 429,133	$ 26,820,956

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
RECONCILIATION OF THE STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES OF GOVERNMENTAL FUNDS TO THE STATEMENT OF ACTIVITIES
YEAR ENDED DECEMBER 31, 2022

Net change in fund balances - total governmental funds	$ 674,016
Amounts reported for governmental activities in the statement of activities are different because:	
Governmental funds report capital outlays as expenditures. In the statement of activities, these costs are allocated over their estimated useful lives as depreciation:	
Depreciation/amortization expense	(1,798,063)
Capital outlay	3,402,297
Realized loss on disposal of capital assets	(57,385)
Accrued interest on bonds is recorded in the statement of activities when incurred; it is not recorded in governmental funds until it is paid:	
Accrued interest payable beginning of the year	74,999
Accrued interest payable end of the year	(69,301)
The issuance of long-term debt (e.g. leases and bonds) provides current financial resources to governmental funds, while the repayment of principal of long-term debt consumes the current financial resources of governmental funds. Neither transaction, however, has any effect on net position. Also, governmental funds report the effect of premiums, discounts, and similar items when debt is first issued, whereas these amounts are deferred and amortized in the statement of activities. The effect of these differences is the treatment of long-term debt and related items and are as follows:	
Amortization of deferred loss on refunding	(7,905)
Amortization of bond premium	42,298
Proceeds from lease	(1,898,242)
Repayment of principal on long-term debt	465,832
Revenue is recorded on the accrual method in the statement of activities; in the governmental funds it is recorded on the modified accrual method and not considered available:	
Accrued revenue beginning of the year - primarily delinquent personal property taxes	(37,926)
Accrued revenue end of the year - primarily delinquent personal property taxes	20,359
Compensated absences are reported on the accrual method in the statement of activities, and recorded as an expenditure when financial resources are used in the governmental funds:	
Accrued compensated absences beginning of the year	1,079,061
Accrued compensated absences end of the year	(854,580)
Some expenses reported in the statement of activities do not require the use of current financial resources and, therefore, are not reported as expenditures in the governmental funds:	
Other postemployment benefit related items	(166,108)
Pension related items	1,456,031
Change in net position of governmental activities	$ 2,325,383

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
PROPRIETARY FUNDS
STATEMENT OF NET POSITION
DECEMBER 31, 2022

	Business-type Activities - Enterprise Funds		
	Sewer Fund	Water Fund	Total
ASSETS			
Current assets			
Cash	$ 5,805,276	$ 4,813,276	$ 10,618,552
Investments	5,370,909	4,453,718	9,824,627
Receivables			
Accounts	8,186,721	380,197	8,566,918
Interest	26,687	22,130	48,817
Special assessment - current	-	1,546	1,546
Special assessment - interest	-	102	102
Other	-	3,316,860	3,316,860
Total current assets	19,389,593	12,987,829	32,377,422
Noncurrent assets			
Special assessment - deferred	-	8,753	8,753
Capital assets not being depreciated	18,774,137	1,107,583	19,881,720
Property, plant and equipment, net of accumulated depreciation	24,125,127	36,344,190	60,469,317
Total noncurrent assets	42,899,264	37,460,526	80,359,790
TOTAL ASSETS	62,288,857	50,448,355	112,737,212
DEFERRED OUTFLOWS OF RESOURCES			
Other postemployment benefits related items	2,032,356	390,838	2,423,194

See notes to financial statements.

	Business-type Activities - Enterprise Funds		
	Sewer Fund	Water Fund	Total
LIABILITIES			
Current liabilities			
Accounts payable	$ 2,312,136	$ 646,902	$ 2,959,038
Customer deposits payable	63,090	16,460	79,550
Contract retainage payable	1,367,635	21,582	1,389,217
Accrued interest	-	7,091	7,091
Unearned revenue	5,304,058	2,810,278	8,114,336
Current portion of long-term liabilities	22,233	945,000	967,233
Current portion of compensated absences	165,549	21,208	186,757
Due to other funds	32,137	9,850	41,987
Total current liabilities	9,266,838	4,478,371	13,745,209
Long-term liabilities, net of current portion			
Compensated absences	188,486	42,031	230,517
Bonds payable	-	1,010,000	1,010,000
Other long-term debt	15,157,163	-	15,157,163
Net other postemployment benefits liability	779,299	149,865	929,164
Unamortized bond premiums (discount) - net	-	(9,365)	(9,365)
Total long-term liabilities	16,124,948	1,192,531	17,317,479
TOTAL LIABILITIES	25,391,786	5,670,902	31,062,688
DEFERRED INFLOWS OF RESOURCES			
Other postemployment benefits related items	1,872,037	360,007	2,232,044
NET POSITION			
Net investment in capital assets	27,719,868	35,506,138	63,226,006
Unrestricted	9,337,522	9,302,146	18,639,668
TOTAL NET POSITION	$ 37,057,390	$ 44,808,284	$ 81,865,674

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
PROPRIETARY FUNDS
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION
YEAR ENDED DECEMBER 31, 2022

	Business-type Activities-Enterprise Funds		
	Sewer Fund	Water Fund	Total
OPERATING REVENUES			
Charges for services	$ 5,682,400	$ 5,493,361	$ 11,175,761
Hydrant rental	-	157,850	157,850
Forfeited discounts	72,121	61,459	133,580
Other services charges	-	150,376	150,376
Other	30,817	21,979	52,796
TOTAL OPERATING REVENUES	5,785,338	5,885,025	11,670,363
OPERATING EXPENSES			
Costs of sales and services	4,149,584	4,800,239	8,949,823
Depreciation	1,069,105	1,246,992	2,316,097
TOTAL OPERATING EXPENSES	5,218,689	6,047,231	11,265,920
Operating income (loss)	566,649	(162,206)	404,443
NON-OPERATING REVENUES (EXPENSES)			
Capital charges	329,840	585,525	915,365
State grants	604,564	240,390	844,954
Reimbursement for construction costs	235,128	318,487	553,615
Gain on disposal of capital assets	14,848	6,500	21,348
Investment income - net	(48,831)	(66,250)	(115,081)
Interest and fiscal charges	(14,848)	(47,065)	(61,913)
Amortization of bond discount	-	(3,122)	(3,122)
TOTAL NON-OPERATING REVENUES (EXPENSES) - NET	1,120,701	1,034,465	2,155,166
Income (loss) before capital contributions	1,687,350	872,259	2,559,609
CAPITAL CONTRIBUTIONS - infrastructure	1,755,075	1,391,016	3,146,091
TRANSFERS IN	38,000	10,500	48,500
Change in net position	3,480,425	2,273,775	5,754,200
NET POSITION, beginning of year	33,576,965	42,534,509	76,111,474
NET POSITION, end of year	$ 37,057,390	$ 44,808,284	$ 81,865,674

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
PROPRIETARY FUNDS
STATEMENT OF CASH FLOWS
YEAR ENDED DECEMBER 31, 2022

	Business-type Activities-Enterprise Funds		
	Sewer Fund	Water Fund	Total
CASH FLOWS FROM OPERATING ACTIVITIES			
Receipts from customers and users	$ 4,743,155	$ 5,047,886	$ 9,791,041
Hydrant rental	-	157,850	157,850
Forfeited discounts	72,121	61,459	133,580
Other services charges	-	150,376	150,376
Other	30,817	21,979	52,796
Payment to suppliers	(153,252)	(3,687,119)	(3,840,371)
Payment to employees	(2,194,952)	(746,208)	(2,941,160)
Receipt (payment) for interfund services	5,795	355	6,150
Net cash provided by operating activities	2,503,684	1,006,578	3,510,262
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES			
Capital charges	329,840	585,525	915,365
Main and tap in charges	430	-	430
Net cash provided by noncapital financing activities	330,270	585,525	915,795
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES			
State grants	604,564	240,390	844,954
Reimbursement for construction costs	235,128	318,487	553,615
Gain on disposal of capital assets	14,848	6,500	21,348
Interest received from special assessments	5	1,280	1,285
Proceeds (payments) from special assessments	858	1,911	2,769
Principal repayments on debt	(22,234)	(955,000)	(977,234)
Transfer from other funds	38,000	10,500	48,500
Interest paid on bonds and land contract	(14,848)	(54,098)	(68,946)
Payments for capital acquisitions	(585,821)	(868,721)	(1,454,542)
Net cash provided (used) by capital and related financing activities	270,500	(1,298,751)	(1,028,251)
CASH FLOWS FROM INVESTING ACTIVITIES			
Interest received from investments	(60,699)	(73,154)	(133,853)
Proceeds (purchase) of investments	(1,720,589)	(392,370)	(2,112,959)
Net cash used by investing activities	(1,781,288)	(465,524)	(2,246,812)
NET INCREASE (DECREASE) IN CASH	1,323,166	(172,172)	1,150,994
CASH			
Beginning of year	4,482,110	4,985,448	9,467,558
End of year	$ 5,805,276	$ 4,813,276	$ 10,618,552

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
PROPRIETARY FUNDS
STATEMENT OF CASH FLOWS
YEAR ENDED DECEMBER 31, 2022

	Business-type Activities-Enterprise Funds		
	Sewer Fund	Water Fund	Total
RECONCILIATION OF NET OPERATING REVENUES (EXPENSE) TO NET CASH PROVIDED (USED) BY OPERATING ACTIVITIES			
Operating income (loss)	$ 566,649	$ (162,206)	$ 404,443
Adjustments to reconcile operating income (loss) to net cash provided (used) by operating activities			
Depreciation	1,069,105	1,246,992	2,316,097
(Increase) decrease in assets			
Receivables	(7,610,938)	(3,275,610)	(10,886,548)
Due to/from other funds - net	5,795	355	6,150
Increase (decrease) in liabilities			
Accounts payable	1,818,756	383,327	2,202,083
Accrued compensated absences	(66,027)	(26,501)	(92,528)
Customer deposits	-	730	730
Contract retainage payable	1,367,635	21,582	1,389,217
Other postemployment benefit liability	48,651	9,356	58,007
Unearned revenue	5,304,058	2,808,553	8,112,611
Net cash provided by operating activities	$ 2,503,684	$ 1,006,578	$ 3,510,262

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
FIDUCIARY FUNDS
STATEMENT OF NET POSITION
DECEMBER 31, 2022

	Other Post Employment Benefit Trust Fund	Custodial Fund
	Retiree Health Benefits	Tax Collection Fund
ASSETS		
Cash	$ -	$ 1,346,474
Investments	17,100,857	1,243,552
Interest receivable	-	6,179
TOTAL ASSETS	17,100,857	2,596,205
LIABILITIES		
Undistributed tax collections		
Current	-	2,596,205
NET POSITION		
Restricted for other post employment benefits	$ 17,100,857	$ -

See notes to financial statements.

CHARTER TOWNSHIP OF DELTA
FIDUCIARY FUNDS
STATEMENT OF CHANGES IN NET POSITION
YEAR ENDED DECEMBER 31, 2022

	Other Post Employment Benefit Trust Fund Retiree Health Benefits	Custodial Fund Tax Collection Fund
ADDITIONS		
Contributions		
Employer	$ 706,712	$ -
Nonemployer	15,000	-
Collection of taxes for other governments	-	64,043,746
Investment income	(2,206,335)	-
TOTAL ADDITIONS	(1,484,623)	64,043,746
DEDUCTIONS		
Benefits paid to participants	396,712	-
Payment of taxes collected for other governments	-	64,043,746
TOTAL DEDUCTIONS	396,712	64,043,746
Net change in fiduciary net position	(1,881,335)	-
NET POSITION		
Beginning of year	18,982,192	-
End of year	$ 17,100,857	$ -

See notes to financial statements.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Description of Government-wide Financial Statements

The government-wide financial statements (i.e., the statement of net position and the statement of activities) report information on all of the non-fiduciary activities of the primary government and its component units. Governmental activities, which normally are supported by taxes and intergovernmental revenues, are reported separately from business-type activities, which rely, to a significant extent, on fees and charges for support. Likewise, the primary government is reported separately from its legally separate component units for which the primary government is financially accountable.

Reporting Entity

The Charter Township of Delta (Township) is incorporated under the provisions of Act 359, P.A. 1947 as amended (Charter Township Act) and is located in mid-Michigan. The Township is governed by the Charter Township of Delta Board of Trustees (the "Board"), which has responsibility and control over all activities related to the Township. The Township provides the following services as authorized by its charter; public safety (police and fire), public improvements (streets, sewers, water system, lighting), planning and zoning, recreation and general administrative services.

The accompanying financial statements present the government and its component units, entities for which the government is considered to be financially accountable. Each discretely presented component unit is reported in a separate column in the government-wide financial statements (see note below for description) to emphasize that it is legally separate from the government.

Discretely Presented Component Units

The following is a description of the discretely presented component units:

The Economic Development Corporation of the Charter Township of Delta (EDC) is a nonstock, nonprofit corporation. The primary purpose of the corporation is to encourage and assist commercial enterprises to locate and expand facilities and services in the Township and to its residents. The corporation is organized pursuant to the State of Michigan, Public Act 338 of 1974, as amended. Members of the Board of Directors of the corporation are appointed by the Township Board of Trustees. The Township Board has the ability to exercise oversight responsibility, specifically in the area of designation of management. The EDC is presented as a discretely presented component unit.

The Brownfield Redevelopment Authority of the Charter Township of Delta was established in 2002. The primary purpose of the fund is to clean up environmentally challenged properties in the Township and prepare them for desirable and productive re-use. The Authority is organized pursuant to Section 8 of the State of Michigan's Brownfield Redevelopment Financing Act (Public Act 381 of 1996, as amended by Public Act 145 of 2000 and Public Act 502 of 2012). Members of the Board of Directors of the Authority are the same as the members of the Economic Development Corporation and are appointed by the Township Board of Trustees. The Township Board has the ability to exercise oversight responsibility, specifically in the area of designation of management. The Brownfield Redevelopment Authority is presented as a discretely presented component unit.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Reporting Entity (continued)

Discretely Presented Component Units (continued)

The Tax Increment Finance Authority ("TIFA") was established by the Township under the authority contained in Act 450, Michigan Public Acts of 1981 ("Act 450"). Act 450 authorizes the Township to designate specific districts within its corporate limits as TIFA districts. The TIFA presides over such districts, formulating plans for public improvements, economic development, neighborhood revitalization, and historic preservation within the districts. Act 450 allows the TIFA to participate in a broad range of improvement activities intended to contribute to economic growth and prevent property value deterioration. The TIFA's governing body is appointed by the Supervisor and approved by the Township Board. Funding for the Saginaw Highway Corridor Improvement Authority will come from the TIFA. There was no activity in the TIFA for the year ending December 31, 2022, though it will be presented as a discretely presented component unit in future years.

The Saginaw Highway Corridor Improvement Authority ("SHCIA") was created in 2021 with the goals to correct and prevent deterioration in the business district, redevelop the Township's commercial corridors and promote economic growth. The Development and Tax Increment Financing plans arrange projects into three categories: public infrastructure, current and prevent deterioration, and promote neighborhood aligned economic growth. In 2021, the development and tax increment finance plans were approved and allow the Authority to begin its first steps in executing the vision set forth by the corridor's residents, businesses, and other stakeholders. The Authority's governing body is appointed by the Supervisor and approved by the Township Board. The Authority relies on tax increment revenues as available, along with grants and other revenues. The SHCIA is presented as a discretely presented component unit.

Fiduciary Component Unit

The Other Postemployment Benefit Trust Fund was established in 2004 to account for the assets set aside to fund the Delta Township Retiree Health Care Plan. The primary purpose of the Trust is to provide the necessary funding for the retiree health benefits provided to eligible Township employees during retirement. The Trust was established through MISSIONSQUARE Retirement Corporation, with the Township Board of Trustees serving as the trustees. The assets of the Trust are for the exclusive benefit of the participants and their beneficiaries, and the assets shall not be diverted to any other purchase prior to the satisfaction of all liabilities. The assets are protected from any of the Township's creditors. Members of the Board of Directors of the Trust are the same as the members of the Township Board of Trustees. The Township Board has the ability to exercise oversight responsibility, specifically in the area of designation of management.

Basis of Presentation - Government-wide Financial Statements

While separate government-wide and fund financial statements are presented, they are interrelated. The governmental activities column incorporates data from the governmental funds, while business-type activities incorporate data from the government's enterprise funds. Separate financial statements are provided for governmental funds, proprietary funds, and fiduciary funds, even though the latter are excluded from the government-wide financial statements.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Basis of Presentation - Government-wide Financial Statements (continued)

As discussed earlier, the Township has three discretely presented component units. While the Economic Development Corporation, Saginaw Highway Corridor Improvement Authority and the Brownfield Redevelopment Authority of the Charter Township of Delta are not considered to be major component units, they are nevertheless shown in separate columns in the government-wide financial statements.

As a general rule, the effect of interfund activity has been eliminated from the government-wide financial statements. Exceptions to this general rule are charges for water, sewer and engineering services between the water and sewer funds and other functions of government. Elimination of these charges would distort the direct costs and program revenues reported for the various functions concerned.

Basis of Presentation - Fund Financial Statements

The fund financial statements provide information about the Township's funds, including its fiduciary funds. Separate statements for each fund category - governmental, proprietary, and fiduciary - are presented. The emphasis of fund financial statements is on major governmental and enterprise funds, each displayed in a separate column. All remaining governmental funds are aggregated and reported as nonmajor funds.

The government reports the following *Major Governmental Funds*:

The *General Fund* is the government's primary operating fund. It accounts for all financial resources of the general government, except those required to be accounted for in another fund.

The *Paramedic Fund* is a special revenue fund. It is utilized to account for the Township's ambulance service tax levy.

The *Capital Project Fund* is used for the receipt of proceeds and transfers from the general fund for the purchase of capital assets or construction of major capital projects. The Township's capital project fund includes the improvement revolving fund.

The government reports the following *Major Proprietary Funds*:

The *Water and Sewer Funds* are used to account for the results of operations that provide a service to citizens that are financed primarily by user charges for the provision of that service.

Additionally, the government reports the following *Nonmajor Fund Types*:

Debt Service Fund - The *debt service fund* accounts for the resources accumulated and payments made for principal and interest on long-term debt payable primarily from rent revenue from the Township Library. The Township's only current debt service fund relates to the Library building.

Permanent Fund - The Township utilizes the *Cemetery Perpetual Care Fund* to account for principal trust amounts received and the related interest.

Additionally, the government reports as *Fiduciary Funds* the *Post-employment Benefit Trust Fund* and the *Tax Collection Fund* (custodial fund).

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Basis of Presentation - Fund Financial Statements (continued)

The other *Post-employment Benefit Trust Fund* accounts for the accumulated resources related to health benefit payments to qualified retirees.

The *Custodial Fund* is utilized to account for the Township's collection of taxes for other governmental units.

During the course of operations, the Township has activity between funds for various purposes. Any residual balances outstanding at year end are reported as due from/to other funds and advances to/from other funds. While these balances are reported in fund financial statements, certain eliminations are made in the preparation of the government-wide financial statements. Balances between the funds included in governmental activities are eliminated so that only the net amount is included as internal balances in the governmental activities column. Similarly, balances between the funds included in business-type activities (i.e., the enterprise funds) are eliminated so that only the net amount is included as internal balances in the business-type activities column.

Further, certain activity occurs during the year involving transfers of resources between funds. In fund financial statements these amounts are reported at gross amounts as transfers in/out. While reported in fund financial statements, certain eliminations are made in the preparation of the government-wide financial statements. Transfers between the funds included in governmental activities are eliminated so that only the net amount is included as transfers in the governmental activities column. Similarly, balances between the funds included in business-type activities are eliminated so that only the net amount is included as transfers in the business-type activities column.

Measurement Focus and Basis of Accounting

The accounting and financial reporting treatment is determined by the applicable measurement focus and basis of accounting. Measurement focus indicates the type of resources being measured such as *current financial resources* or *economic resources.* The basis of accounting indicates the timing of transactions or events for recognition in the financial statements.

The government-wide financial statements are reported using the *economic resources measurement focus* and the *accrual basis of accounting*, as are the proprietary fund and fiduciary fund financial statements. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. Property taxes are recognized as revenues in the year for which they are levied. Grants and similar items are recognized as revenue as soon as all eligibility requirements imposed by the provider have been met.

The governmental fund financial statements are reported using the *current financial resources measurement focus* and the *modified accrual basis of accounting*. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be available when they are collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the Township considers revenues to be available if they are generally collected within 60 days of the end of the current fiscal period. Expenditures generally are recorded when a liability is incurred, as under accrual accounting. However, debt service expenditures, as well as expenditures related to compensated absences, and claims and judgments, are recorded only when payment is due.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Measurement Focus and Basis of Accounting (continued)

General capital asset acquisitions are reported as expenditures in governmental funds. Issuance of long-term debt and acquisitions under capital leases are reported as other financing sources.

Franchise fees, licenses, and interest associated with the current fiscal period are all considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal year. Only the portion of special assessments receivable due within the current fiscal period is considered to be susceptible to accrual as revenue of the current period. Expenditure-driven grants are recognized as revenue when the qualifying expenditures have been incurred and all other eligibility requirements have been met, and the amount is received during the period or within the availability period for this revenue source (within 60 days of year-end). All other revenue items are considered to be measurable and available only when cash is received by the government.

The proprietary, other postemployment benefit trust, and custodial funds are reported using the *economic resources measurement focus* and the *accrual basis of accounting*.

Budgetary Information

Budgetary Basis of Accounting:

Annual budgets are adopted on a basis consistent with generally accepted accounting principles for the general fund and special revenue fund. The capital projects fund is appropriated on a project-length basis.

The budget is prepared by fund, function, and department. The Township's department heads may make transfers of appropriations within a department. Transfers of appropriations between departments require the approval of the Board. The legal level of budgetary control (i.e., the level at which expenditures may not legally exceed appropriations) is the fund level.

Appropriations in all budgeted funds lapse at the end of the fiscal year even if they have related encumbrances. Encumbrances are commitments related to unperformed (executory) contracts for goods or services (i.e., purchase orders, contracts, and commitments). The Township does not utilize encumbrance accounting.

The budget was amended during the year with supplemental appropriations. All the budget amendments were approved prior to December 31, 2022. The Township does not consider the amendments to be significant. Violations, if any, are noted in the required supplementary information sections.

Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position/Fund Balance

Cash and Investments

Cash includes amounts in petty cash and demand deposits. Investments include instruments allowed by state statute subsequently described. Investments are carried at fair value.

Certain investments are valued at fair value as determined by quoted market prices, or by estimated fair values when quoted market prices are not available. Standards also provide that certain investments are valued at cost (or amortized cost).

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position/Fund Balance (continued)

Cash and Investments (continued)

In accordance with Michigan Compiled Laws, the Township is authorized to invest in the following investment vehicles:

a. Bonds, securities, and other obligations of the United States or an agency or instrumentality of the United States.

b. Certificates of deposit, savings accounts, deposit accounts, or depository receipts of a bank which is a member of the Federal Deposit Insurance Corporation (FDIC) or a savings and loan association which is a member of the Federal Savings and Loan Insurance Corporation (FSLIC) or a credit union which is insured by the National Credit Union Administration (NCUA), but only if the bank, savings and loan association, or credit union is eligible to be a depository of surplus funds belonging to the State under section 5 or 6 of Act No. 105 of the Public Acts of 1855, as amended, being Section 21.145 and 21.146 of the Michigan Compiled Laws.

c. Commercial paper rated at the time of purchase within the three highest classifications established by not less than two standard rating services, and which matures not more than 270 days after the date of purchase.

d. The United States government or federal agency obligations repurchase agreements.

e. Bankers acceptances of United States banks.

f. Mutual funds composed of investment vehicles, which are legal for direct investment by local units of government in Michigan.

Michigan Compiled Laws allow for collateralization of government deposits, if the assets for pledging are acceptable to the State Treasurer under Section 3 of 1855 PA 105, MCL 21.143, to secure deposits of State surplus funds, securities issued by the Federal Loan Mortgage Corporation, Federal National Mortgage Association, or Government National Mortgage Association.

The Township's retirement system investments are held in trust by the investment fiduciary, MISSIONSQUARE Retirement Corporation. Michigan Compiled Laws, Section 38.1132, authorizes Delta Township's retirement system to invest in a wide variety of investments including stocks, bonds, certificates of deposit, real estate, annuity contract obligations of a specified nature, and real or personal property.

Receivables and Payables

Activity between funds that are representative of lending/borrowing arrangements outstanding at the end of the fiscal year are referred to as "due to/from other funds" and are all current. Any residual balances outstanding between the governmental activities and business-type activities are reported in the government-wide financial statements as "internal balances."

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position/Fund Balance (continued)

Receivables and Payables (continued)

Accounts receivable in the proprietary funds do not have an allowance for uncollectibles. Delinquent amounts are ultimately added to the tax roll and become a lien on the property and as a consequence, no allowance is deemed necessary. An allowance is recorded related to delinquent personal property taxes amounting to 50% of the total. No other significant allowances are deemed necessary.

Prepaid Items

Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items in both government-wide and fund financial statements.

Capital Assets

Capital assets, which include property, plant, equipment, and infrastructure (sidewalks, water and sewer lines and usage rights), are reported in the applicable governmental or business-type activities columns in the government-wide financial statements. Capital assets are defined by the government as assets with an initial, individual cost of more than $5,000 and an estimated useful life in excess of one year. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at estimated acquisition cost at the date of donation.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized.

Major outlays for capital assets and improvement are capitalized as projects are constructed. Interest incurred during the construction phase of capital assets of business-type activities is included as part of the capitalized value of the assets constructed.

Right to use assets of the Township are amortized using the straight-line method over the shorter of the lease period or estimated useful lives. Property, plant, and equipment of the primary government, as well as the component units, is depreciated using the straight-line method over the following estimated useful live:

Assets	Years
Buildings	50
Building improvements	20
Land improvements/sidewalks	15 - 25
Sewer and water mains	50
Flowage rights	40
Streets and highways	15
Vehicles	5
Equipment	3 - 5
Right to use asset - equipment	10

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position/Fund Balance (continued)

Deferred Outflows/Inflows of Resources

In addition to assets, the statement of financial position will report a separate section for deferred outflows of resources. This separate financial statement element, *deferred outflows of resources*, represents a consumption of net position that applies to a future period(s) and so will *not* be recognized as an outflow of resources (expense/expenditure) until then. The Township has three items that qualify for reporting in this category. They are the deferred charge on refunding, pension related items and other postemployment benefits related items reported in the government-wide statement of net position. A deferred charge on refunding results from the difference in the carrying value of refunded debt and its reacquisition price. The amount is deferred and amortized over the shorter of the life of the refunded or refunding debt. A deferred outflow is recognized for pension related items and is expensed in the plan years in which it applies. A deferred outflow is also recognized for other postemployment benefit related items and is expensed in the plan years in which it applies. The Township also reports unavailable revenue from one source: leases. These amounts are recognized as revenue over the term of the lease agreements.

In addition to liabilities, the statement of financial position will report a separate section for deferred inflows of resources. This separate financial statement element, *deferred inflows of resources,* represents an acquisition of net position that applies to a future period(s) and so will *not* be recognized as an inflow of resources (revenue) until that time. The Township has three items that qualify for reporting in this category. One is for pension related items reported in the government-wide statement of net position. The second is for other postemployment benefit related items reported in the government-wide statement of net position. The Township also reports unavailable revenues from two source: property taxes and leases. The property taxes are amounts levied for the next fiscal year. The leases are long-term leases entered into by the Township in which the Township is the lessor. These amounts are recognized as revenue over the term of the lease agreements.

Pension

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Municipal Employees' Retirement System (MERS) of Michigan and additions to/deductions from MERS' fiduciary net position have been determined on the same basis as they are reported by MERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

Postemployment Benefits Other Than Pensions (OPEB)

For purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the Delta Township Retiree Health Care Plan (the "Plan") and additions to/deductions from the Plan's fiduciary net position have been determined on the same basis as they are reported by the Plan. For this purpose, the Plan recognizes benefit payments when due and payable in accordance with the benefit terms. Investments are reported at fair value.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position/Fund Balance (continued)

Net Position Flow Assumption

Sometimes the Township will fund outlays for a particular purpose from both restricted (e.g., restricted bond or grant proceeds) and unrestricted resources. In order to calculate the amounts to report as restricted - net position and unrestricted - net position in the government-wide and proprietary fund financial statements, a flow assumption must be made about the order in which the resources are considered to be applied. It is the Township's policy to consider restricted - net position to have been depleted before unrestricted - net position is applied.

Fund Balance Flow Assumptions

Sometimes the Township will fund outlays for a particular purpose from both restricted and unrestricted resources (the total of committed, assigned, and unassigned fund balance). In order to calculate the amounts to report as restricted, committed, assigned, and unassigned fund balance in the governmental fund financial statements a flow assumption must be made about the order in which the resources are considered to be applied. It is the Township's policy to consider restricted fund balance to have been depleted before using any of the components of unrestricted fund balance. Further, when the components of unrestricted fund balance can be used for the same purpose, committed fund balance is depleted first, followed by assigned fund balance. Unassigned fund balance is applied last.

Fund Balance Policies

Fund balance of governmental funds is reported in various categories based on the nature of any limitations requiring the use of resources for specific purposes. The Township itself can establish limitations on the use of resources through either a commitment (committed fund balance) or an assignment (assigned fund balance).

The committed fund balance classification includes amounts that can be used only for the specific purposes determined by a formal action of the Township's highest level of decision-making authority. The Board of Trustees is the highest level of decision-making authority for the Township that can, by adoption of a board action prior to the end of the fiscal year, commit fund balance. Once adopted, the limitation imposed by the board action remains in place until a similar action is taken (the adoption of another board action) to remove or revise the limitation.

Amounts in the assigned fund balance classification are intended to be used by the Township for specific purposes but do not meet the criteria to be classified as committed. The Board of Trustees has by resolution authorized the township manager and finance director to assign fund balance. The Board of Trustees may also assign fund balance as it does when appropriating fund balance to cover a gap between estimated revenue and appropriations in the subsequent year's appropriated budget. Unlike commitments, assignments generally only exist temporarily. In other words, an additional action does not have to be taken for the removal of an assignment. Conversely, as discussed above, an additional action is essential to either remove or revise a commitment.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position/Fund Balance (continued)

Fund Balance Policies (continued)

In the general fund, the goal of the Township Board shall be to maintain a minimum unassigned fund balance of no less than 50% of general fund expenditures. For purposes of this calculation, "expenditures" will be the annual budgeted expenditures amount less non-recurring capital expenditures. If unassigned fund balance levels fall below 50% of expenditures, the general fund budget for the following year will be adjusted to restore fund balance to the 50% level.

The Township has a stabilization arrangement, under Michigan Public Act 30 of 1978. There are no requirements to add to the stabilization amount. The conditions under which stabilization amount may be spent are to cover general fund deficits, expenses related arising from natural disasters, and to prevent a reduction in the level of public services provided. The use of the stabilization funds may be appropriated by an ordinance or resolution adopted by a 2/3 vote of the Board of Trustees.

Leases

Lessee: The Township is a lessee for a noncancelable lease of equipment. The Township recognizes a lease liability and an intangible right-to-use lease asset in the government-wide financial statements.

At the commencement of a lease, the Township initially measures the lease liability at the present value of payments expected to be made during the lease term. Subsequently, the lease liability is reduced by the principal portion of lease payments made. The lease asset is initially measured as the initial amount of the lease liability, adjusted for lease payments made at or before the lease commencement date, plus certain initial direct costs. Subsequently, the lease asset is amortized on a straight-line basis over its useful life.

Key estimates and judgements related to leases include how the Township determines (1) the discount rate it uses to discount the expected lease payments to present value, (2) lease term, and (3) lease payments.

- The Township uses the interest rate charged by the lessor as the discount rate. When the interest rate charged by the lessor is not provided, the Township generally uses its estimated incremental borrowing rate as the discount rate for leases.

- The lease term includes the noncancelable period of the lease. Lease payments included in the measurement of the lease liability are composed of fixed payments and purchase option price that the Township is reasonably certain to exercise.

The Township monitors changes in circumstances that would require a remeasurement of its lease and will remeasure the lease asset and liability if certain changes occur that are expected to significantly affect the amount of the lease liability.

Lease assets are reported with other capital assets and lease liabilities are reported with long-term obligations on the statement of net position.

Lessor: The Township is a lessor for a noncancelable lease of a building. The Township recognizes a lease receivable and a deferred inflow of resources in the governmental-wide and governmental fund financial statements.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Assets, Liabilities, Deferred Outflows/Inflows of Resources, and Net Position/Fund Balance (continued)

Leases (continued)

As the commencement of a lease, the Township initially measures the lease receivable at the present value of payments expected to be received during the lease term. Subsequently, the lease receivable is reduced by the principal portion of lease payments received. The deferred inflow of resources is initially measured as the initial amount of the lease receivable, adjusted for lease payment received at or before the lease commencement date. Subsequently, the deferred inflow of resources is recognized as revenue over the life of the lease term.

Key estimates and judgements include how the Township determines (1) the discount rate is used to discount the expected lease receipt to present value, (2) lease term, and (3) lease receipts.

- The Township uses its estimated incremental borrowing rate as the discount rate for leases.
- The lease term includes the non-cancelable period of the lease. Lease receipts included in the measurement of the lease receivable are composed of fixed payments from the lessee.

The Township monitors changes in circumstances that would require a remeasurement of this lease and will remeasure the lease receivable and deferred inflows of resources if certain changes occur that are expected to significantly affect the amount of the lease receivable.

Comparative Data/Reclassifications

Comparative total data for the prior year have been presented only for certain individual funds in additional supplementary information in order to provide an understanding of the changes in the financial position and operations of these funds. Also, at certain times the amounts presented in the prior year data have been reclassified in order to be consistent with the current year's presentation.

Use of Estimates

The process of preparing financial statements in conformity with accounting principles generally accepted in the United States of America requires the use of estimates and assumptions regarding certain types of assets, liabilities, revenues, and expenditures. Such estimates primarily relate to unsettled transactions and events as of the date of the financial statements. Accordingly, upon settlement, actual results may differ from estimated amounts.

Revenues and Expenditures/Expenses

Program Revenues

Amounts reported as *program revenues* include 1) charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given function or segment 2) operating grants and contributions and 3) capital grants and contributions, including special assessments. All taxes, including those dedicated for specific purposes, and other internally dedicated resources are reported as general revenues rather than as program revenues.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Revenues and Expenditures/Expenses (continued)

Property Taxes

Property taxes become an enforceable lien on the property as of December 1. Taxes are levied on December 1 and are due in February of the following year. The Township bills and collects its own property taxes and also taxes for the county, intermediate school district, community college and school districts. All tax collections are accounted for in the tax collection fund, an custodial fund. Township tax revenues are recognized in the fiscal year following the December 1 levy date. Property taxes levied for the ensuing year's revenue are included in taxes receivable and deferred inflows of resources. Property tax receivables related to delinquent taxes are also unavailable unless collected within 60 days of year-end.

The Township is permitted by state statute to levy taxes up to $5.00 per $1,000 of taxable valuation for general government services other than the payment of principal and interest on long-term debt and in unlimited amounts for the payment of principal and interest on long-term debt. In addition, the residents of the Township have approved an additional $1.00 per $1,000 specifically for the operation of the paramedic operations. In 2022, the Township levied $4.9287 per $1,000 for general governmental purposes and $0.9896 per $1,000 for the paramedic operation for a total of $5.9183 per $1,000. The total taxable value for the 2021 levy within the Township was $1,594,234,942.

Compensated Absences

It is the Township's policy to permit employees to accumulate a limited amount of earned but unused vacation and sick leave, which will be paid to employees upon separation from the Township. All vacation pay is accrued when earned in the government-wide and proprietary fund financial statements. A liability for these amounts is reported in governmental funds only if they have matured, for example, as a result of employee resignations and retirements.

Long-term Obligations

In the government-wide financial statements, and proprietary fund types in the fund financial statements, long-term debt and other long-term obligations are reported as liabilities in the applicable governmental activities, business-type activities or proprietary fund type statement of net position. Bond premiums and discounts, are deferred and amortized over the life of the bonds using the straight-line method. Bond issuance costs are reported as expenditures in the year in which they are incurred.

In the fund financial statements, governmental fund types recognize bond premiums and discounts, as well as bond issuance costs during the current period. The face amount of debt issued is reported as other financing sources. Premiums received on debt issuances are reported as other financing sources while discounts on debt issuances are reported as other financing uses. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Revenues and Expenditures/Expenses (continued)

Proprietary Funds Operating and Nonoperating Revenues and Expenses

Proprietary funds distinguish *operating* revenues and expenses from *nonoperating* items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. The principal operating revenues of the water and sewer funds are charges to customers for sales and services. The funds also recognize as operating revenue the portion of tap fees intended to recover the cost of connecting new customers to the system. Operating expenses for enterprise funds include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

NOTE 2 - DEPOSITS AND INVESTMENTS

As of December 31, 2022 the Township had deposits and investments subject to the following risk:

Custodial Credit Risk - Deposits

In the case of deposits, this is the risk that in the event of a bank failure, the Township's deposits may not be returned to it. As of December 31, 2022, $9,967,714 of the Township's bank balance of $10,307,933 was exposed to custodial credit risk because it was uninsured and uncollateralized. Money market accounts are included in the above totals. The balance of $10,324,140 is reported as deposits on the financial statements as of December 31, 2022.

Custodial Credit Risk - Investments

For an investment, this is the risk that, in the event of the failure of the counterparty, the Township will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party.

The Township will minimize custodial credit risk, which is the risk of loss due to the failure of the security issuer or backer, by; limiting investments to the types of securities allowed by law; and pre-qualifying the financial institutions, broker/dealers, intermediaries, and advisors with which the Township will do business.

Interest Rate Risk

In accordance with its investment policy, the Township will minimize interest rate risk, which is the risk that the market value of securities in the portfolio will fall due to changes in market interest rates, by; structuring the investment portfolio so that securities mature to meet cash requirements for ongoing operations, thereby avoiding the need to sell securities in the open market; and, investing operating funds primarily in shorter-term securities, liquid asset funds, money market mutual funds, or similar investment pools and limiting the average maturity in accordance with the Township's cash requirements.

NOTE 2 - DEPOSITS AND INVESTMENTS (continued)

Interest Rate Risk (continued)

Investment Type	Fair Value	Weighted Average Maturity (Years)
U.S. Treasury Notes	$ 13,080,957	1.8493
U.S. Agency Loans	7,750,789	1.6508
U.S. Mortgage Backed Securities	6,096,520	1.9516
U.S. Agencies - Corporate	203,253	1.5468
Municipal Bonds	472,167	4.1112
MI CLASS EDGE External Investment Pool	9,963,051	0.1233
MI CLASS External Investment Pool	8,797,832	0.2301
Total fair value	$ 46,364,569	
Portfolio weighted average maturity		1.1360

One day maturity equals 0.0027, one year equals 1.00.

Credit Risk

State law limits investments in commercial paper and corporate bonds to a prime or better rating issued by nationally recognized statistical rating organizations (NRSROs). Obligations of the U.S. government or obligations explicitly guaranteed by the U.S. government are not considered to have credit risk and do not require disclosure of credit quality.

Investment Type	Fair Value	Standard & Poor's Rating	Fitch Rating
Municipal Bonds	$ 472,167	AA-	N/A
MI CLASS EDGE External Investment Pool	9,963,051	N/A	AAAf/S1
MI CLASS External Investment Pool	8,797,832	AAAm	N/A
Total fair value	$ 19,233,050		

Concentration of Credit Risk

The Township will minimize concentration of credit risk, which is the risk of loss attributed to the magnitude of the Township's investment in a single issuer, by diversifying the investment portfolio so that the impact of potential losses from any one type of security or issuer will be minimized.

Foreign Currency Risk

The Township is not authorized to invest in investments which have this type of risk.

NOTE 2 - DEPOSITS AND INVESTMENTS (continued)

Fair Value Measurement

The Township is required to disclose amounts within a framework established for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described as follows:

Level 1: Quoted prices in active markets for identical securities.

Level 2: Prices determined using other significant observable inputs. Observable inputs are inputs that other market participants may use in pricing a security. These may include prices for similar securities, interest rates, prepayment speeds, credit risk and others.

Level 3: Prices determined using significant unobservable inputs. In situations where quoted prices or observable inputs are unavailable or deemed less relevant, unobservable inputs may be used. Unobservable inputs reflect the Township's own assumptions about the factors market participants would use in pricing an investment and would be based on the best information available.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs. Investments that are measured at fair value using net asset per value per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy.

	Level 2
Investments by fair value level	
U.S. Treasury notes	$ 13,080,957
U.S. Agency loans	7,750,789
U.S. Mortgage backed securities	6,096,520
U.S. Agencies - corporate	203,253
Municipal bonds	472,167
Total investments by fair value level	27,603,686
Investments at net asset value (NAV)	
MI CLASS External Investment Pool	8,797,832
MI CLASS EDGE External Investment Pool	9,963,051
Total investments by net asset value	18,760,883
Total investments	$ 46,364,569

NOTE 2 - DEPOSITS AND INVESTMENTS (continued)

Investments in Entities that Calculate Net Asset Value Per Share

The Township holds shares or interests in an investment pool where the fair value of the investments is measured on a recurring basis using net asset value per share (or its equivalent) of the investment companies as a practical expedient.

The Michigan CLASS investment pool invests in U.S. Treasury obligations, federal agency obligations of the U.S. government, high-grade commercial paper (rated "A1" or better), collateralized bank deposits, repurchase agreements (collateralized at 102% by treasuries and agencies), and approved money market funds. The program is designed to meet the needs of Michigan public sector investors. It purchases securities that are legally permissible under state statues and are available for investment by Michigan counties, cities, townships, school districts, authorities, and other public agencies.

At the year ended December 31, 2022, the fair value, unfunded commitments, and redemption rules of those investments are as follows:

	Fair Value	Unfunded Commitments	Redemption Frequency, if Eligible	Redemption Notice Period
MI CLASS External Investment Pool	$ 8,797,832	$ -	No restrictions	None
MI CLASS EDGE External Investment Pool	9,963,051	-	No restrictions	5 business days
Total investments at net asset value	$ 18,760,883	$ -		

The cash and investments referred to above have been reported in either the cash or investments captions on the financial statements, based upon criteria disclosed in Note 2.

	Primary Government	Component Units	Custodial Fund	Total
Cash	$ 27,956,307	$ 275,360	$ 1,346,474	$ 29,578,141
Investments	25,867,016	-	1,243,552	27,110,568
	$ 53,823,323	$ 275,360	$ 2,590,026	$ 56,688,709

Other Postemployment Benefits

The Charter Township of Delta's Other Post Employment Benefit Trust Fund (the "trust fund" or the "System") investments are maintained separately from the Township's pooled cash and investments and are subject to separate investment policies and state statutes. Accordingly, the required disclosure for the System's deposits and investments are presented separately.

Deposits

The System does not maintain any checking or other demand/time deposit accounts.

NOTE 2 - DEPOSITS AND INVESTMENTS (continued)

Investments

The Michigan Public Employees' Retirement Systems' Investment Act, Public Act 314 of 1985, as amended, authorizes the System to invest in stocks, government and corporate securities, mortgages, real estate, and various other investment instruments, subject to certain limitations. The System has the responsibility and authority to oversee the investment portfolio. A professional investment manager is contracted to assist in managing the System's assets. All investment decisions are subject to Michigan law and the investment policy established by the System.

The System's investments are held with an insurance company administered trust fund. Following is a summary of the System's investments as of December 31, 2022:

	Other Post Employment Benefit Trust Fund (Level 1)	Weighted Average Maturity (Years)	Standard & Poor's Rating
Investments by fair value level			
Balanced funds	$ 15,574,883	0.0027	AAAm
Investments at net asset value (NAV)			
Stable value funds	1,525,974	0.0027	AAAm
	$ 17,100,857		
Portfolio weighted average maturity		0.0027	

One day maturity equals 0.0027, one year equals 1.00.

The investments carried at net asset value there are no unfunded commitments, no restrictions on redemption frequency or notice period for redemption.

NOTE 3 - CAPITAL ASSETS

The capital assets are as follows:

	Balance Jan. 1, 2022	Additions/ Reclassifications	Deletions/ Reclassifications	Balance Dec. 31, 2022
Primary government				
Governmental activities				
Capital assets, not being depreciated/amortized				
Land	$ 6,816,315	$ 160,489	$ -	$ 6,976,804
Capital assets, being depreciated/amortized				
Buildings and building equipment	19,180,215	15,653	-	19,195,868
Land improvements and sidewalks	12,814,893	487,314	-	13,302,207
Vehicles	2,146,924	55,888	139,845	2,062,967
Flowage rights	8,546,530	-	-	8,546,530
Streets and highways	5,575,886	-	-	5,575,886
Equipment	6,092,527	784,711	784,338	6,092,900
Right to use asset - equipment	-	1,898,242	-	1,898,242
Total capital assets being depreciated/amortized	54,356,975	3,241,808	924,183	56,674,600
Less accumulated depreciation/amortization for				
Buildings and building equipment	8,838,695	359,582	-	9,198,277
Land improvements and sidewalks	5,230,243	304,440	-	5,534,683
Vehicles	1,375,470	154,273	120,370	1,409,373
Flowage rights	3,936,652	213,663	-	4,150,315
Streets and highways	4,061,585	176,186	-	4,237,771
Equipment	4,674,531	400,095	746,428	4,328,198
Right to use asset - equipment	-	189,824	-	189,824
Total accumulated depreciation/amortization	28,117,176	1,798,063	866,798	29,048,441
Total capital assets being depreciated/amortized, net	26,239,799	1,443,745	57,385	27,626,159
Total	$ 33,056,114	$ 1,604,234	$ 57,385	$ 34,602,963

NOTE 3 - CAPITAL ASSETS (continued)

	Balance Jan. 1, 2022	Additions	Deletions	Balance Dec. 31, 2022
Primary government				
Business-type activities				
Capital assets, not being depreciated				
Land	$ 1,615,240	$ 30,000	$ -	$ 1,645,240
Construction in process	2,282,009	15,954,471	-	18,236,480
Total capital assets not being depreciated	3,897,249	15,984,471	-	19,881,720
Capital assets, being depreciated				
Buildings and building equipment	29,223,883	50,340	23,679	29,250,544
Land improvements/sidewalks	149,441	-	-	149,441
Equipment	3,321,302	518,165	467,234	3,372,233
Sewer and water mains	102,241,210	3,160,355	310,758	105,090,807
Total capital assets being depreciated	134,935,836	3,728,860	801,671	137,863,025
Less accumulated depreciation for				
Buildings and building equipment	26,960,570	106,730	23,679	27,043,621
Land improvements/sidewalks	74,694	9,880	-	84,574
Equipment	2,576,670	160,809	467,234	2,270,245
Sewer and water mains	46,267,348	2,038,678	310,758	47,995,268
Total accumulated depreciation	75,879,282	2,316,097	801,671	77,393,708
Total capital assets being depreciated, net	59,056,554	1,412,763	-	60,469,317
Total	$ 62,953,803	$ 17,397,234	$ -	$ 80,351,037

Depreciation/amortization expense was charged to functions/programs of the primary government at December 31, 2022 as follows:

Governmental activities	
General government	$ 368,447
Public safety	477,160
Public works	524,088
Health and welfare	104,225
Culture and recreation	324,143
Total depreciation/amortization expense - governmental activities	$ 1,798,063
Business-type activities	
Water	$ 1,246,992
Sewer	1,069,105
Total depreciation expense - business-type activities	$ 2,316,097

NOTE 4 - INTERFUND RECEIVABLES, PAYABLES AND TRANSFERS

The composition of interfund balances as of December 31, 2022 is as follows:

Receivable Fund	Amount	Payable Fund	Amount
General fund	$ 72,130	Water fund	$ 9,850
		Sewer fund	32,137
		Paramedic fund	30,143
			$ 72,130

The outstanding balances between funds result mainly from the accrued payroll. The payroll is calculated in the general fund, and the other funds reimburse. The general fund expects to collect in the subsequent year.

	Transfer In				
Transfer Out	General Fund	Paramedic Fund	Nonmajor funds	Sewer fund	Water fund
General fund	$ -	$ -	$ 372,600	$ -	$ -
Capital projects fund	181,000	60,300	-	38,000	10,500
Paramedic fund	100,000	-	-	-	-
	$ 281,000	$ 60,300	$ 372,600	$ 38,000	$ 10,500

Transfers are used to 1) move funds for purchase of capital outlay 2) payment for bond principal and interest 3) reimbursement for expenditures incurred or 2) move unrestricted general fund revenues to finance various programs that the government must account for in other funds in accordance with budgetary authorizations.

NOTE 5 - LONG-TERM OBLIGATIONS

General Obligation Bonds

The government issues general obligation bonds to provide funds for the acquisition and construction of major capital facilities. General obligation bonds have been issued for both governmental and business-type activities.

Purpose	Interest Rate	Amount
Governmental activities	4.00%	$ 4,725,000
Business-type activities	2.00% - 2.31%	1,955,000
		$ 6,680,000

General obligation bonds are direct obligations and pledge the full faith and credit of the government. These bonds are issued as 15-year, 20-year, or 30-year serial bonds with differing amounts of principal maturing each year.

NOTE 5 - LONG-TERM OBLIGATIONS (continued)

General Obligation Bonds (continued)

Annual debt service requirements to maturity for general obligation bonds are as follows:

Year Ending December 31	Governmental Activities		Business-type Activities	
	Principal	Interest	Principal	Interest
2023	$ 175,000	$ 185,500	$ 945,000	$ 33,548
2024	175,000	178,500	485,000	17,729
2025	175,000	171,500	525,000	6,064
2026	175,000	164,500	-	-
2027	270,000	155,600	-	-
2028 - 2032	1,620,000	600,000	-	-
2033 - 2037	2,135,000	220,100	-	-
	$ 4,725,000	$ 1,675,700	$ 1,955,000	$ 57,341

Notes from Direct Borrowings and Direct Placements

The government is assessed for drains at large by Eaton County. The assessment covers the Township's share of installation and flowage rights for the drains.

The general assessment and note payable outstanding at year end are as follows:

Purpose	Interest Rate	Amount
Governmental activities	3.25% - 4.25%	$ 456,012
Business type activities	3.25%	66,696
		$ 522,708

The government entered into a leasing agreement for medical equipment. The lease agreement calls for annual payments of $208,570 over a 10-year period.

Purpose	Implied Interest Rate	Amount
Governmental activities	1.75%	$ 1,722,891

NOTE 5 - LONG-TERM OBLIGATIONS (continued)

Notes from Direct Borrowings and Direct Placements (continued)

The government was approved for a note up to $82,725,000 through the Clean Water State Revolving Fund for the renovations of the wastewater treatment plan. The repayment terms are over 20 years with principal repayments starting no later than January 1, 2026. As of December 31, 2022 the Township was in the construction process and the repayment schedule had not been established and not included in the debt service requirement table below.

Purpose	Interest Rate	Amount
Business type activities	1.875%	$ 15,112,700

Installment notes and general assessment debt service requirements are as follows:

Year Ending December 31	Governmental Activities		Business-type Activities	
	Principal	Interest	Principal	Interest
2023	$ 288,900	$ 48,342	$ 22,233	$ 3,502
2024	292,023	41,347	22,233	2,334
2025	295,200	34,325	22,230	1,171
2026	214,834	27,206	-	-
2027	218,126	22,624	-	-
2028 - 2031	869,820	44,679	-	-
	$ 2,178,903	$ 218,523	$ 66,696	$ 7,007

NOTE 5 - LONG-TERM OBLIGATIONS (continued)

Changes in Long-Term Liabilities

Long-term liability activity for the year ended December 31, 2022, was as follows:

	Beginning Balance	Additions	Reductions	Ending Balance	Due Within One Year
GOVERNMENTAL ACTIVITIES					
General obligation bonds					
General obligation bonds	$ 4,905,000	$ -	$ (180,000)	$ 4,725,000	$ 175,000
Bond premium	676,772	-	(42,298)	634,474	42,298
Total general obligation bonds	5,581,772	-	(222,298)	5,359,474	217,298
Notes from direct borrowings and direct placements					
Lease obligations	-	1,898,242	(175,351)	1,722,891	178,419
General assessment payable	566,493	-	(110,481)	456,012	110,481
Total notes from direct borrowings and direct placements	566,493	1,898,242	(285,832)	2,178,903	288,900
Compensated absences	1,079,061	-	(224,481)	854,580	716,789
	$ 7,227,326	$ 1,898,242	$ (732,611)	$ 8,392,957	$ 1,222,987
BUSINESS-TYPE ACTIVITIES					
General obligation bonds					
General obligation bonds	$ 2,910,000	$ -	$ (955,000)	$ 1,955,000	$ 945,000
Bond discount	(12,487)	-	3,122	(9,365)	-
Total general obligation bonds	2,897,513	-	(951,878)	1,945,635	945,000
Notes from direct borrowings and direct placements					
Long-term note payable	-	15,112,700	-	15,112,700	-
Other long-term debt	88,930	-	(22,234)	66,696	22,233
Total notes from direct borrowings and direct placements	88,930	15,112,700	(22,234)	15,179,396	22,233
Compensated absences	509,802	-	(92,528)	417,274	186,757
	$ 3,496,245	$ 15,112,700	$ (1,066,640)	$ 17,542,305	$ 1,153,990

The Township's outstanding notes from direct borrowings and direct placements related to governmental activities of $2,178,903 and business-type activities of $15,179,396 contains provisions that in the event of default, (1) unable to make principal or interest payments (2) false or misrepresentation is made to the lender (3) become insolvent or make an assignment for the benefit of its creditors (4) if the lender at any time in good faith believes that the prospect of payment of any indebtedness is impaired. Upon the occurrence of any default event, the outstanding amounts, including interest may become immediately due and payable. In relation to the general assessments, the County could withhold tax settlement payments to ensure the principal and interest payments are made.

NOTE 6 - PENSION PLANS

Money Purchase Retirement Plan

The Charter Township of Delta has a Money Purchase Retirement Plan which was established on January 1, 1971. This defined contribution plan covers all full-time, non-union employees and elected officials who have attained the age of 18 years. In a defined contribution plan, benefits depend solely on amounts contributed to the Plan plus results of investments transactions. The Plan assets are invested by MISSIONSQUARE Retirement Corporation who is the trustee of the Plan. The Township acts as a public plan sponsor for the retirement plan. Partial vesting occurs after 3 years of service at 20% and increases 20% per year until full vesting occurs at 7 years of service. The Township contributes 12.5% of the employees' base annual compensation, based on the contribution provisions set up in the plan and trust agreement. The Township's total payroll was $10,864,863 in 2022. The base salary amounted to $6,165,564. The Township made the required contributions of $770,695. No significant employee contributions were made. Plan provisions and contribution requirements are established and may be amended by the Township.

Deferred Compensation Plan

The Township offers its employees a deferred compensation plan created in accordance with Internal Revenue Code Section 457. The Plan, which is available to all Township employees, permits them to defer a portion of their salary until future years. Participation in the Plan is optional. The deferred compensation is not available to employees until termination, retirement, death, or unforeseeable emergency.

The Plan assets are held in trust for the exclusive benefit of participating employees and are not assessable by the government or its creditors.

Defined Benefit Plan

Plan Description

The Township and its firefighter's union elected to place the full-time firefighters into the Municipal Employees' Retirement System (MERS) of Michigan. The employer's defined benefit pension plan provides certain retirement, disability, and death benefits to plan members and beneficiaries. MERS is an agent multiple-employer, statewide public employee pension plan established by the Michigan Legislature under Public Act 135 of 1945 and administered by a nine-member Retirement Board. MERS issues a publicly available financial report that includes financial statements and required supplementary information. This report may be obtained accessing the MERS website at www.mersofmich.com.

NOTE 6 - PENSION PLANS (continued)

Defined Benefit Plan (continued)

Benefits Provided

	2021 Valuation
Benefit Multiplier	Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 2.00% Multiplier (no max)
Bridged Benefit Date	6/30/2015
Normal Retirement Age	60
Vesting	10 years
Early Retirement (Unreduced)	50/25
Early Retirement (Reduced)	55/15
Final Average Compensation	3 years
COLA for Future Retirees	2.50% (Non-Compound) before 1/1/2021, 0.00% after 1/1/2021
Member Contributions	10.00%
Act 88	No

Employees Covered by Benefit Terms

At the December 31, 2021 valuation date, the following employees were covered by the benefit terms:

Inactive employees or beneficiaries currently receiving benefits	25
Inactive employees entitled to but not yet receiving benefits	25
Active employees	36
	86

Contributions

The employer is required to contribute amounts at least equal to the actuarially determined rate, as established by the MERS Retirement Board. The actuarially determined rate is the estimated amount necessary to finance the cost of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. The employer may establish contribution rates to be paid by its covered employees.

Employer contributions was 18.66% based on annual payroll for open divisions. At year end, the Township is current on all required pension plan payments. Amounts accrued at year end for accounting purposes was approximately $29,932. These amounts represent current payments for December paid in January.

Net Pension Liability

The employer's net pension liability was measured as of December 31, 2021, and the total pension liability used to calculate the net pension liability was determined by an annual actuarial valuation as of that date.

NOTE 6 - PENSION PLANS (continued)

Actuarial Assumptions

The total pension liability in the December 31, 2021 annual actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation: 2.5%

Salary Increases: 3.0% plus merit and longevity, 3.00% in the long-term.

Investment Rate of Return: 7.00%, net of investment expense, including inflation.

Although no specific price inflation assumptions are needed for the valuation, the 2.5% long-term wage inflation assumption would be consistent with a price inflation of 3% - 4%.

Mortality rates used were based on a version of Pub-2010 and fully generational MP-2019.

The actuarial assumptions used in valuation were based on the results of the most recent actuarial experience study of 2014-2018.

The long-term expected rate of return on pension plan investments was determined using a model method in which the best-estimate ranges of expected future real rates of return (expected returns, net of investment and administrative expenses and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighing the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

Asset Class	Target Allocation	Total Allocation Gross Rate of Return	Long-term Expected Real Rate of Return
Global Equity	60.00%	4.50%	2.70%
Global Fixed Income	20.00%	2.00%	0.40%
Private Investments	20.00%	7.00%	1.40%
	100.00%		4.50%
Inflation			2.50%
Administrative expense netted above			0.25%
Investment rate of return			7.25%

Change in Assumptions

The change in assumptions since the prior valuation consists of a new experience study was completed, which made changes to the economic and demographic assumptions.

NOTE 6 - PENSION PLANS (continued)

Discount Rate

The discount rate used to measure the total pension liability is 7.25%. The current discount rate shown for GASB 68 purposes is higher than the MERS assumed rate of return. This is because, for GASB 68 purposes, the discount rate must be gross of administrative expenses, whereas for funding purposes, it is net of administrative expenses. The projection of cash flows used to determine the discount rate assumes that employer and employee contributions will be made at the rates agreed upon for employees and the actuarially determined rates for employers. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to pay all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Changes in Net Pension Liability

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a)-(b)
Balances at 12/31/2020	$ 19,435,140	$ 14,307,794	$ 5,127,346
Changes for the year			
Service Cost	380,329	-	380,329
Interest on total pension liability	1,454,967	-	1,454,967
Changes in benefits	(781,324)	-	(781,324)
Difference between expected and actual experience	108,391	-	108,391
Changes of assumptions	906,568	-	906,568
Employer contributions	-	564,814	(564,814)
Employee contributions	-	409,928	(409,928)
Net investment income	-	1,937,329	(1,937,329)
Benefit payments including employee refunds	(961,998)	(961,998)	-
Administrative expense	-	(22,923)	22,923
Net changes	1,106,933	1,927,150	(820,217)
Balances as of 12/31/2021	$ 20,542,073	$ 16,234,944	$ 4,307,129

NOTE 6 - PENSION PLANS (continued)

Sensitivity of the Net Pension Liability to Changes in the Discount Rate

The following presents the net pension liability of the employer, calculated using the discount rate of 7.25%, as well as what the employer's net pension liability would be using a discount rate that is 1 percentage point lower (6.25%) or 1% higher (7.25%) than the current rate.

	1% Decrease	Current Discount Rate	1% Increase
Net pension liability at 12/31/2021	$ -	$ 4,307,129	$ -
Change in net pension liability (NPL)	2,795,293	-	(2,244,107)
Calculated NPL	$ 7,102,422	$ 4,307,129	$ 2,063,022

Pension Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

For the year ended December 31, 2022 the employer recognized pension benefit of $387,112. The employer reported deferred outflows and inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences in experiences	$ 444,593	$ 35,938
Differences in assumptions	1,580,252	-
Excess (deficit) investment returns	1,745,153	-
Contributions subsequent to the measurement date*	610,994	-
	$ 4,380,992	$ 35,938

* The amount reported as deferred outflows of resources resulting from contributions subsequent to the measurement date will be recognized as a reduction in the net pension liability for the year ending 2023.

Amounts reported as deferred outflows and inflows of resources related to pensions will be recognized in pension expense as follows:

Year End December 31,	
2023	$ 1,292,378
2024	1,038,706
2025	874,795
2026	528,181
	$ 3,734,060

NOTE 7 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (OPEB)

Plan Description

In addition to the pension benefits and deferred compensation plan described in Note 6, the Township also sponsors the Delta Township Retiree Health Care Plan (the "Plan"). Based on the Plan, the Township is required to have an actuarial calculation every two years. The information provided is the results of the most recent actuarial valuation as of December 31, 2022, with a measurement date of December 31, 2022.

Plan Administration

The Plan provides other postemployment benefits (OPEB) for all of its full-time employees through a single-employer defined benefit plan. The purpose of the Plan is to provide health care benefits to all employees who retire from the Township with a minimum 10 years of service based on the schedule of shared participation rates. The Plan is held with MISSIONSQUARE and is maintained as a trust fund in the Charter Township of Delta's financial statements.

The management of the Plan is vested in the Township Board of Trustees, which consists of seven members. The trustees have authorized township administration to oversee the operations of the trust.

The Charter Township of Delta and the Delta Township District Library both contribute to the Plan. Delta Township District Library is considered a non-employer contributing entity which is legally required to make their share of contributions to the Plan based on an actuarial valuation.

Benefits Provided

The Plan is to provide health care benefits to retirees. Benefits are provided through a third-party insurer, and the cost of benefits is determined by the schedule of shared participation rates, which the Plan covers the Township portion while the member is liability for the remaining. The Township Board of Trustees has the authority to establish and amend benefit provisions.

Plan Membership

At December 31, 2022, the Plan membership consisted of the following:

Inactive plan members or beneficiaries currently receiving benefit payments	48
Inactive plan members entitled to but not yet receiving benefit payments	4
Active plan members	124
Total	176

Contributions

The contribution requirements of plan members and the Township are established and may be amended by the Township. Retirees receiving benefits contribute to the cost of the premiums based on the number of years of service. The Township's share of costs ranges from 25% for those employees with 10 years of service to 100% for those with 25 years of service. The Township is also required to contribute at a rate that is based on an actuarial valuation that is prepared in accordance within certain parameters, in addition to a pay-as-you-go basis for retiree health care cost. The current rate is 3.58% of annual covered payroll. The Township contributed $396,712 for their portion of shared costs with retiree's premiums. Delta Township District Library was not required to contribute for their portion of shared costs with retiree's premiums.

NOTE 7 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (OPEB) (continued)

Net OPEB Liability

The Township's net OPEB liability was measured as of December 31, 2021, and the total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation as of December 31, 2022, with a measurement date of December 31, 2022.

Actuarial assumptions. The total OPEB liability was determined by an actuarial valuation as of December 31, 2022, with a measurement date of December 31, 2022, using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified.

Inflation	Included in investment return
Salary increases	3.0%, average, including inflation
Investment rate of return	4.19%, net of OPEB plan investment expense, including inflation
Healthcare cost trend rates	Pre 65 - 7.25% graded 0.25% to 4.50% per annum
	Medicare eligible - 5.5% graded 0.25% to 4.50% per annum

Mortality rates were based on the Public General and Public Safety 2010 Employee and Healthy Retiree, Headcount weighted, MP-2021 improvement scale.

Investments

Investment Policy

The Plan's policy in regard to the allocation of invested assets is established and may be amended by the Plan's board by a majority vote of its members. It is the policy of the Plan's board to pursue an investment strategy that reduces risk through the prudent diversification of the portfolio across a broad selection of distinct asset classes. The Plan's investment policy discourages the use of cash equivalents, except for liquidity purposes, and aims to refrain from dramatically shifting asset class allocations over short time spans. The following was the Board's adopted asset allocation policy as of December 31, 2022:

Asset Class	Target Allocation
Cash	9.2%
Fixed income	51.4%
Large cap	23.7%
Mid cap	3.8%
Small cap	0.9%
International stock	7.5%
Multi-asset	3.5%

NOTE 7 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (OPEB) (continued)

Investments (continued)

The long-term expected rate of return on OPEB plan investments was determined using a building-block method in which best-estimate rages of expected future real rates of return (expected returns, net of investment expense and inflation) are developed for each asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the target asset allocation as of December 31, 2022 are summarized in the following table:

Asset Class	Long-term Expected Real Rate of Return
Cash	1.80%
Fixed income	1.87%
Large cap	7.30%
Mid cap	9.80%
Small cap	9.10%
International stock	8.04%
Multi-asset	7.80%

Rate of Return

For the year ended December 31, 2022, the annual money-weighted rate of return on investments, net of investment expense, was a loss of 12.2%. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Discount Rate

The discount rate used to measure the total OPEB liability was 4.19%. The projection of cash flows used to determine the discount rate assumed that Township contributions will be made at rates equal to the actuarially determined contribution rates. Based on those assumptions, the OPEB plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on OPEB plan investments was applied to all periods of projected benefit payments to determine the total OPEB liability.

Annual OPEB Cost and Net OPEB Liability of the Township and Library

Funding Progress. For the year ended December 31, 2022 the Township has estimated the cost of providing retiree health care benefits through an actuarial valuation as of December 31, 2022, with a measurement date of December 31, 2022. The valuation computes an annual required contribution, which represents a level of funding that, if paid on an ongoing basis, is projected to cover normal cost each year and amortize any unfunded actuarial liabilities over a period not to exceed 30 years. Based on that valuation, the Township contributed $706,712 and the Library contributed $15,000 for the year ended December 31, 2022, which represents 109.3% of the annual required contribution. The value of the Plan's assets at the end of December 31, 2022 was $17,100,857.

NOTE 7 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (OPEB) (continued)

Changes in the Net OPEB Liability

	Increase (Decrease)		
	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	Net OPEB Liability (a) - (b)
Balances at December 31, 2021	$ 20,867,944	$ 18,982,192	$ 1,885,752
Changes for the year			
Service cost	467,244	-	467,244
Interest	733,448	-	733,448
Difference between expected and actual experience	1,701,348	-	1,701,348
Change in actuarial assumptions	(2,896,064)	-	(2,896,064)
Contributions - employer	-	706,712	(706,712)
Contributions - nonemployer	-	15,000	(15,000)
Net investment income (loss)	-	(2,206,335)	2,206,335
Benefit payments	(396,712)	(396,712)	-
Net changes	(390,736)	(1,881,335)	1,490,599
Balances at December 31, 2022	$ 20,477,208	$ 17,100,857	$ 3,376,351

The components of the net OPEB liability of the Township at December 31, 2022, were as follows:

	Township	Library	Plan Total
Total OPEB liability	$ 19,997,675	$ 479,533	$ 20,477,208
Plan fiduciary net position	(16,550,774)	(550,083)	(17,100,857)
Net OPEB liability (asset)	$ 3,446,901	$ (70,550)	$ 3,376,351
Plan fiduciary net position as a percentage of the total OPEB liability			83.5%

Sensitivity of the Net OPEB Liability to Changes in the Discount Rate

The following presents the net OPEB liability of the Township, as well as what the Township's net OPEB liability would be if it were calculated using a discount rate that is 1 percentage point lower (3.19%) or 1 percentage point higher (5.19%). That the current discount rate:

	1% Decrease	Discount Rate	1% Increase
Net OPEB liability	$ 6,956,301	$ 3,376,351	$ 532,648

NOTE 7 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (OPEB) (continued)

Changes in the Net OPEB Liability (continued)

Sensitivity of the Net OPEB Liability to Changes in the Healthcare Cost Trend Rates

The following presents the net OPEB liability of the Township, as well as the Township's net OPEB liability would be if it were calculated using healthcare cost trend rates that are 1 percentage point lower (3.5%) or 1 percentage point higher (5.5%) than the current healthcare cost trend rates:

	1% Decrease	Healthcare Cost Trend Rates	1% Increase
Net OPEB liability	$ 249,355	$ 3,376,351	$ 7,416,082

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the year ended December 31, 2022, the Township recognized OPEB expense of $945,827. At December 31, 2022, the Township reported deferred outflows of resources and deferred inflows of resources related to OPEB form the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Difference between expected and actual experience	$ 1,547,661	$ 5,969,142
Changes of assumptions	5,820,137	2,670,820
Net difference between projected and actual earnings on OPEB plan investments	1,872,933	-
	$ 9,240,731	$ 8,639,962

Amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Year Ended December 31,	
2023	$ 91,106
2024	212,372
2025	158,992
2026	459,544
2027	(46,720)
Thereafter	(274,524)

NOTE 7 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (OPEB) (continued)

Payable to the OPEB Plan

At December 31, 2022, the Township did not have an outstanding amount of contributions to the Plan required for the year ended December 31, 2022.

Change in Assumptions

The change in assumptions since the prior valuation consist of updating the medical trend rate and increasing the discount rate from 3.47% to 4.31%.

NOTE 8 - LIMITED OBLIGATION BONDS - ECONOMIC DEVELOPMENT CORPORATION

The Corporation acts as a liaison between companies seeking financing and financial institutions in an effort to further the economic development of the Township. In performing this function, the corporation becomes a party in the financing agreements. The resulting debt of the developer is serviced directly by the financial institution. Under the bond agreements, the liability of the corporation upon the default of the debtor, is limited to the underlying value of the property. Under these arrangements, the corporation has no additional responsibility of repayment.

At December 31, 2022, there was no outstanding value of the long-term financing bonds receivable and bonds payable incurred in the aforementioned manner.

NOTE 9 - COMMITMENTS AND CONTINGENCIES

The Township and its component units are exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. The Township and its component units carry commercial insurance to cover any losses that may result from the above described activities. No settlements have incurred in excess of coverage in 2022 or any of the prior three years.

There are various claims and legal actions pending against the Township, many of which are either partially or fully covered by insurance. The Township is defending against these actions. In the opinion of Township management, the ultimate amount of loss, if any, resulting from these claims and legal actions is not determinable at the time of the release of the Township's financial statements.

NOTE 10 - BUILDING DEPARTMENT

The Township records the results of building department operations in the general fund. In accordance with Michigan Public Act 245 of 1999, the Township is required to maintain an accounting system that separately accumulates revenues and expenditures related to the building department function. For the year ended December 31, 2022 building department revenues were $1,971,642 and expenditures were $840,152. The cumulative effect since January 1, 2000, the effective date of Michigan Public Act 245 of 1999, are revenues in excess of expenditures in the amount of $120,521.

NOTE 11 - TAX ABATEMENTS

The Township entered into property tax abatement agreements with local businesses under the Plant Rehabilitation and Industrial Development Districts Act, (known as the Industrial Facilities Exemption) PA 198 of 1974, as amended, provides a tax incentive to manufacturers to enable renovation and expansion of aging facilities, assist in the building of new facilities, and to promote the establishment of high-tech facilities. An Industrial Facilities Tax Exemption (IFT) certificate entitles the facility to exemption from ad valorem real and/or personal property taxes for a term of 1-12 years as determined by the local unit of government. The IFT on new plant and new industrial property is computed at 50% of the taxes levied. The Township can elect to freeze the taxable values for rehabilitation properties.

For the year ended December 31, 2022, the Township abated property tax revenue for general operations and emergency services totaling $49,335 under this program. The Township can recoup the taxes abated if the terms of the contract are not met.

NOTE 12 - CHANGE IN ACCOUNTING PRINCIPLE

For the year ended December 31, 2022, the Township implemented the following new pronouncements: GASB Statement No. 87, *Leases* and GASB Statement No. 96*, Subscription Based Information Technology Arrangements.*

Summary:

Governmental Accounting Standards Board (GASB) Statement No. 87, *Leases*, was issued in June 2017. The objective of this Statement is to increase the usefulness of governments' financial statements by requiring recognition of certain lease assets and liabilities for leases that previously were classified as operating leases and recognized as inflows of resources or outflows of resources based on the payment provisions of the contract. It establishes a single model for lease accounting based on the foundational principle that leases are financings of the right to use the underlying asset. Under this Statement, a lessee is required to recognize a lease liability and an intangible right-to-use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources, thereby enhancing the relevance and consistency of information about governments' leasing activities.

Governmental Accounting Standards Board (GASB) Statement No. 96, *Subscription-based Information Technology Arrangements* was issued in May 2020. This Statement provides guidance on the accounting and financial reporting for subscription-based information technology arrangements (SBITAs) for government end users (governments). This Statement (1) defines a SBITA; (2) establishes that a SBITA results in a right-to-use subscription asset - an intangible asset - and a corresponding subscription liability; (3) provides the capitalization criteria for outlays other than subscription payments, including implementation costs of a SBITA; and (4) requires note disclosures regarding a SBITA. To the extent relevant, the standards for SBITAs are based on the standards established in Statement No. 87, *Leases,* as amended.

NOTE 12 - CHANGE IN ACCOUNTING PRINCIPLE (continued)

The restatement of the beginning of year had no impact on net position. There was no impact with the adoption of GASB 96. The change in lease receivable and unavailable revenue is as follows:

	Governmental Activities	
	Lease Receivable	Unavailable Revenue - Leases
Balance as of January 1, 2022, as previously stated	$ -	$ -
Adoption of GASB Statement 87	4,932,778	4,932,778
Balances as of January 1, 2022, as restated	$ 4,932,778	$ 4,932,778

NOTE 13 - LEASE RECEIVABLE

The Township leases a building to Delta Township District Library. The lease is for a period of 35 years and expires in 2037. During the remaining period of the lease, the Township will receive yearly payments of $423,331. The Township recognized $308,299 in lease revenue and $146,580 in interest revenue during the fiscal year related to this lease. As of December 31, 2022, the Township's receivable for lease payments was $4,757,489. Also, the Township has deferred inflow of resources associated with this lease that will be recognized as revenue over the lease term. As of December 31, 2022, the balance of the deferred inflow of resources was $4,624,479.

NOTE 14 - UPCOMING ACCOUNTING PRONOUNCEMENTS

In May 2019, the GASB issued Statement No. 91, *Conduit Debt Obligations*. This Statement will improve financial reporting by eliminating the existing option for issuers to report conduit debt obligations as their own liabilities, thereby ending significant diversity in practice. The clarified definition will resolve stakeholders' uncertainty as to whether a given financing is, in fact, a conduit debt obligation. Requiring issuers to recognize liabilities associated with additional commitments extended by issuers and to recognize assets and deferred inflows of resources related to certain arrangements associated with conduit debt obligations also will eliminate diversity, thereby improving comparability in reporting by issuers. Revised disclosure requirements will provide financial statement users with better information regarding the commitments issuers extend and the likelihood that they will fulfill those commitments. That information will inform users of the potential impact of such commitments on the financial resources of issuers and help users assess issuers' roles in conduit debt obligations. The Township is currently evaluating the impact this standard will have on the financial statements when adopted during the 2023 fiscal year.

In June 2022, the GASB issued Statement No. 100, *Accounting Changes and Error Corrections - an amendment of GASB Statement No. 62*. This Statement prescribes the accounting and financial reporting for (1) each type of accounting change and (2) error corrections. This Statement requires that (a) changes in accounting principles and error corrections be reported retroactively by restating prior period, (b) changes to or within the financial reporting entity be reported by adjusting beginning balances of the current period, and (c) changes in accounting estimates be reported prospectively by recognizing the change in the current period. The Township is currently evaluating the impact this standard will have on the financial statements when adopted during the 2024 fiscal year.

NOTE 14 - UPCOMING ACCOUNTING PRONOUNCEMENTS (continued)

In June 2022, the GASB issued Statement No. 101, *Compensated Absences*. This Statement requires that liabilities for compensated absences be recognized for (1) leave that has not been used and (2) leave that has been used but not yet paid in cash or settled through noncash means. A liability should be recognized for leave that has not been used if (a) the leave is attributable to services already rendered, (b) the leave accumulates, and (c) the leave is more likely than not to be used for time off or otherwise paid in cash or settled through noncash means. This Statement also establishes guidance for measuring a liability for leave that has not been used, generally using an employee's pay rate as of the date of the financial statements. The Township is currently evaluating the impact this standard will have on the financial statements when adopted during the 2025 fiscal year.

REQUIRED SUPPLEMENTARY INFORMATION

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
BUDGETARY COMPARISON SCHEDULE
GENERAL FUND
YEAR ENDED DECEMBER 31, 2022

	Original Budget	Final Budget	Actual	Variance with Final Budget
REVENUES				
Taxes	$ 9,519,700	$ 9,519,700	$ 9,567,825	$ 48,125
Licenses and permits	1,968,100	1,968,100	2,545,345	577,245
Charges for services	1,292,400	1,159,868	962,178	(197,690)
Investment earnings (loss) - net	60,500	60,500	(55,608)	(116,108)
Rental income	71,200	443,800	412,065	(31,735)
Local contributions	717,600	717,600	723,350	5,750
Other	42,000	42,000	828,438	786,438
State shared revenue	3,202,000	3,202,000	3,750,852	548,852
State and federal grants	562,500	562,500	74,998	(487,502)
TOTAL REVENUES	17,436,000	17,676,068	18,809,443	1,133,375
EXPENDITURES				
Current				
General government				
Legislative - trustees	108,400	108,400	99,862	8,538
Manager	770,600	770,600	592,851	177,749
Assessing	485,800	485,800	455,230	30,570
Clerk	701,600	701,600	661,819	39,781
Treasurer	629,600	629,600	270,181	359,419
Computer	426,700	426,700	359,980	66,720
Township hall and grounds	630,000	950,000	835,178	114,822
General service administration	646,500	668,500	595,578	72,922
Cemetery	299,900	312,900	302,411	10,489
Total general government	4,699,100	5,054,100	4,173,090	881,010
Public safety				
Law enforcement - police	3,863,900	3,925,900	3,909,383	16,517
Fire	4,829,200	7,019,200	6,361,783	657,417
Emergency operations center	35,400	35,400	15,321	20,079
Protective inspection	769,400	769,400	750,305	19,095
Total public safety	9,497,900	11,749,900	11,036,792	713,108

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
BUDGETARY COMPARISON SCHEDULE
GENERAL FUND
YEAR ENDED DECEMBER 31, 2022

	Original Budget	Final Budget	Actual	Variance with Final Budget
EXPENDITURES (continued)				
Current				
Public works				
Recycling	$ 103,500	$ 103,500	$ 92,611	$ 10,889
Drains	224,000	224,000	55,792	168,208
Streets and highways	430,000	430,000	396,956	33,044
Engineering	524,400	605,400	600,320	5,080
Street lighting	755,800	755,800	766,692	(10,892)
Total public works	2,037,700	2,118,700	1,912,371	206,329
Community and economic development				
Planning	437,800	437,800	354,942	82,858
Economic development	124,800	124,800	37,463	87,337
Total community and economic development	562,600	562,600	392,405	170,195
Culture and recreation				
Parks and recreation	3,092,700	2,504,700	2,115,851	388,849
Debt service	-	-	341,102	(341,102)
TOTAL EXPENDITURES	19,890,000	21,990,000	19,971,611	2,018,389
OTHER FINANCING SOURCES (USES)				
Proceeds from lease	-	2,100,000	1,898,242	(201,758)
Transfers in	1,061,000	1,061,000	281,000	(780,000)
Transfers out	(146,500)	(372,600)	(372,600)	-
TOTAL OTHER FINANCING SOURCES (USES)	914,500	2,788,400	1,806,642	(981,758)
Net change in fund balance	$ (1,539,500)	$ (1,525,532)	644,474	$ 2,170,006
FUND BALANCE				
Beginning of year			20,351,982	
End of year			$ 20,996,456	

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
BUDGETARY COMPARISON SCHEDULE
PARAMEDIC SPECIAL REVENUE FUND
YEAR ENDED DECEMBER 31, 2022

	Original Budget	Final Budget	Actual	Variance with Final Budget
REVENUES				
Taxes and special assessments	$ 1,567,300	$ 1,567,300	$ 1,626,935	$ 59,635
Charges for services	1,600,000	1,600,000	1,607,414	7,414
TOTAL REVENUES	3,167,300	3,167,300	3,227,402	60,102
EXPENDITURES				
Current				
Health and welfare	4,183,600	4,183,600	3,139,771	1,043,829
Excess of revenues over (under) expenditures	(1,016,300)	(1,016,300)	87,631	1,103,931
OTHER FINANCING SOURCES (USES)				
Proceeds from sale of capital assets	300,000	300,000	-	(300,000)
Transfers in	-	-	60,300	60,300
Transfers out	-	(100,000)	(100,000)	-
TOTAL OTHER FINANCING SOURCES (USES)	300,000	200,000	(39,700)	(239,700)
Net change in fund balance	$ (716,300)	$ (816,300)	47,931	$ 864,231
FUND BALANCE, beginning of year			2,373,319	
FUND BALANCE, end of year			$ 2,421,250	

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULE OF CHANGES IN EMPLOYER'S NET PENSION LIABILITY AND RELATED RATIOS FOR THE MERS RETIREMENT PLAN
LAST EIGHT FISCAL YEARS

	2021	2020	2019	2018	2017	2016	2015	2014
Total pension liability								
Service cost	$ 380,329	$ 378,172	$ 385,443	$ 348,446	$ 367,324	$ 337,096	$ 502,823	$ 495,489
Interest	1,454,967	1,325,365	1,193,223	1,187,982	1,119,952	1,079,816	1,125,219	1,048,403
Changes of benefit terms	(781,324)	56,314	(81,574)	(50,418)	(9,731)	2,091	(1,854,686)	-
Difference between expected and actual experience	108,391	151,001	415,810	93,195	63,846	(251,569)	54,919	-
Changes of assumptions	906,568	779,744	670,337	-	-	-	790,245	-
Benefit payments including employee refunds	(961,998)	(1,010,753)	(796,643)	(697,703)	(665,451)	(696,263)	(657,682)	(575,223)
Other	-	-	62,801	-	-	-	-	-
Net change in total pension liability	1,106,933	1,679,843	1,849,397	881,502	875,940	471,171	(39,162)	968,669
Total pension liability beginning	19,435,140	17,755,297	15,905,900	15,024,398	14,148,458	13,677,287	13,716,449	12,747,780
Total pension liability ending	$ 20,542,073	$ 19,435,140	$ 17,755,297	$ 15,905,900	$ 15,024,398	$ 14,148,458	$ 13,677,287	$ 13,716,449
Plan fiduciary net position								
Contributions-employer	$ 564,814	$ 334,949	$ 289,075	$ 284,469	$ 248,714	$ 258,411	$ 1,215,567	$ 203,339
Contributions-employee	409,928	336,758	291,053	284,413	248,038	257,166	416,946	498,207
Net investment income	1,937,329	1,792,939	1,565,416	(479,010)	1,444,479	1,135,253	(174,811)	544,848
Benefit payments including employee refunds	(961,998)	(1,010,753)	(796,643)	(697,703)	(665,451)	(696,263)	(657,682)	(575,223)
Administrative expense	(22,923)	(25,703)	(26,975)	(23,653)	(22,862)	(22,401)	(21,520)	(20,098)
Net change in plan fiduciary net position	1,927,150	1,428,190	1,321,926	(631,484)	1,252,918	932,166	778,500	651,073
Plan fiduciary net position beginning	14,307,794	12,879,604	11,557,678	12,189,162	10,936,244	10,004,078	9,225,578	8,574,505
Plan fiduciary net position ending	$ 16,234,944	$ 14,307,794	$ 12,879,604	$ 11,557,678	$ 12,189,162	$ 10,936,244	$ 10,004,078	$ 9,225,578
Employer net pension liability	$ 4,307,129	$ 5,127,346	$ 4,875,693	$ 4,348,222	$ 2,835,236	$ 3,212,214	$ 3,673,209	$ 4,490,871
Plan fiduciary net position as a percentage of the total pension liability	79.03%	73.62%	72.54%	72.66%	81.13%	77.30%	73.14%	67.26%
Covered payroll	$ 2,802,719	$ 2,714,802	$ 2,723,977	$ 2,828,986	$ 2,698,925	$ 2,475,005	$ 2,359,565	$ 2,325,150
Employer's net pension liability as a percentage of covered payroll	153.68%	188.87%	178.99%	153.70%	105.05%	129.79%	155.67%	193.14%

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten-year trend is compiled, reporting units should present information for those years for which information is available.

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULE OF EMPLOYER CONTRIBUTIONS
FOR THE MERS RETIREMENT PLAN

	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarial Determined Contributions	$ 610,994	$ 542,796	$ 321,536	$ 289,075	$ 284,469	$ 248,714	$ 258,411	$ 215,567	$ 203,339
Contributions in relation to the actuarially determined contribution	610,994	542,796	321,536	289,075	284,469	248,714	258,411	1,215,567	203,339
Contribution deficiency (excess)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,000,000)	$ -
Covered payroll	$ 3,287,586	$ 2,802,719	$ 2,714,802	$ 2,723,977	$ 2,828,986	$ 2,698,925	$ 2,475,005	$ 2,359,565	$ 2,325,150
Contributions as a percentage of covered payroll	19%	19%	12%	11%	10%	9%	10%	52%	9%

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten-year trend is compiled, reporting units should present information for those years for which information is available.

CHARTER TOWNSHIP OF DELTA
NOTES TO THE REQUIRED
SUPPLEMENTARY INFORMATION
FOR THE MERS RETIREMENT PLAN

NOTE 1 - SCHEDULE OF CHANGES IN EMPLOYER'S NET PENSION LIABILITY AND RELATED RATIOS

Benefit Changes - There were no benefit changes.

Changes of Assumptions - A five-year experience study analyzing historical experience from 2013 through 2018 was completed in February 2020. In addition to changes to the economic assumptions which took effect with the fiscal year 2021 contribution rates, the experience study recommended updated demographic assumptions, including adjustments to the following actuarial assumptions: mortality, retirement, disability, and termination rates. Changes to the demographic assumptions resulting from the experience study have been approved by the MERS Retirement Board and are effective beginning with the December 31, 2021, actuarial valuation, first impacting 2022 contributions. A complete description of the assumptions may be found in the Appendix to the valuation.

NOTE 2 - SCHEDULE OF EMPLOYER CONTRIBUTIONS

Actuarial cost method	Entry Age
Amortization method	Level percentage of payroll, open
Remaining amortization period	17 years
Asset valuation method	5 year smoothed
Inflation	2.5%
Salary Increases	3.00%
Investment rate of return	7.00%
Retirement age	Varies depending on plan adoption
Mortality	50% Female/50% Male RP-2014 Group Annuity Mortality Table

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
OTHER POSTEMPLOYMENT BENEFIT PLAN
SCHEDULE OF CHANGES IN THE NET OPEB LIABILITY
AND RELATED RATIOS FOR THE LAST SIX YEARS

	2022	2021	2020	2019	2018	2017
Total OPEB liability						
Service cost	$ 467,244	$ 476,251	$ 259,970	$ 297,964	$ 224,566	$ 239,038
Interest	733,448	748,746	1,231,603	1,134,897	1,291,315	1,237,804
Difference between expected and actual experience	1,701,348	(74,070)	(5,885,625)	(137,607)	(5,519,610)	(325,249)
Changes of assumptions	(2,896,064)	283,209	7,823,916	(297,575)	2,379,358	-
Benefit payments including employee refunds	(396,712)	(327,103)	(376,625)	(409,735)	(386,561)	(382,435)
Other	-	-	-	-	(9)	-
Net change in total OPEB liability	(390,736)	1,107,033	3,053,239	587,944	(2,010,941)	769,158
Total OPEB liability beginning	20,867,944	19,760,911	16,707,672	16,119,728	18,130,669	17,361,511
Total OPEB liability ending	$ 20,477,208	$ 20,867,944	$ 19,760,911	$ 16,707,672	$ 16,119,728	$ 18,130,669
Plan fiduciary net position						
Contributions-employer	$ 721,712	$ 713,103	$ 756,625	$ 844,735	$ 724,561	$ 1,057,435
Contributions-nonemployer	-	-	15,000	5,900	6,000	5,900
Net investment income (loss)	(2,206,335)	1,332,932	911,565	1,596,141	(573,523)	1,190,113
Benefit payments including employee refunds	(396,712)	(327,103)	(376,625)	(409,735)	(386,561)	(382,435)
Net change in plan fiduciary net position	(1,881,335)	1,718,932	1,306,565	2,037,041	(229,523)	1,871,013
Plan fiduciary net position beginning	18,982,192	17,263,260	15,956,695	13,919,654	14,149,177	12,278,164
Plan fiduciary net position ending	$ 17,100,857	$ 18,982,192	$ 17,263,260	$ 15,956,695	$ 13,919,654	$ 14,149,177
Employer net OPEB liability	$ 3,376,351	$ 1,885,752	$ 2,497,651	$ 750,977	$ 2,200,074	$ 3,981,492
Plan fiduciary net position as a percentage of the total OPEB liability	83.51%	90.96%	87.36%	95.51%	86.35%	78.04%
Covered employee payroll	$ 9,237,725	$ 9,137,952	$ 8,657,996	$ 8,321,370	$ 8,616,985	$ 8,294,632
Employer's net OPEB liability as a percentage of covered employee payroll	36.55%	20.64%	28.85%	9.02%	25.53%	48.00%

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten-year trend is compiled, reporting units should present information for those years for which information is available.

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
OTHER POSTEMPLOYMENT BENEFIT PLAN
SCHEDULE OF EMPLOYER CONTRIBUTIONS
FOR THE LAST SIX YEARS

	2022	2021	2020	2019	2018	2017
Actuarial Determined Contributions	$ 660,581	$ 712,562	$ 373,485	$ 570,152	$ 564,940	$ 590,971
Contributions in relation to the actuarially determined contribution	721,712	713,103	771,625	850,635	730,561	1,063,335
Contribution deficiency (excess)	$ (61,131)	$ (541)	$ (398,140)	$ (280,483)	$ (165,621)	$ (472,364)
Covered Employee Payroll	$ 9,237,725	$ 9,137,952	$ 8,657,996	$ 8,321,370	$ 8,616,985	$ 8,294,632
Contributions as a percentage of covered employee payroll	7.81%	7.80%	8.91%	10.22%	8.48%	12.82%

Note - Contributions relate to contributions made by the Township and the Library.

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten-year trend is compiled, reporting units should present information for those years for which information is available.

CHARTER TOWNSHIP OF DELTA
REQUIRED SUPPLEMENTARY INFORMATION
OTHER POSTEMPLOYMENT BENEFIT PLAN
SCHEDULE OF INVESTMENT RETURNS
FOR THE LAST SIX YEARS

	2022	2021	2020	2019	2018	2017
Annual money-weighted rate of return, net of investment expense	-12.2%	7.4%	5.5%	10.7%	-4.1%	9.7%

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten-year trend is compiled, reporting units should present information for those years for which information is available.

CHARTER TOWNSHIP OF DELTA
NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION
OTHER POSTEMPLOYMENT BENEFIT PLAN

NOTE 1 - SCHEDULE OF CHANGES IN THE TOWNSHIP'S NET OPEB LIABILITY AND RELATED RATIOS

Benefit Changes - There were no benefit changes.

Changes of Assumptions - Assumption changes since prior valuation:

- Medical trend rates updated
- Discount rate increased from 3.47% to 4.31%

NOTE 2 - SCHEDULE OF THE TOWNSHIP'S CONTRIBUTIONS

Valuation Date

December 31, 2022

Methods and Assumptions Used to Determine Contributions Rates

Actuarial cost method	Entry age
Amortization method	Level dollar, closed
Amortization period	11 years
Asset valuation method	Market value
Inflation	Included in investment return
Healthcare cost trend rates	Pre 65 - 7.25% graded down by 0.25% per year to an ultimate rate of 4.5%. Medicare eligible- 5.5% graded by 0.25% per year to an ultimate rate of 4.5%.
Salary increases	3.0%, average, including inflation
Investment rate of return	4.19%, net of OPEB plan investment expense, including inflation. Blended rate based on long-term expected return and the 20-year Aa Municipal Bond rate.
20-year Municipal Bond Rate	4.31%
Retirement age	Experience based table of rates that are specific to the type of eligibility condition
Mortality	General Public 2010 Headcount weighted, annuitant and non-annuitant, sex-distinct mortality table with MP 2019 improvement table and Public Safety 2010 Employee and Healthy Retiree Headcount weighted

ADDITIONAL SUPPLEMENTARY INFORMATION

CHARTER TOWNSHIP OF DELTA
GENERAL FUND
BALANCE SHEETS
DECEMBER 31, 2022 AND 2021

	2022	2021
ASSETS		
Cash	$ 12,895,560	$ 12,389,538
Investments	11,931,914	10,089,331
Receivables		
Accounts	160,765	1,160,545
Leases	4,757,489	4,932,778
Taxes	4,724,575	4,467,754
Interest	60,027	41,382
Due from other funds	72,130	56,487
Prepaid items	2,303,208	2,526,285
TOTAL ASSETS	$ 36,905,668	$ 35,664,100
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCE		
LIABILITIES		
Accounts payable	$ 387,990	$ 472,156
Customer deposits payable	131,050	104,130
Retainage payable	5,000	219,162
Accrued salaries and related items	288,480	243,429
TOTAL LIABILITIES	812,520	1,038,877
DEFERRED INFLOWS OF RESOURCES		
Unavailable revenue - leases	4,624,479	4,932,778
Unavailable revenue - property taxes	10,472,213	9,340,463
TOTAL DEFERRED INFLOWS OF RESOURCES	15,096,692	14,273,241
FUND BALANCE		
Nonspendable		
Prepaid items	2,303,208	2,526,285
Restricted		
Budget stabilization	450,000	450,000
Assigned		
Compensated absences	965,254	965,254
Roads	1,100,000	1,100,000
Retiree health insurance	100,000	100,000
Non-motorized transportation	700,000	700,000
Economic development	500,000	500,000
Capital improvements	3,990,000	3,990,000
Subsequent year expenditures	2,022,700	1,393,000
Unassigned	8,865,294	8,627,443
TOTAL FUND BALANCE	20,996,456	20,351,982
TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCE	$ 36,905,668	$ 35,664,100

CHARTER TOWNSHIP OF DELTA
GENERAL FUND
STATEMENTS OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCE
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
REVENUES		
Taxes	$ 9,567,825	$ 9,442,511
Licenses and permits	2,545,345	3,173,776
Charges for services	962,178	932,019
Investment earnings (loss)	(55,608)	(57,623)
Rental income	412,065	78,897
Local contributions	723,350	583,070
Other	828,438	751,235
State shared revenue	3,750,852	3,345,885
State and federal grants	74,998	150,607
TOTAL REVENUES	18,809,443	18,400,377
EXPENDITURES		
Current		
General government		
Legislative - trustees	99,862	100,133
Manager	592,851	582,848
Assessing	455,230	461,222
Clerk	661,819	472,553
Treasurer	270,181	274,062
Computer	359,980	360,120
Township hall and grounds	835,178	497,565
General service administration	595,578	1,500,219
Cemetery	302,411	245,172
Total general government	4,173,090	4,493,894
Public safety		
Law enforcement - police	3,909,383	3,398,902
Fire	6,361,783	3,848,918
Emergency operations center	15,321	18,070
Protective inspection	750,305	649,392
Total public safety	11,036,792	7,915,282

CHARTER TOWNSHIP OF DELTA
GENERAL FUND
STATEMENTS OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCE
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
EXPENDITURES (continued)		
Current		
Public works		
Recycling	$ 92,611	$ 103,544
Drains	55,792	64,370
Streets and highways	396,956	529,398
Engineering	600,320	464,383
Street lighting	766,692	731,816
Total public works	1,912,371	1,893,511
Community and economic development		
Planning	354,942	372,758
Economic development	37,463	108,686
Total community and economic development	392,405	481,444
Parks and recreation	2,115,851	1,844,078
Debt service	341,102	136,430
TOTAL EXPENDITURES	19,971,611	16,764,639
OTHER FINANCING SOURCES (USES)		
Proceeds from lease	1,898,242	-
Transfers in	281,000	100,000
Transfers out	(372,600)	(146,500)
Total other financing sources (uses)	1,806,642	(46,500)
Net change in fund balance	644,474	1,589,238
FUND BALANCE		
Beginning of year	20,351,982	18,762,744
End of year	$ 20,996,456	$ 20,351,982

CHARTER TOWNSHIP OF DELTA
SCHEDULE OF GENERAL ASSESSMENT PAYABLE
DECEMBER 31, 2022

	Carrier Creek	Watson & Watson and Branches	Gettysburg	Burrell	Total
2023	$ 71,867	$ 19,450	$ 25,824	$ 11,525	$ 128,666
2024	70,144	18,600	24,922	11,134	124,800
2025	68,416	17,751	24,036	10,748	120,951
2026	-	-	23,116	10,354	33,470
2027	-	-	22,213	9,969	32,182
2028	-	-	21,311	391	21,702
2029	-	-	20,416	-	20,416
2030	-	-	19,505	-	19,505
2031	-	-	18,604	-	18,604
	210,427	55,801	199,947	54,121	520,296
Less interest	10,335	5,103	40,646	8,200	64,284
	$ 200,092	$ 50,698	$ 159,301	$ 45,921	$ 456,012

NOTE: Drains at large consists of drains installed by Eaton County Drain Commission in which the State of Michigan, homeowner, Delta Township, and the Eaton County Drain Commission share the cost of installment. Delta Township is assessed yearly for their share of the cost plus interest on the outstanding balance. Interest rates charged to the different projects range from 3.25% to 4.25%.

CHARTER TOWNSHIP OF DELTA
LEASE OBLIGATION PAYABLE
DECEMBER 31, 2022

Implied Interest Rate	Due January 27,	Principal	Interest	Total Payment Requirements
1.750%	2023	$ 178,419	$ 30,151	$ 208,570
1.750%	2024	181,542	27,028	208,570
1.750%	2025	184,719	23,851	208,570
1.750%	2026	187,951	20,619	208,570
1.750%	2027	191,240	17,330	208,570
1.750%	2028	194,587	13,983	208,570
1.750%	2029	197,992	10,578	208,570
1.750%	2030	201,458	7,112	208,570
1.750%	2031	204,983	3,587	208,570
		$ 1,722,891	$ 154,239	$ 1,877,130

NOTE: Lease obligation for medical equipment dated January 27, 2022 for a period of 10 years. Annual payments of $208,570 with an implied interest rate of 1.75%.

CHARTER TOWNSHIP OF DELTA
PARAMEDIC FUND
BALANCE SHEETS
DECEMBER 31, 2022 AND 2021

	2022	2021
ASSETS		
Cash	$ 1,020,834	$ 1,324,905
Investments	945,325	1,078,948
Prepaid items	518,817	4,774
Receivables		
Accounts	-	27,182
Taxes	1,712,697	1,640,756
Interest	4,697	4,380
TOTAL ASSETS	$ 4,202,370	$ 4,080,945
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCE		
LIABILITIES		
Accounts payable	$ 38,280	$ 46,220
Due to other funds	30,143	20,650
TOTAL LIABILITIES	68,423	66,870
DEFERRED INFLOW OF RESOURCES		
Unavailable revenue - property taxes	1,712,697	1,640,756
FUND BALANCE		
Nonspendable - prepaid items	518,817	4,774
Restricted	1,902,433	2,373,319
TOTAL FUND BALANCE	2,421,250	2,373,319
TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCE	$ 4,202,370	$ 4,080,945

CHARTER TOWNSHIP OF DELTA
PARAMEDIC FUND
STATEMENTS OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCE
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
REVENUES		
Taxes and special assessments	$ 1,626,935	$ 1,550,711
State and federal grants	-	56,511
Charges for services	1,607,414	1,553,499
Investment earnings (loss) - net	(6,947)	(5,330)
TOTAL REVENUES	3,227,402	3,155,391
EXPENDITURES		
Current		
Health and welfare	3,139,771	3,200,959
Net change in fund balance	87,631	(45,568)
OTHER FINANCING SOURCES (USES)		
Transfers in	60,300	-
Transfers out	(100,000)	-
TOTAL OTHER FINANCING SOURCES (USES)	(39,700)	-
Net change in fund balance	47,931	(45,568)
FUND BALANCE		
Beginning of year	2,373,319	2,418,887
End of year	$ 2,421,250	$ 2,373,319

CHARTER TOWNSHIP OF DELTA
CAPITAL PROJECTS FUND
BALANCE SHEET
DECEMBER 31, 2022 AND 2021

	2022	2021
ASSETS		
Cash	$ 3,198,548	$ 2,614,299
Investments	2,959,767	2,130,984
Interest receivable	14,706	8,650
TOTAL ASSETS	$ 6,173,021	$ 4,753,933
LIABILITIES AND FUND BALANCE		
LIABILITIES		
Unearned revenue	$ 3,198,904	$ 1,748,383
FUND BALANCE		
Assigned	2,974,117	3,005,550
TOTAL LIABILITIES AND FUND BALANCE	$ 6,173,021	$ 4,753,933

CHARTER TOWNSHIP OF DELTA
CAPITAL PROJECTS FUND
STATEMENTS OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCE
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
REVENUES		
Federal grants	$ 311,900	$ -
Investment earnings (loss)	(31,433)	(8,871)
TOTAL REVENUES	280,467	(8,871)
EXPENDITURES		
Other expenses	22,100	-
OTHER FINANCING SOURCES (USES)		
Transfers in	-	146,500
Transfers out	(289,800)	(100,000)
TOTAL OTHER FINANCING SOURCES (USES)	(289,800)	46,500
Net change in fund balance	(31,433)	37,629
FUND BALANCE		
Beginning of year	3,005,550	2,967,921
End of year	$ 2,974,117	$ 3,005,550

CHARTER TOWNSHIP OF DELTA
NONMAJOR GOVERNMENTAL FUNDS

Debt Service Fund

Debt Service Fund

The Township maintains a debt service fund to account for resources accumulated and payments made related to debt related to the Township Library.

Permanent Fund

Cemetery Perpetual Care Fund

This fund is used to account for principal trust amounts received and related interest income. The interest portion of the trust can be used to maintain the cemetery.

CHARTER TOWNSHIP OF DELTA
NONMAJOR GOVERNMENTAL FUNDS
COMBINING BALANCE SHEET
DECEMBER 31, 2022

	Debt Service	Permanent Fund: Cemetery Perpetual Care Fund	Total Nonmajor Governmental Funds
ASSETS			
Cash	$ 16,648	$ 206,165	$ 222,813
Investments	16,881	188,502	205,383
Interest receivable	-	937	937
TOTAL ASSETS	$ 33,529	$ 395,604	$ 429,133
FUND BALANCES			
Restricted	$ -	$ 395,604	$ 395,604
Assigned	33,529	-	33,529
TOTAL FUND BALANCES	$ 33,529	$ 395,604	$ 429,133

CHARTER TOWNSHIP OF DELTA
NONMAJOR GOVERNMENTAL FUNDS
COMBINING STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
YEAR ENDED DECEMBER 31, 2022

	Debt Service	Permanent Fund: Cemetery Perpetual Care Fund	Total Nonmajor Governmental Funds
REVENUES			
Local sources			
Investment earnings (loss)	$ (841)	$ (3,010)	$ (3,851)
Other	-	17,395	17,395
TOTAL REVENUES	(841)	14,385	13,544
EXPENDITURES			
Debt service			
Principal repayment	180,000	-	180,000
Interest expense	193,100	-	193,100
TOTAL EXPENDITURES	373,100	-	373,100
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	(373,941)	14,385	(359,556)
OTHER FINANCING SOURCES (USES)			
Transfers In	372,600	-	372,600
Net change in fund balances	(1,341)	14,385	13,044
FUND BALANCES			
Beginning of year	34,870	381,219	416,089
End of year	$ 33,529	$ 395,604	$ 429,133

CHARTER TOWNSHIP OF DELTA
DEBT SERVICE FUND
BALANCE SHEETS
DECEMBER 31, 2022 AND 2021

	2022	2021
ASSETS		
Cash	$ 16,648	$ 20,130
Investments	16,881	14,740
TOTAL ASSETS	$ 33,529	$ 34,870
FUND BALANCE		
Assigned	$ 33,529	$ 34,870

CHARTER TOWNSHIP OF DELTA
DEBT SERVICE FUND
STATEMENTS OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
REVENUE		
Rental income - Delta Township District Library	$ -	$ 379,800
Investment earnings (loss)	(841)	43
TOTAL REVENUE	(841)	379,843
EXPENDITURES		
Principal payments on debt	180,000	180,000
Interest and fiscal charges	193,100	200,300
TOTAL EXPENDITURES	373,100	380,300
EXCESS OF REVENUES (EXPENDITURES)	(373,941)	(457)
OTHER FINANCING SOURCES (USES)		
Transfers In	372,600	-
Net change in fund balances	(1,341)	(457)
FUND BALANCE		
Beginning of year	34,870	35,327
End of year	$ 33,529	$ 34,870

CHARTER TOWNSHIP OF DELTA
2016 GENERAL OBLIGATION LIMITED TAX LIBRARY REFUNDING BONDS
SCHEDULE OF BOND AND INTEREST PAYMENT REQUIREMENTS
DECEMBER 31, 2022

Interest Rate	Due April 1	Principal	April 1	October 1	Total Payment Requirements
4.000%	2023	$ 175,000	$ 94,500	$ 91,000	$ 360,500
4.000%	2024	175,000	91,000	87,500	353,500
4.000%	2025	175,000	87,500	84,000	346,500
4.000%	2026	175,000	84,000	80,500	339,500
4.000%	2027	270,000	80,500	75,100	425,600
4.000%	2028	270,000	75,100	69,700	414,800
4.000%	2029	265,000	69,700	64,400	399,100
4.000%	2030	365,000	64,400	57,100	486,500
4.000%	2031	360,000	57,100	49,900	467,000
4.000%	2032	360,000	49,900	42,700	452,600
4.000%	2033	355,000	42,700	35,600	433,300
4.000%	2034	450,000	35,600	26,600	512,200
4.000%	2035	445,000	26,600	17,700	489,300
4.000%	2036	445,000	17,700	8,800	471,500
4.000%	2037	440,000	8,800	-	448,800
		$ 4,725,000	$ 885,100	$ 790,600	$ 6,400,700

NOTE: General obligation debt bonds dated September 7, 2016 were issued to refund the 2018-2037 portion of the 2007 library bonds. Original debt of $5,625,000.

CHARTER TOWNSHIP OF DELTA
SEWER FUND
STATEMENTS OF NET POSITION
DECEMBER 31, 2022 AND 2021

ASSETS	2022	2021
Current assets		
Cash	$ 5,805,276	$ 4,482,110
Investments	5,370,909	3,650,320
Receivables		
Customer accounts	8,186,721	575,783
Interest	26,687	14,817
Special assessment - current	-	858
Special assessment - interest	-	5
Total current assets	19,389,593	8,723,893
Noncurrent assets		
Deferred charges		
Tap in charges - deferred	-	430
Capital assets not being depreciated	18,774,137	3,408,404
Property, plant, and equipment, net of accumulated depreciation	24,125,127	23,106,371
Total noncurrent assets	42,899,264	26,515,205
TOTAL ASSETS	62,288,857	35,239,098
DEFERRED OUTFLOWS OF RESOURCES		
Other postemployment benefits related items	2,032,356	1,576,644

	2022	2021
LIABILITIES		
Current liabilities		
Accounts payable	$ 2,312,136	$ 493,380
Customer deposits payable	63,090	63,090
Contract retainage payable	1,367,635	-
Unearned revenue	5,304,058	-
Current portion of long-term liabilities	22,233	22,233
Current portion of compensated absences	165,549	270,574
Due to other funds	32,137	26,342
Total current liabilities	9,266,838	875,619
Long-term liabilities, net of current portion		
Compensated absences	188,486	149,488
Other long-term debt	15,157,163	66,697
Net other postemployment benefits liability	779,299	429,996
Total long-term liabilities	16,124,948	646,181
TOTAL LIABILITIES	25,391,786	1,521,800
DEFERRED INFLOWS OF RESOURCES		
Other postemployment benefits related items	1,872,037	1,716,977
NET POSITION		
Net investment in capital assets	27,719,868	26,425,845
Unrestricted	9,337,522	7,151,120
TOTAL NET POSITION	$ 37,057,390	$ 33,576,965

CHARTER TOWNSHIP OF DELTA
SEWER FUND
STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
OPERATING REVENUES		
Charges for services	$ 5,682,400	$ 5,204,300
Forfeited discounts	72,121	57,738
Other	30,817	41,691
TOTAL OPERATING REVENUES	5,785,338	5,303,729
OPERATING EXPENSES		
Costs of sales and services	4,149,584	3,899,230
Depreciation	1,069,105	1,014,275
TOTAL OPERATING EXPENSES	5,218,689	4,913,505
Operating income (loss)	566,649	390,224
NON-OPERATING REVENUES (EXPENSES)		
Capital charges	329,840	323,643
State grants	604,564	-
Reimbursement for construction costs	235,128	-
Gain on disposal of capital assets	14,848	-
Investment income - net	(48,831)	(20,804)
Interest and fiscal charges	(14,848)	(3,623)
TOTAL NON-OPERATING REVENUES	1,120,701	299,216
Income (loss) before capital contributions	1,687,350	689,440
CAPITAL CONTRIBUTIONS - infrastructure	1,755,075	966,372
TRANSFERS IN	38,000	-
Change in net position	3,480,425	1,655,812
NET POSITION		
Beginning of year	33,576,965	31,921,153
End of year	$ 37,057,390	$ 33,576,965

CHARTER TOWNSHIP OF DELTA
SEWER FUND
STATEMENTS OF CASH FLOWS
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
INCREASE (DECREASE) IN CASH		
Cash flows from operating activities		
Operating income (loss)	$ 566,649	$ 390,224
Adjustments to reconcile operating loss to net cash provided (used) by operating activities		
Depreciation	1,069,105	1,014,275
Prepaid expenses	-	12,993
Receivables	(7,610,938)	(96,743)
Due to/from other funds - net	5,795	4,261
Accounts payable	1,818,756	100,174
Contract retainage payable	1,367,635	-
Unearned revenue	5,304,058	-
Other postemployment benefit liability	48,651	(36,776)
Accrued compensated absences	(66,027)	23,894
Total adjustments	1,937,035	1,022,078
Net cash provided by operating activities	2,503,684	1,412,302
Cash flows from non-capital financing activities		
Capital charges	329,840	323,643
Main and tap in charges	430	4,371
Net cash provided by non-capital financing activities	330,270	328,014
Cash flows for capital and related financing activities		
Principal repayments on debt	(22,234)	(22,233)
State grants	604,564	-
Reimbursement for construction costs	235,128	-
Gain on disposal of capital assets	14,848	-
Net interest paid on bonds	(14,848)	(3,623)
Transfer from other funds	38,000	-
Payments for capital acquisitions	(585,821)	(2,030,302)
Issuance from special assessments	858	3,803
Interest received from special assessments	5	51
Net cash used by capital and related financing activities	270,500	(2,052,304)
Cash flows from investing activities		
Interest received from investments	(60,699)	(15,394)
Purchases of investments	(1,720,589)	1,350,447
Net cash provided (used) by investing activities	(1,781,288)	1,335,053
NET INCREASE (DECREASE) IN CASH	1,323,166	1,023,065
CASH		
Beginning of year	4,482,110	3,459,045
End of year	$ 5,805,276	$ 4,482,110

CHARTER TOWNSHIP OF DELTA
SEWER FUND
SCHEDULES OF COSTS OF SALES AND SERVICES
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
Salaries and wages	$ 1,577,606	$ 1,569,572
Payroll taxes	123,686	117,199
Employee fringe benefits	599,970	539,659
Pension expense	260,085	179,397
Office supplies	3,599	3,462
Chemicals	334,989	259,860
Supplies	49,101	40,960
Maintenance of plant	18,112	26,608
Maintenance of equipment	104,765	112,496
Accounting and auditing	173,566	175,372
Administrative fees	115,750	100,000
Contracted services	138,128	150,204
Engineering	31,022	15,043
Collection fees	837	751
Telephone	19,665	20,712
Transportation	44,009	32,882
Legal fees	-	5,382
Insurance	139,239	132,563
Utilities	395,728	388,781
Miscellaneous	19,727	28,327
	$ 4,149,584	$ 3,899,230

CHARTER TOWNSHIP OF DELTA
SEWER FUND
SCHEDULE OF GENERAL ASSESSMENT PAYABLE
DECEMBER 31, 2022

Year	Carrier Creek
2023	$ 25,734
2024	24,567
2025	23,402
	73,703
Less interest	7,007
	$ 66,696

NOTE: Drains at large consists of drains installed by Eaton County Drain Commission in which the State of Michigan, homeowners, Delta Township, and the Eaton County Drain Commission share the cost of installment. Delta Township is assessed yearly for their share of the cost plus interest on the outstanding balance. The interest rate charged to the Sewer Fund's share of the Carrier Creek project is 3.25%.

CHARTER TOWNSHIP OF DELTA
WATER FUND
STATEMENTS OF NET POSITION
DECEMBER 31, 2022 AND 2021

	2022	2021
ASSETS		
Current assets		
Cash	$ 4,813,276	$ 4,985,448
Investments	4,453,718	4,061,348
Receivables		
Customer accounts	380,197	384,198
Interest	22,130	16,485
Special assessment - current	1,546	1,708
Special assessment - interest	102	123
Other	3,316,860	37,249
Total current assets	12,987,829	9,486,559
Noncurrent assets		
Deferred charges		
Special assessments - deferred	8,753	10,502
Capital assets not being depreciated	1,107,583	488,845
Property, plant, and equipment, less accumulated depreciation	36,344,190	35,950,183
Total noncurrent assets	37,460,526	36,449,530
TOTAL ASSETS	50,448,355	45,936,089
DEFERRED OUTFLOWS OF RESOURCES		
Other postemployment benefits related items	390,838	303,201

	2022	2021
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND NET POSITION		
LIABILITIES		
Current liabilities		
Accounts payable	$ 646,902	$ 263,575
Customer deposits payable	16,460	15,730
Accrued interest	7,091	14,124
Unearned revenue	2,810,278	1,725
Current portion of long-term liabilities	945,000	955,000
Current portion of compensated absences	21,208	55,950
Due to other funds	9,850	9,495
Contract retainage payable	21,582	-
Total current liabilities	4,478,371	1,315,599
Long-term liabilities, net of current portion		
Compensated absences	42,031	33,790
Bonds payable	1,010,000	1,955,000
Net other postemployment benefits liability	149,865	82,691
Unamortized bond premiums (discount) - net	(9,365)	(12,487)
Total long-term liabilities	1,192,531	2,058,994
TOTAL LIABILITIES	5,670,902	3,374,593
DEFERRED INFLOWS OF RESOURCES		
Other postemployment benefits related items	360,007	330,188
NET POSITION		
Net investment in capital assets	35,506,138	33,541,515
Unrestricted	9,302,146	8,992,994
TOTAL NET POSITION	$ 44,808,284	$ 42,534,509

CHARTER TOWNSHIP OF DELTA
WATER FUND
STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
OPERATING REVENUES		
Charges for services	$ 5,493,361	$ 5,385,845
Hydrant rental	157,850	156,380
Forfeited discounts	61,459	57,052
Other service charges	150,376	247,096
Other	21,979	8,071
TOTAL OPERATING REVENUES	5,885,025	5,854,444
OPERATING EXPENSES		
Costs of sales and services	4,800,239	4,428,463
Depreciation	1,246,992	1,208,826
TOTAL OPERATING EXPENSES	6,047,231	5,637,289
Operating income	(162,206)	217,155
NON-OPERATING REVENUES (EXPENSES)		
Capital charges	585,525	359,402
State grants	240,390	-
Reimbursement for construction costs	318,487	-
Gain on disposal of capital assets	6,500	7,857
Investment income - net	(66,250)	(25,532)
Interest and fiscal charges	(47,065)	(71,858)
Amortization of bond discount	(3,122)	(3,122)
TOTAL NON-OPERATING REVENUES	1,034,465	266,747
Income before capital contributions	872,259	483,902
CAPITAL CONTRIBUTIONS - infrastructure	1,391,016	1,055,175
TRANSFERS IN	10,500	-
Change in net position	2,273,775	1,539,077
NET POSITION		
Beginning of year	42,534,509	40,995,432
End of year	$ 44,808,284	$ 42,534,509

CHARTER TOWNSHIP OF DELTA
WATER FUND
STATEMENT OF CASH FLOWS
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
INCREASE (DECREASE) IN CASH		
Cash flows from operating activities		
Operating income	$ (162,206)	$ 217,155
Adjustments to reconcile operating income to net cash provided (used) by operating activities		
Depreciation	1,246,992	1,208,826
Receivables	(3,275,610)	46,304
Prepaid expenses	-	2,712
Due to/from other funds - net	355	1,644
Accounts payable	383,327	(39,977)
Accrued compensated absences	(26,501)	(7,373)
Contract retainage payable	21,582	-
Customer deposits	730	90
Other postemployment benefit liability	9,356	(7,073)
Unearned revenue	2,808,553	(35,822)
Total adjustments	1,168,784	1,169,331
Net cash provided by operating activities	1,006,578	1,386,486
Cash flows from non-capital financing activities		
Capital charges	585,525	359,402
Main and tap in charges	-	11,376
Net cash provided by non-capital financing activities	585,525	370,778
Cash flows from capital and related financing activities		
Principal repayments on debt	(955,000)	(860,000)
State grants	240,390	-
Reimbursement for construction costs	318,487	-
Gain on disposal of capital assets	6,500	7,857
Net interest paid on bonds	(54,098)	(73,744)
Payments for capital acquisitions	(868,721)	(638,846)
Proceeds from special assessments	1,911	(6,727)
Transfers from other funds	10,500	-
Interest received from special assessments	1,280	(1,829)
Net cash used by capital and related financing activities	(1,298,751)	(1,573,289)
Cash flows from investing activities		
Interest received from investments	(73,154)	(18,816)
Proceeds of investments	(392,370)	2,558,274
Net cash provided (used) by investing activities	(465,524)	2,539,458
NET INCREASE (DECREASE) IN CASH	(172,172)	2,723,433
CASH		
Beginning of year	4,985,448	2,262,015
End of year	$ 4,813,276	$ 4,985,448

CHARTER TOWNSHIP OF DELTA
WATER FUND
SCHEDULES OF COSTS OF SALES AND SERVICES
YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
Salaries and wages	$ 538,547	$ 571,815
Payroll taxes	41,586	43,257
Employee fringe benefits	190,516	177,500
Pension expense	85,526	66,579
Office supplies	1,871	2,222
Supplies	199,849	156,162
Water purchases	2,758,107	2,677,627
Maintenance of plant	123,577	93,181
Maintenance of equipment	19,162	15,704
Transportation	44,420	20,359
Administrative	115,750	100,000
Accounting and auditing	173,566	175,372
Engineering fees	25,794	3,334
Contracted services	308,434	153,016
Telephone	11,543	12,536
Insurance	43,151	45,657
Utilities	95,590	89,035
Miscellaneous	23,250	25,107
	$ 4,800,239	$ 4,428,463

CHARTER TOWNSHIP OF DELTA
WATER FUND
SCHEDULE OF GENERAL OBLIGATION LIMITED TAX BOND
AND INTEREST PAYMENT REQUIREMENTS
DECEMBER 31, 2022

Charter Township of Delta Bonds
General Obligation Limited Tax Bonds

Year	Interest Rate	Principal Due May 1	Interest April 1	Interest October 1	Total	Total Principal and Interest Requirements
2023	2.00%	$ 450,000	$ 4,500	$ -	$ 4,500	$ 454,500

NOTE: The general obligation limited tax bonds were issued by Charter Township of Delta on July 10, 2013, for the purpose of replacing water mains throughout the Township. Original amount was $4,000,000.

CHARTER TOWNSHIP OF DELTA
SCHEDULE OF GENERAL OBLIGATION LIMITED TAX BOND
AND INTEREST PAYMENT REQUIREMENTS
DECEMBER 31, 2022

Charter Township of Delta Bonds
General Obligation Limited Tax Refunding Bonds

Year	Interest Rate	Principal Due May 1	Interest May 1	Interest November 1	Total	Total Principal and Interest Requirements
2023	2.31%	$ 495,000	$ 17,383	$ 11,665	$ 29,048	$ 524,048
2024	2.31%	485,000	11,665	6,064	17,729	502,729
2025	2.31%	525,000	6,064	-	6,064	531,064
		$ 1,505,000	$ 35,112	$ 17,729	$ 52,841	$ 1,557,841

NOTE: The general obligation limited tax refunding bonds were issued by Charter Township of Delta on July 30, 2015, for the purpose of refunding the 2006 general obligation limited tax bonds which paid for the cost of acquiring and constructing various capital improvements to the Township's water supply system. Original amount was $4,570,000.

CHARTER TOWNSHIP OF DELTA
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
DECEMBER 31, 2022

Federal Grantor/Pass-through Grantor/Program Title	Assistance Listing Number	Pass-through Grantors Number	Federal Award Expenditures
U.S. DEPARTMENT OF TREASURY			
Passed through Michigan Department of Treasury			
Coronavirus State and Local Fiscal Recovery Funds	21.027	N/A	$ 311,900
U.S. ENVIRONMENT PROTECTING AGENCY			
Clean Water State Revolving Fund Cluster			
Clean Water State Revolving Fund	66.458	5725-01	9,251,572
U.S. ELECTION ASSISTANCE COMMISSION			
Passed through Michigan Department of State - Bureau of Elections			
Help America Vote Act - Election Security Grant	90.404	N/A	19,545
U.S. DEPARTMENT OF HOMELAND SECURITY			
Passed through Michigan State Police			
Emergency Management Performance Grants	97.042	EMC-2022-EP-0001	29,223
	97.042	EMC-2021-EP-0001	11,483
Total U.S. Department of Homeland Security			40,706
TOTAL EXPENDITURES OF FEDERAL AWARDS			$ 9,623,723

CHARTER TOWNSHIP OF DELTA
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
DECEMBER 31, 2022

NOTE 1 - BASIS OF PRESENTATION

The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal award activity of the Charter Township of Delta, Michigan, under programs of the federal government for the year ended December 31, 2022. The information in this Schedule is presented in accordance with the requirements of the Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Because the Schedule presents only a selected portion of the operations of the Charter Township of Delta, Michigan, it is not intended to and does not present the financial position or changes in net position of the Charter Township of Delta, Michigan.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICES

Expenditures reported on the Schedule are reported on the modified accrual basis of accounting. Such expenditures are recognized following the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts (if any) shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Pass-through entity identifying numbers are presented where available. The Township has elected to not use the 10-percent de minimis indirect cost rate allowed under the Uniform Guidance.

NOTE 3 - RECONCILIATION WITH AUDITED FINANCIAL STATEMENTS

The following reconciles the intergovernmental revenues reported in the December 31, 2022, basic financial statements to the expenditures of the Township administer federal programs reported on the Schedule of Expenditures of Federal Awards:

Per basic financial statements	
State and federal grants	$ 386,898
Less state grants	(14,747)
Total federal grants	372,151
Federal expenditures capitalized	9,251,572
Total expenditures of federal awards	$ 9,623,723

Maner Costerisan

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INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

To the Board of Trustees
Charter Township of Delta
Lansing, Michigan

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of Charter Township of Delta, as of and for the year ended December 31, 2022, and the related notes to the financial statements, which collectively comprise Charter Township of Delta's basic financial statements, and have issued our report thereon dated May 8, 2023.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered Charter Township of Delta's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Charter Township of Delta's internal control. Accordingly, we do not express an opinion on the effectiveness of Charter Township of Delta's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements, on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether Charter Township of Delta's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of This Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Maner Costerisan PC

May 8, 2023

Maner Costerisan

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INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM AND ON INTERNAL CONTROL OVER COMPLIANCE REQUIRED BY THE UNIFORM GUIDANCE

To the Board of Trustees
Charter Township of Delta
Lansing, Michigan

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited Charter Township of Delta's compliance with the types of compliance requirements identified as subject to audit in the OMB *Compliance Supplement* that could have a direct and material effect on each of as of Charter Township of Delta's major federal programs for the year ended December 31, 2022. Charter Township of Delta's major federal program is identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

In our opinion, Charter Township of Delta complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended December 31, 2022.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditor's Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of Charter Township of Delta and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of Charter Township of Delta's compliance with the compliance requirements referred to above.

Responsibilities of Management for Compliance

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules, and provisions of contracts or grant agreements applicable to Charter Township of Delta's federal programs.

Auditor's Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on Charter Township of Delta's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about Charter Township of Delta's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.

- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding Charter Township of Delta's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.

- Obtain an understanding of Charter Township of Delta's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of Charter Township of Delta's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

Report on Internal Control Over Compliance

A *deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the Auditor's Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified. Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Maney Costerisan PC

May 8, 2023

CHARTER TOWNSHIP OF DELTA
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
YEAR ENDED DECEMBER 31, 2022

Section I - Summary of Auditor's Results

Financial Statements

Type of auditor's report issued based on financial statements prepared in accordance with generally accepted accounting principles: *Unmodified*

Internal control over financial reporting:

- Material weakness(es) identified? ____ Yes __X__ No
- Significant deficiency(ies) identified? ____ Yes __X__ None reported

Noncompliance material to financial statements noted? ____ Yes __X__ No

Federal Awards

Internal control over major programs:

- Material weakness(es) identified? ____ Yes __X__ No
- Significant deficiency(ies) identified? ____ Yes __X__ None reported

Type of auditor's report issued on compliance for major programs: *Unmodified*

Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)? ____ Yes __X__ No

Identification of major programs:

Assistance Listing Number(s)	Name of Federal Program or Cluster
66.458	Clean Water State Revolving Fund Cluster

Dollar threshold used to distinguish between Type A and Type B programs: $750,000

Auditee qualified as low-risk auditee? ____ Yes __X__ No

Section II - Financial Statement Findings

None noted.

Section III - Federal Award Findings and Questioned Costs

None noted.

CHARTER TOWNSHIP OF DELTA
SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
YEAR ENDED DECEMBER 31, 2022

FINDINGS/NONCOMPLIANCE

Significant Deficiencies and Material Weaknesses Related to Internal Controls Over the Financial Statements.

No prior audit findings noted.

Findings Related to Compliance with Requirements Applicable to the Basic Financial Statements.

No prior audit findings noted.

Findings Related to Compliance with Requirements Applicable to Each Major Federal Program and Internal Control Over Compliance in Accordance with the Uniform Guidance.

No prior audit findings noted.

TETRA TECH

Construction Progress

To:	Delta Charter Township Board
Cc:	Ernie West, Rick Kane, Jennifer Bernardin; Delta Charter Township
From:	Brent Bode, P.E., Melissa Hopkins, P.E., & Ella Hoeffner, E.I.T.; Tetra Tech
Date:	May 9, 2023
Subject:	WRRF P1 Update No. 011

1.0 CONSTRUCTION PROGRESS

- General Contractor, Commercial Contracting Corporation (CCC), is on site full time for supervision, safety, processing submittals and RFI's, and planning the work.
- CCC continued installing the Aeration Tank wall reinforcement by tying the mats on the foundation and raising them into place with the crane. CCC installed the remaining wall reinforcements around Aeration Tank No. 1 and 2. The reinforcements for the Aeration Tank walls are now complete, except for the additional resteel around the penetrations.
- CCC has placed concrete for the southwest upper exterior wall section, the center interior wall section between Aeration Tanks No. 1 and 2, the west interior wall section between Tanks No. 4 and 5, and the center lower exterior wall sections on the north and west sides. CCC is installing wall forms along the lower northwest corner of the Aeration Tanks. CCC has completed the walls for Aeration Tank No. 5, and the water tightness test will begin at the end of May. CCC has also patched the tie holes in this tank.
- CCC has installed reinforcements and placed concrete for the foundation and slab on grade for the Radio Shed.
- CCC has installed reinforcements and placed concrete for the foundation and walls for the new Primary Tank effluent chamber.
- CCC has completed installation of the wood fascia and soffit around the exterior of the Control Building and Electrical Building.
- CCC installed plywood and waterproofing membrane on the Control Building gables in preparation for the aluminum panels.
- CCC worked with Murray Painting to repair and repaint the damaged walls throughout the Control Building per Tetra Tech's deficiency list. CCC installed and finished the drywall around the Control Building Vestibule door frame. CCC replaced the door hardware throughout the Control Building with dark bronze finished hardware. CCC hired a professional custodial company, Hi-Tech Building Services, to thoroughly clean the interior of the Control Building.

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Tel 517.316.3930 tetratech.com

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- Subcontractor Rayhaven Group installed the benches in the Control Building Locker Rooms and Mud Room.

- Subcontractor Allied Mechanical Services, Inc. (AMS) worked with CCC to install a wall sleeve for the new 36" primary effluent pipe in the Primary Tank effluent chamber wall forms.

- AMS worked with Consumers Energy to install the natural gas meter and piping from the main pipe in along Willow Highway to the Electrical Building. AMS installed the regulators on the Electrical Building and Control Building. The natural gas piping from the Electrical Building to the Control Building was successfully pressure tested, and the service was turned on.

- AMS installed the temporary AHU-1 unit, ductwork, and natural gas lines on the northwest corner of the Control Building. AMS also installed CU-1 and the related water and gas piping on the east side of the Control Building. AMS continued installing HVAC controls wiring in the Control Building.

- AMS installed the sinks and related plumbing in the Control Building laboratory casework. AMS caulked around the toilets and fixtures throughout the Control Building.

- AMS worked with Hoffman Bros. to excavate and backfill the FEW, sludge, and air piping reroutes around the existing Clarifiers and Digesters. AMS cut and capped the existing FEW piping outside the Digester Tunnel and a new pipe was cored into the tunnel. The FEW piping was installed from the Digester Tunnel to an existing pipe south of the Final Clarifiers. The sludge piping was rerouted from near the WAS Tanks to south of the Final Clarifiers. The air piping was rerouted from the Blower Building to south of the Final Clarifiers. All pipes passed pressure tests and were tied into the WRRF's operating system after a short shut down.

- AMS worked with 21st Century Salvage Inc to remove a section of the odor control ductwork on the Primary Tanks. One duct was left to service the Primary Tanks, and the rest of the ductwork was cut off and capped.

- Subcontractor Superior Electric of Lansing (SE) completed installing raceways, conduit, and wire through the interior of the Electrical Building.

- SE installed conduit and wire from the RAS Pumping Building to the existing Clarifiers for the future headworks dewatering wells.

- SE removed and relocated electrical panels and transformers in the basement of the Grit Building to make room for the future grit piping.

- SE poured the light pole bases and installed conduit and wire to each pole on the west side of the Control Building and Sludge Building.

- SE installed conduit and wire to CU-1 and the temporary AHU-1 for the Control Building. SE installed outlets and wiring in the Control Building Laboratory casework. SE pulled wire and fiber from the utility poles to the Electrical and Control Buildings.

- SE and AMS worked together to relocate their conex containers from southwest of the Control Building to west of the existing Final Clarifiers to free up the space for site grading.

- SE worked with the Board of Water and Light to install the new utility pole off Willow Highway.

- SE received electrical panels from Commerce Controls Inc, including the Control Building Processor Panel, Network Panels No. 1 and 2, and Radio Panel No. 1.

- Subcontractor Hoffman Bros. worked with SE and CCC to excavate the Radio Shed foundation, CCC and AMS to excavate the new Primary Tank effluent chamber, SE to backfill the light poles and conduit, and AMS to excavate and backfill the FEW, sludge, and air piping reroutes.

- Hoffman Bros. backfilled the demolished WAS Tanks with stone then sand and thoroughly compacted the subgrade. Hoffman Bros. worked with AMS to locate, cut, and cap the 6" drains from each WAS Tank.

- Hoffman Bros. continued repairing the north, west, and south slopes of the Aeration Tank excavation to meet safety standards. The work areas available at the Aeration Tanks are at the discretion of CCC.

- Hoffman Bros. graded the west side of the Control Building to the final elevation by installing and compacting sand and stone in the parking areas and sidewalks. The subgrade southwest of the Control Building was undercut and backfilled with stone as directed by SME. The lids on storm sewer basins around the Control Building were rotated to align with the curbs, and the grating covers were installed. Hoffman Bros. excavated, installed, and backfilled the roof drains around the Control Building.

- Hoffman Bros. cut and removed the curbs around the south service drive to create more parking. Hoffman Bros. backfilled the drive with asphalt millings.

- Subcontractor RAM Construction Services caulked the masonry joints on the Control Building HVAC enclosure. RAM caulked the sills under the windows around the Control Building, and around the north concrete beam.

- Subcontractor Christen Detroit completed installation of the standing seam metal roof panels on the Control Building and is installing ridge caps and final trim pieces.

- Christen Detroit installed the gutters and aluminum fascia on the Electrical Building. Christen Detroit has begun installation of the standing seam metal roof on the Electrical Building and completed the north and west sides.

- Subcontractor Murray Painting Company (Murray) touched up the paint on the drywall and doors throughout the Control Building. Murray applied epoxy sealant to the floors in the Control Building Mechanical and Electrical Rooms. Murray painted the natural gas piping and remaining water piping in the Mechanical Room.

- Murray blockfilled and applied the final coat of paint to the walls in the Electrical Building.

- Subcontractor Lansing Tile and Mosaic installed the carpet and rubber wall base in the Control Building Waiting Room and Small Conference Room. Lansing Tile then installed the porcelain floor tile and wall base in the Vestibule. All flooring in the Control Building has now been installed.

- Subcontractor 21st Century Salvage Inc. completed demolition of the existing WAS Tanks. An 11' by 16' section of the foundation and corresponding wall was left undisturbed to protect the duct bank that runs west of the south WAS Tank. The debris was hauled off site.

- 21st Century Salvage Inc. worked with AMS to remove a section of the odor control ductwork on the Primary Tanks.

- Subcontractor Traverse City Glass completed installation of frames and glass panes for the Small Conference Room and Vestibule in the Control Building.

- Subcontractor Detroit Technical Equipment Company installed the laboratory casework and countertops

in the Control Building.

- DBI delivered and assembled the owner provided furniture for the Control Building.

- Subcontractors GM & Sons and Doan Companies completed installation of the sidewalk and curbs around the north, west, and southwest sides of the Control Building.

- Tetra Tech is on site full time and is working on shop drawing review, addressing RFI's, managing change issues, and observing the work.
    - Submittals received as of 5/8: 273
    - RFI's received as of 5/8: 122

2.0 CONTRACT

2.1 CHANGES

- Change Order No. 1: ($699,318.00)
- Change Order No. 2: $38,161.19
- Change Order No. 3: $154,743.03
- Current Contract Price: $73,269,586.22
- Final Completion Date: December 2, 2024

2.2 PAYMENT APPLICATIONS

- Pay Application for work through April 30, 2023 = $2,891,515.13
- Total paid to date: $21,405,906.75

PHOTOGRAPHS

Photo 1: Control Building; Standing Seam Metal Roof



Photo 2: Control Building; Laboratory



Photo 3: Control Building; Sidewalk Installation



Photo 4: Control Building; Vestibule Door



Photo 5: Aeration Tank; Wall Progress

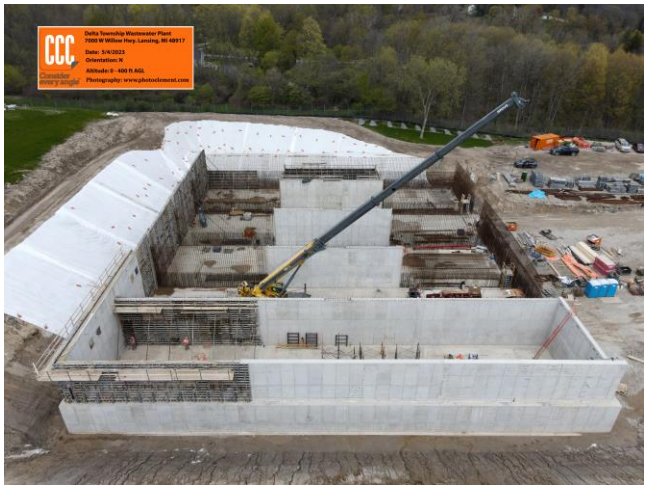


Photo 6: Primary Tank; Chamber Wall Forms



Photo 7: Electrical Building; Standing Seam Metal Roof



Photo 8: FEW, Sludge, and Air Piping Reroutes



Photo 9: Site Overview, 5/4/2023



TETRA TECH

Construction Progress

To:	Delta Charter Township Board
Cc:	Ernie West, Rick Kane, Jennifer Bernardin; Delta Charter Township
From:	Shelby Byrne, P.E., Andy Heise & Alex Michailuk; Tetra Tech
Date:	May 05, 2023
Subject:	Ultium 3 Battery Plant – Bid Package 1 Water Main and Sanitary Sewer Improvements Update 1

1.0 CONSTRUCTION PROGRESS

1.1 CONSTRUCTION COMPLETED SINCE LAST STATUS COMMUNICATION

- Material delivery ongoing for Schedules A – E.
- 8367-20-inch water main installed completing the water main installation for Schedule B.
- 8425-feet of 10-inch force main installed completing the sanitary force main installation for Schedule C.
- Air relief structures and fire hydrant installations have been completed along the entrance road to the Ultium 3 site for Schedules B & C.
- Relocated the fire hydrant in Schedule E near the water tower to accommodate installation of the new sanitary force main.
- Completed 12” sanitary force main installation under I-96/I-69 via directional drilling for Schedule E.
- Open cut installation of the 12” sanitary force main west of I-96/I-69 is complete for Schedule E.
- Air relief structures and cleanout installations have been completed for Schedule E North of Millet Hwy towards the water tower.

1.2 SCHEDULE

- Ongoing 20-inch water main installation for Schedule D North of Millet Hwy towards the water tower.
- Testing on the 20” water main for schedule B is ongoing.
- Directional drilling is ongoing for the 24” water main in Schedule A.
- Guided pilot tube installation at the Canal and Millett intersection is ongoing for Schedule E.

2.0 CONTRACT

2.1 PAYMENT APPLICATIONS

- Pay Application for April 2023 = $877,333.82
- Total paid to date: $5,260,679.75

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3.0 PHOTOGRAPHS







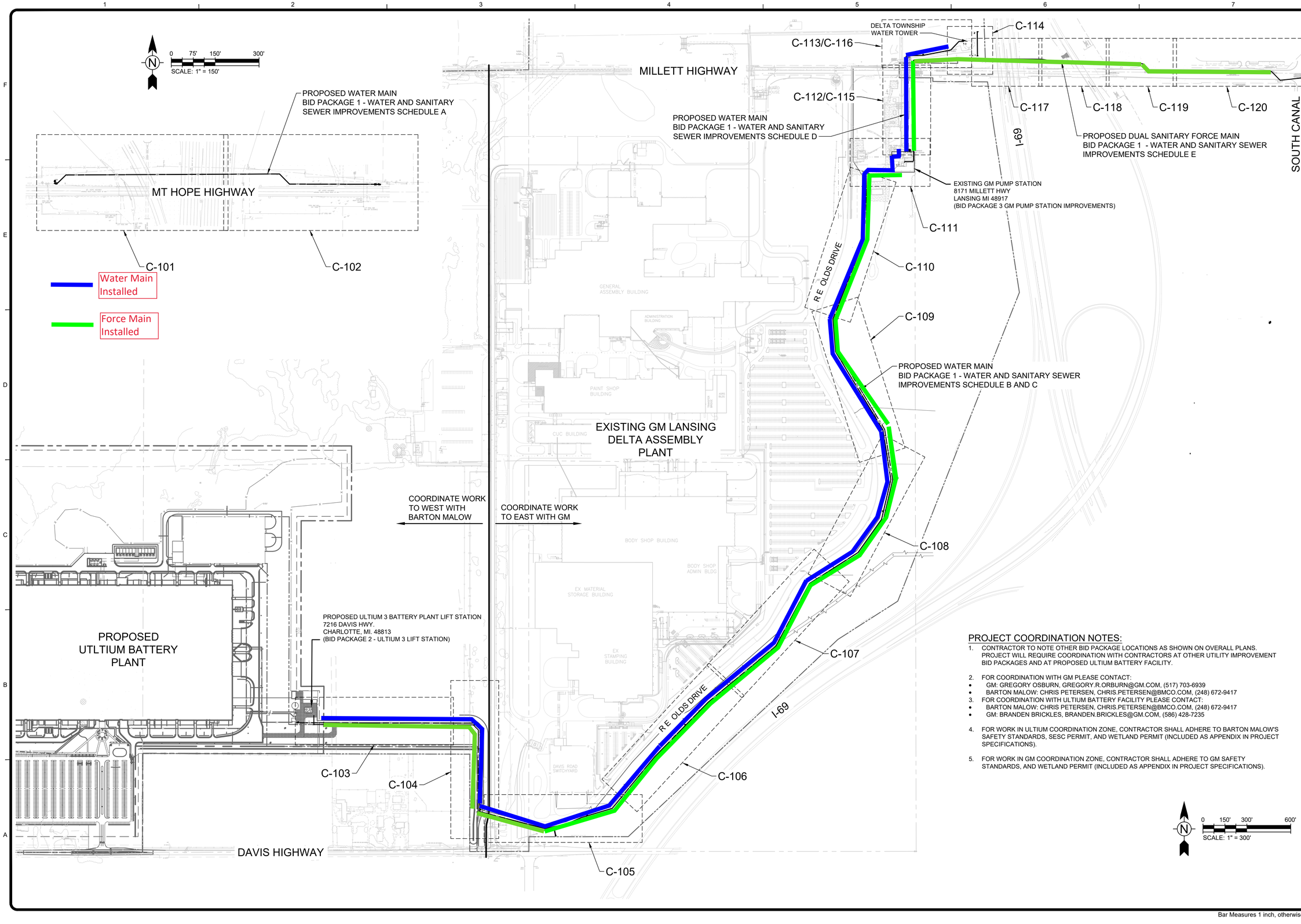












PROJECT COORDINATION NOTES:

1. CONTRACTOR TO NOTE OTHER BID PACKAGE LOCATIONS AS SHOWN ON OVERALL PLANS. PROJECT WILL REQUIRE COORDINATION WITH CONTRACTORS AT OTHER UTILITY IMPROVEMENT BID PACKAGES AND AT PROPOSED ULTIUM BATTERY FACILITY.
2. FOR COORDINATION WITH GM PLEASE CONTACT:
   - GM: GREGORY OSBURN, GREGORY.R.ORBURN@GM.COM, (517) 703-6939
   - BARTON MALOW: CHRIS PETERSEN, CHRIS.PETERSEN@BMCO.COM, (248) 672-9417
3. FOR COORDINATION WITH ULTIUM BATTERY FACILITY PLEASE CONTACT:
   - BARTON MALOW: CHRIS PETERSEN, CHRIS.PETERSEN@BMCO.COM, (248) 672-9417
   - GM: BRANDEN BRICKLES, BRANDEN.BRICKLES@GM.COM, (586) 428-7235
4. FOR WORK IN ULTIUM COORDINATION ZONE, CONTRACTOR SHALL ADHERE TO BARTON MALOW'S SAFETY STANDARDS, SESC PERMIT, AND WETLAND PERMIT (INCLUDED AS APPENDIX IN PROJECT SPECIFICATIONS).
5. FOR WORK IN GM COORDINATION ZONE, CONTRACTOR SHALL ADHERE TO GM SAFETY STANDARDS, AND WETLAND PERMIT (INCLUDED AS APPENDIX IN PROJECT SPECIFICATIONS).

TETRA TECH
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EAST LANSING, MI 48823
517.316.3930

MARK	DATE	DESCRIPTION	BY
	10-03-22	ISSUED FOR BIDS	

DELTA TOWNSHIP, MICHIGAN

ULTIUM 3 BATTERY PLANT - BID PACKAGE 1
WATER AND SANITARY SEWER IMPROVEMENTS

WATER MAIN AND SANITARY SEWER OVERALL PLAN

PROJ:	200-214200-22002
DESN:	SNB
DRWN:	TAH
CHKD:	GJM

C-009

Copyright: Tetra Tech

Bar Measures 1 inch, otherwise drawing not to scale

9/30/2022 3:18:29 PM - O:\PROJECTS\LANSING\IER\214200\200-214200-22002\CAD\SHEETFILES\GM ULTIUM WMAC-009.DWG - HOLLENBECK, TODD

Construction Progress

To:	Delta Charter Township Board
Cc:	Ernie West, Rick Kane, Jennifer Bernardin
From:	Barry Gates, OHM-Advisors
Date:	May 5, 2023
Subject:	Ultium 3 Bid Package #2 - Ultium Lift Station: Update No. 03

1.0 CONSTRUCTION PROGRESS

- Prime Contractor Dunigan Bros.
  - Backfilled around the valve vault.
  - Pressure tested the 12” sewer between the wet well and the Barton Malow meet point.
  - Installed the 10” ductile iron force main between the valve vault and the meet point for bid package #1.
  - SME was onsite during various stages of the work for testing and geotechnical support.

- Subcontractor Kelly Dewatering
  - Removed dewatering components from the site.

2.0 CONTRACT

2.1 CHANGES

- Original Contract Amount: $2,756,000.00
- Change Order 01: $1,785,350.00
  - Added the underground work for BP3 at the existing GM LDT Pump Station.

- Change Order 02: $152,647.00
    - Revised the design of BP2 Ultium 3 Lift Station due to the increase in sanitary flows from Ultium.
- Current Contract Price: $4,693,997.00
- Substantial Completion Date: August 31, 2023

2.2 PAYMENT APPLICATIONS

- Pay application for work from April 1 to April 30, 2023 = $213,454.68
- Total to date: $1,269,154.68

3.0 PHOTOGRAPHS



Photo #1 – Beginning to backfill valve vault



Photo #2 – Installing 10” ductile iron force main

DELTA CHARTER TOWNSHIP
FINANCE REPORT
FOR TOWNSHIP BOARD MEETING
5/15/2023

Disbursement requests listed on the following pages, totaling $6,196,664.50 have been received and reviewed by the Manager, Finance Director, and Clerk. It is recommended that all listed vouchers be approved for payment.

Payroll & Related	421,823.58
Refunds	1,957.63
Tax Distributions	20,186.36
Vendor Claims	5,752,696.93
Total	$ 6,196,664.50

Kenneth R. Fletcher, Township Supervisor

Mary R. Clark, Township Clerk

Dennis R. Fedewa, Township Treasurer

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PAYABLES FOR DELTA CHARTER TOWNSHIP
BOARD AGENDA DATE
5/15/2023

Check Date	Check	Invoice Vendor	Description	Amount
04/28/2023	CCARD	ACEC OF MICHIGAN	CONFERENCE REGISTRATION	400.00
04/28/2023	CCARD	AMAZON MARKETPLACE	CHEST WADER WITH BOOTS	52.99
04/28/2023	CCARD	APPLEBEES	ELECTION LUNCH	95.81
04/28/2023	CCARD	BEST BUY	KEYBOARDS	179.96
04/28/2023	CCARD	AMAZON MARKETPLACE	OFFICE SUPPLIES	1,372.02
04/28/2023	CCARD	CALL-EM-ALL	MONTHLY SUBSCR EMERGENCY NOTIFICATIONS	19.00
04/28/2023	CCARD	DETROIT FREE PRESS	MONTHLY SUBSCRIPTION	9.99
04/28/2023	CCARD	DETROIT NEWSPAPER AGENCY	DETROIT NEWS SUBSCRIPTION RENEWAL	9.99
04/28/2023	CCARD	AMAZON MARKETPLACE	RADIO, MICROPHONE, FLASH DRIVE & CASES	585.08
04/28/2023	CCARD	DHGATE.COM	FLOWERS FOR DADDY DAUGHTER DANCE	257.28
04/28/2023	CCARD	EVENTBRITE	MICHIGAN HR DAY & APPLIED SUICIDE INTERVENTION	150.00
04/28/2023	CCARD	EZREGISTER	FLSA TRAINING	450.00
04/28/2023	CCARD	FACEBOOK	SOCCER POSTING	50.00
04/28/2023	CCARD	HOME DEPOT	DOOR HARDWARE, WASHER FLUID, & BAGS	198.46
04/28/2023	CCARD	AMAZON MARKETPLACE	BOMBER JACKET, WORK BOOTS & SAFETY GLASSES	731.19
04/28/2023	CCARD	LANSING CENTER PARKING	PARKING FOR MPARKS CONFERENCE	4.00
04/28/2023	CCARD	MACEO	MACEO MEMBERSHIP & CONF REGISTRATION	235.00
04/28/2023	CCARD	MICROSOFT	CLOUD STORAGE	0.01
04/28/2023	CCARD	AMAZON MARKETPLACE	BUILDING SUPPLIES	544.25
04/28/2023	CCARD	OUTBACK STEAKHOUSE	BOARD OF REVIEW DINNER	80.43
04/28/2023	CCARD	SIGNS ON THE CHEAP	YOUTH SPORTS ADVERTISEMENT	135.49
04/28/2023	CCARD	SOARING EAGLE CASINO &	FIRE INSPECTOR CONFERENCE	316.92
04/28/2023	CCARD	AMAZON MARKETPLACE	SUPPLIES FOR SPECIAL EVENTS	151.96
04/28/2023	CCARD	TRACTOR SUPPLY COMPANY	MUCK BOOTS & ALUMINUM SCOOPS	619.14
04/28/2023	CCARD	TROPICAL SMOOTHIE	ELECTION LUNCH	32.22
04/28/2023	CCARD	AMAZON MARKETPLACE	FILE CABINET, LOCK BOXES, CHAIR, & MATTRESS COVER	1,457.28
04/28/2023	CCARD	ZOOM VIDEO COMMUNICATIONS	ONLINE MEETING ACCESS	794.47
04/28/2023	CCARD	WITMER PUBLIC SAFETY GROUP	HELMET	395.47
04/28/2023	CCARD	WALMART STORES, INC.	EVENT SUPPLIES	45.46

04/28/2023	CCARD	DAVIS & STANTON	UNIFORM COMMENDATION BARS	96.50
04/28/2023	CCARD	THE WALL STREET JOURNAL	MONTHLY SUBSCRIPTION - DIGITAL & PRINT	38.99
04/28/2023	CCARD	COMFORT INN & SUITES AND CONF CTR	CONFERENCE LODGING	89.25
04/28/2023	CCARD	ADOBE, INC.	MONTHLY SUBSCRIPTION FOR STOCK PHOTOS	29.99
04/28/2023	CCARD	MITA	MITA AD FOR WELLHOUSE DEMO	75.00
04/28/2023	CCARD	AMAZON MARKETPLACE	ELECTION & PASSPORT SUPPLIES	125.33
04/28/2023	CCARD	HARBOR FREIGHT TOOLS	VISE/DOLLIES, & PALLET JACK	699.97
04/28/2023	CCARD	AMERICAN HOME FITNESS	KETTLE BELL	35.99
04/28/2023	CCARD	ROYAL SCOT OF LANSING	WELLNESS EVENT	88.00
04/28/2023	CCARD	4 ALL PROMOS	YOUTH SPORTS SUPPLIES	385.45
04/28/2023	CCARD	LANSING REGIONAL CHAMBER	LANSING ECONOMIC CLUB LUNCH & REGIONAL DINNER	970.00
04/28/2023	CCARD	METROPOLITAN MECHANICAL INSPECT	MMIA TRAINING CLASS	70.00
04/28/2023	CCARD	HONEYBAKED HAM CO. AND CAFE	LUNCH DURING INTERVIEWS	96.48
04/28/2023	CCARD	THE UPS STORE	POSTAGE FOR MAILING EXAMS	11.98
04/28/2023	CCARD	COMMERCIAL VEHICLE SAFETY ALLIANCE	LOG BOOK	60.04
04/28/2023	CCARD	BUFFALO WILD WINGS	MEAL FOR LBWL/DELTA QUARTERLY MEETING	25.20
04/28/2023	CCARD	ACROSS THE STREET PRODUCTIONS, INC.	BLUE CARD CONFERENCE	830.00
04/28/2023	CCARD	MENARDS	MISC TOOLS & SUPPLIES	200.41
04/28/2023	CCARD	AUTO ZONE	LIGHTER	14.99
04/28/2023	CCARD	MICHIGAN STATE POLICE	GLHS CONFERENCE & HAZMAT CONFERENCE	800.00
04/28/2023	CCARD	MEIJER, INC.	SUPPLIES FOR SPECIAL EVENTS	515.77
04/28/2023	CCARD	YOURMEMBERSHIP.COM, INC.	MML CLASSIFIED AD CLERK & MGR DPT ASSISTANT	300.00
04/28/2023	CCARD	GRAINGER	ANEMOMETER	59.86
04/28/2023	CCARD	GOVERNMENTJOBS.COM	JOB POSTING SUBSCRIPTION	1,500.00
04/28/2023	CCARD	STATE OF MICHIGAN	MT HOPE WELL	204.00
04/28/2023	CCARD	COMCAST	CABLE TV SERVICE (3/29/23-4/28/23)	87.12
04/28/2023	CCARD	BASIC	ACA REPORTING	1,258.00
04/28/2023	CCARD	LOWES BUSINESS ACCOUNT	AQUATICS SUPPLIES & MISC PARTS	910.06
04/28/2023	CCARD	SUTPHEN CORPORATION	ENGINE REPAIR CONFERENCE	1,200.00
04/28/2023	CCARD	COMCAST	SERVICE @ MULTIPLE LOCATIONS (MAR - APR 23)	273.70
04/28/2023	CCARD	BJ'S WHOLESALE	GATORADE & WATER	130.68
04/28/2023	CCARD	ASE TEST FEES	LICENSE RENEWAL - W.WING	140.00
04/28/2023	CCARD	BSHIFTER	BLUE CARD TRAINING	94.00
04/28/2023	CCARD	CITY LIMITS SPORTS GRILL	MIDDLE OF THE MITTEN MEETING	34.32

04/28/2023	CCARD	FAIRFIELD INN	CONFERENCE HOTEL	425.50
04/28/2023	CCARD	FASTSPRING	BLUE CARD SOFTWARE FOR NEW IPADS	1,934.50
04/28/2023	CCARD	FDIC/JEMS	TRAINING CONFERENCE	87.00
04/28/2023	CCARD	JOHNNY'S SELECTED SEEDS	SEEDS	76.30
04/28/2023	CCARD	MICPA	TRAINING CLASS	185.00
04/28/2023	CCARD	OTC BRANDS	KIDS DAY SUPPLIES	117.93
04/28/2023	CCARD	PANDA EXPRESS	ELECTION LUNCH	64.34
04/28/2023	CCARD	SUPERIOR PRINTING	CHECK SCANNER	512.22
04/28/2023	CCARD	TICKETMASTER	LEADERSHIP TRAINING	941.45
04/28/2023	CCARD	EATON COUNTY TREASURER	TREES	40.81
04/28/2023	CCARD	MAMC	MAMC CONFERENCE	575.00
05/01/2023	EFT	CHASE	WATER BOND PMT	512,382.75
05/03/2023	EFT	MISSION SQUARE	PMT TO MISSIONSQUARE FOR OPEB TRUST	32,650.00
05/03/2023	327048	BRD PRINTING, INC.	A/P CHECKS	532.83
05/03/2023	327049	MONICA COLEMAN	SENSE OF BALANCE CLASSES	192.00
05/03/2023	327050	CONSUMERS ENERGY	SERVICE @ 7419 E MT HOPE HWY (MAR - APR 23)	902.70
05/03/2023	327051	FIDELITY SECURITY LIFE INS/ EYEMED	VISION INSURANCE COVERAGE - MAY 2023	1,553.37
05/03/2023	327052	WEX BANK	FUEL PURCHASES FOR TWP FLEET APR 23	16,218.01
05/03/2023	327053	HUMANA INSURANCE CO.	RETIREES MEDICAL INSURANCE - MAY 2023	20,120.94
05/03/2023	327054	LANSING BOARD OF WATER & LIGHT	SERVICE @ MULTIPLE LOCATIONS, STREETLIGHTS	74,584.32
05/03/2023	327056	YUMEI LI-BACHAR	TAI CHI CLASSES - WIINTER 2ND SESSION	132.00
05/03/2023	327057	METRO FIBERNET LLC	SERVICE @ ENRICHMENT CENTER (APR - MAY 23)	341.61
05/03/2023	327058	LASHUNDA THOMAS	REFUND P&R RENTAL DEPOSIT	250.00
05/03/2023	327059	CAROL WRAY	REFUND P&R RENTAL DEPOSIT	300.00
05/03/2023	327060	SUN LIFE FINANCIAL	ACCIDENT & CRITICAL ILLNESS INSURANCE - APR 23	1,607.90
05/03/2023	327061	TRACTOR SUPPLY CREDIT PLAN	STATEMENT FOR SUPPLIES & MATERIALS - APR 23	430.22
05/03/2023	327062	KELLERMAN, DORIS	REFUND W/S FOR ACCOUNT: 00014875	28.11
05/03/2023	327063	BARNABA, MICHAEL	REFUND W/S FOR ACCOUNT: 00016773	11.27
05/03/2023	327064	DILLS, TERRALD	REFUND W/S FOR ACCOUNT: 00038342	9.64
05/03/2023	327065	JOHNSON, ASHLEY	REFUND W/S FOR ACCOUNT: 00036252	90.00
05/03/2023	327066	PURCHIS, HOMER E JR	REFUND W/S FOR ACCOUNT: 00006649	5.70
05/03/2023	327067	AUTO CLUB GROUP	REFUND W/S FOR ACCOUNT: 00006380	96.76
05/03/2023	327068	BRD PRINTING, INC.	A/P CHECKS	532.83
05/04/2023	EFT	INSIGHT NORTH AMERICA LLC	INVESTMENT ADVISORY SERVICES - MARCH 2023	2,138.58

05/04/2023	EFT	CSC	ST JOE WATER MAIN PATH EASEMENT	39.00
05/05/2023	327070	CONSUMERS ENERGY	SERVICE @ 215 SNOW (3/15/23-4/13/23)	107.37
05/08/2023	EFT	EATON COUNTY TREASURER	DELINQUENT TAX DISTRIBUTION (1/1/23-4/30/23)	8,114.05
05/08/2023	EFT	EATON RESA	DELINQUENT TAX DISTRIBUTION (1/1/23-4/30/23)	1,754.62
05/08/2023	EFT	GRAND LEDGE PUBLIC SCHOOLS	DELINQUENT TAX DISTRIBUTION (1/1/23-4/30/23)	3,903.46
05/08/2023	EFT	INGHAM INTERMEDIATE SCHOOLS	DELINQUENT TAX DISTRIBUTION (1/1/23-4/30/23)	312.61
05/08/2023	EFT	LANSING COMMUNITY COLLEGE	DELINQUENT TAX DISTRIBUTION (1/1/23-4/30/23)	1,157.75
05/08/2023	EFT	WAVERLY COMMUNITY SCHOOLS	DELINQUENT TAX DISTRIBUTION (1/1/23-4/30/23)	4,943.87
05/10/2023	327079	CAROL ADADO	ELECTION WORKERS - PRECINCT 10 & 16	217.00
05/10/2023	327080	SUSAN K ADSIT	ELECTION WORKERS - PRECINCT ACVB	196.00
05/10/2023	327081	SARAH LYNN ANDERTON	ELECTION WORKERS - CLASS ONLY	33.75
05/10/2023	327082	JUDY BAUM	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327083	DORENE BECKLEY	ELECTION WORKERS - PRECINCT 14 & 15	220.50
05/10/2023	327084	JILL BLACK	SOFTBALL SCOREKEEPER - WEEK 1 & 2	180.00
05/10/2023	327085	PATRICK BOHAC	ELECTION WORKERS - PRECINCT 10 & 16	400.00
05/10/2023	327086	BRAYLON SOBCZYK	SOCCER REF PAYROLL - WEEK 1 & 2	105.00
05/10/2023	327087	EARL BREEN	ELECTION WORKERS - PRECINCT 2	435.00
05/10/2023	327088	JOAN CAPEL	ELECTION WORKERS - PRECINCT 8 & 9	255.00
05/10/2023	327089	CAPITAL AREA UNITED WAY	PAYROLL WITHHOLDING 5/5/2023	29.23
05/10/2023	327090	CLARENCE CLARK	SOFTBALL SCOREKEEPER WEEK 2	30.00
05/10/2023	327091	CONNIE COMPTON	SOFTBALL SCOREKEEPER WEEK 2	60.00
05/10/2023	327092	CONSUMERS ENERGY	STREET LIGHTS - APR 23	3,825.76
05/10/2023	327093	DAVID CORRIE	ELECTION WORKERS - PRECINCT 2	255.00
05/10/2023	327094	BRYCE CUNNINGHAM	SOCCER WEEK 1 & 2	60.00
05/10/2023	327095	DELEE DANKENBRING	SOFTBALL SCOREKEEPER - WEEK 1 & 2	270.00
05/10/2023	327096	DENISE COELHO	HOUSE OF THE HEART PAINTING CLASS	28.00
05/10/2023	327097	LOGAN DEXTROM	SOCCER WEEK 1 & 2	120.00
05/10/2023	327098	JOHN DUFF	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327099	MARY ANNE DUFF	ELECTION WORKERS - PRECINCT ACVB	196.00
05/10/2023	327100	SHANTA ELLSWORTH	ELECTION WORKERS - PRECINCT ACVB	196.00
05/10/2023	327101	PETER W ENGEL	ELECTION WORKERS - PRECINCT 11 & 12	217.00
05/10/2023	327102	VIRGINIA SUE FORSTOT	ELECTION WORKERS - PRECINCT 2	220.50
05/10/2023	327103	SUSAN FOX	ELECTION WORKERS - PRECINCT 3 & 4	240.00
05/10/2023	327104	JAMES FRAZER	ELECTION WORKERS - PRECINCT 11 & 12	410.00

05/10/2023	327105	ALYSANDRA GANEM-REDD	ELECTION WORKERS - PRECINCT 5 & 6	285.00
05/10/2023	327106	JAMES GILLIES	ELECTION WORKERS - PRECINCT 14 & 15	220.50
05/10/2023	327107	JANE GORDON	ELECTION WORKERS - PRECINCT 5 & 6	258.75
05/10/2023	327108	GRANGER	CONTAINER SERVICE - MAY 2023	2,401.92
05/10/2023	327109	GREAT LAKES EXPRESS SERVICE, INC.	MONTHLY MAIL SERVICE - FEBRUARY 2023	320.00
05/10/2023	327110	MAE HAAN	ELECTION WORKERS - PRECINCT 8 & 9	245.00
05/10/2023	327111	DUSTIN HALL	REIMBURSEMENT - MEALS FOR HAZMAT CONFERENCE	108.80
05/10/2023	327112	MICHELLE HART	ELECTION WORKERS - PRECINCT 11 & 12	240.00
05/10/2023	327113	RUTHIE HODGE	ELECTION WORKERS - PRECINCT 8 & 9	224.00
05/10/2023	327114	DOUGLAS HOEK	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327115	DAVID HOWELL	ELECTION WORKERS - CLASS ONLY	14.00
05/10/2023	327116	JAYDEN PHAM	SOCCER - WEEK 1 & 2	60.00
05/10/2023	327117	CURTIS JACKSON	SMILE WHILE YOU SWEAT CLASS & GET YOUR G	273.60
05/10/2023	327118	REGINA JOHNSON	ELECTION WORKERS - PRECINCT 8 & 9	415.00
05/10/2023	327119	RORY KAUFFMAN	SOCCER WEEK 1 & 2	105.00
05/10/2023	327120	ROBERT LANE	REIMBURSEMENT - POLITICAL & LEGAL CLASS	624.75
05/10/2023	327121	LANSING BOARD OF WATER & LIGHT	SERVICE @ MULTIPLE LOCATIONS, WHOLESALE APR 23	270,302.69
05/10/2023	327122	DEBORAH LARKIN	ELECTION WORKERS - PRECINCT 8 & 9	281.25
05/10/2023	327123	ERIN LIVISKIE	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327124	WILLIAM LONG	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327125	LOOMIS	ARMORED SERVICE - APRIL 2023	385.64
05/10/2023	327126	LOWES BUSINESS ACCOUNT	SUPPLIES & MATERIALS FOR MULTIPLE DEPTS	4,085.73
05/10/2023	327127	THOMAS MAILAND	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327128	SUZANNE MASON	ELECTION WORKERS - PRECINCT 5 & 6	252.00
05/10/2023	327129	CHRISTOPHER MATTSON	ELECTION WORKERS	435.00
05/10/2023	327130	MARILYN MERRIFIELD	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327131	MARILYN METZMAKER	ELECTION WORKERS - PRECINCT AVCB	325.00
05/10/2023	327132	LAVERNE MICKEL	ELECTION WORKERS - PRECINCT AVCB	325.00
05/10/2023	327133	DAVID MILLER	SOFTBALL SCOREKEEPER - WEEK 1 & 2	150.00
05/10/2023	327134	JOANNE MOENING	ELECTION WORKERS - PRECINCT AVCB	325.00
05/10/2023	327135	SUSAN BENNETT MONCADA	ELECTION WORKERS - PRECINCT ACVB	196.00
05/10/2023	327136	RYAN MORRISSEY	REIMBURSEMENT - EMERG MGMT CONF & LICENSE	404.00
05/10/2023	327137	JOHN MUENZER	ELECTION WORKERS - PRECINCT 11 & 12	251.25
05/10/2023	327138	NEIL O'BRIEN	ELECTION WORKERS - PRECINCT 14 & 15	273.75

05/10/2023	327139	DENNIE LYNN OLSON	ELECTION WORKERS - PRECINCT AVCB	196.00
05/10/2023	327140	LINDA CROWE	REFUND P&R RENTAL DEPOSIT	250.00
05/10/2023	327141	MARY KWAS	REFUND P&R AIR ZOO TRIP	79.00
05/10/2023	327142	SHEENA LOVAAS	REFUND SPRING SOCCER	40.00
05/10/2023	327143	DONN SZOSTAK	REFUND P&R AIR ZOO TRIP	79.00
05/10/2023	327144	SHERYL SZOSTAK	REFUND P&R AIR ZOO TRIP	79.00
05/10/2023	327145	CATHY HARNEY	REFUND P&R AIR ZOO TRIP	79.00
05/10/2023	327146	KIRK HARNEY	REFUND P&R AIR ZOO TRIP	79.00
05/10/2023	327147	CAROLYNN PATTERSON	ELECTION WORKERS - PRECINCT 1 & 7	220.50
05/10/2023	327148	AVYHAR PAYDAWY	SOCCER WEEK 1 & 2	60.00
05/10/2023	327149	BEVERLY PILLAR	ELECTION WORKERS - PRECINCT 5 & 6	415.00
05/10/2023	327150	JEANNETTE PIZZO	ELECTION WORKERS - PRECINCT 1 & 7	247.50
05/10/2023	327151	JILL PLATE	ELECTION WORKERS - AVCB	325.00
05/10/2023	327152	SHARON POTTER	SOFTBALL SCOREKEEPER - WEEK 1 & 2	180.00
05/10/2023	327153	ADDISON PUCK	ELECTION WORKERS - PRECINCT 14 & 15	234.50
05/10/2023	327154	DAVID PUCK	ELECTION WORKERS - PRECINCT 14 & 15	395.00
05/10/2023	327155	HEIDI PUNG	ELECTION WORKERS PRECINCT - 1 & 7	370.00
05/10/2023	327156	BARBARA ROSSI	ZUMBA, STRENGTH, PILATES SPRING CLASSES	1,772.00
05/10/2023	327157	JOHN ROSSI	TRX SUSPENSION TRAINING CLASSES	70.00
05/10/2023	327158	SAFELITE	E-411 - REISSUE CK 326446	85.00
05/10/2023	327159	TERESA SALISBURY	SOFTBALL SCOREKEEPER - WEEK 1 & 2	120.00
05/10/2023	327160	NEDAR SAMS	ELECTION WORKERS - CLASS ONLY	14.00
05/10/2023	327161	LINDA SCHAIBLE	ELECTION WORKERS - PRECINCT 3 & 4	231.00
05/10/2023	327162	KIMBERLY SCHOBERT	ELECTION WORKERS - PRECINCT 5 & 6	224.00
05/10/2023	327163	JAMES SCHWEITZER	ELECTION WORKERS - PRECINCT 3 & 4	375.00
05/10/2023	327164	SHARON FRAZER	ELECTION WORKERS - PRECINCT 11 & 12	259.00
05/10/2023	327165	SYBIL SHELTON-FORD	FAMILY YOGA CLASSES	216.00
05/10/2023	327166	JODI SIMON	ELECTION WORKERS - PRECINCT 2	227.50
05/10/2023	327167	JANET SMALL	ELECTION WORKERS - PRECINCT 3 & 4	266.25
05/10/2023	327168	DORIS JANE STANLEY	ELECTION WORKERS - PRECINCT 10 & 16	217.00
05/10/2023	327169	JOSEPH E STATEN	ELECTION WORKERS - PRECINCT 2	236.25
05/10/2023	327170	WESLEY VANVLECK	ELECTION WORKERS - PRECINCT 10 & 16	236.25
05/10/2023	327171	JANIS VASILION	ELECTION WORKERS - PRECINCT 14 & 15	220.50
05/10/2023	327172	VERIZON	CELL PHONE SERVICE 3/27/23-4/26/23	4,024.56

05/10/2023	327173	ALLEN EDWIN HOMES	REFUND W/S FOR ACCOUNT: 00038401	13.15
05/10/2023	327174	GREAT LAKE REALTY	REFUND W/S FOR ACCOUNT: 00036503 REISSUE 325995	323.21
05/10/2023	327175	PHILLIPS, LISA	REFUND W/S FOR ACCOUNT: 00034999	70.02
05/10/2023	327176	CAROL WALKER	ELECTION WORKERS - PRECINCT 1 & 7	220.50
05/10/2023	327177	KURT WARNER	ELECTION WORKERS - PRECINCT 11 & 12	380.00
05/10/2023	327178	DIANE M. WELDON	ELECTION WORKERS - PRECINCT 10 & 16	232.50
05/10/2023	327179	ROBERT WELDON	ELECTION WORKERS - PRECINCT 1 & 7	255.00
05/10/2023	327180	RONDA LYNN WHITING	ELECTION WORKERS - PRECINCT 14 & 15	220.50
05/10/2023	327181	ADAM WIESE	ELECTION WORKERS - PRECINCT 3 & 4	244.00
05/17/2023	327182	THE ACCUMED GROUP	BILLING SERVICE FEE - EMS & FIRE - APRIL 23	6,911.09
05/17/2023	327183	ADVANCED TURF SOLUTIONS, INC.	AIR INDUCTION SPRAY NOZZLES & SAND	3,976.35
05/17/2023	327184	AIRGAS USA, LLC	OXYGEN & CYLINDER RENTAL	1,475.71
05/17/2023	327185	ALLEGRA PRINT & IMAGING	DELTA 2023 MAGAZINE & MAILING	9,256.94
05/17/2023	327186	COLONIAL PENN LIFE INSURANCE	REFUND OVERPAYMENT OF AMBULANCE FEES	74.77
05/17/2023	327187	AMBS MESSAGE CENTER	PARKS & UTILITIES ANSWERING SERVICE	232.27
05/17/2023	327188	TELEFLEX LLC	NEEDLE SETS & STABLILIZERS	1,345.50
05/17/2023	327189	ASBESTOS ABATEMENT INC.	DEMOLITION - 1526 N CANAL RD	22,680.00
05/17/2023	327190	AUTO VALUE PARTS STORE	MISC PARTS, TOOLS, & SUPPLIES	3,113.86
05/17/2023	327192	B&D ELECTRIC, INC.	UNDERGROUND POWER FROM PAVILION TO RESTROOM	3,283.37
05/17/2023	327193	BARYAMES CLEANERS, INC.	CHIEF & ASST CHIEFS UNIFORMS - LAUNDRY APR 23	134.98
05/17/2023	327194	BEST AIRE COMPRESSOR SERVICES, INC	HOSE FOR AIR COMPRESSOR	454.72
05/17/2023	327195	BOUND TREE MEDICAL, LLC	MEDICAL SUPPLIES	4,035.28
05/17/2023	327196	CDW GOVERNMENT, INC.	CURVED MONITOR & BATTERIES	1,337.74
05/17/2023	327197	CINTAS CORPORATION #725	MATS FOR SUBSTATION	80.36
05/17/2023	327198	CITY OF LANSING	TAX SETTLEMENT REFUND	224.03
05/17/2023	327199	CIVIC PLUS	MUNICODE ADMINISTRATIVE SUPPORT FEE	450.00
05/17/2023	327200	CLASSIC COFFEE CO.	COFFEE, CREAM, SUGAR - STATIONS #1 & #3	530.50
05/17/2023	327201	COLE PAPER INC.	SCBA PROTECTIVE GEAR DECONTAMINATION	139.40
05/17/2023	327202	CHRIS CORNWELL	KIDS DAY - BALLOON TWISTING	200.00
05/17/2023	327203	COTTAGE GARDENS, INC.	HYDROSEEDER RENTAL & LIQUID HYDRO MIX	671.63
05/17/2023	327204	CRIPPEN	CHEVY SILVERADO - BRAKE CYLINDER REPAIR	1,866.51
05/17/2023	327205	DEERE & COMPANY	ZERO TURN MOWER	9,277.76
05/17/2023	327206	DELTA EMBROIDERY, INC.	EMPLOYEE APPRECIATION SUPPLIES	4,121.42
05/17/2023	327207	DICKINSON WRIGHT PLLC	SANITARY INTERCEPTOR & DVLPT AGMT PROF SERVICES	2,234.76

05/17/2023	327208	DUNIGAN BROTHERS	ULTIUM LS & ULTIUM 3 PAYMENT 5	1,083,569.93
05/17/2023	327209	DYER WELL DRILLING & SERVICE, INC.	WELL ABANDONMENT	1,200.00
05/17/2023	327210	E&L CONTRACTORS, INC	MILLETT RD INTERIOR PAINTING & MINOR REPAIR	159,533.00
05/17/2023	327211	EATON COUNTY	56 A DISTRICT COURT PAYMENTS - MAR 23	1,901.43
05/17/2023	327212	EATON COUNTY TREASURER	DISTRIBUTION OF SPACE TAX MONIES - APRIL 23	537.50
05/17/2023	327213	EATON COUNTY DRAIN COMMISSION	SPICER INVOICE 220019	800.00
05/17/2023	327214	EATON COUNTY ROAD COMMISSION	SALT	927.89
05/17/2023	327215	EATON COUNTY ROAD COMMISSION	SIGNAL ENERGY -FEBRUARY 2023	24.36
05/17/2023	327216	J.C. EHRLICH	PEST CONTROL MAINTENANCE	70.00
05/17/2023	327217	EJ USA, INC.	HYDRANT PARTS	646.48
05/17/2023	327218	ETNA SUPPLY COMPANY	REGISTERS, METERS, VALVES, & CURB BOX PARTS	7,468.00
05/17/2023	327219	FACILITY SOLUTIONS, INC.	DOG WASTE DISPENSER AND BAGS, HAND SOAP	849.62
05/17/2023	327220	FERGUSON ENTERPRISES, INC.#2000	MISC PARTS	16.78
05/17/2023	327221	FERGUSON WATERWORKS #3386	PARTS FOR YARD HYDRANT AT SHOP & BOLT PACKS	2,673.49
05/17/2023	327222	FIBERTEC ENVIRONMENTAL SERVICES	INFLUENT PFAS, BIOSOLIDS MONITORING, DT-CAT-001	553.00
05/17/2023	327223	FLAT OUT GRAPHICS	SHORT SLEEVE JERSEYS	2,365.50
05/17/2023	327224	FLEETPRIDE	FUEL/WATER SEPARATOR	71.16
05/17/2023	327225	FLUID CONNECTIONS, INC	VALVES, HOSE, & PARTS	186.04
05/17/2023	327226	USA TODAY NETWORK	NOTARIZED ADVERTISING - MAR & APR 2023	2,366.35
05/17/2023	327227	GRAND LEDGE PAVING LLC	CAMBRIDGE LIFTSTATION DRIVEWAY ASPHALT	22,792.50
05/17/2023	327228	GRAINGER	MOVING HARNESS & TRASH BAGS	148.89
05/17/2023	327229	GRAYBAR	EL2 PARTS - THERMAL UNIT - ULTIUM LIFTSTATION	377.04
05/17/2023	327230	GRAYMONT WESTERN LIME, INC.	HIGH CALCIUM QUICKLIME	7,306.94
05/17/2023	327231	HALLAHAN & ASSOCIATES	TAX TRIBUNAL PROFESSIONAL SERVICES	700.00
05/17/2023	327232	HAMMOND FARMS	SOIL	112.50
05/17/2023	327233	INTERNATIONAL MINUTE PRESS	W/S BILLS - APRIL 2023 & INSPECTION STICKERS	5,825.86
05/17/2023	327234	I/O SOLUTIONS, INC.	NEXT GENERATION FIREFIGHTER/EMT EXAMS	40.00
05/17/2023	327235	JOEL TACEY'S TIPTOP ENTERTAINMENT	KIDS DAY - SHOW	595.00
05/17/2023	327236	K&H CONCRETE CUTTING OF LANSING	CONCRETE CUTTING @ VARIOUS LOCATIONS	571.20
05/17/2023	327237	KENDALL ELECTRIC INC.	SCADA PLC PARTS & EL2 PARTS	1,523.22
05/17/2023	327238	MARCUS KIRKPATRICK	MILEAGE REIMBURSEMENT - GOVERNOR'S CONF	78.60
05/17/2023	327239	KODIAK EMERGENCY VEHICLES	INTERSECTOR LED MIRROR & STRIKER SLAM ACTION	258.79
05/17/2023	327240	LACROSSE SEED	GRASS SEED	418.00
05/17/2023	327241	LEICA GEOSYSTEMS INC.	1 YR CS20 BASIC CCP	590.00

05/17/2023	327242	MI ASSOC OF HOUSING OFFICIALS	SUMMER CONFERENCE - S.HASKIN	395.00
05/17/2023	327243	MI ASSOC OF HOUSING OFFICIALS	SUMMER CONFERENCE - K.FIGUEIREDO	395.00
05/17/2023	327244	MARK'S LOCK SHOP, INC.	PARKS LOCKS	108.00
05/17/2023	327245	USA SOFTBALL OF MICHIGAN	SOFTBALL REGISTRATIONS & TEAMS	2,880.00
05/17/2023	327246	MAURER'S	UTILITIES UNIFORMS APR 23	733.56
05/17/2023	327247	MCCARDEL RESTORATION	DAMAGE CLEANUP WORK	585.00
05/17/2023	327248	MED ALLIANCE GROUP, INC	EOLIFE X TRAINING DEVICE	1,471.11
05/17/2023	327249	BRADLEY MEISTER	CDL RENEWAL REIMBURSEMENT	25.00
05/17/2023	327250	MENARDS	MISC PARTS & SUPPLIES	608.38
05/17/2023	327251	MICHIGAN ASSESSORS ASSOCIATION	SUMMER CONFERENCE REGISTRATION - J.PAWLEY	275.00
05/17/2023	327252	MICHIGAN ASSOCIATION OF PLANNING	SPRING INSTITUTE - P.MENSER	165.00
05/17/2023	327253	MICHIGAN COMPANY, INC.	JANITORIAL SUPPLIES	136.50
05/17/2023	327254	MI RESCUE RESOURCES	REPAIR TOOLS & LABOR	382.80
05/17/2023	327255	MOORE & BRUGGINK, INC.	HAWK MEADOW PARK & WEBSTER RD PROF SERVICES	6,674.90
05/17/2023	327256	MYERS PLUMBING & HEATING, INC.	NEW SUMP PUMP	741.05
05/17/2023	327257	NCL OF WISCONSIN	WRRF PHASE I - NEW LAB EQUIP	8,190.69
05/17/2023	327258	NELSON TANK ENGINEERING & CONS	ENGINEERING SERVICES MILLETT TOWER	9,940.00
05/17/2023	327259	NEW PIG CORPORATION	OIL ABSORBENT SOCKS & COPPER TUMBLR	136.57
05/17/2023	327260	NORTH AMERICAN SAFETY, INC	T-SHIRTS	392.25
05/17/2023	327261	NYE UNIFORM	BADGES, PANTS, & ALTERATIONS	1,277.50
05/17/2023	327262	CANON SOLUTIONS AMERICA, INC.	COPIER MAINTENANCE - MAY 23 & 1Q23	1,156.68
05/17/2023	327263	OHM ADVISORS	GM, BP1,2,3, WILLOW LS, DELTA MARKET PROF SERVICES	189,009.25
05/17/2023	327264	PAKOR, INC.	PASSPORT LIGHT SCREEN & MEDIA ROLLS	812.56
05/17/2023	327265	PJ'S TOWING, LLC	TOW - CHEVROLET SILVERADO	65.00
05/17/2023	327266	PROGRESSIVE AE	WEST SAGINAW HWY CORRIDOR PLAN - PROF SERVICES	1,323.75
05/17/2023	327267	PRO-TECH MECHANICAL SERVICES OF MI	BOILER MAINTENANCE	360.00
05/17/2023	327268	PURITY CYLINDER GASES, INC	WELDING GAS	97.54
05/17/2023	327269	PVS TECHNOLOGIES, INC.	FERRIC CHLORIDE SOLUTION	10,501.65
05/17/2023	327270	QUALITY TIRE, INC.	REPAIR LT TRUCK - GMC SIERRA, TIRE & RIM DISPOSAL	88.00
05/17/2023	327271	HARRY SETTIMI	ST JOE WATER MAIN PATH OPTION AGREEMENT	500.00
05/17/2023	327272	SME	WWTP PROF SERVICES THROUGH 4/2/23	4,804.15
05/17/2023	327273	SPARROW OCCUPATIONAL HEALTH	NEW HIRE EXAM	699.00
05/17/2023	327274	SPECTRUM PRINTERS, INC.	ELECTION BALLOTS	8,792.43
05/17/2023	327275	SPICER GROUP	CARRIER CREEK PROF SERVICES THROUGH 4/1/23	21,986.50

05/17/2023	327276	STERICYCLE, INC.	MEDICAL WASTE DISPOSAL SERVICE	47.25
05/17/2023	327277	TETRA TECH, INC.	WWTP, CARRIER CREEK, & GM ULTIUM PROF SERVICES	199,546.59
05/17/2023	327278	TASTE OF HEAVEN	MEALS FOR TRAINING	922.50
05/17/2023	327279	TURNOUT RENTAL, LLC	WORK ORDER 24054 - CLOTHING REPAIRS	505.90
05/17/2023	327280	PLANET X EVENTS	KIDS DAY - INFLATABLES	785.00
05/17/2023	327281	USA BLUE BOOK	2" HYDRANT FOR WATER LINE @ SHOP	642.71
05/17/2023	327282	DAVID WALIGORA	REIMBURSEMENT FOR WEBINAR	150.00
05/17/2023	327283	ZOLL MEDICAL CORP	RESQPOD ITD 10	1,165.90
05/19/2023	EFT	COMMERCIAL CONTRACTING CORP	WRRF CAPITAL IMPVT PROJECT APR 23	2,891,515.13
			PAYABLES	$ 5,774,870.15
			PAYROLL PAY ENDING 04/29/2023	$ 421,794.35
				$ 6,196,664.50

CHARTER TOWNSHIP OF DELTA
Public Meeting Room A
Delta Township Administration Building
7710 West Saginaw Highway
Lansing, MI 48917

TOWNSHIP BOARD REGULAR MEETING MINUTES FOR MONDAY, MAY 1, 2023

I. CALL TO ORDER

Supervisor Fletcher called the meeting to order at 6:00pm.

II. OPENING CEREMONIES – Pledge of Allegiance

III. ROLL CALL

Members Present: Supervisor Kenneth R. Fletcher, Clerk Mary R. Clark, Treasurer Dennis R. Fedewa, Trustee Elizabeth S. Bowen, Trustee Fonda J. Brewer, Trustee Andrea M. Cascarilla, and Trustee Karen J. Mojica

Members Absent:

Others Present: Manager Brian T. Reed, Finance Director Courtney Nicholls, Building Director Matt Leach, Township Engineer Ernie West, Senior Engineer Jacob Kleinhenz, Fire Chief Gregg Ginebaugh, Lieutenant Elbert (Al) Sidel, Human Resources Director Kyla Moore, Assistant to the Manager/ Communications Administrator Mary Worland, Parks, Recreation and Cemeteries Director Marcus Kirkpatrick, Planning Director Gary Bozek, Community & Economic Development Director Peter Menser, Utilities Director Rick Kane.

IV. PRESENTATIONS AND PROCLAMATIONS

Back to Agenda

1. Delta Community Choir 10th Anniversary Resolution

SUPERVISOR FLETCHER MOVED TO ACCEPT THE DELTA COMMUNITY CHOIR 10TH ANNIVERSARY RESOLUTION.

TRUSTEE CASCARILLA SUPPORTED THE MOTION.



DELTA TOWNSHIP

CHARTER TOWNSHIP OF DELTA
RESOLUTION OF RECOGNITION OF
10TH ANNIVERSARY OF THE DELTA COMMUNITY CHOIR

WHEREAS, The Delta Community Choir is celebrating their 10th Anniversary; and

WHEREAS, the organization is a not-for-profit adult Soprano, Alto, Tenor, Bass (SATB) choir that combines the love of choral singing with community service; and

WHEREAS, the Delta Community Choir was created to build community through song by providing individuals with a forum for music education and self-expression through the choral arts; and

WHEREAS, The Delta Community Choir is Directed by the talented Ellen McKenzie, whose passion has helped to inspire over 60 diverse individuals to comingle their talents to create beautiful music for the sole purpose of giving back to their community; and

WHEREAS, The choir performs two concerts each year (spring and winter) and charges no admission but rather, each concert spotlights a local non-profit organization that benefits from freewill donations from audience members; and

WHEREAS, Through its performances, the Delta Community Choir has generated more than $36,000, with 100% of those dollars going to support local non-profit organizations, many supporting or located in the Delta Township Community.

NOW THEREFORE, BE IT HEREBY RESOLVED that on this first day of May two-thousand twenty-three the Delta Township Board does hereby recognize and celebrate the 10th Anniversary of the Delta Community Choir and thank them for their contributions and support of the Delta Township Community.

Kenneth R. Fletcher, Supervisor
Mary R. Clark, Clerk
Dennis R. Fedewa, Treasurer
Elizabeth S. Bowen, Trustee
Fonda J. Brewer, Trustee
Andrea M. Cascarilla, Trustee
Karen J. Mojica, Trustee

THE MOTION PASSED 7-0.

2. Jasmine Star Miles Foundation Resolution of Tribute

SUPERVISOR FLETCHER MOVED TO ACCEPT THE JASMINE STAR MILES FOUNDATION RESOLUTION OF TRIBUTE.

TRUSTEE MOJICA SUPPORTED THE MOTION.



DELTA TOWNSHIP

CHARTER TOWNSHIP OF DELTA
RESOLUTION OF TRIBUTE RECOGNIZING
THE JASMINE STAR MILES FOUNDATION

WHEREAS, the Jasmine Star Miles Memorial Foundation was established in 2005 to honor 13-year-old Waverly Middle School Student, Jasmine Star Miles who tragically lost her life in a pedestrian-automobile accident while walking home from school; and

WHEREAS, to ensure Jasmine's giving nature lived on, the Jasmine Star Miles Memorial Foundation was founded by Jasmine's family and friends with the goal to improve pedestrian safety and serve the community that Jasmine loved; and

WHEREAS, the Foundation established the Jasmine Star Miles Memorial Scholarship Fund to reflect the vibrant light and love of Jasmine to deserving college-bound high school seniors in the Lansing Area. Since its inception, the Jasmine Star Miles Foundation has awarded over 20 Scholarships; and

WHEREAS, on May 13, 2023 the Jasmine Star Miles Scholarship Tea, "Butterflies in Paradise" will celebrate the 20th Anniversary of Jasmine's homegoing by reflecting on her community impact over the years and awarding three scholarships, the Waverly Warrior Award, the Les Meres et Debutantes of Greater Lansing Community Service Award, and the Greater Lansing Area School District: Butterfly Award

NOW THEREFORE, BE IT HEREBY RESOLVED that on this first day of May two-thousand twenty-three the Delta Township Board does hereby recognize the Jasmine Star Miles Memorial Foundation and its commitment to honoring the life and legacy of Jasmine Star Miles and its service to the community.

Kenneth R. Fletcher, Supervisor
Mary R. Clark, Clerk
Dennis R. Fedewa, Treasurer
Elizabeth S. Bowen, Trustee
Fonda J. Brewer, Trustee
Andrea M. Cascarilla, Trustee
Karen J. Mojica, Trustee

THE MOTION PASSED 7-0.

3. Eaton County Drain Office Bank Intercounty Presentation

Chris Mattson, Spicer Group, a representative for the Eaton County Drain Office gave a presentation on the plans for the Bank Intercounty Drain, and introduced Brady Harrington, Chair of the Bank Intercounty Drainage Board, Ruthanne Clark, Eaton County Deputy Drain Commissioner, and Brittany Nichol, Attorney for the Drainage Board. After the initial petition for the project in November of 2021 and the Consolidation/Practicability Hearing in April of 2022, the Bank Intercounty Drain project was deemed necessary at a Hearing of Necessity on March 6, 2023. The goals for the project are to design and build based on a 10-year storm by upsizing pipes, regional stormwater detention and roadside infiltration. The cost for the project is projected to be $40 to $70 million dollars with bidding and assessment hearing starting in the fall of 2024 and construction to start summer of 2025 and continue through 2027.

V. SET/ADJUST AGENDA

TRUSTEE BREWER MOVED TO APPROVE THE AGENDA AS PRESENTED.

TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

VI. PUBLIC HEARING

VII. COMMUNICATIONS

VIII. PUBLIC COMMENTS

Edward Spagnuolo, 11661 Barretta Way - Spoke regarding the rezoning of the Broadbent development and concerns about heights of buildings and traffic.

Margaret Spagnuolo, 11661 Barretta Way – Spoke regarding the rezoning of the Broadbent development and concerns about drainage.

Michael Beck, 312 Barrington Cr – Spoke regarding the rezoning of the Broadbent development and concerns about the market being saturated for apartments.

IX. INTRODUCTION OF ORDINANCES

X. PASSAGE OF ORDINANCES

XI. CONSENT AGENDA

TRUSTEE MOJICA MOVED TO APPROVE THE CONSENT AGENDA AS PRESENTED.

TRUSTEE CASCARILLA SUPPORTED THE MOTION.

ROLL CALL:

AYES: SUPERVISOR FLETCHER, CLERK CLARK, TREASURER FEDEWA, TRUSTEE BOWEN, TRUSTEE BREWER, TRUSTEE CASCARILLA AND TRUSTEE MOJICA

NAYS: NONE

ABSENT: NONE

THE MOTION PASSED 7-0.

4. Bills and Financial Transactions

Bonds/Debt Payments	$	
Payroll & Related	$	424,732.61
Refunds	$	2,452.14
Tax Distributions	$	
Vendor Claims	$	2,823,651.48
Total	$	3,250,836.23

TRUSTEE MOJICA MOVED TO APPROVE THE CONSENT AGENDA AS PRESENTED.

TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

5. Minutes

a. Monday, April 3, 2023

b. Monday, April 10, 2023

TRUSTEE MOJICA MOVED TO APPROVE THE CONSENT AGENDA AS PRESENTED.

TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

6. **WRRF Major Capital Improvements Phase 1 Approval of Change Order No 4**

   TRUSTEE MOJICA MOVED THAT THE DELTA TOWNSHIP BOARD APPROVE THE PROPOSED CHANGE ORDER NO. 4 WITH COMMERCIAL CONTRACTING CORPORATION, INCREASING THE CONTRACT FOR PHASE 1 OF THE WATER RESOURCE RECOVERY FACILITY MAJOR CAPITAL IMPROVEMENTS PROJECT BY $36,914.78 FOR A TOTAL OF $73,306,501.00; I FURTHER MOVE, THAT THE TOWNSHIP MANAGER BE AUTHORIZED AND DIRECTED TO EXECUTE THE CHANGE ORDER NO 4 ON BEHALF OF THE TOWNSHIP.

   TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

7. **2023 Concrete Sidewalk and Pathway Replacement Program Bid Results and Recommendation for Award**

   TRUSTEE MOJICA MOVED THAT THE DELTA TOWNSHIP BOARD ACCEPT THE BID FROM BEARSTONE CONSTRUCTION FOR THE 2023 CONCRETE SIDEWALK AND PATHWAY REPLACEMENT PROGRAM PROJECT IN THE AMOUNT OF $106,855.00. I FURTHER MOVE THAT THE TOWNSHIP MANAGER BE AUTHORIZED AND DIRECTED TO EXECUTE THE NECESSARY DOCUMENTS RELATED TO THE AFOREMENTIONED PROJECT.

   TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

8. **2023 Concrete Sidewalk and Pathway Raising Program Bid Results and Recommendation for Award**

   TRUSTEE MOJICA MOVED THAT THE DELTA TOWNSHIP BOARD ACCEPT THE BID FROM A-1 CONCRETE LEVELING AND FOUNDATION REPAIR FOR THE 2023 CONCRETE SIDEWALK AND PATHWAY RAISING PROGRAM PROJECT IN THE AMOUNT OF $21,926.00. I FURTHER MOVE THAT THE TOWNSHIP MANAGER BE AUTHORIZED AND DIRECTED TO EXECUTE THE NECESSARY DOCUMENTS RELATED TO THE AFOREMENTIONED PROJECT.

   TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

9. Referral of Rezoning Request for 5217 Old Lansing Rd in Case No. 03-23-07

TRUSTEE MOJICA MOVED THAT THE DELTA TOWNSHIP BOARD REFER JEREMY HILL'S REQUEST TO REZONE THE PROPERTY DESCRIBED IN CASE 03-23-07 FROM O-OFFICE TO RA-VERY LOW DENSITY RESIDENTIAL, TO THE PLANNING COMMISSION FOR THE PURPOSES OF HOLDING A PUBLIC HEARING ON THE MATTER AND SUBMITTING A RECOMMENDATION TO THE TOWNSHIP BOARD.

TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

10. 2023 Municipal Water Well House Demolition Bid Results and Recommendation for Award

TRUSTEE MOJICA MOVED THAT THE DELTA TOWNSHIP BOARD ACCEPT THE BID FROM HANDY EXCAVATING, LLC FOR THE 2023 MUNICIPAL WATER WELL HOUSE DEMOLITION PROJECT IN THE AMOUNT OF $46,000.00. I FURTHER MOVE THAT THE TOWNSHIP MANAGER BE AUTHORIZED AND DIRECTED TO EXECUTE THE NECESSARY DOCUMENTS RELATED TO THE AFOREMENTIONED PROJECT.

TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

XII. ITEMS REMOVED FROM CONSENT AGENDA FOR DISCUSSION

XIII. ITEMS ADDED TO AGENDA UNDER SECTION V. SET/ADJUST AGENDA

XIV. OLD ITEMS OF BUSINESS

XV. NEW ITEMS OF BUSINESS

11. Waverly Community Schools Pool Lease Extension Agreement

TRUSTEE BOWEN MOVED THAT THE DELTA TOWNSHIP BOARD APPROVE THE ADDENDUM TO THE SWIMMING POOL AGREEMENT WITH THE WAVERLY COMMUNITY SCHOOL DISTRICT. I FURTHER MOVE THAT THE TOWNSHIP BOARD AUTHORIZES THE TOWNSHIP MANAGER TO SIGN THE AGREEMENT.

TREASURER FEDEWA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

12. 2023 Administration Building Interior Modifications Bid Results and Recommendation for Award

TRUSTEE BREWER MOVED THAT THE DELTA TOWNSHIP BOARD ACCEPT THE BID FROM WOLVERINE BUILDING GROUP FOR THE 2023 ADMINISTRATION BUILDING INTERIOR MODIFICATIONS PROJECT IN THE AMOUNT OF $176,359.00. I FURTHER MOVE THAT THE TOWNSHIP MANAGER BE AUTHORIZED AND DIRECTED TO EXECUTE THE NECESSARY DOCUMENTS RELATED TO THE AFOREMENTIONED PROJECT.

TREASURER FEDEWA SUPPORTED THE MOTION. THE MOTION PASSED 7-0.

XVI. MANAGER'S REPORT – Brian Reed, Township Manager

Manager Reed presented his updates to the Township Board:

- Bio solids field application completed.
- Millet Tower work continues with the old pipe removed and the new pipe currently on site, waiting for expansion joints.
- Consumers Energy Gas project is on schedule to be finished mid-May.
- Business owners have been notified of new CATA bus stop placements along the Saginaw Corridor, service to start May 8th.
- ECSO work crew has been absent but are back with a replacement Deputy.
- Human Resources and Parks staff attended the Waverly High School job fair looking for seasonal positions and lifeguards.
- Election tomorrow, Tuesday, May 2, 2023.
- Non-disclosure agreements questions were discussed.

XVII. COMMITTEE OF THE WHOLE

13. Private Development Update

Township Engineer, Ernie West, and Utilities Director Rick Kane presented an update on private developments throughout the Township and their challenges to the sewer system and potential solutions.

14. Fire Department Annual Report

Fire Chief, Gregg Ginebaugh, presented the Fire Department 2022 Annual Report to the Board.

XVIII. CLOSED SESSION

XIX. PUBLIC COMMENTS

Betsy Burger, 7727 Barsfield Ln - Spoke regarding the rezoning of the Broadbent development and concerns about storm sewer inadequacy.

Teresa Catey, 8716 Huntington Dr – Spoke regarding the rezoning of the Broadbent development and concerns about flooding.

Thomas Kisnonsky, 7908 E Saginaw Hwy – Spoke regarding the rezoning of the Broadbent development and concerns about having an over-population of apartments within the township.

XX. ADJOURNMENT –

Supervisor Fletcher adjourned the meeting at 8:51pm.

CHARTER TOWNSHIP OF DELTA

KENNETH R. FLETCHER, SUPERVISOR

MARY R. CLARK, TOWNSHIP CLERK

CHARTER TOWNSHIP OF DELTA
Public Meeting Room A
Delta Township Administration Building
7710 West Saginaw Highway
Lansing, MI 48917

TOWNSHIP BOARD COMMITTEE OF THE WHOLE MEETING MINUTES FOR MONDAY, MAY 8, 2023

I. CALL TO ORDER

Supervisor Fletcher called the meeting to order at 6:00pm.

II. OPENING CEREMONIES – Pledge of Allegiance

III. ROLL CALL

Members Present: Supervisor Kenneth R. Fletcher, Clerk Mary R. Clark, Treasurer Dennis R. Fedewa, Trustee Elizabeth S. Bowen, Trustee Fonda J. Brewer, and Trustee Andrea M. Cascarilla

Members Absent: Trustee Karen J. Mojica

Others Present: Manager Brian T. Reed, Lieutenant Elbert (Al) Sidel, Human Resources Generalist Wendy Yaney, Assistant to the Manager/Communications Administrator Mary Worland, IT Director David Marquette, Community & Economic Development Director Peter Menser, Utilities Director Rick Kane.

TRUSTEE CASCARILLA MOVED TO EXCUSE TRUSTEE MOJICA FROM THE MAY 8, 2023, COMMITTEE OF THE WHOLE MEETING.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 6-0.

IV. SET/ADJUST AGENDA

TRUSTEE BREWER MOVED TO APPROVE THE AGENDA AS PRESENTED.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 6-0.

V. PUBLIC COMMENTS

VI. MANAGER'S REPORT – Brian Reed, Township Manager

Manager Reed presented his updates to the Township Board:

- The bond proposal passed and will be out to bid late summer, construction starting late fall, and 18 months to completion.

Back to Agenda

- The State of Michigan is developing an outdoor firing range for the MSP and a new State lab. Both will be located in Windsor Township but water and sewer will be provided by Delta Township.
- Eaton County is currently putting together their Parks plan which will go to their committee on Wednesday. There will be available funds for grants/RFPs for local communities with the first being $400k. Matching funds will be required for most of the money.
- CATA Extension of Route 3 started today.
- Lansing Chamber dinner is on Wednesday, May 10, 2023.

VII. COMMITTEE OF THE WHOLE

1. Delta Patrol Annual Report

Lieutenant Elbert (Al) Sidel presented the Delta Patrol 2022 Annual Report to the Board.

2. Manager's Office Annual Report

Manager Brian Reed presented the Manager's Office 2022 Annual Report to the Board, along with Assistant to the Manager/Communications Administrator Mary Worland, Human Resources Generalist Wendy Yaney, and IT Director David Marquette.

3. Manager Annual Evaluation Process

Manager evaluations are due to Clerk Mary Clark by Friday, May 12, 2023, at 5:00pm. They will be compiled and shared with Board members prior to the Board meeting on Monday the

VIII. CLOSED SESSION

IX. ADJOURNMENT –

Supervisor Fletcher adjourned the meeting at 8:13pm.

CHARTER TOWNSHIP OF DELTA

KENNETH R. FLETCHER, SUPERVISOR

MARY R. CLARK, TOWNSHIP CLERK

Supervisor Kenneth R. Fletcher
Clerk Mary R. Clark
Treasurer Dennis R. Fedewa
Manager Brian T. Reed

Trustee Elizabeth S. Bowen
Trustee Fonda J. Brewer
Trustee Andrea M. Cascarilla
Trustee Karen J. Mojica

DELTA TOWNSHIP

Engineering Department

(517) 323-8540

To: **Supervisor Kenneth R. Fletcher and the Delta Township Board**

From: **Ernie West, Township Engineer**
Rick Kane, Utility Director

Date: **May 11, 2023**

Subject: **Ultium 3 Battery Plant**
Bid Package 4 – Water and Sanitary Sewer Improvements
Electrical & Instrumentation Equipment

Background

In late November 2022, the Township Board approved Bid Package 1, 2 and a Change Order for Bid Package 3. Staff have been working with our engineering consultants to finish design of the remaining required improvements and prepare bidding documents for the final bid package, Bid Package 4. Bid Package 4 will consist of improvements to the existing GM Sanitary Sewage Lift Station and GM Water Booster Station, as well as construction of a new sanitary sewage equalization basin. These upgrades are required to enable the Township's systems to meet the full production demands of the Ultium 3 Battery Plant without negatively impacting the system.

During the design process, the project team determined that the electrical and instrumentation equipment will be needed early in the construction process, but that some of this equipment has lead times of up to fifty-two (52) weeks. In order to try to mitigate the impact of those lead times, and their affects on the overall project schedule, Staff directed our consultants to obtain competitive proposals from suppliers for the electrical and instrumentation equipment, with the intent of pre-purchasing the equipment. This will allow the equipment to be ordered in advance of the rest of the project being bid and awarded. The successful contractor will be provided the equipment to install, test and start-up as part of the overall construction process.

On behalf of Delta Township, TetraTech and OHM requested quotes from pre-approved, qualified electrical and instrumentation suppliers for the purchase of generators, transfer switches, motor control centers, variable frequency drives, control panels and instruments and miscellaneous electrical equipment required for the project. Proposals were reviewed by TetraTech and OHM and they provided the range of pricing received, detailed proposal information and made recommendations for awarding contracts per the attached letters from TetraTech and OHM. The following table summarizes the costs associated with purchasing the equipment from the recommended suppliers.

Equipment	Supplier	Water Booster Station Equipment	Lift Station and EQ Basin Equipment
Generator/Transfer Switch	Cummins	$174,835.00	N/A
Control Panels & Instruments	Commerce Controls	$374,135.00	$472,294.34
Motor Control Centers	Kendall Electric	$86,075.31	$88,552.19
Variable Frequency Drives	Schneider Electric	$119,371.00	N/A
Misc. Electrical Equipment	Kendall Electric	$13,562.78	$14,088.59
	Total	**$767,979.09**	**$574,935.12**

Recommendation

Township Staff recommend the acceptance of the proposals as recommended by TetraTech and OHM for the Ultium 3 Bid Package 4 Electrical & Instrumentation Equipment. These purchases are eligible for use of the $33 million in grant funding from the State for these projects. The following motion is offered for your consideration:

> ***"I move that the Delta Township Board accept the proposals for the Electrical & Instrumentation Equipment for the Ultium 3 Bid Package 4 Water and Sanitary Sewer System Improvements, as recommended by TetraTech and OHM Advisors, in the amount of $767,979.09 for the water system and $574,935.12 for the sanitary sewer system. I further move that the Township Manager be authorized and directed to execute the necessary documents related to the aforementioned project."***

Staff will attend the May 15, 2023 Board meeting to answer any questions or address any concerns from the Board. If there are any questions in the interim, please let us know. Thank you.

TETRA TECH

May 8, 2023

Mr. Ernie West, P.E., Township Engineer
Delta Charter Township
7710 W. Saginaw Hwy
Lansing, MI 48917

Re: Ultium 3 Water Booster Station Improvements Bid Package 4
Contract 200-214200-22002
Electrical & Instrumentation Equipment
Equipment Procurement Award Recommendation

Dear Mr. West:

On behalf of Delta Township, quotes were requested from invited electrical and instrumentation suppliers for the purchase of the generators, instruments, motor control centers, variable frequency drives, and miscellaneous electrical equipment required for the subject project. The overall project will include the installation of this owner-furnished equipment and the associated process, electrical, and site improvements at the GM water booster station.

The following quotes were received on April 20, 2023:

Supplier	Base Bid
Cummins	$174,835.00
Commerce Controls, Inc.	$374,135.00
Kendall Electric (MCCs)	$86,075.31
Schneider Electric (VFDs)	$119,371.00
Kendall Electric (other)	$13,562.78
TOTAL:	**$767,979.09**

The bids received from all suppliers are compared in the attached spreadsheet. Copies of the quotes are also attached.

Our Engineer's Opinion of Probable Cost (EOPC) for the two generators and associated transfer switches was $150,000. The low bid from Cummins includes freight while the bid from Total Energy Systems did not. Therefore, we recommend that the Township purchase the generator equipment from Cummins, for the quoted about of $174,835.00 (includes freight, no tax). The lead time for this equipment is up to 48 weeks.

Our EOPC for the instrumentation package was $350,000. The bid from Commerce Controls, Inc. (CCI) is complete and included tax and freight. The bid from West Michigan Instrumentation Systems is missing two components and the bid from IDC has an extra component. Therefore, we recommend that the Township purchase the instrumentation from CCI, for the quoted about of $374,135.00 (includes freight, no tax). The lead time for this equipment is long, but CCI has stated the equipment will be ready for factory testing by next Spring.

Our EOPC for the motor control center (MCC) package was $120,000. The bid from Kendall Electric is thorough and complete while the bid from Schneider Electric is not detailed. Therefore, we recommend that the Township purchase the MCCs from Kendall Electric, for the quoted amount of $86,075.31 (includes freight, no tax). The lead time for this equipment is up to 50 weeks.

Tetra Tech
3497 Coolidge Road, East Lansing, MI 48823
Tel 517.316.3930 Fax 517.484.8140 www.tetratech.com

Our EOPC for the variable frequency drive (VFD) package was $100,000. The bid from Schneider Electric is low and estimates a quicker lead time. Therefore, we recommend that the Township purchase the VFDs from Schneider Electric, for the quoted amount of $119,371.00 (includes freight, no tax). The lead time for this equipment is 22 weeks.

Kendall Electric's quote includes estimated lead times for all loose electrical items. One starter and three lighting contactors have a lead time of 35 weeks. Since time is of the essence, we recommend that the Township purchase this electrical equipment from Kendall Electric, for the quoted amount of $13,562.78 (no tax, no freight).

The referenced equipment and materials will be included as Owner Furnished, Contractor Installed equipment and materials in the Ultium Bid Package 4 project. The project's successful bidder will be responsible for paying Michigan sales tax on the equipment and for receiving, unloading, and installing the equipment.

If you have any questions regarding the equipment purchase, please contact our office.

Sincerely,

Gary J. Markstrom, P.E.
Vice President

Attachments

Ultium 3 Water Booster Station Improvements Bid Package 4
Contract 200-214200-22002
Electrical Instrumentation Equipment
Equipment Procurement Award Recommendation

GENERATOR		
	Total Energy Systems, LLC.	**Cummins**
500 kW Generator	$138,931.00	X
500 kW Automatic Transfer Switch with docking station		X
LEAD TIME	60-63 weeks	46-48 weeks (18-20 for ATS)
25 kW Generator	$40,954.00	X
25 kW Automatic Transfer Switch		X
25 kW Manual Transfer Switch		-
LEAD TIME	34-37 weeks	32-34 weeks
TOTAL:	$179,885.00	**$174,835.00**
Notes:	No tax, no freight included	Includes freight, no tax
	Standard warranty on 25 kW generator	Generators are 505 kW and 20 kW with 2 year warranty
	Quote valid 30 days	Quote valid 30 days

Ultium 3 Water Booster Station Improvements Bid Package 4
Contract 200-214200-22002
Electrical Instrumentation Equipment
Equipment Procurement Award Recommendation

INSTRUMENTATION			
	West Michigan Instrumentation Systems	**IDC**	**Commerce Controls, Inc.**
Booster Station Control Panel	$198,700.00	x	x
Booster Station Instruments	$56,968.00	x	x
Generator Panel Modifications	$3,739.00	-	x
Booster Station Radio Panel	$21,250.00	x	x
Millett Tank Control Panel	$29,770.00	x	x
Millett Tank Radio Panel	$62,570.00	x	x
LEAD TIME	-	50-52 weeks	Next Spring for factory testing
TOTAL no tax:	$372,997.00	$665,505.00	**$374,135.00**
TOTAL with tax:	$395,376.82	-	$387,016.00
Notes:	No freight included	Implied no tax included	Includes freight
	Missing (1) TIT and (1) PIT	Extra (1) PIT	
	Quote valid 30 days	Quote valid 30 days	Quote valid 90 days

Ultium 3 Water Booster Station Improvements Bid Package 4
Contract 200-214200-22002
Electrical Instrumentation Equipment
Equipment Procurement Award Recommendation

MOTOR CONTROL CENTERS		
	Kendall Electric	**Schneider Electric**
MCC-A	$21,501.45	x
MCC-B	$16,571.65	x
LEAD TIME:	25 weeks	26 weeks
MCC-SE	$46,502.21	x
LEAD TIME:	50 weeks	26 weeks
TOTAL:	$84,575.31	$147,331.00
TOTAL w/ freight:	**$86,075.31**	
Notes:	Tax not included	Tax not included
	Freight pricing provided in quote	Freight not included
	Quote valid 30 days	Quoted option to change MCC-SE to a switchboard

VARIABLE FREQUENCY DRIVES		
	Kendall Electric	**Schneider Electric**
(5) VFDs	$190,779.10	x
LEAD TIME	27 weeks	22 weeks
TOTAL:	$190,779.10	-
TOTAL w/ freight:	$229,383.81	**$119,371.00**
Notes:	Tax not included	Tax not included
	Freight pricing provided in quote	Freight included
	Quote valid 30 days	

GENERATOR BIDS

Cummins

Total Energy Systems, LLC.

Project: Delta Township - Ultium 3 WBS Improvement
Quotation: Q-168118-20230405-1247

April 18, 2023

To

Melissa Hopkins
Tetra Tech
3497 COOLIDGE RD
EAST LANSING Michigan 48823-6374

Prepared by

Brandon VanderWest
(616) 204-4995
brandon.vanderwest@cummins.com

We are pleased to provide you this quotation based on your inquiry.

Item	Description	Qty
GEN	**DFEK Commercial Diesel Generator Set, 500kW Standby 60Hz**	1
	U.S. EPA, Stationary Emergency Application 500DFEK, Diesel Genset, 60Hz, 500kW-Standby Rating Duty Rating - Standby Power (ESP) Emission Certification, EPA, Tier 2, NSPS CI Stationary Emergency Listing - UL 2200 None-Vibration Isolators-Normal Duty Voltage - 277/480, 3 Phase, Wye, 4 Wire Alternator - 60Hz, 12 Lead, Limited Range, 125/105C Alternator Heater, 120 Volt AC Steel Sound Attenuated Level 2 Enclosure, with Exhaust System Enclosure Color - Green, Steel Wind Rating - 150 MPH, Steel Housing Fuel Tank - Sub Base, 400 Gallon, UL142 Compliant Compliance - Fuel Tank, Michigan Listing, ULC - S601 - 07 Alarm - High Fuel Level, External with OFPV Override Spill/Fill Box - Fuel with OFPV Vent Extensions - Fuel Tank, 4 Inch Diameter Control Mounting - Left Facing PowerCommand 2.3 Controller Control Cabinet Heater, 120/240 Volt AC Compatible Analog Meters - AC Output LCD Control Display Relays - Genset Status, User Configured Stop Switch - Emergency, Externally Mounted Relay - Alarm Shutdown Control Display Language - English Circuit Breaker or Entrance Box or Terminal Box - Right Only Circuit Breaker - 800A, Right Circuit Breaker on Right side, 3 - Pole, UL 600, IEC 690 100% Circuit Breaker or Entrance Box or Terminal Box, Left-None Engine Air Cleaner - Normal Duty External Battery Charger - 12 Amp, Regulated Engine Cooling - Radiator, 40C Ambient Shutdown - Low Coolant Level Coolant Heater - 208/240/480 Volts AC, Below 40F Ambient Temperature Genset Warranty - 2 Years Base	

ATS	**OTECD, OTEC Transfer Switch-Electronic Control: 800A**	1

OTEC800, Transfer Switch, PowerCommand, 800 Amp
Listing - UL 1008/CSA Certification
Application - Utility to Genset
Cabinet - Type 12
Poles - 3 (Solid Neutral)
Frequency - 60 Hz
System - 3 Phase, 3 or 4 Wire
Voltage - 480 Volts AC
Genset Starting Battery - 24V DC
PC40 Control
Auxiliary Relay - Switch in Emergency Position - 24 Volts DC
Auxiliary Relay - Switch In Normal Position - 24 Volts DC
Interface - Communications Network, MODBUS RTU Module
Transfer Switch Warranty - 2 Year Comprehensive

GEN	**C20N6, 20kW, 60Hz, Standby, Natural Gas/Propane Genset, 1800rpm engine**	1

U.S. EPA, Stationary Emergency Application
C20N6, 20kW, 60Hz, Standby, Natural Gas/Propane Genset, 1800rpm engine
Duty Rating - Standby Power (ESP)
Emissions Certification - SI, EPA, Emergency, Stationary, 40CFR60
Listing - UL 2200
NFPA 110 Type 10 Level 1 Capable
HCAI (formerly OSHPD) Seismic Pre-Approval Certification
Cert - Seismic, IBC2000, IBC2003, IBC2006, IBC2009, IBC2011
Exciter/Regulator - Excitation Boost System (EBS)
Voltage - 120/240, 1 Phase, 3 Wire
Alternator - 60Hz, 4L, 240/120V, 1 Phase, 105C, 40C Ambient, Increased Motor Starting (IMS)
Alternator Heater, 120 Volt AC
Aluminum Sound Attenuated Level 1 Enclosure, with Exhaust System
Enclosure Color - Green, Aluminum
Enclosure - Wind Load 180 MPH, ASCE7 - 10
Skidbase - Housing Ready
Control Mounting - Right Facing
PowerCommand 1.1 Controller
Gauge - Oil Pressure
Stop Switch - Emergency
Relays - Auxiliary, Qty 2, 25A - 15V DC/10A - 30V DC
Control Display Language - English
Load Connection - Single
Circuit Breaker, Location A, 125A, 2P, 600 Volts AC, 80%, UL
Engine Governor - Electronic, Isochronous
Engine Air Cleaner - Normal Duty
Battery Charger - 6 Amp, Regulated
Engine Cooling - Radiator, High Ambient Air Temperature, Ship Fitted
Shutdown - Low Coolant Level
Engine Coolant - 50% Antifreeze, 50% Water Mixture
Coolant Heater, Extreme Cold Ambient
Genset Warranty - 2 Years Base

ATS	**OTECB, OTEC Transfer Switch-Electronic Control: 225A**	1

OTEC225, Transfer Switch, PowerCommand, 225 Amp
Listing - UL 1008/CSA Certification
Application - Utility to Genset
Cabinet - Type 4
Poles - 3 (Solid Neutral)
Frequency - 60 Hz
System - Single Phase, 2 or 3 Wire
Voltage - 240 Volts AC
Genset Starting Battery - 12V DC
PC40 Control
Aux Relay - Emergency Position - 12 Volts DC
Aux Relay - Normal Position - 12 Volts DC
Interface - Communications Network, MODBUS RTU Module
Control Panel, Security Key Cover
Transfer Switch Warranty - 2 Year Comprehensive

DOCK **800A Docking Station**

800A 480V 3 Phase Wall Mount Quick Connect Panel

Angled Cam-Loks w/ Flip Covers and Hard Wire Access with Smart Lugs
Padlockable and Tamper Resistant While In Use
65 kA Rated Plated Copper Common Buss with Mechanical Lugs
Phase Rotation Monitor
2 Wire Auto Start Terminals
20A GFCI with Breaker
L530 Block Heater Receptacle with Breaker
Extra Depth with Bottom Conduit Access
3RX Powder Coated Aluminum with Side and Front Access Plates

Fuel Strainer-Natural Gas, 1 1/4"NPT Inlet/Outlet

12VDC Engine Starting Battery - 700CCA

Freight & other charges

Annunciator-panel mount with enclosure (RS485)

Remote Emergency Stop Station in a NEMA 4X Enclosure

Manual - Operator/Maintenance, Parts and Service

Service - start up & testing

12VDC Engine Starting Battery - 700CCA

Oil and Antifreeze Installed, Plus One (1) Set of O & M Manuals unless noted otherwise.

TOTAL *(not including tax)* : $ 174,835.00

1) Diesel fill by others

NOTES:

Proposal is for equipment only, offloading, rigging, and installation by others.
Fuel and permits, unless listed above, is not included.
Cummins Standard Start-up and testing is included. Additional tests, such as NETA testing, if required, is by others
Coordination Study not provided.

Please feel free to contact me if you require any additional information; or if you have any further questions or concerns that I may be of assistance with.

Thank you for choosing Cummins.

Submitted by:

Brandon VanderWest, Senior Sales Representative
brandon.vanderwest@cummins.com
(616) 204-4995

SUBMITTALS. An order for the equipment covered by this quotation will be accepted on a hold for release basis. Your order will not be released and scheduled for production until written approval to proceed is received in our office. Such submittal approval shall constitute acceptance of the terms and conditions of this quotation unless the parties otherwise agree in writing.

THERE ARE ADDITIONAL CONTRACT TERMS AND CONDITIONS ATTACHED TO THIS QUOTATION, INCLUDING LIMITATIONS OF WARRANTIES AND LIABILITIES, WHICH ARE EXPRESSLY INCORPORATED HEREIN. BY ACCEPTING THIS QUOTATION, CUSTOMER ACKNOWLEDGES THAT THE CONTRACT TERMS AND CONDITIONS HAVE BEEN READ, FULLY UNDERSTOOD AND ACCEPTED.

Authorized Signature _____ Date _____

Company Name _____

Printed Name & Title _____

Purchase Order No _____

TERMS AND CONDITIONS FOR SALE OF POWER GENERATION EQUIPMENT

These Terms and Conditions for Sale of Power Generation Equipment, together with the Quote, Sales Order, and/or Credit Application on the front side or attached hereto, are hereinafter referred to as this "Agreement" and shall constitute the entire agreement between the customer identified in the quote ("Customer") and Cummins Inc. ("Cummins") and supersede any previous representation, statements, agreements or understanding (oral or written) between the parties with respect to the subject matter of this Agreement. Customer shall be deemed to have made an unqualified acceptance of these Terms and Conditions and it shall become a binding agreement between the parties on the earliest of the following to occur: (i) Cummins' receipt of Customer's purchase order or purchase order number; (ii) Customer's signing or acknowledgment of this Agreement; (iii) Cummins' release of Products to production pursuant to Customer's oral or written instruction or direction; (iv) Customer's payment of any amounts due to Cummins; or (v) any other event constituting acceptance under applicable law. No prior inconsistent course of dealing, course of performance, or usage of trade, if any, constitutes a waiver of, or serves to explain or interpret, the Terms and Conditions set forth in this Agreement. Electronic transactions between Customer and Cummins will be solely governed by the Terms and Conditions of this Agreement, and any terms and conditions on Customer's website or other internet site will be null and void and of no legal effect on Cummins. In the event Customer delivers, references, incorporates by reference, or produces any purchase order or document, any terms and conditions related thereto: (i) shall be null and void and of no legal effect on Cummins, and (ii) this Agreement shall remain the governing terms of the transaction.

SCOPE

Cummins shall supply power generation equipment and any related parts, materials and/or services expressly identified in this Agreement (collectively,"Equipment"). No additional services, parts or materials are included in this Agreement unless agreed upon by the parties in writing. A Sales Order for Equipment is accepted on hold for release basis. The Sales Order will not be released and scheduled for production until written approval to proceed is received. A Quote is limited to plans and specifications section set forth in the Quote. No other sections shall apply. Additional requirements for administrative items may require additional costs. The Quote does not include off unit wiring, off unit plumbing, offloading, rigging, installation, exhaust insulation or fuel, unless otherwise stated.

SHIPPING; DELIVERY; DELAYS

Unless otherwise agreed in writing by the parties, Equipment shall be delivered FOB origin, freight prepaid to first destination. For consumer and mobile products, freight will be charged to Customer. Unless otherwise agreed to in writing by the parties, packaging method, shipping documents and manner, route and carrier and delivery shall be as Cummins deems appropriate. Cummins may deliver in installments. A reasonable storage fee, as determined by Cummins, may be assessed if delivery of the Equipment is delayed, deferred, or refused by Customer. Offloading, handling, and placement of Equipment and crane services are the responsibility of Customer and not included unless otherwise stated. All shipments are made within normal business hours, Monday through Friday. Any delivery, shipping, installation, or performance dates indicated in this Agreement are estimated and not guaranteed. Further, delivery time is subject to confirmation at time of order and will be in effect after engineering drawings have been approved for production. Cummins shall use best efforts to meet estimated dates, but shall not be liable to customer or any third party for any delay in delivery, shipping, installation, or performance, however occasioned, including any delays in performance that result directly or indirectly from acts of Customer or any unforeseen event, circumstance, or condition beyond Cummins' reasonable control including, but not limited to, acts of God, actions by any government authority, civil strife, fires, floods, windstorms, explosions, riots, natural disasters, embargos, wars, strikes or other labor disturbances, civil commotion, terrorism, sabotage, late delivery by Cummins' suppliers, fuel or other energy shortages, or an inability to obtain necessary labor, materials, supplies, equipment or manufacturing facilities.

AS A RESULT OF THE OUTBREAK OF THE DISEASE COVID-19 ARISING FROM THE NOVEL CORONAVIRUS, TEMPORARY DELAYS IN DELIVERY, LABOUR OR SERVICES FROM CUMMINS AND ITS SUB-SUPPLIERS OR SUBCONTRACTORS MAY OCCUR. AMONG OTHER FACTORS, CUMMINS' DELIVERY OBLIGATIONS ARE SUBJECT TO CORRECT AND PUNCTUAL SUPPLY FROM OUR SUB-SUPPLIERS OR SUBCONTRACTORS, AND CUMMINS RESERVES THE RIGHT TO MAKE PARTIAL DELIVERIES OR MODIFY ITS LABOUR OR SERVICE. WHILE CUMMINS SHALL MAKE EVERY COMMERCIALLY REASONABLE EFFORT TO MEET THE DELIVERY, SERVICE OR COMPLETION OBLIGATIONS SET FORTH HEREIN, SUCH DATES ARE SUBJECT TO CHANGE.

PAYMENT TERMS; CREDIT; RETAINAGE

Unless otherwise agreed to by the parties in writing and subject to credit approval by Cummins, payments are due thirty (30) days from the date of the invoice. If Customer does not have approved credit with Cummins, as solely determined by Cummins, payments are due in advance or at the time of supply of the Equipment. If payment is not received when due, in addition to any rights Cummins may have at law, Cummins may charge Customer eighteen percent (18%) interest annually on late payments, or the maximum amount allowed by law. Customer agrees to pay Cummins' costs and expenses (including reasonable attorneys' fees) related to Cummins' enforcement and collection of unpaid invoices, or any other enforcement of this Agreement by Cummins. Retainage is not acceptable nor binding, unless required by statute or accepted and confirmed in writing by Cummins prior to shipment.

TAXES; EXEMPTIONS

Unless otherwise stated, the Quote excludes all applicable local, state and federal sales and/or use taxes, permits and licensing. Customer must provide a valid resale or exemption certificate prior to shipment of Equipment or applicable taxes will be added to the invoice.

TITLE; RISK OF LOSS

Unless otherwise agreed in writing by the parties, title and risk of loss for the Equipment shall pass to Customer upon delivery of the Equipment by Cummins to freight carrier or to Customer at pickup at Cummins' facility.

INSPECTION AND ACCEPTANCE

Customer shall inspect the Equipment upon delivery, before offloading, for damage, defects, and shortage. Any and all claims which could have been discovered by such inspection shall be deemed absolutely and unconditionally waived unless noted by Customer on the bill of lading. Where Equipment is alleged to be non-conforming or defective, written notice of defect must be given to Cummins within three (3) days from date of delivery after which time Equipment shall be deemed accepted. Cummins shall have a commercially reasonable period of time in which to correct such non-conformity or defect. If non-conformity or defect is not eliminated to Customer's satisfaction, Customer may reject the Equipment (but shall protect the Equipment until returned to Cummins) or allow Cummins another opportunity to undertake corrective action. In the event startup of the Equipment is included in the services, acceptance shall be deemed to have occurred upon successful startup.

LIEN; SECURITY AGREEMENT

Customer agrees that Cummins retains all statutory lien rights. To secure payment, Customer grants Cummins a Purchase Money Security Interest in the Equipment. If any portion of the balance is due to be paid following delivery, Customer agrees to execute and deliver such security agreement, financing statements, deed of trust and such other documents as Cummins may request from time to time in order to permit Cummins to obtain and maintain a perfected security interest in the Equipment; or in the alternative, Customer grants Cummins a power of attorney to execute and file all financing statements and other documents needed to perfect this security interest. Cummins may record this Agreement, bearing Customer's signature, or copy of this Agreement in lieu of a UCC-1, provided that it shall not constitute an admission by Cummins of the applicability or non-applicability of the UCC nor shall the failure to file this form or a UCC-1 in any way affect, alter, or invalidate any term, provision, obligation or liability under this Agreement. The security interest shall be superseded if Customer and Cummins enter into a separate security agreement for the Equipment. Prior to full payment of the balance due, Equipment will be kept at Customer's location noted in this Agreement, will not be moved without prior notice to Cummins, and is subject to inspection by Cummins at all reasonable times.

CANCELLATION; CHARGES

Orders placed with and accepted by Cummins may not be cancelled except with Cummins' prior written consent. If Customer seeks to cancel all or a portion of an order placed pursuant to this Agreement, and Cummins accepts such cancellation in whole or in part, Customer shall be assessed cancellation charges as follows: (i) 10% of total order price if cancellation is received in Cummins' office after Cummins has provided submittals and prior to releasing equipment to be manufactured; (ii) 25% of total order price if cancellation is received in Cummins' office after receipt of submittal release to order, receipt of a purchase order for a generator already on order with the factory, or is asked to make any hardware changes to the equipment already on order with the factory; (iii) 50% of total order price if cancellation is received in Cummins' office 60 or fewer days before the scheduled shipping date on the order; or (iv) 100% of total order price if cancellation is received in Cummins' office after the equipment has shipped from the manufacturing plant.

MANUALS

Unless otherwise stated, electronic submittals and electronic operation and maintenance manuals will be provided, and print copies may be available upon Customer's request at an additional cost.

TRAINING; START UP SERVICES; INSTALLATION

Startup services, load bank testing, and owner training are not provided unless otherwise stated. Site startup will be subject to the account being current and will be performed during regular Cummins business hours, Monday to Friday. Additional charges may be added for work requested to be done outside standard business hours, on weekends, or holidays. One visit is allowed unless specified otherwise in the Quote. A minimum of two-week prior notice is required to schedule site startups and will be subject to prior commitments and equipment and travel availability. A signed site check sheet confirming readiness will be required, and Cummins personnel may perform an installation audit prior to the startup being completed. Any issues identified by the installation audit shall be corrected at the Customer's expense prior to the start-up. Portable load banks for site test (if offered in the Quote) are equipped with only 100 feet of cable. Additional lengths may be arranged at an extra cost. Cummins is not responsible for any labor or materials charged by others associated with start-up and installation of Equipment, unless previously agreed upon in writing. Supply of fuel for start-up and/or testing, fill-up of tank after start up, or change of oil is not included unless specified in the Quote. All installation/execution work at the site including, but not limited to: civil, mechanical, electrical, supply of wall thimbles, exhaust extension pipe, elbows, hangers, expansion joints, insulation and cladding materials, fuel/oil/cooling system piping, air ducts, and louvers/dampers is not included unless specified in the Quote. When an enclosure or sub-base fuel tank (or both) are supplied, the openings provided for power cable and fuel piping entries, commonly referred to as "stub-ups", must be sealed at the site by others before commissioning. All applications, inspections and/or approvals by authorities are to be arranged by Customer.

MANUFACTURER'S WARRANTY

Equipment purchased hereunder is accompanied by an express written manufacturer's warranty ("Warranty") and, except as expressly provided in this Agreement, is the only warranty offered on the Equipment. A copy of the Warranty is available upon request. While this Agreement and the Warranty are intended to be read and applied in conjunction, where this Agreement and the Warranty conflict, the terms of the Warranty shall prevail.

WARRANTY PROCEDURE

Prior to the expiration of the Warranty, Customer must give notice of a warrantable failure to Cummins and deliver the defective Equipment to a Cummins location or other location authorized and designated by Cummins to make the repairs during regular business hours. Cummins shall not be liable for towing charges, maintenance items such as oil filters, belts, hoses, etc., communication expenses, meals, lodging, and incidental expenses incurred by Customer or employees of Customer, "downtime" expenses, overtime expenses, cargo damages and any business costs and losses of revenue resulting from a warrantable failure.

LIMITATIONS ON WARRANTIES THE REMEDIES PROVIDED IN THE WARRANTY AND THIS AGREEMENT ARE THE SOLE AND EXCLUSIVE WARRANTIES AND REMEDIES PROVIDED BY CUMMINS TO THE CUSTOMER UNDER THIS AGREEMENT. EXCEPT AS SET OUT IN THE WARRANTY AND THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY LAW, CUMMINS EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES, ENDORSEMENTS, AND CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY STATUTORY OR COMMON LAW IMPLIED REPRESENTATIONS, WARRANTIES AND CONDITIONS OF FITNESS FOR A PURPOSE OR MERCHANTABILITY.

The limited warranty does not cover Equipment failures resulting from: (a) inappropriate use relative to designated power rating; (b) inappropriate use relative to application guidelines; (c) inappropriate use of an EPA-SE application generator set relative to EPA's standards; (d) normal wear and tear; (e) improper and/or unauthorized installation; (f) negligence, accidents, or misuse; (g) lack of maintenance or unauthorized or improper repair; (h) noncompliance with any Cummins published guideline or policy; (i) use of improper or contaminated fuels, coolants, or lubricants; (j) improper storage before and after commissioning; (k) owner's delay in making Equipment available after notification of potential Equipment problem; (l) replacement parts and accessories not authorized by Cummins; (m) use of battle short mode; (n) owner or operator abuse or neglect such as: operation without adequate coolant, fuel, or lubricants; over fueling; over speeding; lack of maintenance to lubricating, fueling, cooling, or air intake systems; late servicing and maintenance; improper storage, starting, warm-up, running, or shutdown practices, or for progressive damage resulting from a defective shutdown or warning device; or (o) damage to parts, fixtures, housings, attachments and accessory items that are not part of the generating set.

INDEMNITY

Customer shall indemnify, defend and hold harmless Cummins from and against any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, brought against or incurred by Cummins related to or arising out of this Agreement or the Equipment supplied under this Agreement (collectively, the "Claims"), where such Claims were caused or contributed to by, in whole or in part, the acts, omissions, fault or negligence of the Customer. Customer shall present any Claims covered by this indemnity to its insurance carrier unless Cummins directs that the defense will be handled by Cummins' legal counsel at Customer's expense.

LIMITATION OF LIABILITY NOTWITHSTANDING ANY OTHER TERM OF THIS AGREEMENT, IN NO EVENT SHALL CUMMINS, ITS OFFICERS, DIRECTORS, EMPLOYEES, OR AGENTS BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING WITHOUT LIMITATION DOWNTIME, LOSS OF PROFIT OR REVENUE, LOSS OF DATA, LOSS OF OPPORTUNITY, DAMAGE TO GOODWILL, ENHANCED DAMAGES, MONETARY REQUESTS RELATING TO RECALL EXPENSES AND REPAIRS TO PROPERTY, AND/OR DAMAGES CAUSED BY DELAY) IN ANY WAY RELATED TO OR ARISING FROM CUMMINS' SUPPLY OF EQUIPMENT UNDER THIS AGREEMENT OR THE USE OR PERFORMANCE OF EQUIPMENT SUPPLIED UNDER THIS AGREEMENT. IN NO EVENT SHALL CUMMINS' LIABILITY TO CUSTOMER OR ANY THIRD PARTY CLAIMING DIRECTLY THROUGH CUSTOMER OR ON CUSTOMER'S BEHALF UNDER THIS AGREEMENT EXCEED THE TOTAL COST OF EQUIPMENT SUPPLIED BY CUMMINS UNDER THIS AGREEMENT GIVING RISE TO THE CLAIM. BY ACCEPTANCE OF THIS AGREEMENT, CUSTOMER ACKNOWLEDGES CUSTOMER'S SOLE REMEDY AGAINST CUMMINS FOR ANY LOSS SHALL BE THE REMEDY PROVIDED HEREIN EVEN IF THE EXCLUSIVE REMEDY UNDER THE WARRANTY IS DEEMED TO HAVE FAILED OF ITS ESSENTIAL PURPOSE.

DEFAULT; REMEDIES

. Customer shall be in breach and default if: (a) any of the payments or amounts due under this Agreement are not paid; (b) Customer fails to comply, perform, or makes any misrepresentation relating to any of the Customer's obligations or covenants under this Agreement; or (c) prior to full payment of the balance due, Customer ceases to do business, becomes insolvent, makes an assignment for the benefit of its creditors, appoints a receiver, commences an action for dissolution or liquidation, or becomes subject to bankruptcy proceedings, or the Equipment is attached, levied upon, seized under legal process, is subjected to a lien or encumbrance, or transferred by operation of law or otherwise to anyone other than Cummins. Upon the occurrence of any event of Customer's default, Cummins, at its sole option and without notice, shall have the right to exercise concurrently or separately any one or all of the following remedies, which shall be cumulative and not alternative: (a) to declare all sums due, and to become due, under this Agreement immediately due and payable; (b) to commence legal proceedings, including collection actions and specific performance proceedings, to enforce performance by Customer of any and all provisions of this Agreement, and to be awarded damages or injunctive relief for the Customer's breach; (c) to require the Customer to deliver the Equipment to Cummins' branch specified on the face of this Agreement; (d) to exercise one or more of the rights and remedies available to a secured party under applicable law; and (e) to enter, without notice or liability or legal process, onto any premises where the Equipment may be located, using force permitted by law, and there to disconnect, remove and repossess the Equipment, the Customer having waived further right to possession after default. A waiver of any event of default by Cummins shall not be a waiver as to any other or subsequent default.

CUSTOMER REPRESENTATIONS; RELIANCE

Customer is responsible for obtaining, at its cost, permits, import licenses, and other consents in relation to the Equipment, and if requested by Cummins, Customer shall make these permits, licenses, and consents available to Cummins prior to shipment. Customer represents that it is familiar with the Equipment and understands operating instructions and agrees to perform routine maintenance services. Until the balance is paid in full, Customer shall care for the Equipment properly, maintain it in good operating condition, repair and appearance; and Customer shall use it safely and within its rated capacity and only for purpose it was designed. Even if Customer's purchase of Equipment from Cummins under this Agreement is based, in whole or in part, on specifications, technical information, drawings, or written or verbal advice of any type from third parties, Customer has sole responsibility for the accuracy, correctness and completeness of such specifications, technical information, drawings, or advice. Cummins make no warranties or representations respecting the accuracy, correctness and completeness of any specifications, technical information, drawings, advice or other information provided by Cummins. Cummins makes no warranties or representations respecting the suitability, fitness for intended use, compatibility, integration or installation of any Equipment supplied under this Agreement. Customer has sole responsibility for intended use, for installation and design and performance where it is part of a power, propulsion, or other system. Limitation of warranties and remedies and all disclaimers apply to all such technical information, drawings, or advice. Customer acknowledges and agrees by accepting delivery of the Equipment that the Equipment purchased is of the size, design, capacity and manufacture selected by the Customer, and that Customer has relied solely on its own judgment in selecting the Equipment.

CONFIDENTIALITY

Each party shall keep confidential any information received from the other that is not generally known to the public and at the time of disclosure, would reasonably be understood by the receiving party to be proprietary or confidential, whether disclosed in oral, written, visual, electronic, or other form, and which the receiving party (or agents) learns in connection with this Agreement including, but not limited to: (a) business plans, strategies, sales, projects and analyses; (b) financial information, pricing, and fee structures; (c) business processes, methods, and models; (d) employee and supplier information; (e) specifications; and (f) the terms and conditions of this Agreement. Each party shall take necessary steps to ensure compliance with this provision by its employees and agents.

GOVERNING LAW AND JURISDICTION

This Agreement and all matters arising hereunder shall be governed by and construed in accordance with the laws of the State of Indiana without giving effect to any choice or conflict of law provision. The parties agree that the courts of the State of Indiana shall have exclusive jurisdiction to settle any dispute or claim arising in connection with this Agreement.

INSURANCE

Upon Customer's request, Cummins will provide to Customer a Certificate of Insurance evidencing Cummins' relevant insurance coverage.

ASSIGNMENT

This Agreement shall be binding on the parties and their successors and assigns. Customer shall not assign this Agreement without the prior written consent of Cummins.

INTELLECTUAL PROPERTY

Any intellectual property rights created by either party, whether independently or jointly, in the course of the performance of this Agreement or otherwise related to Cummins pre-existing intellectual property or subject matter related thereto, shall be Cummins' property. Customer agrees to assign, and does hereby assign, all right, title, and interest to such intellectual property to Cummins. Any Cummins pre-existing intellectual property shall remain Cummins' property. Nothing in this Agreement shall be deemed to have given Customer a license or any other rights to use any of the intellectual property rights of Cummins.

PRICING

To the extent allowed by law, actual prices may vary from the price at the time of order placement, as the same will be based on prices prevailing on the date of shipment. Subject to local laws, Cummins reserves the right to adjust pricing on goods and services due to input and labor cost changes and other unforeseen circumstances beyond Cummins' control.

MISCELLANEOUS

Cummins shall be an independent contractor under this Agreement.All notices under this Agreement shall be in writing and be delivered personally, mailed via first class certified or registered mail, or sent by a nationally recognized express courier service to the addresses set forth in this Agreement. No amendment of this Agreement shall be valid unless it is writing and signed by the parties hereto. Failure of either party to require performance by the other party of any provision hereof shall in no way affect the right to require such performance at any time thereafter, nor shall the waiver by a party of a breach of any of the provisions hereof constitute a waiver of any succeeding breach.Any provision of this Agreement that is invalid or unenforceable shall not affect the validity or enforceability of the remaining terms hereof.These terms are exclusive and constitute entire agreement. Customer acknowledges that the provisions were freely negotiated and bargained for and Customer has agreed to purchase of the Equipment pursuant to these terms and conditions. Acceptance of this Agreement is expressly conditioned on Customer's assent to all such terms and conditions. Neither party has relied on any statement, representation, agreement, understanding, or promise made by the other except as expressly set out in this Agreement. In the event of a conflict in the terms of this Agreement with any Customer terms or conditions or agreement (whether referenced in an order submitted by Customer as the terms that govern the purchase of the Equipment or otherwise) or any terms set forth in any other documentation of Customer with respect to the Equipment, the terms of this Agreement shall govern.Cummins may incur additional charges which will be passed on to the Customer, as applicable.

COMPLIANCE

Customer shall comply with all laws applicable to its activities under this Agreement, including, without limitation, any and all applicable federal, state, and local anti-bribery, environmental, health, and safety laws and regulations then in effect. Customer acknowledges that the Equipment, and any related technology that are sold or otherwise provided hereunder may be subject to export and other trade controls restricting the sale, export, re-export and/or transfer, directly or indirectly, of such Equipment or technology to certain countries or parties, including, but not limited to, licensing requirements under applicable laws and regulations of the United States, the United Kingdom and other jurisdictions. It is the intention of Cummins to comply with these laws, rules, and regulations. Any other provision of this Agreement to the contrary notwithstanding, Customer shall comply with all such applicable all laws relating to the cross-border movement of goods or technology, and all related orders in effect from time to time, and equivalent measures. Customer shall act as the importer of record with respect to the Equipment and shall not resell, export, re-export, distribute, transfer, or dispose of the Equipment or related technology, directly or indirectly, without first obtaining all necessary written permits, consents, and authorizations and completing such formalities as may be required under such laws, rules, and regulations. In addition, Cummins has in place policies not to distribute its products for use in certain countries based on applicable laws and regulations including but not limited to UN, U.S., UK, and European Union regulations. Customer undertakes to perform its obligations under this Agreement with due regard to these policies. Strict compliance with this provision and all laws of the territory pertaining to the importation, distribution, sales, promotion and marketing of the Equipment is a material consideration for Cummins entering into this Agreement with Customer and continuing this Agreement for its term. Customer represents and warrants that it has not and shall not, directly or through any intermediary, pay, give, promise to give or offer to give anything of value to a government official or representative, a political party official, a candidate for political office, an officer or employee of a public international organization or any other person, individual or entity at the suggestion, request or direction or for the benefit of any of the above-described persons and entities for the purposes of inducing such person to use his influence to assist Cummins in obtaining or retaining business or to benefit Cummins or any other person in any way, and will not otherwise breach any applicable laws relating to anti-bribery. Any failure by Customer to comply with these provisions will constitute a default giving Cummins the right to immediate termination of this Agreement and/or the right to elect not to recognize the warranties associated with the Equipment. Customer shall accept full responsibility for any and all civil or criminal liabilities and costs arising from any breaches of those laws and regulations and will defend, indemnify, and hold Cummins harmless from and against any and all fines, penalties, claim, damages, liabilities, judgments, costs, fees, and expenses incurred by Cummins or its affiliates as a result of Customer's breach.

To the extent applicable, this contractor and subcontractor shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability. The employee notice requirements set forth in 29 CFR Part 471, Appendix A to Subpart A, are hereby incorporated by reference into this contract.

□ Check if this Agreement pertains to government work or facilities

Total Energy Systems, LLC

Job Name: Motor Control Center
Quote Number:0026976794
Quote Submitted: 04-19-2023
Valid Through: 05-17-2023

With the uncertainty of the economy and the changes in commodities costs, this proposal is valid for 30-Days. Meaning equipment on this proposal needs to be released for production by 05/17/23 in order maintain pricing.

No Freight included in this proposal due to the widespread fluctuation in freight cost over time. Freight proposal will be provided at time of shipment.

"Proven Provider of Critical Power Solutions"

For: Motor Control Center

From: Total Energy Systems, LLC

Quoted Per One-Line E-100
SECTION 16230, 16238

GENERATOR



Kohler Model: 500REOZVC

This diesel generator set equipped with a 5M4027 alternator operating at 277/480 volts is rated for 505kW/631 kVA. Output amperage: 760

Qty	Description	
1	500REOZVC Generator Set	
	Includes the following:	
	Literature Languages	English
	Approvals and Listings	UL2200 Listing
	Engine	500REOZVC,24V,50/60Hz, EPA
	Nameplate Rating	Standby 130C Rise
	Voltage	60Hz, 277/480V, Wye, 3Ph, 4W
	Alternator	5M4027
	Cooling System	Unit Mounted Radiator, 50C
	Skid and Mounting	Skid
	Air Intake	Standard Duty
	Controller	APM402
	Enclosure Type	Sound
	Enclosure Material	Steel
	Enclosure Silencer	Internal Silencer
	Fuel Tank Type	State
	Fuel Runtime (Approx.)	12 Hours
	Subbase Fuel Tank Capacity	583 Gallons
	Fill Pipe/Spill Fill Options	5 Gal Spill Cont w/95% Shutoff
	High Fuel Switch	High Fuel Switch

	Tank Marking Options	NFPA 704 Identification
	Starting Aids, Installed	4000W,190-208V,1Ph,w/Valves
	Electrical Accy.,Installed	Battery, 2/12V, Wet
	Electrical Accy.,Installed	Battery Charger, 10A
	Electrical Accy.,Installed	Run Relay
	Electrical Accy.,Installed	2 Input/5 OutputModule
	Electrical Accy.,Installed	Generator Heater
	Rating, LCB 1 Right	80% Rated
	Amps, LCB 1 Right	800
	Trip Type, LCB 1 Right	Electronic, LSIG (GFI)
	LCB 1 Right Interrupt Rating	35kA at 480V
	Frame, LCB 1 Right	PG
	Position, LCB 1 Right	1
	Fuel Lines, Installed	Flexible Fuel Lines, Stainless
	Fuel System Acc.,Installed	Fuel Pressure Gauge
	Exceeds LTL Shipping Height	Add'l Shipping Charge Accepted
	Miscellaneous Accy,Installed	Air Cleaner Restriction Ind.
	Miscellaneous Accy,Installed	Coolant in Genset
	Miscellaneous Accy,Installed	Oil in Genset
	Miscellaneous Accy,Installed	Exhaust Manifold Blanket
	Warranty	2 Year
	Testing, Additional	Power Factor Test,0.8,3Ph Only
	Total unit length in inches	281
	Total unit width in inches	75
	Total unit height in inches	123
	Total unit weight (lbs)	15,593
	Weight/Dimensions Disclaimer *	Estimates-Not for Construction
1	NEC Remote, E-Stop	
1	Lit. Kit, Production, 500REOZVC	
1	RSA III, Annunciator only	
2	Converter, Modbus to Ethernet	

AUTOMATIC TRANSFER SWITCH

800AMP Automatic Transfer Switch Qty 1

3 Pole, 4 Wire, Solid Neutral, 800 Amps, delayed transition automatic transfer switch, rated 480V, 60 Hz and housed in a NEMA Type 12 enclosure. 65kAIC WCR @ 480V Max Using Specific Breaker, 50kAIC WCR @ 480V Max Using Time-Based Ratings, 3 Cycle.

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.
2	18RX	REX (Relay Expansion Module) with Normal and Emergency available output contacts (18B & 18G)

DOCKING STATION

800AMP Docking Station Qty 1

3 Pole, 3 phase, 4 wire, 800 Amps, generator connection cabinet, rated 480V, 60 Hz and housed in a NEMA Type 3R enclosure. Includes male cam-loks and cam-lok snap covers.

DISTRIBUTOR START-UP

1. Start-up, must be scheduled a minimum of 10 - 14 days prior to requested start-up date. Contact the Service Department at 1.888.548.1400 ex 3301 or service@totalenergysystems.com for date and time.

SERVICE ITEMS INCLUDED WITH THIS PROPOSAL:
Lubricating Oil
Antifreeze - 50/50 Mix
Battery
Start Up Service
One (1) day reserved, during normal business hours, for inspection, engine prep work, initial engine start-up and training
NFPA 110 Acceptance Test
Load Bank Test at Site
Two (2) Hours are Included using a portable resistive load bank.
Two (2) Hours building load
Training session to be completed same day as startup. If not, return trip and Purchase Order is required
One Year Planned Maintenance
One (1) Annual Planned Maintenance

2. Contractor shall coordinate and schedule start-up and shall be responsible for **ADDITIONAL field service costs** if start-up cannot be completed in time allowed as a result of incomplete installation.

* Normal business hours are M-F 8:00AM to 4:30PM.
After hours Start ups are available for an additional charge. Standard published rates apply.

CLARIFICATIONS

1. Deviation: Fiber optic converter, patch panel, and patch cable provided by others. We are providing modbus to ethernet converters only. Integral vibration isolators provided in lieu of spring-type vibration isolators. Sound enclosure sound level data is 75.1 dBA at 100% Load, 23 ft/7 m. Incoming utility service rated breaker provided by others. ATS provided with front connected.

2. Total Energy System's proposal is based on meeting the functional intent and system requirements of the job description. Total Energy Systems reserves the right to amend, withdraw or otherwise alter

this submission without penalty or charge as a result of any event beyond its control arising from or due to the current COVID-19 epidemic or events subsequent to this epidemic / pandemic including changes in laws, regulations, by laws or direction from a competent authority.

3. Unless specifically listed in our Bill of Material, equipment not indicated is assumed to be supplied by others. We reserve the right to correct any errors or omissions.

4. Included Start-Up is based on unit being in a readily accessible location. Site information is unknown. Additional charges may apply if additional time is required due to restricted access to unit.

5. 110% overload not applicable in standby application.

6. Standard O&M Manuals provided, custom manuals or additional copies available at an additional charge.

7. System coordination studies and/or relay setting studies are by others. Protective relay calibration and settings, NETA testing by others.

8. The generator will need to be filled with #2 winter blend diesel prior to start up. This is not included in proposal.

This quotation is based on the generator being located at least 10 ft. from any building and at least 5 ft from any opening. Any tank over 1099 Gallons will need to have a Michigan State permit. Tanks larger than 3000 Gallons will require a remote fill station. If generator is located within 10 ft of the building this proposal will NOT meet MDEQ regulations. Please call to investigate options.

Temporary Generators are available at Total Energy Systems.
Contact Rental Sales Manager, Bob Thackeray, at (248) 840-6428 or rental@totalenergysystems.com for details.

BASE PRICE WITHOUT OPTIONS: $138,931.00

Valid for 30 days with approved Submittal for production.
Estimated Current Lead Time: 60 to 63 weeks after approved submittals.
No Freight included in this proposal due to the widespread fluctuation in freight cost over time.
Freight will be billed at time of shipment.
Price does not include any applicable taxes or installation.

OFFER ACCEPTANCE

I hereby authorize Total Energy Systems LLC to use this form as a bona fide purchase order of the equipment shown on Offer Number: SAP 0026976794, which clearly establishes definite price and specifications of material ordered. The person signing is doing so according to the Total Energy Systems terms and conditions on the following page.

Proposed by:
Company: Total Energy Systems, LLC Company

Accepted by:
Company: _____
Print Name: _____
Title: _____
Signature: _____
Date: _____
PO Number: _____

Please initial Submittal Preference:

_____ Order released to Production; Submittals needed for Record Only

_____ Submittal required, and submittal approval needed to release to Production.

_____ Order released to Production; No submittals needed

PLEASE NOTE:

A. Quotation expires in 30 days.

B. **Off-loading, installation, insulation, etc. of all associated equipment is not included, unless otherwise stated.**

C. NETA Testing, if required, is not included and will be completed by others.

D. Fuel, fuel piping plans, installation and permitting of tanks or piping, if required, is not included.

E. Quotation meets functional intent of specifications, either verbal or written, unless otherwise noted.

F. State and/or local permits, where applicable, are not included and must be purchased by owner or installing contractor.

G. Recording of training or recorded versions of training are not provided due to liability reasons.

H. Due to unprecedented, industry-wide, supply chain and labor constraints, the established and published factory lead-times we typically offer are now considered a good faith estimate and are subject to change. We cannot guarantee manufacturers' lead times, but we will endeavor to communicate the most current estimated factory delivery.

I. Acceptance of any order is subject to credit approval.

TERMS AND CONDITIONS:

TERMS: Payment is due within 30 days of our invoice date. Equipment will be invoiced when ready to ship, i.e., progress billing. Services will be billed upon completion. Payment of your invoices is not contingent on any payments received from your customer. We may determine, at our sole discretion, that your financial condition requires a 30% down payment prior to the order being released to production. Past due accounts are subject to financing fees of 1.5% per month. Should we need to take collections actions against you, you will be liable for any collection/attorney fees incurred.

CREDIT CARD PAYMENTS: Credit card payments are subject to a processing fee of up to 3%.

GENERAL: Clerical errors are subject to correction. Orders resulting from quotations become contracts. Any agreement or other understanding supplementing or modifying the conditions of the contract will not be mutually binding unless made in writing.

LIABILITY: We accept orders under the condition that the customer waives any claims for damages, liquidated or otherwise, arising from delays in delivery of product. Damage resulting from improper storage or handling prior to placing products in service will not be considered our liability. We will not assume any responsibility, expense, or liability for repairs made without our prior written consent. We assume no liability for losses sustained through the use of any of the products purchased via the contract.

RETURNED MATERIAL: Material may not be returned without first obtaining written approval. No claim will be allowed, nor credit given for material returned without such written approval. It is your duty to inspect goods within ten days after receipt.

SHIPMENT: Our responsibility ceases with the delivery of equipment in good order to transportation companies (FOB Shipping Point). Claims for shortage or damage in transit must be made by the customer against the carrier. In the absence of definite shipping instructions, we reserve the right to ship all material, upon completion, by any public carrier, which in our opinion is satisfactory.

TAXES: State and local sales and use taxes and excise taxes, where applicable, are in addition to quoted prices and will be billed unless the purchaser promptly certifies that the goods are for resale or are otherwise exempt.

GUARANTEE: As outlined by applicable manufacturer.

STORAGE: Storage fees will be charged on all equipment which is ready for shipment but not shipped at your request. Terms still apply.

CANCELLATION: All orders cancelled after submittal completion are subject to a $1,000 fee. All orders cancelled after the submittal is approved are subject to cancellation charges of up to 50% as incurred by Total Energy Systems from the manufacturer.

WARRANTY: All orders must have start up completed within 12 months of shipment from factory, or warranty could be VOID.

Total Energy Systems, LLC

Job Name: Millet Elevated Tank
Quote Number:0026976778
Quote Submitted: 04-19-2023
Valid Through: 05-17-2023

With the uncertainty of the economy and the changes in commodities costs, this proposal is valid for 30-Days. Meaning equipment on this proposal needs to be released for production by 05/17/23 in order maintain pricing.

No Freight included in this proposal due to the widespread fluctuation in freight cost over time. Freight proposal will be provided at time of shipment.

"Proven Provider of Critical Power Solutions"

For: Millet Elevated Tank

From: Total Energy Systems, LLC

Quoted Per One-Line E-305
SECTION 16231, 16238

GENERATOR



Kohler Model: 25CCL

This gas generator set equipped with a 4D8.3 alternator operating at 120/240 volts is rated for 25kW/25 kVA.
Output amperage: 105

Qty	Description	
1	25CCL Generator Set	
	Includes the following:	
	Literature Languages	English
	Approvals and Listings	UL2200 Listing/cUL Genset List
	Engine	25CCL, NFPA, NG, Standby
	Nameplate Rating	Standby 130C Rise
	Voltage	60Hz, 120/240V, 1Ph, 3W
	Alternator	4D8.3, Brushless
	Controller	APM402
	Enclosure Type	Sound
	Enclosure Material	Aluminum
	Starting Aids, Installed	500W, 120V, 1Ph
	Oil Pan Heater, Installed	150W,110-120V
	Electrical Accy.,Installed	Battery, 1/12V, Wet
	Electrical Accy.,Installed	Battery Charger, 10A
	Electrical Accy.,Installed	Run Relay
	Electrical Accy.,Installed	2 Input/5 OutputModule
	Electrical Accy.,Installed	Generator Heater
	Rating, LCB 1	80% Rated
	Amps, LCB 1	150

KOHLER.

	Trip Type, LCB 1	Electronic, LSI
	Interrupt Rating LCB 1	35kA at 480V
	Fuel Lines, Installed	Flexible Fuel Lines
	Miscellaneous Accy,Installed	Air Cleaner Restriction Ind.
	Miscellaneous Accy,Installed	Coolant in Genset
	Warranty	Standard
	Total unit length in inches	93
	Total unit width in inches	40
	Total unit height in inches	53
	Total unit weight (lbs)	1,500
	Weight/Dimensions Disclaimer *	Estimates-Not for Construction
1	NEC Remote, E-Stop	
1	Lit Kit, Production, 25CCL	
1	RSA III, Annunciator only	

TRANSFER SWITCH

200AMP Automatic Transfer Switch Qty 1

2 Pole, 3 Wire, Solid Neutral, 200 Amps, delayed transition automatic transfer switch, rated 240V, 60 Hz and housed in a NEMA Type 4 enclosure.

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.
2	18RX	REX (Relay Expansion Module) with Normal and Emergency available output contacts (18B & 18G)
3	31Z	Load disconnect contacts, with TD which operate before/after transfer
4	44G	Strip heater w/ thermostat, wired to load terminals: 208-600 volts

200AMP Manual Transfer Switch Qty 1

2 Pole, 3 Wire, Solid Neutral, 200 Amps, manual transfer switch, rated 240V, 60 Hz and housed in a NEMA Type 4 enclosure. *APPLETON RECEPTACLE PROVIDED BY OTHERS*

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	44G	Strip heater w/ thermostat, wired to load terminals: 208-600 volts
2	170EP1	Auxiliary contact sets to indicate switch position & LED indication on panel : Source 1, Off, and Source 2, phase rotation, engine start/test switch with common alarm input/LED/contact: and I/O module

DISTRIBUTOR START-UP

1. Start-up, must be scheduled a minimum of 10 - 14 days prior to requested start-up date. Contact the Service Department at 1.888.548.1400 ex 3301 or service@totalenergysystems.com for date and time.

SERVICE ITEMS INCLUDED WITH THIS PROPOSAL:

Lubricating Oil
Antifreeze - 50/50 Mix
Battery
Start Up Service
One (1) day reserved, during normal business hours, for inspection, engine prep work, initial engine start-up and training.
NFPA 110 Acceptance Test
Load Bank Test at Site
Two (2) Hours are Included using a portable resistive load bank.
Two (2) Hours building load
Training session to be completed same day as startup. If not, return trip and Purchase Order is required
One Year Planned Maintenance
One (1) Annual Planned Maintenance

2. Contractor shall coordinate and schedule start-up and shall be responsible for **ADDITIONAL field service costs** if start-up cannot be completed in time allowed as a result of incomplete installation.

* Normal business hours are M-F 8:00AM to 4:30PM.
After hours Start ups are available for an additional charge. Standard published rates apply.

CLARIFICATIONS

1. Deviation: Integral vibration isolators provided in lieu of spring-type vibration isolators. Sound enclosure sound level data is 67.4 dBA at 100% Load, 23 ft/7 m. Appleton receptacle for connection to MTS provided by others. Incoming utility service rated breaker provided by others.

2. Total Energy System's proposal is based on meeting the functional intent and system requirements of the job description. Total Energy Systems reserves the right to amend, withdraw or otherwise alter this submission without penalty or charge as a result of any event beyond its control arising from or due to the current COVID-19 epidemic or events subsequent to this epidemic / pandemic including changes in laws, regulations, by laws or direction from a competent authority.

3. Unless specifically listed in our Bill of Material, equipment not indicated is assumed to be supplied by others. We reserve the right to correct any errors or omissions.

4. Included Start-Up is based on unit being in a readily accessible location. Site information is unknown. Additional charges may apply if additional time is required due to restricted access to unit.

5. 110% overload not applicable in standby application.

6. Standard O&M Manuals provided, custom manuals or additional copies available at an additional charge.

7. System coordination studies and/or relay setting studies are by others. Protective relay calibration and settings, NETA testing by others.

8. Primary Line Regulator Not Supplied.

Temporary Generators are available at Total Energy Systems.
Contact Rental Sales Manager, Bob Thackeray, at (248) 840-6428 or rental@totalenergysystems.com for details.

BASE PRICE WITHOUT OPTIONS: $40,954.00

Proposal is firm for 30 days.
Estimated Current Lead Time: 34 to 37 weeks after approved submittals.
No Freight included in this proposal due to the widespread fluctuation in freight cost over time.
Freight will be billed at time of shipment.
Price does not include any applicable taxes or installation.

OFFER ACCEPTANCE

I hereby authorize Total Energy Systems LLC to use this form as a bona fide purchase order of the equipment shown on Offer Number: SAP 0026976778, which clearly establishes definite price and specifications of material ordered. The person signing is doing so according to the Total Energy Systems terms and conditions on the following page.

Proposed by:
Company: Total Energy Systems, LLC Company

Accepted by:
Company: _____
Print Name: _____
Title: _____
Signature: _____
Date: _____
PO Number: _____

Please initial Submittal Preference:

_____ Order released to Production; Submittals needed for Record Only

_____ Submittal required, and submittal approval needed to release to Production.

_____ Order released to Production; No submittals needed

PLEASE NOTE:

A. Quotation expires in 30 days.

B. **Off-loading, installation, insulation, etc. of all associated equipment is not included, unless otherwise stated.**

C. NETA Testing, if required, is not included and will be completed by others.

D. Fuel, fuel piping plans, installation and permitting of tanks or piping, if required, is not included.

E. Quotation meets functional intent of specifications, either verbal or written, unless otherwise noted.

F. State and/or local permits, where applicable, are not included and must be purchased by owner or installing contractor.

G. Recording of training or recorded versions of training are not provided due to liability reasons.

H. Due to unprecedented, industry-wide, supply chain and labor constraints, the established and published factory lead-times we typically offer are now considered a good faith estimate and are subject to change. We cannot guarantee manufacturers' lead times, but we will endeavor to communicate the most current estimated factory delivery.

I. Acceptance of any order is subject to credit approval.

TERMS AND CONDITIONS:

TERMS: Payment is due within 30 days of our invoice date. Equipment will be invoiced when ready to ship, i.e., progress billing. Services will be billed upon completion. Payment of your invoices is not contingent on any payments received from your customer. We may determine, at our sole discretion, that your financial condition requires a 30% down payment prior to the order being released to production. Past due accounts are subject to financing fees of 1.5% per month. Should we need to take collections actions against you, you will be liable for any collection/attorney fees incurred.

CREDIT CARD PAYMENTS: Credit card payments are subject to a processing fee of up to 3%.

GENERAL: Clerical errors are subject to correction. Orders resulting from quotations become contracts. Any agreement or other understanding supplementing or modifying the conditions of the contract will not be mutually binding unless made in writing.

LIABILITY: We accept orders under the condition that the customer waives any claims for damages, liquidated or otherwise, arising from delays in delivery of product. Damage resulting from improper storage or handling prior to placing products in service will not be considered our liability. We will not assume any responsibility, expense, or liability for repairs made without our prior written consent. We assume no liability for losses sustained through the use of any of the products purchased via the contract.

RETURNED MATERIAL: Material may not be returned without first obtaining written approval. No claim will be allowed, nor credit given for material returned without such written approval. It is your duty to inspect goods within ten days after receipt.

SHIPMENT: Our responsibility ceases with the delivery of equipment in good order to transportation companies (FOB Shipping Point). Claims for shortage or damage in transit must be made by the customer against the carrier. In the absence of definite shipping instructions, we reserve the right to ship all material, upon completion, by any public carrier, which in our opinion is satisfactory.

TAXES: State and local sales and use taxes and excise taxes, where applicable, are in addition to quoted prices and will be billed unless the purchaser promptly certifies that the goods are for resale or are otherwise exempt.

GUARANTEE: As outlined by applicable manufacturer.

STORAGE: Storage fees will be charged on all equipment which is ready for shipment but not shipped at your request. Terms still apply.

CANCELLATION: All orders cancelled after submittal completion are subject to a $1,000 fee. All orders cancelled after the submittal is approved are subject to cancellation charges of up to 50% as incurred by Total Energy Systems from the manufacturer.

WARRANTY: All orders must have start up completed within 12 months of shipment from factory, or warranty could be VOID.

INSTRUMENTATION BIDS

West Michigan Instrumentation Systems, Inc.

IDC

Commerce Controls Incorporated

WEST MICHIGAN INSTRUMENTATION SYSTEMS, INC.

12575 CLEVELAND STREET • NUNICA, MI 49448-9617 • PH. (616) 837-6148 • FAX (616) 837-8956

April 20, 2023

Re: **Delta Township**
Ultium 3 Water Booster Station Improvements Bid Package 4
Quote Number: 4396
No Installation unless noted.

We are pleased to offer our proposal for the furnishing of equipment described in the above referenced specification sections and contract drawings.

Taxes: Excluding all applicable sales or use taxes, fees and licenses.
Terms of Payment: 90% upon delivery, net 30 days, 10% after start-up and acceptance.
Freight: This proposal is quoted F.O.B. shipping point with full freight allowed.
Validity of Proposal: All prices herein are valid for a period not to exceed thirty (30) days.
Supplier: West Michigan Instrumentation Systems, Inc.
Major Equipment Supplier: As per Specification
System Responsibility Assumed By: West Michigan Instrumentation Systems, Inc.
Warranty Responsibility Assumed By: Equipment Manufacturer
Maintenance Service Personnel Employed By: West Michigan Instrumentation Systems, Inc.
Field Service: The services of a trained service engineer will be provided for technical installation advice, inspect equipment installation, supervise initial equipment start-up, and make necessary adjustments to insure operator/owner personnel in the care and operation of the equipment being proposed. This proposal includes start-up supervision, instructional and installation supervision, **as required per spec.**
Exceptions: This proposal specifically does not include the following:

1. Any installation of equipment not specified in the project specifications.
2. Any electrical wiring of material pertaining thereto.
3. Any interconnecting piping, fittings, valves, sleeves or any other plumbing fixtures. Any pneumatic or hydraulic piping external to the proposed equipment unless specifically listed in the Bill of Materials.
4. Installation not included, coordination is.
5. Programming of PLCs and Radios by others.

SCOPE/BILL OF MATERIAL

Booster Station Control Panel

Two door panel, painted white with side-subs, light, cooling fans and window kit.
Transformer, surge arrestor and UPS
Fiber Optic Conversion Panel with 12 Ports, Multimode, LC.
Fiber optic patch cords, two for each VFD up to 50 meters each.
Allen-Bradley ControlLogix L81E with redudant processor rack, networking components and listed IO Cards.
Allen-Bradley PanelView 19" Professional, Series B
Quantity of 3 Stratix 5800 Fiber/Copper Switches with additional 8 Fiber Ports each and associated 1 GB SFPs
UL Listed, Shrink wrapped and delivered on pallet with two sets of drawings

Booster Station Instruments

Millet Tank PIT-100 and associated components (0-150 psi)
Pump Discharge PIT-101 and associated components (0-150 psi)
Tank Pressure PIT-102 and associated components (0-50 psi)
Air Compressor PIT-200 and associated components (0-200 psi)
Tank Discharge FIT-100 10" and associated components (0-3,500 GPM)
Booster Flow FIT-101 10" and associated components (0-3,500 GPM)
Millet Tank FIT-102 6" and associated componenets (0-500 GPM)
Water Temperature Probe TIT-100 and associate components (20 – 75 Degrees)
Electrical Room Temperature TIT-140 and associated componenets (30 – 150 Degrees)
Pump Room Temperature TIT-141 and associated components (30 – 150 Degrees)
Hydropneumatic Tank LIT-100 and associated components (0-96")

Re: **Delta Township**
Ultium 3 Water Booster Station Improvements Bid Package 4
Quote Number: 4396

No Installation unless noted.

Generator Panel Modifications

Fiber Option Conversion Panel with 12 Ports, Multimode, LC.
Fiber optic patch cord to panel up to 50 m.
Stratix 2000 Fiber/Copper Switch with associated 1 GB SFPs.

Booster Station Radio Control Panel

Wall Mount Panel, painted white, sun shades, insulated, cooling fans and heater.
Surge arrestor, 3 receptacles and UPS
Fiber Option Conversion Panel with 12 Ports, Multimode, LC.
Fiber optic patch cord to panel up to 50 m.
Stratix 2000 Fiber/Copper Switch with associated 1 GB SFPs.
1 AirMux-400H and associated components
1 PowerFlow Switch and associated components and power supply.
UL Listed, Shrink warpped and deliverd on paell with two sets of drawings.

Millet Tank Panel

Wall Mount Panel, painted white, sun shades, insulated, cooling fans and heater.
Surge arrestor and UPS
Fiber Option Conversion Panel with 12 Ports, Multimode, LC.
Fiber optic patch cord to radio panel up to 50 m.
Allen-Bradley CompactLogix 5069-L330ER with specified IO Cards.
Stratix 2000 Fiber/Copper Switch with associated 1 GB SFPs.
UL Listed, Shrink warpped and deliverd on paell with two sets of drawings.

Millet Tank Radio Control Panel

Wall Mount Panel, painted white, sun shades, insulated, cooling fans and heater.
Surge arrestor, 3 receptacles and UPS
Fiber Option Conversion Panel with 12 Ports, Multimode, LC.
Fiber optic patch cord to panel up to 50 m.
Stratix 2000 Fiber/Copper Switch with associated 1 GB SFPs.
1 AirMux-400H and associated components
4 AirMux-500I and associated components
1 PowerFlow Switch and associated components and power supply.
UL Listed, Shrink warpped and deliverd on paell with two sets of drawings.

Booster Station Control Panel	$	198,700.00
Booster Station Instrumentation	$	56,968.00
Booster Station Generator Modifications	$	3,739.00
Booster Station Radio Control Panel	$	21,250.00
Millet Tank Control Panel	$	29,770.00
Millet Tank Radio Control Panel	$	62,570.00
GRAND TOTAL (SALES TAX NOT INCLUDED)	**$**	**372,997.00**
SALES TAX (ADD IF NECESSARY)	$	22,379.82
GRAND TOTAL WITH SALES TAX	**$**	**395,376.82**

If you would like more information or if sections are missing, please feel free to contact me.

Sincerely,

Rusty Sietsema

Rusty Sietsema
West Michigan Instrumentation Systems, Inc.

INNOVATIVE ENGINEERING
AGV SPECIALISTS

IDCCORPORATION.COM



Quote #	34487
Customer	Tetra Tech
Project	Delta Twp Ultium Improvements
Delivery	50-52 Weeks ARO
Contact	Gene Jones
Date	4/20/2023
Estimator	Ken Black
E-Mail	dgoeckel@idccorporation.com
Phone	517-648-6171

MADE IN THE USA

INNOVATIVE ENGINEERING
AGV SPECIALISTS

5100 North Canal Rd.
Dimondale, MI 48821
517-646-0358

Delta Township Quote #34487

Booster station control panels:

Two 84 x 36 x 24-inch indoor enclosures will be bolted together side by side at the booster station. Main backplates and side mounted backplates for each are included in the quote. Wiring between the panels will be accomplished by chase nipples or similar means.

These panels are powered by a 480 VAC to 120 VAC single phase isolation transformer feeding a 3 KVA Eaton 9PX series UPS which will supply power to both panels. One panel has a flange mounted operating mechanism for a circuit breaker which turns off the 480 VAC power to the system.

Between them these panels house the redundant processors, mounting racks, ethernet and fiber switches and patch panels as well as the requisite power supplies and I/O modules associated with the booster station as depicted on sheet I-100 and I-400 through I-408 of the drawings. Top mounted vent fans, and door mounted vents are included, along with a window kit (assuming a door mounted subplate is not needed).

Booster Station Radio Panel

This is an outdoor panel with internal heater, sun shields, ventilation, surge suppression, Eaton 9PX series UPS, radio power supply and POE equipment, one Airmux 5000I series subscriber radio/antenna unit included loose for mounting by others. The panel will be lined with rigid foam insulation. RAD Outdoor lightning protection unit is included for mounting near the radio/antenna. Surge suppression is also included at the panel end of the CAT-5E cable.

Millet Tank Processor Panel

This indoor panel will house the new CompactLogix PLC, local I/O, power supplies as needed, Eaton 9PX Series AC UPS, Sola 24 VDC UPS system, terminals, circuit breakers, control relays and an ethernet switch. A Moore temperature transmitter will be mounted to the side of the panel as shown on Sheet I-409.

Millet Tank Radio Panel

This is an outdoor panel with internal heater, sun shields, ventilation, surge suppression, Eaton 9PX series UPS, radio power supply and POE equipment, four RAD Airmux 5000I series radio/antenna units and one RAD 400H point-to-point backhaul radio are included loose. The specific part number of this radio will need to be selected to match the mating radio already purchased for the WWTP. The panel will be lined with rigid foam insulation. RAD Outdoor lightning protection unit is included for mounting near each radio/antenna. Surge suppression is also included at the panel end of each CAT-5E cable.

Field Instrumentation included in this quote:

LE-100/LIT-100 Endress and Hauser Capacitance Probe

TE-100/TIT-100, TE-101/TIT-101Water temperature sensors

TE-140/TIT140, TE-141/TIT-141 (30 -150 Deg. F) electrical room and pump room temperature sensors

FE/FIT-100, FE/FIT-101 Flow meters with 10-inch spool piece.

FE/FIT 102 Flow Meter with 6-inch spool piece.

INNOVATIVE ENGINEERING
AGV SPECIALISTS

5100 North Canal Rd.
Dimondale, MI 48821
517-646-0358

PIT-100 (0-150 PSI), PIT101(0-150 PSI), PIT-102 (0-50 PSI), PIT-103 (0-150 PSI) (see note below)

Note: There are two devices in the lower right quadrant of Sheet I-201 that are both identified as PIT-100 with identical pressure ranges so two devices were included in the quote on the assumption that one of these supposed to be PIT-103 as shown on sheet I-408 which appears nowhere else in the drawings.

PIT-200 (0-200 PSI) Compressed Air

Four integral manifolds for pressure transmitters

All devices above have LCD displays with local operator interfaces.

Moore Industries Temperature Transmitter located at Millet Processor Panel

NOTE: PIT-103 was shown only on sheet I-408 with insufficient detail to allow quoting so it is **NOT** included in our pricing.

Total cost of equipment and panel build outlined above is: $665,505.00

Separate line item to be included only if needed at the Millet Tank:

Ethernet I/O adapter and point I/O modules and wiring bases supplied loose to replace the existing SLC I/O: - **$1940.00**

Separate Line Item for Drawings if needed:

In case there was a misunderstanding about drawings being “by others”, complete panel wiring, and assembly drawings can be added to our quote for a line-item cost of: - **$23,400.00**

Items not quoted include but are not limited to:

The VFDs and Motor control centers

Any equipment involved with the generator including switches, patch panels and cables.

Any external wires, cables, or hardware at any of the sites.

External CAT-5E cables for radios are considered part of the installation equipment and are not included in our price. Tower and poles and any mounting hardware not included with the RAD radio and surge suppression equipment is by others.

Control panel drawings. According to Gene Jones, drawings are “by others”. See line item above.

Delivery: Based on estimated delivery for certain components, we estimate our delivery to be 50 to 52 weeks after receipt of an order. Due to the unpredictable nature of component availability we cannot guarantee delivery until all purchased components are received at our shop.

INNOVATIVE ENGINEERING
AGV SPECIALISTS

5100 North Canal Rd.
Dimondale, MI 48821
517-646-0358

CLARIFICATIONS

Note that in the line items above in the quote are further notes, exceptions and clarifications further describing what is included and excluded in this proposal.

IDC Corporation reserves the right to readjust this quote price based on any content changes that occur during the process and design phases up to and including the 40% complete design milestone approval. Design & Build may be Re-Quoted after 40% to reflect significant Content Changes or if customer requests multiple concept requests beyond initial design criteria agreed upon during the initial kick-off and coordination meetings.

This quote includes install support/start-up production support to be completed as described above.

Suggested spare parts list and pricing will be determined after installation is complete. This proposal does not include any spare parts.

All programming, screens, schematics and documentation are to be provided in English.

All equipment is quoted as OEM as described. If further specifications or requirements are required to be followed, this quote will be updated accordingly to reflect required changes.

Customer to provide all equipment, material, and labor to unload delivered equipment and to set equipment in place at install and necessary for install; IE: Scissor lifts, safety equipment.

Quote items above DO NOT include the following:

1.) Any Customs Export (Commercial Invoice/NAFTA) Documentation.
2.) Cost for foreign inspection and certification for health and safety or other requirements.
3.) Duties and taxes imposed by domestic or foreign entities.
4.) Teardown and packaging for transport overseas or by any means.
5.) Customer to supply any guard rails and/or safety fencing if required.

Payment Terms

TDB; Negotiable

Spare Parts

1. IDC can provide a quote for recommended spare parts. The specific contents of this package will be developed once design is complete and will contain recommendations for critical, long lead, and consumable spare parts.
2. We will be in contact during the build phase of the project to discuss recommendations and finalize a cost. Discounts from standard pricing may be available.

Standard Clarifications

1. FOB Dimondale unless noted otherwise.
2. All required part data must be received with receipt of your purchase order. IDC will specify the part data type and method of transfer required (e.g. 3D models in .stp, iges, etc.). Project lead time starts upon receipt of all data and documentation.
3. Unless otherwise specified in this quote, all rigging and associated responsibilities for equipment unload, transfer, and positioning on the production floor is the responsibility of the customer.
4. Quote is valid for 30 days.

Warranty

1. This warranty extends only to the buyer purchasing the equipment directly from IDC or through its dealers, distributors, or agents as new equipment.
2. This equipment, excluding consumables, is warranted by IDC to be free from defects of workmanship and materials for a period of 1 year from date of shipment, provided it is properly operated under conditions of normal use.

INNOVATIVE ENGINEERING
AGV SPECIALISTS

5100 North Canal Rd.
Dimondale, MI 48821
517-646-0358

3. Commercial components will carry the manufacturer's warranty.
4. IDC shall not be liable to buyer from consequential damages, or damages of any kind based upon a claim for breach of warranty other than as stated above.
5. IDC shall be relieved of any obligation or liability if this equipment has been repaired or altered. Including the use of components other than those manufactured or approved in writing by IDC by anyone other than IDC, or if this equipment has been subject to: Misuse, abuse, negligence, accident, improper installation, improper operation, improper maintenance, repair or alteration, accident, or unusual deterioration or degradation of the equipment or parts thereof due to physical environment.

Definition of Hours

1. Overtime is defined as work performed Monday through Friday over forty (40) hours per week and all work performed on Saturday.
2. Double time is defined as work performed on Sundays or nationally recognized holidays and will be charged at 2x the Hourly Rate.

Purchase Order Email Address: LSymanzik@idccorporation.com; Cc: dgoeckel@idccoporation.com

Commerce Controls Incorporated

SYSTEMS INTEGRATORS

41069 VINCENTI COURT • NOVI, MICHIGAN 48375 • 248-476-1442
www.commercecontrols.com FAX 248-476-6122

April 20, 2023

To: Tetra Tech / Delta Twp.

Attn: Melissa Hopkins / Gene Jones

Ref: Delta Township Water Booster Station

Commerce Controls, Inc. is pleased to submit the following proposal to provide the Control System field services for the above-referenced project. Our proposal is in accordance with drawings & specifications received from Tetra Tech.

SUMMARY OF WORK

This project consists of but is not limited to controls improvements for the Delta Township Water System.

SERVICES

In House Engineering:

NOTE: Per specifications and as noted in "I" drawings, PLC, Radios & SCADA Programing is by Tetra Tech and not included in this proposal.

CCI's Project Manager will be the primary point of contact and will direct internal resources to meet schedule and contract requirements.

- ❖ We have included PM time for virtual progress/coordination meetings between the owner/engineer to assure a smooth transition from existing to new panel equipment including PLC switch-out. On site meetings can be arranged as needed or while mobilized.

- Hardware Design: We will develop detailed submittal information for the Instrumentation & Control System including:
  - Control panel hardware & schematics reflecting panel modifications and new panels completed by CCI.
  - Operation and Maintenance Manual (including Record Drawings) for modifications done and new equipment supplied.

- Factory Testing: CCI will provide factory floor space for all the control panels supplied by CCI allowing Tetra Tech to perform a factory acceptance test. For construction and manufacturing scheduling purposes we have made provisions for one (1) test in which we have included approximately two (2) weeks total for completion of the test. CCI will provide a panel electrician to make corrections to meet contract requirements. CCI has not included any costs for Tetra Tech representatives' travel and living expenses.

Field Support: Not included.

Note:

PER DIRECTION IN EMAIL FROM GENE JONES, FIELD SERVICES ARE NOT INCLUDED AS PART OF THIS PROPOSAL AND WILL BE QUOTED AND COMPLETED IN A LATER PHASE OF THE PROJECT.

EQUIPMENT DELIVERABLES
(see end of document)

PROJECT PRICING

Item No.1	Base Bid - Total Instrumentation & Controls Price:	LS	$387,016.00

ABOVE PRICE INCLUDES TAX AND FREIGHT

Commerce Controls Incorporated

Clarifications

General Limitations:

1. **CCI services and deliverables are limited to those specifically described in this proposal and the included deliverables list. Any discrepancies in our understanding of the scope of work or responsibilities must be addressed prior to final pricing or issuance of a Purchase Order.**

2. CCI reserves the right to update (amend, alter, withdraw, or otherwise modify) this proposal in relation to price, delivery or both without penalty, to the extent such update is due to circumstances beyond our control, including supply chain disruptions, shortages of materials or supplies, or the acts of third-party suppliers, distributors, or manufacturers.

3. It is our understanding that revised panel drawings are to only include the panel modifications performed by CCI in the field. Complete panel drawings of the entire panel are not included this proposal.

4. It is our understanding that all existing equipment is operational and in working order. We have not included any costs associated with existing field equipment found to be faulty. If required, we will provide pricing to replace existing defective equipment on an as-needed basis.

5. CCI's field personnel will participate in the onsite safety program administered by others. We have not included the cost for CCI to provide any dedicated staff towards this effort.

6. We have not specifically included MBE or WBE participation at this time.

7. A one (1) year warranty is included for services and equipment provided by CCI. This warranty does not include removal or reinstallation of faulty devices.

8. Conformal coating has only been estimated on equipment shown as required on the drawings. If conformal coating is required on additional equipment, a change order would be required.

Equipment and services to be provided others including but not limited to:

1. Electrical and mechanical Installation services including all materials required.

2. As indicated, it is our understanding that all and any radio equipment will be provided by the owner and not included in this proposal.

3. Fiber terminations and testing.

4. Meetings, manuals, coordination of equipment outside of what CCI is providing.

5. It is our understanding that ALL programming and configuration of PLC's, SCADA, & Radios will be by others.

6. 480V motor controls including configuration modifications of motor control centers / switchgear.

7. On-site receipt (unloading) and storage of CCI equipment deliverables.

8. Equipment and/or services associated with integrating any vendor packaged systems to be supplied for this project other than what is specifically noted in this proposal.

9. Demolition services and/or disposal/salvage of any obsolete devices or equipment.

Commerce Controls Incorporated

Financial Terms and Provisions

1. The proposal price is F.O.B. Shipping Points with freight allowed to the jobsite.
2. Payment Terms are Net 30 Days based upon a mutually agreeable Progress Payment Schedule.
3. Costs to cover Liquidated Damages have not been included in this proposal.
4. Our proposal is valid for 90 days from the date of this proposal.
5. We have not included the cost for a Payment & Performance Bond for this project.
6. We have included sales tax on equipment.

Commerce Controls, Inc. appreciates the opportunity to submit this proposal. Should you have any questions please contact this office at your convenience for additional clarification.

Respectfully Submitted,

Commerce Controls, Inc.

Eric Hine

Business Development Manager
Water & Wastewater Systems

(248) 522-0477 – Direct
(248) 476-6122 – Fax
(734) 751-2593 – Mobile

PROJECT DELIVERABLES

CONTROL PANELS (qty=1, typical)

New Control Panels

WORK AREA	DESCRIPTION	Sheet #'s	Nema/Size	Note(s)
Booster Station Electrical Room	Booster Pump Station Processor Panel (BPSPP)	E303, I100,400	2dr FS Nema 12 84x72x24	2 single doors bolted together
Millet Tank Water Tower	Millet Tank Control Processor Panel (MTPP)	E305, I102,409	WM Nema 4 42x36x12	Insulation, Paint white
Millet Tank Water Tower	Millet Tank Radio Panel (MTRP)	E305, I101,103,	WM Nema 4 42x36x12	Insulation, Paint white, Sunshields
Booster Station	Booster station Radio Panel (BSRP)	I100,101,103	WM Nema 4 42x36x12	Insulation, Paint white, Sunshields
	Emergency Generator Network Panel	I100,		FOPP & Ethernet Switch
Electrical Room	Estop PB Enclosure 1	E303,	1hole PB Nema 4	
Electrical Room	Estop PB Enclosure 2	E303,	1hole PB Nema 4	
Pump Room	Estop PB Enclosure 3	E303,	1hole PB Nema 4	

FIELD EQUIPMENT

Spec Section - Type

WORK AREA	Qty	ID Tag	APPLICATION	Range	Sheet #	Note(s)
			Pressure Equipment			
	1	PIT-102	Hydroneumatic Tank Pressure	0-50psi	I201,	
	1	PIT-100	To Millet Tank Pressure Indicator	0-150psi	I201,	
	1	PIT-101	Pump Discharge Pressure Indicator	0-150psi	I201,	
	1	PIT-200	Compressed Air Pressure Indicator	0-200psi	I201,	
			Flow Equipment			
	1	FE/FIT-100	Hydroneumatic Tank Discharge Flow	0-3500mgd	I201,	10" Line Size Polyeurethane Liner
	1	FE/FIT-101	To GM Booster Flow	0-3500mgd	I201,	10" Line Size Polyeurethane Liner
	1	FE/FIT-102	To Millet Tank Flow	0-500mgd	I201,	6" Line Size Polyeurethane Liner
			Level Equipment			
	1	LE/LIT-100	Hydroneumatic Tank Level	8ft	I201,	E&H Capacitance Probe
			Temperature Equipment			
	1	TE/TIT-101	Hydroneumatic Tank Temperature Transmitter	20F-75F	I201,	Thermowell
	1	TE/TIT-100	To Millet Tank Temperature Transmitter	20F-75F	I201,	Thermowell
	1	TE/TIT-140	Electrical Room Temperature Transmitter	30F-150F	I201,	Moore Industires RTD
	1	TE/TIT-141	Pump Room Temperature Transmitter	30F-150F	I201,	Moore Industires RTD

ELECTRICAL BIDS

Kendall Electric

Schneider Electric

KENDALL ELECTRIC

A MEMBER OF THE KENDALL GROUP

KENDALL ELECTRIC
7633 LANAC ST
LANSING MI 48917-9517
517-322-2411 Fax 517-322-0743

Quotation S112976264

Order Date: 05/05/23	
Terms: Net Due 30 Days	
Customer PO#	Release #
MCCs A, B & revised	
Ordered By: GENE/ TETRA TECH	
Phone: 517-323-8500	

Sold To: 1309
DELTA (TOWNSHIP OF)
7710 W SAGINAW HWY
LANSING, MI 48917-9712

Ship To: 30938
DELTA (TOWNSHIP OF) UTILITIES
7000 WILLOW HWY
LANSING, MI 48917-9728

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EKDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	JOANNE CEBELAK, 1729-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
	1ea	2955646	MCC2100-ENG ALLEN-BRADLEY MOTOR CONTROL CENTER DELTA TOWNSHIP WBS MCC A 5306243/1 3 SECTION, 1 SHIPPING BLOCK ** ESTIMATED 26 WEEK LEAD TIME	05/05/	21501.450/ea	21,501.45
	1ea	2955646	MCC2100-ENG ALLEN-BRADLEY MOTOR CONTROL CENTER DELTA TOWNSHIP WBS MCC B 5306243/2 2 SECTION, 1 SHIPPING BLOCK ** ESTIMATED 26 WEEK LEAD TIME	05/05/	16571.650/ea	16,571.65
	1ea	2955646	MCC2100-ENG ALLEN-BRADLEY MOTOR CONTROL CENTER DELTA TOWNSHIP WBS MCC SE REV 5306243/8 4 SECTION, 2 SHIPPING BLOCKS ** ESTIMATED 51 WEEK LEAD TIME TO DELIVER ** IF APPROVAL CYCLE IS REQUIRED, ADD 8 WEEKS	05/05/	46502.212/ea	46,502.21
	1ea	3699834	*** SHIPPING AND/OR HANDLING *** MAY USE OWN FREIGHT COMPANY OR PLUS FREIGHT FOB DESTINATION IS +$1500 AND IS HIGHLY RECOMMMENDED. CUSTOMER IS RESPONSIBLE FOR VERIFYING ALL MATERIAL AND	05/05/	0.000/ea	0.00

Thank You - We Appreciate Your Business

KENDALL ELECTRIC

A MEMBER OF THE KENDALL GROUP

Quotation S112976264

Order Date: 05/05/23	
Terms: Net Due 30 Days	
Customer PO#	Release #
MCCs A, B & revised	
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7000 WILLOW HWY
LANSING, MI 48917-9728

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EKDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	JOANNE CEBELAK, 1729-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
			QUANTITIES ARE CORRECT PRIOR TO ORDERING *** TAXES NOT INCLUDED ***			

This quotation is an offer to sell you the goods or services described herein on the terms set forth above and on our standard Terms and Conditions of Sale, which are available at http://www.kendallgroup.com/legal/t_and_c_sale or by calling 800-632-5422. Your order of any goods or services identified in this quotation constitutes your acceptance of our standard Terms and Conditions of Sale. We object to any different or additional terms and reject any prior offers we received from you. Wire, conduit & pipe pricing valid for 04/04/2023 only. Open, special order or or non-stock items may not be returnable. Prices expire on, and are subject to change after, 05/04/2023 unless otherwise stated on our quotation, cover page, or e-mail.

Subtotal	84575.31
S&H CHGS	TBD
Sales Tax	TBD
Amount Due	84575.31

Thank You - We Appreciate Your Business

Printed: 17:05:20 05 MAY 2023

Rockwell Automation

Centerline 2100 Motor Control Center

Structure and Unit Specifications

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC A	Created By:	Mark Michalak
Project ID #:	5306243/1	Date/Time:	04/04/23 - 14:07

Unit Diagram Location: Within each unit

STANDARD STRUCTURE / SECTION SPECIFICATIONS

Line Voltage / Frequency: 480 Volts / 60 Hertz
Class I Wiring Type: B-T Control and Power Terminal Blocks
NEMA Enclosure Type: 12 - Fully Gasketed with Bottom Plates

QTY	STANDARD STRUCTURE / SECTION SPECIFICATION	DELIV PROG
1	POWER SYSTEM - WYE, 3-PHASE, 3-WIRE WITH SOLIDLY GROUNDED NEUTRAL	SCII
3	AUTOMATIC SHUTTERS FOR STAB OPENINGS	SCII
3	SECT DEPTH 20"	SCII
3	NEMA ENCL TYPE 12 (FULLY GASKETED, DOORS AND REMOVEABLE COVERS)	SCII
3	BASE SECTION	SCII
3	HORIZ GRD BUS, 0.25" X 1" CU/UNPLATED(Bottom)	SCII
3	HORIZ PWR BUS, 600A, CU/TIN	SCII
3	BUS BRACING 65KA RMS SYMMETRICAL	SCII
3	VERT PWR BUS, 300A, CU/TIN	SCII
3	VERT GRD BUS, PLUG-IN, STEEL/ZINC PLATED	SCII

STARTER / UNIT SPECIFICATIONS

ID	QTY	CATALOG NUMBER	SPACE FACTOR	DELIV PROG
1	1	2193MT-EJC-52TMM-98	2	SC
2	1	2193F-AJB-31TGM-98	1	SC
3	3	2193F-AJB-32TGM-98	1	SC
4	1	2193F-AJB-36TGM-98	1	SC
5	4	2193F-CJC-42TJM-98	1.5	SC
6	5	2100-BJ10	1	SC

		DOCUMENTATION - WITHIN EACH UNIT	

	15	Acrylic - White letters on black	SC

Total Space Factors Used = 18

Delivery Program Type = SCII

Rockwell Automation

Centerline 2100 Motor Control Center

MCC Details

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC A	Created By:	Mark Michalak
Project ID #:	5306243/1	Date/Time:	04/04/23 - 14:07

The details of the proposed motor control center are as follows:

Category	Description
Total Section(s)	3
Total Shipping Block(s)	1
Section Depth	Front Mounted, 20" Deep
Section Height	90" High
Enclosure	12 - Fully Gasketed with Bottom Plates
Designed For Use With	Power System Type: Wye, 3-phase, 3-wire with solidly grounded neutral
MCC Connection Type	Main Circuit Breaker
Incoming Cable Entry	Top, Section 1
Main Bus Rating	600A
Main Bus Material	Copper / Tin Plated
Main Bus Bracing	65kA (rms symmetrical)
Horizontal Ground Bus	1/4" X 1", Bottom, Unplated Copper
Vertical Ground Bus	Plug-in Zinc Plated Steel
Stab Opening Protection	Automatic Shutters
Master Nameplate	No

Rockwell Automation

Centerline 2100 Motor Control Center

Unit List

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC A	Created By:	Mark Michalak
Project ID #:	5306243/1	Date/Time:	04/04/23 - 14:07

ID	QTY	Catalog Number / Unit Description
1	1	2193MT-EJC-52TMM-98 / Main Circuit Breaker - 800A Frame Rating - Top Mounted with 600A Trip
2	1	2193F-AJB-31TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 20A Trip
3	3	2193F-AJB-32TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 30A Trip
4	1	2193F-AJB-36TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 60A Trip
5	4	2193F-CJC-42TJM-98 / Feeder Circuit Breaker - 250A Frame Rating with 150A Trip
6	5	2100-BJ10 / Blank Unit Door - 1.0 Space Factor

Rockwell Automation

Centerline 2100 Motor Control Center

Unit Description

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC A	Created By:	Mark Michalak
Project ID #:	5306243/1	Date/Time:	04/04/23 - 14:07

General Information

Line Voltage / Frequency:	480 Volts / 60 Hertz
Power System Configuration:	Wye, 3-phase, 3-wire with solidly grounded neutral
Class I Wiring Type:	B-T Control and Power Terminal Blocks
NEMA Enclosure Type:	12 - Fully Gasketed with Bottom Plates
Available Fault Current:	50,001 to 65,000 A
Unit Nameplate Type:	Acrylic - White letters on black
Delivery Program:	SCII

Unit Information

Description	Unit Features
Unit Loc: 01A Del Prog: SCII **Unit ID: 1** MCB - Main Circuit Breaker **Rating** 600A **Wiring Diagram** 10004460690 **Name Plate Information** MAIN INCOMING POWER	**Catalog Number: 2193MT-EJC-52TMM-98** Total Space Factor = 2 Circuit Breaker: Electronic (LSI), 65kA at 480V (600) with Frame Rating of 800A (M6H Frame), Top Mounted, 600A Trip Lugs Supplied: Std Mech/Lug Pads, 350 kcmil Size Wire, 2 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01E Del Prog: SCII **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 60A **Wiring Diagram** 10004055802 **Name Plate Information** TRANSIENT VOLTAGE SURGE SUPPRESSION **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-36TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (60) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 60A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 01G **Del Prog: SCII** **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 150A **Wiring Diagram** 10004043046 **Name Plate Information** BOOSTER PUMP N0.4 (SC. 104) **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-CJC-42TJM-98** Total Space Factor = 1.5 Circuit Breaker: Thermal Magnetic, 65kA at 480V (150) with Frame Rating of 250A (J6 Frame), Plug-In Unit, 150A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01K **Del Prog: SCII** **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 150A **Wiring Diagram** 10004043046 **Name Plate Information** LIGHTING TRANSFORMER/PANEL LP-A1 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-CJC-42TJM-98** Total Space Factor = 1.5 Circuit Breaker: Thermal Magnetic, 65kA at 480V (150) with Frame Rating of 250A (J6 Frame), Plug-In Unit, 150A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02A **Del Prog: SCII** **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Name Plate Information** UNIT HEATER NO. 3 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 02C Del Prog: SCII **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Name Plate Information** VALVE ACTUATOR NO. 3 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02E Del Prog: SCII **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Name Plate Information** VALVE ACTUATOR NO. 2 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02G Del Prog: SCII **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 150A **Wiring Diagram** 10004043046 **Name Plate Information** BOOSTER PUMP NO. 1 (SC. 101) **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-CJC-42TJM-98** Total Space Factor = 1.5 Circuit Breaker: Thermal Magnetic, 65kA at 480V (150) with Frame Rating of 250A (J6 Frame), Plug-In Unit, 150A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 02K Del Prog: SCII **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 150A **Wiring Diagram** 10004043046 **Name Plate Information** BOOSTER PUMP NO. 2 (SC. 102) **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-CJC-42TJM-98** Total Space Factor = 1.5 Circuit Breaker: Thermal Magnetic, 65kA at 480V (150) with Frame Rating of 250A (J6 Frame), Plug-In Unit, 150A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03A Del Prog: SCII **Unit ID: 6** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03C Del Prog: SCII **Unit ID: 6** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03E Del Prog: SCII **Unit ID: 6** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03G Del Prog: SCII **Unit ID: 6** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03J Del Prog: SCII **Unit ID: 6** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03L Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 20A **Wiring Diagram** 10004101563 **Name Plate Information** EF-1 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-31TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (20) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 20A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

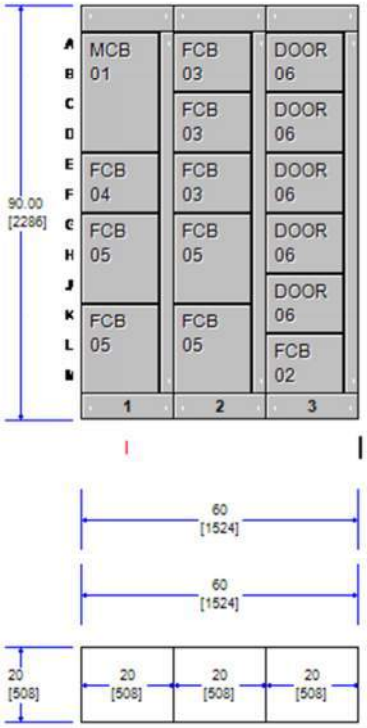
Rockwell Automation

Centerline 2100 Motor Control Center

Front Elevation

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC A	Created By:	Mark Michalak
Project ID #:	5306243/1	Date/Time:	04/04/23 - 14:07

Rockwell Automation/Allen-Bradley
PowerControl Builder Lineup



NOTE: Dimensions are subject to change after design review.
ENCLOSURE: NEMA Type 12 (Fully Gasketed with Bottom Closing Plates)

Estimated Heat Loss: 728 watts
BTU/hr Required: 2485
Air Conditioning Tons: 0.21
Estimated Weight: 1500 lb (680 kg)

Rockwell Automation

Centerline 2100 Motor Control Center

Structure and Unit Specifications

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC B	Created By:	Mark Michalak
Project ID #:	5306243/2	Date/Time:	04/04/23 - 14:08

Unit Diagram Location: Within each unit

STANDARD STRUCTURE / SECTION SPECIFICATIONS

Line Voltage / Frequency: 480 Volts / 60 Hertz
Class I Wiring Type: B-T Control and Power Terminal Blocks
NEMA Enclosure Type: 12 - Fully Gasketed with Bottom Plates

QTY	STANDARD STRUCTURE / SECTION SPECIFICATION	DELIV PROG
1	POWER SYSTEM - WYE, 3-PHASE, 3-WIRE WITH SOLIDLY GROUNDED NEUTRAL	SCII
2	AUTOMATIC SHUTTERS FOR STAB OPENINGS	SCII
2	SECT DEPTH 20"	SCII
2	NEMA ENCL TYPE 12 (FULLY GASKETED, DOORS AND REMOVEABLE COVERS)	SCII
2	BASE SECTION	SCII
2	HORIZ GRD BUS, 0.25" X 1" CU/UNPLATED(Bottom)	SCII
2	HORIZ PWR BUS, 600A, CU/TIN	SCII
2	BUS BRACING 65KA RMS SYMMETRICAL	SCII
2	VERT PWR BUS, 300A, CU/TIN	SCII
2	VERT GRD BUS, PLUG-IN, STEEL/ZINC PLATED	SCII

STARTER / UNIT SPECIFICATIONS

ID	QTY	CATALOG NUMBER	SPACE FACTOR	DELIV PROG
1	1	2193MT-EJC-52TMM-98	2	SC
2	2	2193F-AJB-34TGM-98	1	SC
3	3	2193F-AJB-32TGM-98	1	SC
4	1	2193F-AJB-36TGM-98	1	SC
5	2	2193F-CJC-42TJM-98	1.5	SC
6	1	2100-BJ10	1	SC

		DOCUMENTATION - WITHIN EACH UNIT	

	10	Acrylic - White letters on black	SC

Total Space Factors Used = 12

Delivery Program Type = SCII

Rockwell Automation

Centerline 2100 Motor Control Center

MCC Details

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC B	Created By:	Mark Michalak
Project ID #:	5306243/2	Date/Time:	04/04/23 - 14:08

The details of the proposed motor control center are as follows:

Category	Description
Total Section(s)	2
Total Shipping Block(s)	1
Section Depth	Front Mounted, 20" Deep
Section Height	90" High
Enclosure	12 - Fully Gasketed with Bottom Plates
Designed For Use With	Power System Type: Wye, 3-phase, 3-wire with solidly grounded neutral
MCC Connection Type	Main Circuit Breaker
Incoming Cable Entry	Top, Section 1
Main Bus Rating	600A
Main Bus Material	Copper / Tin Plated
Main Bus Bracing	65kA (rms symmetrical)
Horizontal Ground Bus	1/4" X 1", Bottom, Unplated Copper
Vertical Ground Bus	Plug-in Zinc Plated Steel
Stab Opening Protection	Automatic Shutters
Master Nameplate	No

Rockwell Automation

Centerline 2100 Motor Control Center

Unit List

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC B	Created By:	Mark Michalak
Project ID #:	5306243/2	Date/Time:	04/04/23 - 14:08

ID	QTY	Catalog Number / Unit Description
1	1	2193MT-EJC-52TMM-98 / Main Circuit Breaker - 800A Frame Rating - Top Mounted with 600A Trip
2	2	2193F-AJB-34TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 40A Trip
3	3	2193F-AJB-32TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 30A Trip
4	1	2193F-AJB-36TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 60A Trip
5	2	2193F-CJC-42TJM-98 / Feeder Circuit Breaker - 250A Frame Rating with 150A Trip
6	1	2100-BJ10 / Blank Unit Door - 1.0 Space Factor

Rockwell Automation

Centerline 2100 Motor Control Center

Unit Description

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC B	Created By:	Mark Michalak
Project ID #:	5306243/2	Date/Time:	04/04/23 - 14:08

General Information

Line Voltage / Frequency:	480 Volts / 60 Hertz
Power System Configuration:	Wye, 3-phase, 3-wire with solidly grounded neutral
Class I Wiring Type:	B-T Control and Power Terminal Blocks
NEMA Enclosure Type:	12 - Fully Gasketed with Bottom Plates
Available Fault Current:	50,001 to 65,000 A
Unit Nameplate Type:	Acrylic - White letters on black
Delivery Program:	SCII

Unit Information

Description	Unit Features
Unit Loc: 01A Del Prog: SCII **Unit ID: 1** MCB - Main Circuit Breaker **Rating** 600A **Wiring Diagram** 10004460690 **Name Plate Information** MAIN INCOMING POWER	**Catalog Number: 2193MT-EJC-52TMM-98** Total Space Factor = 2 Circuit Breaker: Electronic (LSI), 65kA at 480V (600) with Frame Rating of 800A (M6H Frame), Top Mounted, 600A Trip Lugs Supplied: Std Mech/Lug Pads, 350 kcmil Size Wire, 2 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01E Del Prog: SCII **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 60A **Wiring Diagram** 10004055802 **Name Plate Information** TRANSIENT VOLTAGE SURGE SUPPRESSION **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-36TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (60) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 60A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 01G **Del Prog: SCII** **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 150A **Wiring Diagram** 10004043046 **Name Plate Information** BOOSTER PUMP NO. 3 (SC. 103) **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-CJC-42TJM-98** Total Space Factor = 1.5 Circuit Breaker: Thermal Magnetic, 65kA at 480V (150) with Frame Rating of 250A (J6 Frame), Plug-In Unit, 150A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01K **Del Prog: SCII** **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 150A **Wiring Diagram** 10004043046 **Name Plate Information** BOOSTER PUMP NO. 5 (SC. 105) **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-CJC-42TJM-98** Total Space Factor = 1.5 Circuit Breaker: Thermal Magnetic, 65kA at 480V (150) with Frame Rating of 250A (J6 Frame), Plug-In Unit, 150A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02A **Del Prog: SCII** **Unit ID: 6** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1

Unit Loc: 02C Del Prog: SCII **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Name Plate Information** UNIT HEATER NO. 1 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02E Del Prog: SCII **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Name Plate Information** EXISTING UNIT HEATER NO. 2 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02G Del Prog: SCII **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Name Plate Information** VALVE ACTUATOR NO. 3 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 02J Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 40A **Wiring Diagram** 10004136630 **Name Plate Information** SPARE **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-34TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (40) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 40A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02L Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 40A **Wiring Diagram** 10004136630 **Name Plate Information** AIR COMPRESSOR **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-34TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (40) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 40A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

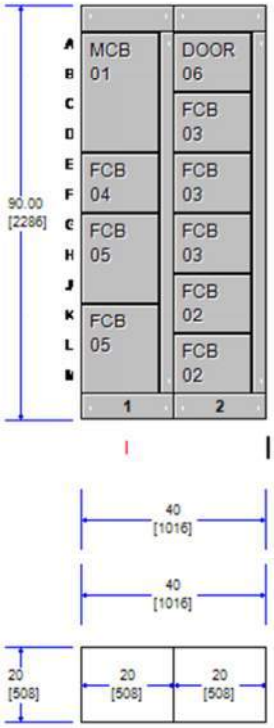
Rockwell Automation

Centerline 2100 Motor Control Center

Front Elevation

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township WBS MCC B	Created By:	Mark Michalak
Project ID #:	5306243/2	Date/Time:	04/04/23 - 14:08

Rockwell Automation/Allen-Bradley
PowerControl Builder Lineup



NOTE: Dimensions are subject to change after design review.
ENCLOSURE: NEMA Type 12 (Fully Gasketed with Bottom Closing Plates)

Estimated Heat Loss: 614 watts
BTU/hr Required: 2096
Air Conditioning Tons: 0.18
Estimated Weight: 1000 lb (454 kg)

Rockwell Automation

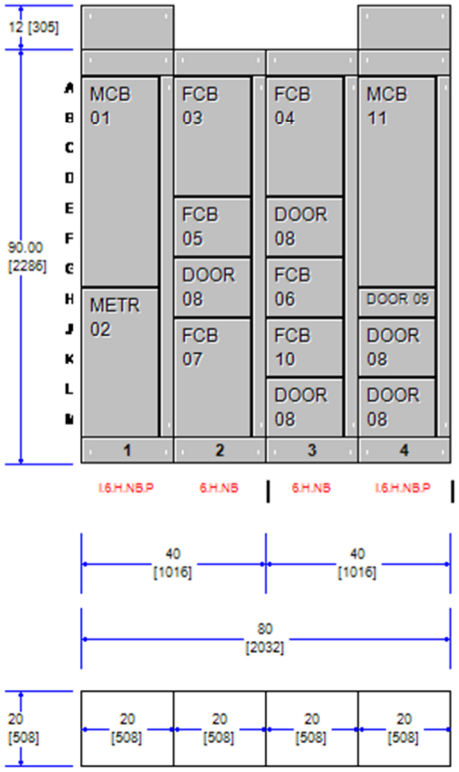
Centerline 2100 Motor Control Center

Front Elevation

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	5306243-7 -Delta Township MCC-SE WBS Upgrade	Created By:	Mark Michalak
Project ID #:	5306243/8	Date/Time:	05/02/23 - 8:03

Rockwell Automation/Allen-Bradley

PowerControl Builder Lineup



NOTE: Dimensions are subject to change after design review.
ENCLOSURE: NEMA Type 12 (Fully Gasketed with Bottom Closing Plates)

Estimated Heat Loss: 1014 watts
BTU/hr Required: 3459
Air Conditioning Tons: 0.29
Estimated Weight: 2000 lb (907 kg)
Heat loss values are for estimating purposes only.

Rockwell Automation

Centerline 2100 Motor Control Center

Structure and Unit Specifications

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	5306243-7 -Delta Township MCC-SE WBS Upgrade	Created By:	Mark Michalak
Project ID #:	5306243/8	Date/Time:	05/02/23 - 8:03

Unit Diagram Location: Central location

STANDARD STRUCTURE / SECTION SPECIFICATIONS

Line Voltage / Frequency: 480 Volts / 60 Hertz
Class I Wiring Type: B-T Control and Power Terminal Blocks
NEMA Enclosure Type: 12 - Fully Gasketed with Bottom Plates

QTY	STANDARD STRUCTURE / SECTION SPECIFICATION	DELIV PROG
1	POWER SYSTEM - WYE, 3-PHASE, 4-WIRE WITH SOLIDLY GROUNDED NEUTRAL	SCII
4	AUTOMATIC SHUTTERS FOR STAB OPENINGS	SCII
4	SECT DEPTH 20"	SCII
4	NEMA ENCL TYPE 12 (FULLY GASKETED, DOORS AND REMOVEABLE COVERS)	SCII
4	BASE SECTION	SCII
4	HORIZ GRD BUS, 0.25" X 1" CU/UNPLATED(Bottom)	SCII
4	HORIZ PWR BUS, 800A, CU/TIN W/FULL RATED NEUTRAL	PEII
4	BUS BRACING 65KA RMS SYMMETRICAL	SCII
4	NEUT CONN PLATE, 280A, CU/TIN IN HORIZ WIREWAY, CABLED TO HORIZ. NEUT BUS	PEII
2	PULLBOX, 12" HIGH	SCII
4	VERT PWR BUS, 600A, CU/TIN	SCII
4	VERT GRD BUS, PLUG-IN, STEEL/ZINC PLATED	SCII

STARTER / UNIT SPECIFICATIONS

ID	QTY	CATALOG NUMBER	SPACE FACTOR	DELIV PROG
1	1	2193MT-FJC-54TMM-82C500-88FN-99-201	3.5	FT1
-	1	*140G Maintenance Mode - Switch Mode Selector Switch, Blue Indicator Light, & Control components for K & M Frame.* *CMOD Note Text - CMOD includes Pilot Light, selector switch and 24VDC power supply requires 0.5 SF adder, must use either crimp lug option or copper mechanical lugs (No Cu/Al mech Lugs).*	-	FT1
-	1	*WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required.* *CMOD Note Text - When selecting CMOD 2321, you must include the standard option -201 in the base catalog string. CMOD 2805 standard option -201 not required.*	-	FT1
2	1	2190-CJB-54M-86W50DXB	2.5	ENG

-	1	*1.0 Space Factor Adder*	-	FT2
-	1	*85-264 VAC TO 24 VDC 1.3A POWER SUPPLY,1794-PS13*	-	ENG
-	1	*Stratix 2000 Ethernet Switch (5 Port) (For use with PowerMonitor unit only),1783-US5T* *CMOD Note Text - Not to be used as a replacement for the Stratix 5700*	-	ENG
3	1	2193FT-EJC-52TMM-98	2	SC
4	1	2193FT-EJC-52TMM-98	2	SC
5	1	2193F-BJC-61THML-98	1	PE
6	1	2193F-BJC-36THML-98	1	PE
7	1	2193F-DJC-48TKM-98	2	SC
8	5	2100-BJ10	1	SC
9	1	2100-BJ05	0.5	SC
10	1	2193F-AJB-36TGM-98	1	SC
11	1	2193MT-FJC-54TMM-82C500-88FN-99-201	3.5	FT1
-	1	*WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required.* *CMOD Note Text - When selecting CMOD 2321, you must include the standard option -201 in the base catalog string. CMOD 2805 standard option -201 not required.*	-	FT1

		DOCUMENTATION - CENTRAL LOCATION	

	15	Acrylic - White letters on black	SC

Total Space Factors Used = 24

Delivery Program Type = ENG

Rockwell Automation

Centerline 2100 Motor Control Center

MCC Details

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	5306243-7 -Delta Township MCC-SE WBS Upgrade	Created By:	Mark Michalak
Project ID #:	5306243/8	Date/Time:	05/02/23 - 8:03

The details of the proposed motor control center are as follows:

Category	Description
Total Section(s)	4
Total Shipping Block(s)	2
Section Depth	Front Mounted, 20" Deep
Section Height	90" High
Enclosure	12 - Fully Gasketed with Bottom Plates
Designed For Use With	Power System Type: Wye, 3-phase, 4-wire with solidly grounded neutral
MCC Connection Type	Main Circuit Breaker
Incoming Cable Entry	Top, Section 1
Incoming Cable Entry	Top, Section 4
Main Bus Rating	800A
Main Bus Material	Copper / Tin Plated
Main Bus Bracing	65kA (rms symmetrical)
Horizontal Neutral Bus Rating	Same as Main Bus Rating
Horizontal Neutral Bus Location	Below Main Bus
Horizontal Neutral Bus Supplied	In Section(s): 1, 2, 3, 4
Neutral Connection Plate Location	Bottom
Neutral Connection Plate Supplied	In Section(s): 1, 2, 3, 4
Horizontal Ground Bus	1/4" X 1", Bottom, Unplated Copper
Vertical Ground Bus	Plug-in Zinc Plated Steel
Stab Opening Protection	Automatic Shutters
Master Nameplate	No

Rockwell Automation

Centerline 2100 Motor Control Center

Unit List

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	5306243-7 -Delta Township MCC-SE WBS Upgrade	Created By:	Mark Michalak
Project ID #:	5306243/8	Date/Time:	05/02/23 - 8:03

ID	QTY	Catalog Number / Unit Description
1	1	2193MT-FJC-54TMM-82C500-88FN-99-201 / Main Circuit Breaker - 800A Frame Rating - Top Mounted with 800A Trip
2	1	2190-CJB-54M-86W50DXB / Metering Unit - Bul 1426-M5 PM 5000 Standard
3	1	2193FT-EJC-52TMM-98 / Feeder Circuit Breaker - 800A Frame Rating with 600A Trip
4	1	2193FT-EJC-52TMM-98 / Feeder Circuit Breaker - 800A Frame Rating with 600A Trip
5	1	2193F-BJC-61THML-98 / Feeder Circuit Breaker - 125A Frame Rating with 25A Trip
6	1	2193F-BJC-36THML-98 / Feeder Circuit Breaker - 125A Frame Rating with 60A Trip
7	1	2193F-DJC-48TKM-98 / Feeder Circuit Breaker - 400A Frame Rating with 300A Trip
8	5	2100-BJ10 / Blank Unit Door - 1.0 Space Factor
9	1	2100-BJ05 / Blank Unit Door - 0.5 Space Factor
10	1	2193F-AJB-36TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 60A Trip
11	1	2193MT-FJC-54TMM-82C500-88FN-99-201 / Main Circuit Breaker - 800A Frame Rating - Top Mounted with 800A Trip

Rockwell Automation

Centerline 2100 Motor Control Center

Unit Description

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	5306243-7 -Delta Township MCC-SE WBS Upgrade	Created By:	Mark Michalak
Project ID #:	5306243/8	Date/Time:	05/02/23 - 8:03

General Information

Line Voltage / Frequency:	480 Volts / 60 Hertz
Power System Configuration:	Wye, 3-phase, 4-wire with solidly grounded neutral
Class I Wiring Type:	B-T Control and Power Terminal Blocks
NEMA Enclosure Type:	12 - Fully Gasketed with Bottom Plates
Available Fault Current:	50,001 to 65,000 A
Unit Nameplate Type:	Acrylic - White letters on black
Delivery Program:	ENG

Unit Information

Description	Unit Features
Unit Loc: 01A Del Prog: FT1 **Unit ID: 1** MCB - Main Circuit Breaker **Rating** 800A **Name Plate Information** MAIN INCOMING POWER	**Catalog Number: 2193MT-FJC-54TMM-82C500-88FN-99-201** Total Space Factor = 3.5 Circuit Breaker: Electronic (LSI), 65kA at 480V (800) with Frame Rating of 800A (M6H Frame), Top Mounted, 800A Trip Lugs Supplied: Crimp type,CU wire, 500 kcmil Size Wire, 3 Cables per Phase **Features Included** INC_NEUT_BUS Full-rated (-88FN) 1 NC Aux on Disc. Switch (-99) Provision For Key Interlock (-201) **Engineered Spec(s)/Modification(s)** (1) 140G Maintenance Mode - Switch Mode Selector Switch, Blue Indicator Light, & Control components for K & M Frame. (1) Engineered Modification and/or Custom Diagram (1) WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required.
Unit Loc: 01H Del Prog: ENG **Unit ID: 2** METR - Metering Unit **Wiring Diagram** 10004694159 **Name Plate Information** POWER MONITOR	**Catalog Number: 2190-CJB-54M-86W50DXB** Total Space Factor = 2.5 Metering Type: Bul 1426-M5 PM 5000 Standard Ammeter Scale 800 **Engineered Spec(s)/Modification(s)** (1) 1.0 Space Factor Adder (1) Engineered Modification and/or Custom Diagram (1) 85-264 VAC TO 24 VDC 1.3A POWER SUPPLY,1794-PS13 (1) Stratix 2000 Ethernet Switch (5 Port) (For use with PowerMonitor unit only),1783-US5T

Unit Loc: 02A **Del Prog: SCII** **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 600A **Wiring Diagram** 10004797915 **Name Plate Information** MCC-A **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193FT-EJC-52TMM-98** Total Space Factor = 2 Circuit Breaker: Electronic (LSI), 65kA at 480V (600) with Frame Rating of 800A (M6H Frame), Frame-Mounted (fixed) Unit, 600A Trip Lugs Supplied: Std Mech/Lug Pads, 350 kcmil Size Wire, 2 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02E **Del Prog: PEII** **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 25A **Wiring Diagram** 10006322131 **Name Plate Information** BPSPP **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-BJC-61THML-98** Total Space Factor = 1 Circuit Breaker: Electronic (LSI), 65kA at 480V (25) with Frame Rating of 125A (H6H Frame), Plug-In Unit, 25A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02G **Del Prog: SCII** **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 02J **Del Prog: SCII** **Unit ID: 7** FCB - Feeder Circuit Breaker **Rating** 300A **Wiring Diagram** 10004136693 **Name Plate Information** MCC-1 IN SEWAGE LIFT STATION **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-DJC-48TKM-98** Total Space Factor = 2 Circuit Breaker: Electronic (LSI), 65kA at 480V (300) with Frame Rating of 400A (K6H Frame), Plug-In Unit, 300A Trip Lugs Supplied: Std Mech/Lug Pads, 250 kcmil Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 03A **Del Prog: SCII** **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 600A **Wiring Diagram** 10004797915 **Name Plate Information** MCC-B **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193FT-EJC-52TMM-98** Total Space Factor = 2 Circuit Breaker: Electronic (LSI), 65kA at 480V (600) with Frame Rating of 800A (M6H Frame), Frame-Mounted (fixed) Unit, 600A Trip Lugs Supplied: Std Mech/Lug Pads, 350 kcmil Size Wire, 2 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03E **Del Prog: SCII** **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03G **Del Prog: PEII** **Unit ID: 6** FCB - Feeder Circuit Breaker **Rating** 60A **Name Plate Information** EXISTING LIGHTING TRANSFORMER/PANELBOARD LP-A **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-BJC-36THML-98** Total Space Factor = 1 Circuit Breaker: Electronic (LSI), 65kA at 480V (60) with Frame Rating of 125A (H6H Frame), Plug-In Unit, 60A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03J **Del Prog: SCII** **Unit ID: 10** FCB - Feeder Circuit Breaker **Rating** 60A **Wiring Diagram** 10004055802 **Name Plate Information** SURGE PROTECTION FEEDER **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-36TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (60) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 60A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03L **Del Prog: SCII** **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1

Unit Loc: 04A **Del Prog: FT1** **Unit ID: 11** MCB - Main Circuit Breaker **Rating** 800A **Name Plate Information** GENERATOR CONNECTION	**Catalog Number: 2193MT-FJC-54TMM-82C500-88FN-99-201** Total Space Factor = 3.5 Circuit Breaker: Electronic (LSI), 65kA at 480V (800) with Frame Rating of 800A (M6H Frame), Top Mounted, 800A Trip Lugs Supplied: Crimp type,CU wire, 500 kcmil Size Wire, 3 Cables per Phase **Features Included** INC_NEUT_BUS Full-rated (-88FN) 1 NC Aux on Disc. Switch (-99) Provision For Key Interlock (-201) **Engineered Spec(s)/Modification(s)** (1) Engineered Modification and/or Custom Diagram (1) WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required.
Unit Loc: 04H **Del Prog: SCII** **Unit ID: 9** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ05** Total Space Factor = 0.5
Unit Loc: 04J **Del Prog: SCII** **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 04L **Del Prog: SCII** **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1

Rockwell Automation

Centerline 2100 Motor Control Center

Unit Nameplate Report

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	5306243-7 -Delta Township MCC-SE WBS Upgrade	Created By:	Mark Michalak
Project ID #:	5306243/8	Date/Time:	05/02/23 - 8:03

Master Nameplate Type - No Master Nameplate Supplied

Unit Nameplate Type - Acrylic - White letters on black (4 lines)
(Maximum characters per line is 25 / 22 / 22 / 25)

Section 1

Location: 01A MCB **Space Factor: 3.5** **Wiring Diagram Number: N/A**
MAIN INCOMING POWER

Location: 01H METR **Space Factor: 2.5** **Wiring Diagram Number: 10004694159**
POWER MONITOR

Section 2

Location: 02A FCB **Space Factor: 2** **Wiring Diagram Number: 10004797915**
MCC-A

Location: 02G DOOR **Space Factor: 1** **Wiring Diagram Number: 10002177767**

Location: 02E FCB **Space Factor: 1** **Wiring Diagram Number: 10006322131**
BPSPP

Location: 02J FCB **Space Factor: 2** **Wiring Diagram Number: 10004136693**
MCC-1 IN SEWAGE
LIFT STATION

Section 3

Location: 03A FCB Space Factor: 2 Wiring Diagram Number: 10004797915
MCC-B

Location: 03J FCB Space Factor: 1 Wiring Diagram Number: 10004055802
SURGE PROTECTION FEEDER

Location: 03E DOOR Space Factor: 1 Wiring Diagram Number: 10002177767

Location: 03L DOOR Space Factor: 1 Wiring Diagram Number: 10002177767

Location: 03G FCB Space Factor: 1 Wiring Diagram Number: N/A
EXISTING LIGHTING
TRANSFORMER/PANELBOARD
LP-A

Section 4

Location: 04A MCB Space Factor: 3.5 Wiring Diagram Number: N/A
GENERATOR CONNECTION

Location: 04H DOOR Space Factor: 0.5 Wiring Diagram Number: 10002177625

Location: 04J DOOR Space Factor: 1 Wiring Diagram Number: 10002177767

Location: 04L DOOR Space Factor: 1 Wiring Diagram Number: 10002177767

Delta Township
Proposal for
Custom PowerFlex753 Drives

April 14, 2023 /// Quotation #: FT2304120854MY

Drives Manufactured By:

Rockwell Automation

Sold by Rockwell Automation's Authorized Distributor:

KENDALL ELECTRIC

A MEMBER OF THE KENDALL GROUP

PROPRIETARY NOTICE

The information contained on all pages of this proposal consists of technical, commercial, and/or financial information which is confidential and proprietary to the Seller (Rockwell Automation and Kendall Electric). This information is furnished in confidence to the Customer/Buyer (Tetra Tech and Delta Township) with the understanding that it may not be reproduced or used by Customer/Buyer, in whole or in part, for any purpose other than evaluation of this

COVID-19. Rockwell Automation is committed to health, safety, and doing all we can to maintain a high level of service for our customers. Together, we will navigate this tough situation with a focus on safety while supporting each other. We are committed to communicating with you about the impact that the ongoing COVID-19 pandemic or its related governmental restrictions may have on the deployment of our personnel and delivery of the project and truly appreciate your cooperation and understanding in advance.

The proposal is presented by Rockwell Automation to be resold by Kendall Electric to Delta Township.

ITEM	QTY	DESCRIPTION	PRICE
A	5	**PF753 75HP ND 480V N12** One NEMA 12 Freestanding Enclosure approximately 91"H X 39"W X 24"D, with the following features: • Qty. 1- PowerFlex 753 AC Drive, with Embedded I/O, Standard Protection, Forced Air, AC Input with DC Terminals, Open Type, 96 Amps, 75HP ND, 480 VAC, 3 PH, Frame 5, Filtered, CM Jumper Removed, DB Transistor • Qty. 1- Door Mounted Full Function HIM • Qty. 1- PF750-115V I/O Module-2AI,2AO,6DI,2RO • Qty. 1- PF750 Dual-port EtherNet/IP Module • Qty. 1- Input Circuit Breaker Disconnect w/ Lockable Flanged Handle (Input Thermal Magnetic breaker, 65KAIC, note does not necessarily reflect panel SCCR rating) • Qty. 1- Input Harmonic Passive Filter • Qty. 1- Output dV/dt Filter • Qty. 1- Control Power Transformer, Fused Primary/Secondary • Qty. 1- Door Mounted Start Push Button • Qty. 1- Door Mounted Stop Push Button (800H style, wired to drive input) • Qty. 1- Door Mounted Run Pilot Light (Green) • Qty. 1- Door Mounted Hand/Off/Auto Selector Switch • Qty. 1- Door Mounted Speed Pot • Qty. 1- Run Relay, 115V Control • Qty. 1- 3-Phase Monitor Relay • Qty. 1- Transient Voltage Surge Suppression • Enclosure Fan and Filter NOTES: *Approval drawing included. *All units purchased for this item to be engineered, built & shipped from qty. 1 common drawing set. Price does not include unique drawing sets. *Price valid for quoted quantity only. Any change to item quantity will require a revised proposal.	**$38,155.82**
B	1	**Exception and Clarification** • Document 16422 - VARIABLE FREQUENCY DRIVES of SECTION 16422 – VARIABLE FREQUENCY DRIVES: Rockwell Automation is taking full exception of that document.	

		Engineering Services Standard Rockwell Automation as shipped documentation, including: • Schematics (paper copy, supplied in cabinet (PDF format upon request)) • Panel Layout (paper copy, supplied in cabinet (PDF format upon request)) • Additional documentation options available. See table below for additional information.	**Included**
		TOTAL PRICE	**$190,779.10**
		This proposal is based upon the following: • Initial RFQ email Dated 4/12/2023 8:21:59 AM from Mark Michalak with the subject "Opportunity Tracker New Request assigned to "Configured Solutions Business":::: 400018146" • *Delta Township WBS.prp • Rockwell Automation did not evaluate any specification(s) not identified above as a basis for this proposal. Compliance to a specification, if one exists, is the responsibility of others.	

Rockwell Automation will build to the following default standards unless otherwise stated above:

Design Standards: Rockwell Standard (NEMA)
Input Voltage/Frequency: 460VAC, 60Hz
SCCR: 10KA minimum (unless stated otherwise above)
Ground Type: Solid Ground
Control Voltage: 120VAC, 60Hz
Power Components: IEC
Power Wire: MTW
Contactor/Starter Style: IEC
Maximum Ambient Temperature: 40 deg. Celsius/ 104 deg. Fahrenheit
Minimum Ambient Temperature (Without Space Heater): 0 deg. Celsius/ 32 deg. Fahrenheit
Enclosure Style: Rockwell Specified, No Top Hat, Lifting Angle (as needed)
Enclosure Cooling: Fan and Filter
Cable Entry/Exit:

- Input Power - Top Entry
- Motor Power – Bottom Exit
- Control Wire – Top Entry
- Signal Communications – Top Entry

DC Circuit: No Brake Resistor Supplied
Device Mounting: Standard Rockwell Practice
Panel Markers: Standard Rockwell Adhesive Backed Vinyl
Nameplates: Adhesive Backed Lamacoid White w/Black Letters
Control Wirings: Thermoplastic (MTW/TEW)
Wire Markers: Standard Rockwell Vinyl Cloth Wire Tags

Wire Numbers: Rockwell Specified
Wire Routing: Standard Rockwell Practice
Wire Fastening: White Panduit Channel and Adhesive Tie Wraps
Terminal Types: Bare wire to TB/Spade lug screws
Drawing Format: Standard Rockwell Practice
Build Specification NA 125-65102-TPL-BSpec-NAM-en (available upon request)
Document Deliverables: Paper in Cabinet
Order Type: New Installation
Hazardous Location: No (See Note A7)
Seismic Study: No
Motor FLA: NEC HP FLA Values
UL508A: (See Note A7)

Options:

1.1.1 Documentation

As Shipped Documentation Types	Pricing	Index	Wiring Diagrams	Layout Drawing	Dimensional Information Drawing	Data Nameplate Drawing	Equipment Nameplate Drawing	Cut-sheets for Hardware Used in Build	Manuals for Hardware Used in Build	Drive User's Manual	Drive Installation Instructions	Drive Technical Manual	Inspection and Test Report	Storage Instructions	Bill of Materials	Terminal Block Diagrams
Standard	N/C		P	P	P	P	P									
Upon Request	N/C		EP	EP	EP	EP	EP									
AutoCAD Drawings	**$292.00**		EA	EA	EA	EA	EA									
Data Package	**$292.00**							EP	EP	EP	EP	EP	EP	EP	EP	EP

Notes: EP – Electronic (.pdf Format)

EA- Electronic (AutoCAD Format)*

P – Paper, supplied in cabinet

Pricing is for one set of documentation per item. For multiple items please contact your CSB representative.
This table above is for standard documentation that is available from Configured Solutions Business and is for "As Shipped" documentation only. If there are additional documentation requirements please request the pricing from your CSB representative
*Transmittal of AutoCAD format drawings requires a signed confidentiality agreement.

1.2 Assumptions, Clarifications and Exceptions

The following assumptions, clarifications and exceptions have been made by Rockwell Automation in the development of this Statement of Work:

Reference	Assumptions
A1	This proposal provides equipment and services described in the scope here-in. Any items, services or specification not specifically addressed in this proposal are not included. Changes can be provided if required at additional costs.
A2	Rockwell Automation is acting as an equipment supplier only, not as a contractor or sub - contractor. The applicable specifications listed above are applicable only to the extent of the Rockwell Automation "EQUIPMENT SUPPLIER" scope of supply as described in this proposal.
A3	This proposal is based on Rockwell Automation understanding of the supplied bid materials and or other information provided regarding the required scope.
A4	Ambient Temperature: Unless otherwise stated, design based upon maximum 40 degree Celsius/104 degree Fahrenheit ambient-consult RA if other ambient temperature requirements exist.
A5	This proposal assumes Rockwell Automation Engineering and Manufacturing standards will be used.
A6	Rockwell Automation Standard Test procedure have been quoted
A7	UL Listing: If not itemized in above offering UL listing is not included. Design and manufacture to UL specifications can be quoted upon request.
A8	For approval orders, Rockwell provides schematics (elementary diagrams) and layout drawings in .pdf format. No additional approval documents are provided unless itemized in the above offering.
	Clarifications
C1	Dimensions quoted are for reference only. Final dimensions will be determined during the engineering design phase.
C2	Rockwell Automation standard PDF drawing package has been quoted. 11" x 17" PDF drawings include Notes, Panel Layouts, Electrical Schematics, and Elevation Drawings.
C3	If AutoCad drawings are required, Rockwell Automation will require end user signature for Copyright Permission.
C4	Circuit breaker interrupting capacity does not reflect SCCR rating of enclosure. Short Circuit rating is 10kA unless noted elsewhere in this proposal.
C5	External Wiring: Unless otherwise stated, all external wiring wired to devices. No interposing terminal blocks included.
C6	All documentation will be furnished in electronic format unless otherwise stated.
C7	Rigging and handling to receive, store, move and set the Rockwell Automation supplied equipment is the responsibility of the customer. The equipment is to be stored in a secure indoor and dry area.
C8	Installer is to comply with all local and national codes and restrictions as well as drawing notes and Rockwell Automation installation guides.
C9	All aspects of mechanical, electrical and process safety are requirements of the customer.
C10	Unless otherwise stated, touch-safe options not included but can be offered as an adder.
C11	Unless otherwise stated, enclosure cooling accomplished via side-mounted fan and filter. Customer responsible for providing adequate spacing on side of enclosure to accommodate air flow requirements.
	Exceptions
E1	Shipping, Sales tax, fees, freight or storage are not included.
E2	Bonds or bonding of any kind is not included.
E3	Any Liquidated Damages are not included.

E4	Unless specifically stated, no submittals other than standard Rockwell Automation documentation specified in the proposal are included.
E5	Installation material and installation work of any kind is not included.

Table 1: Assumption, Clarifications, and Exceptions

Rockwell Automation proposals from CSB- The Customer is solely responsible for determining if the Products requirements specified are acceptable for their intended use. Rockwell Automation disclaims all liabilities relative to Customer's specifications for the Product and its intended use. Any Product requirements or other deliverables beyond what was specified in the CSB proposal shall not be included as part of the Product deliverable and if acceptable by Rockwell Automation shall be subject to an equitable adjustment to price, scheduling and other affected terms and conditions.

Unless otherwise stated in this Statement of Work, the following is not included: Municipality Specification Review, Drive Selection, Project Spec Generation, O & M Manuals, Submittal Drawings, Custom Control Circuit, Testing, Harmonic Analysis and Training. Any of these deliverables, or other deliverables required outside of the Statement of Work could result in monetary change orders or order cancellation.

Termination for Customer Convenience

This section describes cancellation fees for the scope defined in this Statement of Work, according to stage in which the cancellation is requested. Refer to the termination provision of the Terms and Conditions of Sale referenced in Statement of Work.

This schedule applies to all items being considered for cancellation, unless otherwise indicated or confirmed by Rockwell Automation. The percentage is based on the total net order/item value at the time of cancellation.

Project Stage	Cancellation Fee	Description
(1) Order Entry	10%	Customer PO accepted by Rockwell Automation via order acknowledgement confirmation
(2) Engineering Drawing Generation	30%	Kick-off meeting with Customer Initial Submission of Drawings
(3) Release to Manufacturing	75%	Parts Procurement
(4) Complete and Ready for Shipping	100%	Completed Test and Inspection; Ready for Shipping

KENDALL ELECTRIC
A MEMBER OF THE KENDALL GROUP

Rockwell Automation

Commitment for System Sales through Distribution

In submitting any purchase order, you acknowledge and agree that Rockwell Automation will be excused from performance, or delay in performance, of its obligations under this purchase order, regardless of whether a contract is currently in place governing the parties' relationship, to the extent that Rockwell Automation is unable to perform such obligations due to the effects of the COVID-19 pandemic on Rockwell Automation and/or third parties, including, without limitation, logistics and materials suppliers.

General. This Commitment ("Commitment") covers purchase by Distributor's customer ("Customer") from Distributor of the hardware, and/or software (individually a "Product" and collectively "Products"), and/or services ("Services") and/or Products and Services described and integrated pursuant to this Statement of Work (collectively as integrated pursuant to the Statement of Work, the "Work") to be provided by Rockwell Automation, Inc. and/or its affiliates ("Rockwell Automation"). Its terms are integral to the Statement or Work. In other words, Customer purchases the Work subject to the terms contained in this Commitment (as well as other terms that may be included elsewhere in the Statement of Work). These terms apply directly to Customer and Rockwell Automation. Previously negotiated and signed terms and conditions with Customer that include provisions between Rockwell Automation and Customer that are intended to apply to the sale through distribution of Products, Services, and/or Work covered by this Commitment supersede these terms.

Warranty. (a) Warranty for the *Work*: Rockwell Automation warrants to Customer for the lesser period of 18 months from delivery or 12 months from startup, that the Work will perform as stated in the Statement of Work and the Products will be free of defects in material, fabrication, and workmanship provided that: (1) the operating conditions and use of the Work are in accordance with any standards set forth in the Statement of Work, Rockwell Automation's published specifications, and applicable recommendations of Rockwell Automation; and (2) the installation, adjustment, tuning, and start-up of the Work have been properly performed in accordance with Rockwell Automation's published specifications and any applicable recommendations of Rockwell Automation. Repaired or replacement Products provided pursuant to subparagraph (d) below are similarly warranted for the longer period of six months from date of shipment or the remainder of the original warranty term.

(b) *Products Warranty*: Rockwell Automation warrants to Customer for the period of 18 months from shipment, that the Products will be free of defects in material, fabrication, and workmanship provided that: (1) the operating conditions and use of the Product are in accordance with any standards set forth in the Statement of Work, Rockwell Automation's published specifications, and applicable recommendations of Rockwell Automation; and (2) the installation, adjustment, tuning, and start-up of the Product have been properly performed in accordance with Rockwell Automation's published specifications and any applicable recommendations of Rockwell Automation. Repaired or replacement Products provided pursuant to subparagraph (d) below are similarly warranted for the longer period of six months from date of shipment or the remainder of the original warranty term.

(c) *Services Warranty*: Rockwell Automation warrants to Customer for a period of 30 days from the date services are provided that service shall be performed in a workmanlike manner conforming to standard industry practice.

(d) *Remedies*: Remedies under this warranty will be limited to, at Rockwell Automation's discretion, replacement, repair, re-performance, modification, or issuance of a credit for the purchase price of the Products and/or Services involved, but only after Rockwell Automation's receipt of Customer's written notification of non-conforming Products, Services or Work and the return of such products pursuant to Rockwell Automation's instructions. Replacement Products, at Rockwell Automation's discretion, may be new, remanufactured, refurbished, or

reconditioned. If the repair, re-performance, or replacement does not cure the defective performance, Customer may request emergency on-site service, which will be at Rockwell Automation's expense (consisting of time, travel, and expenses incurred by Rockwell Automation related to such services). If the defective performance is not due to warranted defects in the Products, Services or Work, the on-site service will be at Customer's expense. On-site warranty services performed at Rockwell Automation expense shall not include removal or reinstallation costs related to large-scale assemblies such as motors or transformers. The foregoing will be the exclusive remedies for any breach of warranty or breach of contract arising from warranted defects.

(e) *General*: Warranty satisfaction is available only if (a) Rockwell Automation is provided prompt written notice of the warranty claim, and (b) Rockwell Automation's examination discloses that any alleged defect has not been caused by misuse, neglect, improper installation, operation, maintenance, repair, alteration, or modification by other than Rockwell Automation, accident, or unusual deterioration or degradation of the Products or parts thereof due to physical environment or electrical or electromagnetic noise environment.

(f) THE ABOVE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, WHETHER EXPRESSED, IMPLIED OR STATUTORY, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, INFRINGEMENT, OR FITNESS FOR A PARTICULAR USE.

Disclaimer and Limitation of Liability. NEITHER ROCKWELL AUTOMATION NOR CUSTOMER WILL BE LIABLE TO THE OTHER FOR BUSINESS INTERRUPTION OR LOSS OF PROFIT, REVENUE, MATERIALS, DATA, OR THE LIKE (WHETHER DIRECT OR INDIRECT) OR FOR ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES. EACH PARTY'S MAXIMUM CUMULATIVE LIABILITY TO EACH OTHER FOR ALL OTHER CLAIMS AND LIABILITIES WILL NOT EXCEED THE LESSER OF $1,000,000 OR THE COST OF THE WORK. ROCKWELL AUTOMATION DISCLAIMS ALL LIABILITY FOR TO GRATUITOUS ASSISTANCE PROVIDED BY ROCKWELL AUTOMATION BUT NOT REQUIRED BY THE STATEMENT OF WORK. THESE DISCLAIMERS AND LIMITATIONS OF LIABILITY WILL APPLY REGARDLESS THE FORM OF ACTION, WHETHER CONTRACT, TORT, OR OTHERWISE, AND EXTEND TO THE BENEFIT OF ROCKWELL AUTOMATION'S VENDORS AND APPOINTED DISTRIBUTOR.

Software Licenses and Ownership. (a) *Standard Software*. Software comprised of firmware or standard software (including, but not limited to packaged software, Rockwell Automation's preexisting templates, models and library files, and commercially available software) (collectively "Standard Software") is subject to Customer's acceptance of additional terms and conditions set forth in separate Rockwell Automation or third-party click-wrap license agreements provided with such Standard Software. Such terms and conditions shall be the exclusive terms and conditions applicable to such Standard Software, excluding Customer's obligation to pay any license fee which shall be identified in the Statement of Work.

(b) *Documentation and Application Software*. Rockwell Automation hereby grants to Customer a non-exclusive, non-transferable license to modify and use solely in conjunction with the Work all documentation and any Application Software created by Rockwell Automation as specified in the Statement of Work. Application Software includes application project files for control programming, design, configuration, and visualization in source code and/or scripting code created by Rockwell Automation under the Agreement for operational use with Rockwell Automation's Standard Software or the Customer's system as specified in the Statement of Work. Customer is solely responsible for its modifications to documentation and Application Software. Except for any Customer or third-party confidential information, Rockwell Automation retains all right, title, and interest to documentation and Application Software developed by Rockwell Automation. Customer shall not sublicense or assign the

documentation or the Application Software except to a customer who purchases the Work from Customer. Customer may make an additional archival copy of such documentation and Application Software for backup.

(c) In the absence of a separate Rockwell Automation license agreement for software provided by Rockwell Automation under a Statement of Work, Rockwell Automation hereby grants Customer a non-exclusive, non-transferable license to use such software solely in conjunction with the Work for the project identified in the Statement of Work without the right to sublicense, disclose, disassemble, decompile, reverse engineer, or otherwise modify the software (except for modifications of Application Software as set forth above). Ownership of the respective Rockwell Automation or third-party software shall remain with Rockwell Automation or the third party.

(d) *Ownership of Pre-existing Intellectual Property.* Each party shall own all right, title, and interest in all patents, trademarks, copyrights, confidential information, trade secrets, mask rights, and other intellectual property rights as it owned on the date of this Agreement.

(e) *No Other Licenses*. Except as expressly set forth in this Agreement, no license under any patents, trademarks, copyrights, confidential information, trade secrets, mask rights, or other intellectual property rights is granted or implied by either party.

Government Clauses and Contracts. No government contract clauses, specification, or regulations apply to the Work, Products, or otherwise to this Statement of Work except to the extent agreed in writing by Rockwell Automation.

Confidentiality. (a) During the term of this Commitment and for a period of three years thereafter, each party will maintain in strict confidence all technical and business data and information disclosed by one party to the other that is marked "Confidential" and will not use or reveal such information without the prior written authorization of the other.

(b) The obligations of confidentiality and non-use will not apply to information (i) that is published or becomes part of the public domain other than by means of a breach of this Commitment; (ii) that a party can prove by written documentation was known to it prior to disclosure by the other party; (iii) that a party subsequently rightfully receives from a third party without an obligation of confidentiality; (iv) that a party discloses to a third party on a non-confidential basis; or (v) that was independently developed by the receiving party.

(c) Each party will take reasonable precautions to instruct its employees and consultants of its obligation under this section. Additionally, each party shall protect the exchanged information of the other against unauthorized use or disclosure with the same degree of care as it accords its own proprietary information of a similar type, but not less than reasonable care.

(d) Disclosure of confidential information will not be precluded if it is: (i) in response to a valid order of a court or governmental body of the United States or any political subdivision thereof; provided, however, that the disclosing party will first have made a reasonable effort to obtain a protective order requiring that the confidential information be used only for the purpose for which the order was issued; or (ii) otherwise required by law.

Delivery. Ex Works Rockwell Automation's plant or warehouse (per current Incoterms) or as otherwise specified in the Statement of Work (Delivery). In all cases, title transfers to Customer upon the earlier of Rockwell Automation's delivery to Customer or receipt by the first carrier for transport to Customer, except that title to all intellectual property rights associated with the Work remains with Rockwell Automation or its suppliers and licensors.

Acceptance. (a) Acceptance of the Work occurs either (i) on the date the Work conforms to acceptance criteria in the Statement of Work or is otherwise beneficially used by Customer, but in no event later than 60 days from start-up or 120 days following Delivery whichever occurs first; or (ii) if no acceptance criteria is specified in the Statement of Work then acceptance occurs upon Delivery.

(b) *Interim Approvals*. Any Rockwell Automation provided interim Work deliverable requiring Customer approval pursuant to the Statement of Work will be deemed accepted if formal Customer approval, written or as otherwise required, is not received by Rockwell Automation within two calendar weeks after the date submitted.

Changes. Any change resulting from any of the following circumstances is subject to equitable adjustments to price, scheduling, and other affected terms and conditions: (a) Customer requested changes, including those affecting the identity, scope, and delivery of the Products, Services or Work; (b) concealed or otherwise unknown physical conditions differing materially from those indicated or anticipated in the Statement of Work or that otherwise differ materially from those ordinarily found under similar circumstances; (c) delays caused by Customer, its employees, affiliates, other contractors to Customer, or any other party within Customer's reasonable control; and (d) any emergency endangering persons or property; in such emergency circumstances, Rockwell Automation may act at its discretion to prevent damage, injury, or loss.

All changes, except actions necessitated by emergencies as provided in (d) above, must be executed by a written change order signed or otherwise definitively authorized by both parties, and Rockwell Automation will not begin work on a change until it is authorized. All claims must be made within a reasonable time after the occurrence giving rise to the claim.

Temporary Suspension of Work by Customer. Except as set forth in the applicable Statement of Work, Customer may, by providing prior written notice, request that Rockwell Automation temporarily suspend performance and delivery of the Work, in whole or in part. The notice shall specify the portion of the Work to be suspended, the effective date of suspension, Customer's anticipated duration of suspension, and the reasons for the suspension. Rockwell Automation shall suspend performance as requested, except as necessary for the care or preservation of Work previously executed. On or before the date the suspension begins, Customer must pay Rockwell Automation the unpaid balance of the portion of the Work previously executed plus any additional costs incurred by Rockwell Automation as a result of the suspension. Rockwell Automation shall resume the suspended Work after a change order is executed covering adjustments to the contract price, schedule, and any other affected terms or conditions resulting from the suspension. Unless otherwise agreed, the maximum cumulative period for suspension is 60 days. Upon expiration of this or any shorter period agreed upon as provided above, Rockwell Automation may terminate this Agreement, and Customer shall pay all costs of cancellation (including third-party commitments, reasonable profit, and overhead) upon submission of Rockwell Automation's invoices.

Safety and Standards. Rockwell Automation is responsible for compliance of the Work with laws, regulations, and standards, including safety regulations and standards, of the country where the Work will be located that are applicable to the Work at the effective date of this Agreement. Customer must inform Rockwell Automation of any other laws, regulations, or standards that may apply to the Work. Rockwell Automation will be responsible for compliance with such other safety or other standards only if documented in the Statement of Work. Rockwell Automation is not responsible for laws, regulations, or standards that apply to Customer's (or end user's, if different from Customer) facility, equipment, process, information system, or data.

Site Rules, Licenses, Permits, Site Preparation. (a) Rockwell Automation agrees to comply with all applicable posted site rules of Customer (unless inconsistent with the obligations set forth in the Statement of Work) and any additional Customer's site rules that have been incorporated into the Statement of Work.

(b) Customer is responsible for: (1) all licenses, permits, clearances, and site access rights; (2) all sites being ready and equipped with all necessary Customer furnished equipment and facilities; (3) any required customer fixtures or facilities being safe, hazard free, structurally sound, and sufficient; (4) reasonable access to the

worksite, (5) properly using, calibrating operating, monitoring and maintaining the Work consistent with all Rockwell Automation or third-party provided instructions, warnings, recommendations and documentation; (6) all other factors affecting the Work that are outside of the direct control of Rockwell Automation; and indemnifying Rockwell Automation for any claims to the percentage extent directly caused by Customer's breach of the obligations listed in this section (b).

Customer Specification. (a) Unless otherwise specified in the Statement of Work, Rockwell Automation does not warrant or indemnify and will not otherwise be liable for (i) design, materials, or construction criteria furnished or specified by Customer and incorporated into the Work or Products, (ii) products supplied by, made by or sourced from Customer or other manufacturers or vendors specified by Customer; or (iii) commercially available computer software, hardware, and electrical components. (Such Customer-specified products shall include but not be limited to any identified in the Statement of Work.) Any warranty or indemnity applicable to such Customer supplied/specified products will be limited solely to the warranty or indemnity, if any, extended by the original manufacturer or vendor other than Rockwell Automation to the extent permissible thereunder.

(b) *RoHS*: Customer supplied/specified products will meet all applicable material restrictions as defined in RoHS. If it does not, Customer will notify Rockwell Automation prior to shipment of the Customer supplied/specified products to Rockwell Automation. Customer will indemnify Rockwell Automation against any claim arising out of Rockwell Automation's use of Customer supplied/specified products.

Customer Information. (a) Customer represents and warrants that it has the rights to the information provided or made available by Customer to Rockwell Automation, including but not limited to technical specifications, drawings, source code, application code, communication interfaces, protocols, and all other documentation (collectively "Customer Information"), for Rockwell Automation to perform its obligations under this Agreement and that such access to and use of Customer Information under this Agreement will not infringe or violate any agreement, confidentiality obligations, copyrights, or other intellectual property rights of the original vendor or any other third party. Customer agrees to indemnify Rockwell Automation from any claims arising out of Rockwell Automation's use of Customer Information pursuant to the Statement of Work.

(b) In Rockwell Automation's performance of services, sales activities, or in connection with Customer's use of Rockwell Automation Products, Rockwell Automation may obtain, receive, or collect data or information, including Customer's contract information, computer system profile, Rockwell Automation Product installation data, and Customer's usage specific data of Rockwell Automation Products (collectively, the "Data"). In such cases, Customer grants Rockwell Automation a non-exclusive, worldwide, royalty-free, perpetual, non-revocable license to use, compile, distribute, display, store, process, reproduce, or create derivative works of the Data solely to facilitate the performance of sales and services by Rockwell Automation and its affiliates (including, but not limited to, quality, safety, energy, and security analytics, product and service diagnostics and prognostics, and reporting), and to facilitate or improve Customer's use of the Products. In addition, Customer grants Rockwell Automation and its affiliates a license to use and aggregate the Data in support of Rockwell Automation's marketing and sales activities. Rockwell Automation and its affiliates may also use this information in the aggregate, in a form which does not personally identify Customer, to improve Products and Rockwell Automation may share anonymous aggregate data with our third party suppliers and service providers.

Independent Terms. Rockwell Automation is not a party to or bound by any contract between Customer and Distributor, including by Distributor's acceptance of a Customer purchase order. Distributor is an independent enterprise, not an agent or representative of Rockwell Automation, and is not authorized to bind Rockwell Automation.

Effective Date. This Commitment will become effective when Customer purchases the Work from Distributor. Customer agrees that by purchasing the Work it accepts the Statement of Work and Commitment. Absent such purchase, this Commitment will become null and void. No addition or modification to the Commitment and Statement of Work, including terms appearing in Customer's purchase order or requisition, will bind Rockwell Automation unless mutually agreed to in writing.

Delivery: 33 Weeks AAO (After Acceptance of Order). *
*This delivery estimate is based on current component availability. Actual delivery will be determined upon acceptance of order based on component availability and final design.

Order Instructions

Please submit a supporting Purchase Order to:

Kendall Electric
Attn: Joanne Cebelak
7633 Lanac Street
Lansing, MI 48917
Joanne.cebelak@kendallelectric.com

Invoicing: Progress payments will be required per the following schedule:

20% at time of order
40% at release to manufacturing
40% at shipment

Terms and Conditions of Sale

This quotation is an offer to sell you the goods or services described herein on the terms set forth above and, unless otherwise agreed in a signed writing, on our standard Terms and Conditions of Sale which are available at www.kendallelectric.com/tandc.asp or by calling 800-632-5422. Your order of any goods or services identified in this quotation constitutes your acceptance of our standard Terms and Conditions of Sale. We object to any different or additional terms and reject any prior offers we received from you. Prices expire on, and are subject to change after, May 1, 2023.

Project Name: Ultium 3 Water Booster Station
General Order No:
Negotiation No: K03Z0414X3K1
Alternate No: 0000

Delta Township Ultium 3 Water Booster Station Quotation

*****Customer is responsible for verifying all material and quantities are correct prior to ordering.*****

*****Quoting Eaton SPD units as an option to the Thor units shown on the plans.
Thor units are quoted on Kendall Electric's "Loose Electrical" Quote *****

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
002l	1	Panelboards	42 Circuits, 225A, Fully Rated, 208Y/120V 3Ph 4W, Copper Bus, 10kAIC, 150A, 3P PDD23F0150 Main Breaker[Top Fed], Surface Mounted	**$2,101.55**	**$2,101.55**

Catalog No P21A225BT42CH12
Designation LP-A1

Qty	List of Materials
1	150A, 3P PDD23F0150 Main Breaker
1	30A, 1P QB-GF Branch Breaker, GFCI - 5mA
21	20A, 1P BAB Branch Breaker
3	30A, 1P BAB Branch Breaker
4	40A, 3P BAB-H Branch Breaker
3	20A, 1P QB-GF Branch Breaker, GFCI - 5mA
1	30A, 2P BAB Branch Breaker
1	Copper Main Bus, 225 Amps
1	Std. Bolted Cu Ground Bar (Cu Cable Only)
1	Panel Nameplate - White with Black Letters
1	Circuit Directory - Metal Frame with Plastic Cover
1	Type 12 Enclosure: LWPQ2048

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
003	1	SPD	SPD	**$1,760.04**	**$1,760.04**

Catalog No SPC160480D3P
Designation MAIN BREAKER

Catalog No	Qty	List of Materials
SPC160480D3P	1	SPC160kA 480V 3P NEMA 4X Alm

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Mick Heiler

7633 Lanac St
Lansing , MI 48917-9517

04/19/2023 1:13 PM

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
004	3	SPD	SPD	**$7,677.59**	**$23,032.77**

Catalog No SPD300480D3Q

Catalog No	Qty	List of Materials
SPD300480D3Q	1	Eaton SPD series300kA480V 3PHSTD+CntrNEM

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
005	1	Dry Type Transformers	Transformer Type: General Purpose Vented 3 Phase, 45 KVA, 1 K-Factor 480 Primary Volts 208Y/120 Secondary Volts Temperature Rise 150C with 220C Insulation System Copper Winding Material Sound Reduction : 0 NEMA ST-20 Audible Sound Level: 45 Efficiency : DOE 10 CFR Part 431 (2016) UL Listed : Y Enclosure Type: NEMA 2 (for N3R, select Weather Shield in Mods tab) Operating Frequency: 60 HZ	**$5,690.96**	**$5,690.96**

Catalog No V48M28T4516CU
Designation T-LPA1

Qty	List of Materials
1	3 Phase, 45 KVA, 480 Primary Volts, 208Y/120 Secondary Volts, 150C with 220C Insulation System Temperature Rise, Copper Winding Material, 60 HZ
1	TRANSFORMER WALL MOUNT BRACKETS FRAMES 939, 940
1	Transformer Lug Kit/1PH 15-37.5KVA or 3PH 15-45KVA

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
008	1	Enclosed Controls	ECN2414EKC-R63/CA29P23P25P68S3P68, NEMA - Freedom, NEMA 4X - Stainless Steel (304 Grade), 1 HP, 208V, Size 1, 120V/60 110V/50 Coil, Circuit Breaker - 7 amp, Drawing Number: 84-28782, LIST OF MATERIAL:, ECN2414EKC - FVNR Combo Starter, HMCPE or Mag. Trip, STD-SSOL OLR, w/CPT	**$3,187.19**	**$3,187.19**

Catalog No ECN2414EKC-R63/CA29P23P25
Designation EF-1

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7633 Lanac St
Lansing , MI 48917-9517

04/19/2023 1:13 PM

Catalog No	Qty	List of Materials
R63/C	1	R63/C-Solid State Overload, FLA 4-20
C1	1	C1 - Standard Size CPT, 120V/60HZ,110V 50HZ secondary w/2 primary & 1 secondary fuse
A29	1	A29-1NO/1NC extra AUX CONT (Unwired without diagram)
P23	1	P23-PL - red RUN
P25	1	P25-PL - green OFF
P68	2	P68-Led Bulbs in place of standard bulbs
S3	1	S3-HAND-OFF-AUTO Selector Switch

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
009	1	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$2,876.43**	**$2,876.43**

Catalog No W23S200DTJ
Designation MILLET TANK

Catalog No	Qty	List of Materials
PDG2X3TA225	1	Standard Terminals
PDG23G0200TFFJ	1	PDG2 Circuit Breaker

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
010	1	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$9,067.65**	**$9,067.65**

Catalog No D43S800D5J
Designation MAIN BREAKER

Catalog No	Qty	List of Materials
PDG43G0800FNNN	1	PDG4 Frame
PDG4XPXR30800E3R	1	PXR20 LSIG Programmable Relay
PDG4X3TA800	1	Standard Terminals
GRAY	1	ANSI-61 (Gray) Standard Paint

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
011	3	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$803.00**	**$2,409.00**

Catalog No D13S030DTJ
Designation VALVE ACTUATOR #1, #2, #3

Catalog No	Qty	List of Materials
PDG1X3T125	1	Standard Terminals
PDG13G0030TFFJ	1	PDG1 Circuit Breaker
GRAY	1	ANSI-61 (Gray) Standard Paint

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7633 Lanac St
Lansing , MI 48917-9517

04/19/2023 1:13 PM

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
012	5	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$2,217.61**	**$11,088.05**

Catalog No D23S150DTJ
Designation BOOSTER PUMP #1, #2, #3, #4, #5

Catalog No	Qty	List of Materials
PDG2X3TA225	1	Standard Terminals
PDG23G0150TFFJ	1	PDG2 Circuit Breaker
GRAY	1	ANSI-61 (Gray) Standard Paint

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
013	3	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$1,299.48**	**$3,898.44**

Catalog No W13S030DTJ
Designation UH-1, UH-2, UH-3

Catalog No	Qty	List of Materials
PDG1X3T125	1	Standard Terminals
PDG13G0030TFFJ	1	PDG1 Circuit Breaker

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
014	1	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$1,299.48**	**$1,299.48**

Catalog No W13S040DTJ
Designation AIR COMPRESSOR

Catalog No	Qty	List of Materials
PDG1X3T125	1	Standard Terminals
PDG13G0040TFFJ	1	PDG1 Circuit Breaker

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
015	1	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$1,299.48**	**$1,299.48**

Catalog No W13S060DTJ
Designation FCU-1

Catalog No	Qty	List of Materials
PDG1X3T125	1	Standard Terminals
PDG13G0060TFFJ	1	PDG1 Circuit Breaker

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Mick Heiler

7633 Lanac St
Lansing , MI 48917-9517

Project Name: Ultium 3 Water Booster Station
General Order No:
Negotiation No: K03Z0414X3K1
Alternate No: 0000

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
016	1	Enclosed Circuit Breaker	Enclosed Circuit Breakers	**$803.00**	**$803.00**

Catalog No D13S060DTJ
Designation FCU-2

Catalog No	Qty	List of Materials
PDG1X3T125	1	Standard Terminals
PDG13G0060TFFJ	1	PDG1 Circuit Breaker
GRAY	1	ANSI-61 (Gray) Standard Paint

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
001	1	Transfer Switches	Molded Case Breaker/Switch, 240/120 Vac, 60hz, 1 Phase, 3 Wire, 2 Poles	**$3,790.57**	**$3,790.57**

Catalog No MTVXKDA20225WDU
Designation MILLET TANK

Qty	List of Materials
1	MTVXKD 2 Poles 225 Amps - UL1008
1	Enclosure - Type-4X (304 Stainless Steel)
1	15g/h. Source Position Indication (3 Form C Micro Switch Outputs)
1	22. Ground Bar
1	42. IBC/CBC Seismic Qualified

Eaton Selling Policy 25-000 applies.

All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.

Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.

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Mick Heiler

7633 Lanac St
Lansing , MI 48917-9517

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KENDALL ELECTRIC

A MEMBER OF THE KENDALL GROUP

KENDALL ELECTRIC
7633 LANAC ST
LANSING MI 48917-9517
517-322-2411 Fax 517-322-0743

Quotation S112903756

Order Date: 04/18/23	
Terms: Net Due 30 Days	
Customer PO#	Release #
Ordered By: GENE	
Phone: 517-323-8500	

Sold To: 1309
DELTA (TOWNSHIP OF)
7710 W SAGINAW HWY
LANSING, MI 48917-9712

Ship To: 30938
DELTA (TOWNSHIP OF) UTILITIES
7000 WILLOW HWY
LANSING, MI 48917-9728

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EKDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	ALEC MARTENS, 1712-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
	3ea	4727685	140G-30A-N4-65KA-BREAKER-MIC AB ROTARY MOUNTED CIRCUIT BREAKER Rotary Mounted Circuit Breaker, Black Handle, H frame, 65 kA Interrupt Rating, Electronic - LSI, 3 Poles, Rated Current 60 A (80% Rated), NEMA 4 Enclosure, 1 Set of 14-1/0MCM Lugs, Approximate Dimensions are 12H x 12W x 6D - **EST. 15 WEEK LEAD TIME ARO**	04/18/23	2522.576/ea	7,567.73
	1ea	4727787	140G-25A-N4-65KA-BREAKER-MIC AB ROTARY MOUNTED CIRCUIT BREAKER Rotary Mounted Circuit Breaker, Black Handle, H frame, 65 kA Interrupt Rating, Electronic - LSI, 3 Poles, Rated Current 25 A (80% Rated), NEMA 4 Enclosure, 1 Set of 14-1/0MCM Lugs, Approximate Dimensions are 12H x 12W x 6D - **EST. 15 WEEK LEAD TIME ARO**	04/18/23	2522.576/ea	2,522.58
	7ea	4727685	140G-30A-N4-65KA-BREAKER-MIC AB ROTARY MOUNTED CIRCUIT BREAKER Rotary Mounted Circuit Breaker, Black Handle, H frame, 65 kA Interrupt Rating, Electronic - LSI, 3 Poles, Rated Current 60 A	04/18/23	2522.576/ea	17,658.03

Thank You - We Appreciate Your Business

KENDALL ELECTRIC
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KENDALL ELECTRIC
7633 LANAC ST
LANSING MI 48917-9517
517-322-2411 Fax 517-322-0743

Quotation S112903756

Order Date: 04/18/23
Terms: Net Due 30 Days

Customer PO#	Release #

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Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EKDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	ALEC MARTENS, 1712-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
			(80% Rated), NEMA 4 Enclosure, 1 Set of 14-1/0MCM Lugs, Approximate Dimensions are 12H x 12W x 6D - **EST. 15 WEEK LEAD TIME ARO**			
	4ea	4727685	140G-30A-N4-65KA-BREAKER-MIC AB ROTARY MOUNTED CIRCUIT BREAKER Rotary Mounted Circuit Breaker, Black Handle, H frame, 65 kA Interrupt Rating, Electronic - LSI, 3 Poles, Rated Current 60 A (80% Rated), NEMA 4 Enclosure, 1 Set of 14-1/0MCM Lugs, Approximate Dimensions are 12H x 12W x 6D - **EST. 15 WEEK LEAD TIME ARO**	04/18/23	2522.576/ea	10,090.30
	1ea	4727787	140G-25A-N4-65KA-BREAKER-MIC AB ROTARY MOUNTED CIRCUIT BREAKER Rotary Mounted Circuit Breaker, Black Handle, H frame, 65 kA Interrupt Rating, Electronic - LSI, 3 Poles, Rated Current 25 A (80% Rated), NEMA 4 Enclosure, 1 Set of 14-1/0MCM Lugs, Approximate Dimensions are 12H x 12W x 6D - **EST. 15 WEEK LEAD TIME ARO**	04/18/23	2522.576/ea	2,522.58

Thank You - We Appreciate Your Business

KENDALL ELECTRIC
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Quotation S112903756

Order Date: 04/18/23	
Terms: Net Due 30 Days	
Customer PO#	Release #
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Phone: 517-323-8500	

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LANSING, MI 48917-9728

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EKDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	ALEC MARTENS, 1712-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
	1ea	4727689	513-BFB-E100-1-3S-5R-6P-35-415-416A -425-CB-NP-TB18-MIC AB COMBINATION STARTER E100 Overload Relay, 1-5A. START-STOP Push Button. H-O-R Selector Switch. Red PTT Pilot Light for RUNNING. 80VA Transformer, w/ 2 Prim /1 Sec Fuse. 2 Pole Control Relay (CR19). 4 Pole Control Relay (A19). Elapsed Time Meter. 20A 1 pole Circuit Breaker. Unit Nameplate Exhaust Fan No. 1. 18 Control Terminal Blocks. Multiple Power Source Label. Approximate Dimensions are 27H x 10W x 8D. - **EST. 35 WEEK LEAD TIME ARO	04/18/23	4653.341/ea	4,653.34
	3ea	4727690	500L-BJB-3S-5R-900000-CB-NP-TB18-MI C AB 500L NEMA ENCLOSED LIGHTING CONTACTOR On-Off-Remote Selector Switch. Red PTT Pilot Light for RUNNING. 5 N.O. Aux Contacts on Contactor. 20A 1 pole Circuit Breaker. Unit Nameplate Ventilation Contactor NO.1.	04/18/23	2969.812/ea	8,909.44

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7633 LANAC ST
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517-322-2411 Fax 517-322-0743

Quotation S112903756

Order Date: 04/18/23	
Terms: Net Due 30 Days	
Customer PO#	Release #
Ordered By: GENE	
Phone: 517-323-8500	

Sold To: 1309
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LANSING, MI 48917-9712

Ship To: 30938
DELTA (TOWNSHIP OF) UTILITIES
7000 WILLOW HWY
LANSING, MI 48917-9728

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EKDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	ALEC MARTENS, 1712-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
			18 Control Terminal Blocks. Approximate Dimensions are 27H x 10W x 8D. - **EST. 35 WEEK LEAD TIME ARO**			
	1ea	4727694	598-TANK-VALVE-ENCLOSURE-MIC AB ENCLOSURE On-Off-Remote Selector Switch. 20A 1 pole Circuit Breaker. Unit Nameplate Hydropneumatic Tank Valve Enclosure. 12 Control Terminal Blocks. Approximate Dimensions are 12H x 10W x 6D. - **EST. 15 WEEK LEAD TIME ARO**	04/18/23	1525.718/ea	1,525.72
	1ea	8056	800T-A1D1 AB PUSH BUTTON GREEN INO	04/18/23	53.529/e	53.53
	1ea	8133	800T-B6D2 AB PUSH BUTTON RED EXT HEAD	04/18/23	53.529/e	53.53
	1ea	4314917	140MP-A3E-C20 AB MOTOR PROTECTION CIRCUIT BREAKER	04/18/23	232.424/e	232.42
	2ea	4172140	140MP-A3E-B16 AB MOTOR PROTECTION CIRCUIT BREAKER **1-2 WEEK LEAD TIME ARO**	04/18/23	185.082/e	370.16

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Printed: 13:37:13 19 APR 2023

KENDALL ELECTRIC

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Quotation S112903756

Order Date:	04/18/23
Terms:	Net Due 30 Days
Customer PO#	Release #
Ordered By:	GENE
Phone:	517-323-8500

KENDALL ELECTRIC
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LANSING MI 48917-9517
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LANSING, MI 48917-9728

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EKDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	ALEC MARTENS, 1712-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
	2ea	4101718	140MP-A3E-C10 AB MOTOR PROTECTION CIRCUIT BREAKER	04/18/23	204.012/e	408.02
	2ea	4153657	140MP-A3E-B63 AB MOTOR PROTECTION CIRCUIT BREAKER	04/18/23	192.824/e	385.65
	1ea	4727716	TSRI300FS-3D4-P101-BF TSRI SERIES SURGE PROTECTION DEVICE - **EST. 12 WEEK LEAD TIME ARO** **PLUS SHIPPING** - STOCK UNLESS NOTED WITH LEAD TIME -- CUSTOMER IS RESPONSIBLE FOR VERIFYING ALL MATERIAL AND QUANTITIES ARE CORRECT PRIOR TO ORDERING *** TAXES NOT INCLUDED ***	04/18/23	8602.941/ea	8,602.94

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Subtotal	65555.97
S&H CHGS	TBD
Sales Tax	TBD
Amount Due	65555.97

Thank You - We Appreciate Your Business

Printed: 13:37:13 19 APR 2023

Hopkins, Melissa

From: Nicole Kowalski <nicole.kowalski@se.com>
Sent: Monday, April 24, 2023 10:29 AM
To: Hopkins, Melissa
Cc: Dave Slivinski; Jones, Gene
Subject: RE: Delta Township WBS

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Melissa,

Please see breakouts below:

MCCs
- MCC/SWBD option - $132,252
- All MCCs - $147,331

Loose - $48,471
Panel/XFMR - $8,021
Drives - $119,371

Pricing is all C/N (customer net)

Thanks,
Nicole

Internal

From: Hopkins, Melissa <melissa.hopkins@tetratech.com>
Sent: Friday, April 21, 2023 3:22 PM
To: Nicole Kowalski <nicole.kowalski@se.com>
Cc: Dave Slivinski <dave.slivinski@se.com>; Jones, Gene <Gene.Jones@tetratech.com>
Subject: RE: Delta Township WBS

[External email: Use caution with links and attachments]

Nicole & Dave,

Please provide separate costs for MCC's, VFDs, and the loose electrical by 3 pm on Monday.

Thanks,
Melissa

From: Hopkins, Melissa
Sent: Friday, April 21, 2023 3:40 PM

To: Nicole Kowalski <nicole.kowalski@se.com>
Cc: Dave Slivinski <dave.slivinski@se.com>
Subject: RE: Delta Township WBS

Nicole,

Do your numbers below include the loose electrical items? Is there any way you can provide me a number for just the MCC's, just the drives, and just the loose electrical?

Thanks,
Melissa

Melissa Clough Hopkins, P.E. | Environmental Engineer
Mobile **+1 (517) 775-2689** | Teams Message | melissa.hopkins@tetratech.com

Tetra Tech | *Leading with Science®*
3497 Coolidge Road | East Lansing, MI 48823| tetratech.com

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Please consider the environment before printing. Read more

TETRA TECH

From: Nicole Kowalski <nicole.kowalski@se.com>
Sent: Tuesday, April 18, 2023 4:03 PM
To: Hopkins, Melissa <melissa.hopkins@tetratech.com>
Cc: Dave Slivinski <dave.slivinski@se.com>
Subject: Delta Township WBS

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Melissa,

Please see attached the quote options for the Delta Township. The first attachment is the switchboard volunteered option for MCC-SE that we had discussed with Gene Jones Tetra Tech. Second attachment is MCC-SE as MCC and the third attachment is for the drives. We revised our quote per changes and request by Gene Jones.

Pricing is all C/N (customer net):
$188,743 – SWBD option
$203,823 – MCC
$119,371 – Drives

Taxes not included. Transportation is included. Square D standard terms & conditions apply. If you decide to go with Square D, we will require you to purchase through one of our authorized Square D distributors in the Lansing area. We have included in our price below a distributor markup so the price seen below should be your purchase price.

Let me know if you have any questions.

Thanks!

Nicole

Nicole Kowalski

Project Support Specialist (Michigan)
North America Operations
Square D by Schneider Electric

D 615-814-4080
E nicole.kowalski@se.com
Customer Support Contact Us

6700 Tower Circle
Franklin, TN
United States



Internal

Prepared By:
Nicole Kowalski
Project Support Specialist
nicole.kowalski@se.com

Proposal Name: Delta Township WBS Ultium 3

Quote Name: Delta Township WBS Ultium 3

Proposal Number: P-230403-3664665

Quote Number: Q-4020102

Quote Date: 04/05/2023

Through Addenda Number: 0

Sales Representative: Nicole Kowalski

Conditions of Sale

Except as otherwise provided below, this Quotation is subject to Coordinated Project Terms. See https://www.schneider-electric.us/en/download/document/0100PL0043

Notwithstanding any provision to the contrary in the referenced Coordinated Project Terms or any other documentation provided in connection with this proposal, this quote is valid for 30 days. Quoted lead times are approximate and subject to change.

Schneider Electric reserves the right to amend, withdraw or otherwise alter this submission without penalty or charge as a result of any event beyond its control arising from or due to the current Covid-19 epidemic or events subsequent to this epidemic / pandemic including changes in laws, regulations, by laws or direction from a competent authority.

Clarifications and Exceptions

1) Main breakers not including maintenance switch. Not required per code.
2) Rope lay wires to feed TVSS by others.
3) All branch breakers in MCC-A and MCC-B have LSI
4) LP-A1 NEMA 3R enclosure. One line says to be enclosure 12. NEMA 3R is higher.
5) E-200 Valve Enclosure and Valve Actuator not included
6) Limit Switches and Temp switch not included.
7) Standard warranties apply. No FOB included as not shown.
8) Incoming Main Breaker TVSS is only rated 160kA while the downstream TVSS in MCCS are 300kA. Please verify 160kA rating is correct. Thor TVSS part number calls for 300kA and one-line also says 340kA. We are providing 320kA for MCCs TVSS. Panel LP-A1 integral SPD had no rating so supplying 120kA.
9) Included ground bar and neutral assembly with Main Breaker to comply with service entrance rated spec on one line.
10) Spare Units for MCCs are not included.
11) Based on the room footprint, using all MCCs NEMA 12 design, we are at approximately 16’ wide for all 3 MCCs. We scale off the room at 15’10” total per the drawings from wall to door. As a result, we have provided an alternate quote for MCC-SE to be a switchboard section, however we can only provide this in NEMA 1. Also, the switchboard does not include the Stratix switch, this would have to be provided by others. However, we have provided an ethernet gateway built into the digital meter.

Using the SWBD design, we are able to reduce the overall footprint for MCC-SE, MCC-A and MCC-B to 10’6”. If this is an acceptable alternative, the price would reduce by $39,572.
Drives are estimated to be at 32” wide each.
No other startup besides VFD startup is included.

TABLE OF CONTENTS

Low Voltage Motor Control Centers

Panelboards

Low Voltage Transformers

Drives

Circuit Breakers

Surge Protection Devices

This Section Contains Products: Low Voltage Motor Control Centers

Seq #	Qty	Product Description
2	1	**Designation :** MCC-SE

Product Details:
1-Model 6 LVMCC Comms-Model 6 MCC - Industrial Package

Engineered To Order (ETO)

POWER SYSTEM DATA:
System Voltage: 480Y/277V 3PH 4W 60Hz
Max Available Fault Current (RMS): 65kA
Control Power: 120Vac

BUS SYSTEM DATA:
Power Bus: 800A Tin Plated Copper
Vertical Bus: 300A Tin Plated Copper
Neutral Bus: 100 Percent Rated Tin Plated Copper
Horizontal Ground Bus: 300A Tin Plated Copper
Vertical Ground Bus: Tin Plated Copper

ENCLOSURE DATA:
Enclosure Type: 20" Deep Industrial Duty Type 12
Exterior Color: ANSI 49
Interior Color: White

STRUCTURE FEATURES:
Equipment Mounting Height: 72"
Premium Barrier System including wire trough barriers with fishtape plugs and section barriers
Neutral Bus Minimum Drops per Lineup
Steel Bottom Closure Plate
Wire Tie Retainers in Vertical Wireway
6 Additional ground bus lugs per section
Rodent Barriers
Equipment Nameplate Engraved with Black Surface/White Letters

COMMON DEVICE FEATURES:
Wiring Type: Class 2 Type B Wiring
Manual Vertical Bus Shutters
Custom Drawing Options: NEMA ICS 18 Class IIS
Drawing Format: PDF - Single Multi Page File
Unit Nameplate Black Surface / White Letters
Stainless Steel Nameplate Screws

PRODUCT ACCESSORIES:
See Common Device Features

SPECIAL PRICING AND SECTION COUNT DATA:
Sections: 1 - Second Coat of Paint (TAG#: SP-7274)
Lineup: 2 - Warning Nameplate (TAG#: TR-82019-2)
5 - Total Section(s) in Lineup
5 - Section(s) with 300A Tin Plated Copper Vertical Bus

DIMENSIONS AND WEIGHT

Dimensions: 110.00"W X 20"D X 94.5"H
Approximate Weight: 3790.00 lbs / 1719.14 kgs

INCOMING

Incoming Connection Type: Cable

Entry Direction: Through the Top
UL Service Entrance Label

MAIN

Main Breaker Top Entry 800A
100kA Interrupting Rating
Aluminum Mechanical Lugs: (3) 3/0 - 500 kcmil Wires/Phase
Electronic Trip Circuit Breaker with Ground Fault
Electronic Trip Unit with Power Metering Long-time + Short-time + Instantaneous + Ground Fault Protection
24Vdc Trip Unit Power Supply
Circuit Breaker Internal Interlocks 1A/1B
Ethernet (Modbus TCP) Communications
Neutral Lug Termination
Key Interlock (Single Cylinder)
Factory Assigned Plastic Sleeve Wire Markers
Device Height - 33 in
Power Meter PM8244 w/ Display
Please contact plant for delivery schedule. Published delivery schedule may not apply.
#14 AWG MTW Control Wire
Factory Assigned Plastic Sleeve Wire Markers for Metering
Silver Plated Stabs
Device Height - 6 in

FEEDERS
---
1 - Circuit Breaker Branch Feeder 200A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 3/0 - 350 kcmil Wire/Phase
Electronic Trip Unit with Ammeter Long-time + Short-time + Instantaneous Protection
Silver Plated Stabs - Mains and Feeders
Device Height - 18 in
1 - Compac 6 Circuit Breaker Branch Feeder 60A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Electronic Trip Unit with Ammeter Long-time + Short-time + Instantaneous Protection
Silver Plated Stabs - Mains and Feeders
Device Height - 6 in
1 - Compac 6 Circuit Breaker Branch Feeder 50A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Electronic Trip Unit with Ammeter Long-time + Short-time + Instantaneous Protection
Silver Plated Stabs - Mains and Feeders
Device Height - 6 in
1 - Compac 6 Circuit Breaker Branch Feeder 20A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Electronic Trip Unit with Ammeter Long-time + Short-time + Instantaneous Protection
Silver Plated Stabs - Mains and Feeders

Device Height - 6 in
1 - Circuit Breaker Branch Feeder 800A
Device Load Exit -Top
100kA Interrupting Rating
Aluminum Mechanical Lugs: (3) 3/0 - 500 kcmil Wires/Phase
Electronic Trip Circuit Breaker with Ground Fault
Electronic Trip Unit with Power Metering Long-time + Short-time + Instantaneous + Ground Fault Protection
24Vdc Trip Unit Power Supply
Circuit Breaker Internal Interlocks 1A/1B
Ethernet (Modbus TCP) Communications
Neutral Lug Termination
Key Interlock (Single Cylinder)
Factory Assigned Plastic Sleeve Wire Markers
Device Height - 33 in
2 - Circuit Breaker Branch Feeder 500A
Device Load Exit -Top
65kA Interrupting Rating
Aluminum Mechanical Lugs: (2) 2/0 - 500 kcmil Wires/Phase
Electronic Trip Unit with Ammeter Long-time + Short-time + Instantaneous Protection
Circuit Breaker Internal Interlocks 1A/1B
Factory Assigned Plastic Sleeve Wire Markers
Device Height - 18 in

AUTOMATION DEVICES

Managed Ethernet Switch with 4 Ports
Device Height - 18 in
(1) Sub for Stratix 5700 1783-BMS10CGN (TAG#: SP-2970)
(1) 24VDC Redund UPS (TAG#: SP-17049)

MISCELLANEOUS DEVICES
---
3 - 3" Configured Space
4 - 36" Configured Space
1 - Unit Mount 24Vdc 8A Power Supply 9"
#16 AWG MTW Control Wire
Silver Plated Stabs
Device Height - 9 in
2 - 18" Configured Space

Estimated days to ship, excluding transit: 180 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
3	1	**Designation :** MCC-A

Product Details:
1-Model 6 LVMCC Comms-Model 6 MCC - Industrial Package

Engineered To Order (ETO)

POWER SYSTEM DATA:
System Voltage: 480V 3PH 3W 60Hz
Max Available Fault Current (RMS): 65kA
Control Power: 120Vac

BUS SYSTEM DATA:
Power Bus: 600A Tin Plated Copper
Vertical Bus: 300A Tin Plated Copper

Horizontal Ground Bus: 600A Tin Plated Copper
Vertical Ground Bus: Tin Plated Copper

ENCLOSURE DATA:
Enclosure Type: 20" Deep Industrial Duty Type 12
Exterior Color: ANSI 49
Interior Color: White

STRUCTURE FEATURES:
Equipment Mounting Height: 72"
Premium Barrier System including wire trough barriers with fishtape plugs and section barriers
Steel Bottom Closure Plate
Wire Tie Retainers in Vertical Wireway
6 Additional ground bus lugs per section
Rodent Barriers
Equipment Nameplate Engraved with Black Surface/White Letters

COMMON DEVICE FEATURES:
Wiring Type: Class 2 Type B Wiring
Manual Vertical Bus Shutters
Custom Drawing Options: NEMA ICS 18 Class IIS
Drawing Format: PDF - Single Multi Page File
Unit Nameplate Black Surface / White Letters
Stainless Steel Nameplate Screws

PRODUCT ACCESSORIES:
See Common Device Features

SPECIAL PRICING AND SECTION COUNT DATA:
Sections: 1 - Second Coat of Paint (TAG#: SP-7274)
2 - Total Section(s) in Lineup
1 - Section(s) with 600A Tin Plated Copper Vertical Bus
1 - Section(s) with 300A Tin Plated Copper Vertical Bus

DIMENSIONS AND WEIGHT

Dimensions: 40.00"W X 20"D X 94.5"H
Approximate Weight: 1500.00 lbs / 680.40 kgs

INCOMING

Incoming Connection Type: Cable
Entry Direction: Through the Top
UL Service Entrance Label

MAIN

Main Breaker Top Entry 500A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (2) 2/0 - 500 kcmil Wires/Phase
Electronic Trip Unit with Ammeter
Long-time + Short-time + Instantaneous Protection
24Vdc Trip Unit Power Supply
Circuit Breaker Internal Interlocks 1A/1B
Ethernet (Modbus TCP) Communications
Factory Assigned Plastic Sleeve Wire Markers
Silver Plated Stabs - Mains and Feeders
Device Height - 18 in

FEEDERS
---
3 - Circuit Breaker Branch Feeder 150A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 2/0 AWG Wire/Phase
24Vdc Trip Unit Power Supply
Factory Assigned Plastic Sleeve Wire Markers
Device Height - 12 in
1 - Circuit Breaker Branch Feeder 150A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 2/0 AWG Wire/Phase
Device Height - 12 in
1 - Compac 6 Circuit Breaker Branch Feeder 60A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Device Height - 6 in
3 - Compac 6 Circuit Breaker Branch Feeder 30A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Device Height - 6 in
1 - Compac 6 Circuit Breaker Branch Feeder 20A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Device Height - 6 in

COMMON FEEDER FEATURES

Electronic Trip Unit with Ammeter
Long-time + Short-time + Instantaneous Protection
Silver Plated Stabs - Mains and Feeders

AUTOMATION DEVICES

MISCELLANEOUS DEVICES
---
1 - Unit Mount 24Vdc 8A Power Supply 6"
#16 AWG MTW Control Wire
Silver Plated Stabs
Device Height - 6 in
1 - 36" Configured Space
1 - 6" Configured Space

Estimated days to ship, excluding transit: 180 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
4	1	**Designation :** MCC-B

Product Details:
1-Model 6 LVMCC Comms-Model 6 MCC - Industrial Package

Engineered To Order (ETO)

POWER SYSTEM DATA:
System Voltage: 480V 3PH 3W 60Hz
Max Available Fault Current (RMS): 65kA
Control Power: 120Vac

BUS SYSTEM DATA:
Power Bus: 600A Tin Plated Copper
Vertical Bus: 300A Tin Plated Copper
Horizontal Ground Bus: 600A Tin Plated Copper
Vertical Ground Bus: Tin Plated Copper

ENCLOSURE DATA:
Enclosure Type: 20" Deep Industrial Duty Type 12
Exterior Color: ANSI 49
Interior Color: White

STRUCTURE FEATURES:
Equipment Mounting Height: 72"
Premium Barrier System including wire trough barriers with fishtape plugs and section barriers
Steel Bottom Closure Plate
Wire Tie Retainers in Vertical Wireway
6 Additional ground bus lugs per section
Rodent Barriers
Equipment Nameplate Engraved with Black Surface/White Letters

COMMON DEVICE FEATURES:
Wiring Type: Class 2 Type B Wiring
Manual Vertical Bus Shutters
Custom Drawing Options: NEMA ICS 18 Class IIS
Drawing Format: PDF - Single Multi Page File
Unit Nameplate Black Surface / White Letters
Stainless Steel Nameplate Screws

PRODUCT ACCESSORIES:
See Common Device Features

SPECIAL PRICING AND SECTION COUNT DATA:
Sections: 1 - Second Coat of Paint (TAG#: SP-7274)
2 - Total Section(s) in Lineup
1 - Section(s) with 600A Tin Plated Copper Vertical Bus
1 - Section(s) with 300A Tin Plated Copper Vertical Bus

DIMENSIONS AND WEIGHT

Dimensions: 40.00"W X 20"D X 94.5"H
Approximate Weight: 1500.00 lbs / 680.40 kgs

INCOMING

Incoming Connection Type: Cable
Entry Direction: Through the Top
UL Service Entrance Label

MAIN

Main Breaker Top Entry 500A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (2) 2/0 - 500 kcmil Wires/Phase
Electronic Trip Unit with Ammeter
Long-time + Short-time + Instantaneous Protection
24Vdc Trip Unit Power Supply
Circuit Breaker Internal Interlocks 1A/1B
Ethernet (Modbus TCP) Communications
Factory Assigned Plastic Sleeve Wire Markers

Silver Plated Stabs - Mains and Feeders
Device Height - 18 in

FEEDERS
---
2 - Circuit Breaker Branch Feeder 150A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 2/0 AWG Wire/Phase
Device Height - 12 in
1 - Compac 6 Circuit Breaker Branch Feeder 60A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Device Height - 6 in
3 - Compac 6 Circuit Breaker Branch Feeder 30A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Device Height - 6 in
2 - Compac 6 Circuit Breaker Branch Feeder 40A
65kA Interrupting Rating
Aluminum Mechanical Lugs: (1) 14 - 3/0 AWG Wire/Phase
Device Height - 6 in

COMMON FEEDER FEATURES

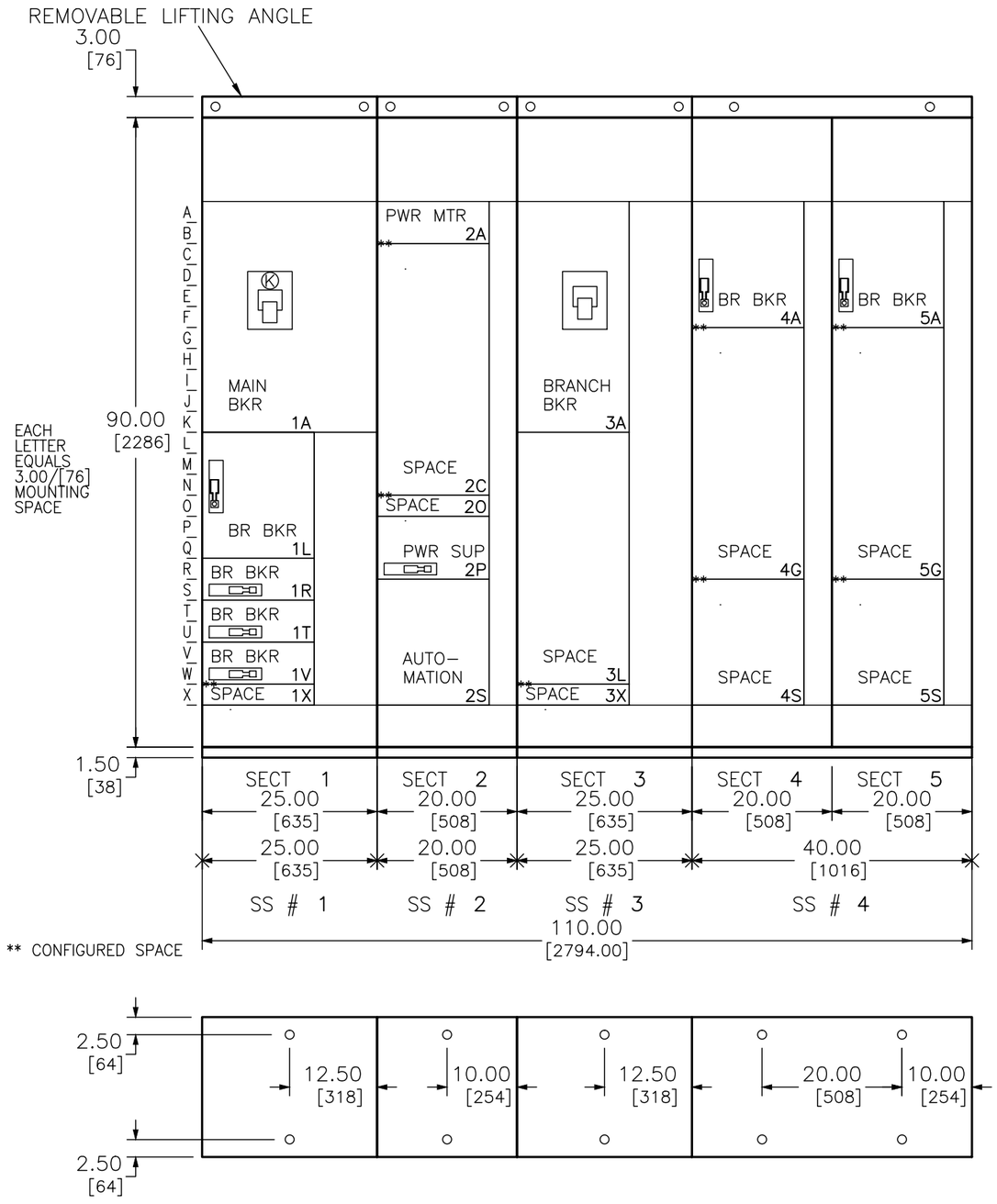
Electronic Trip Unit with Ammeter
Long-time + Short-time + Instantaneous Protection
Silver Plated Stabs - Mains and Feeders

AUTOMATION DEVICES

MISCELLANEOUS DEVICES
---
1 - Unit Mount 24Vdc 8A Power Supply 6"
#16 AWG MTW Control Wire
Silver Plated Stabs
Device Height - 6 in
1 - 36" Configured Space
1 - 24" Configured Space

Estimated days to ship, excluding transit: 180 working days after customer release to manufacturer. See Conditions of Sale.

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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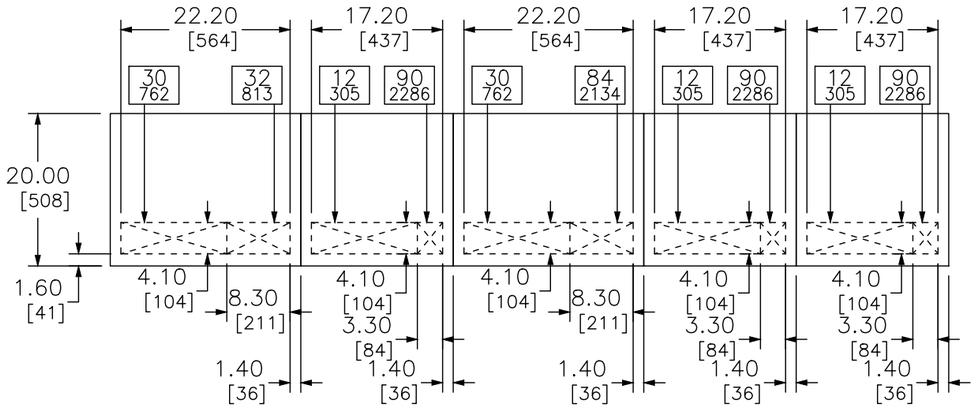


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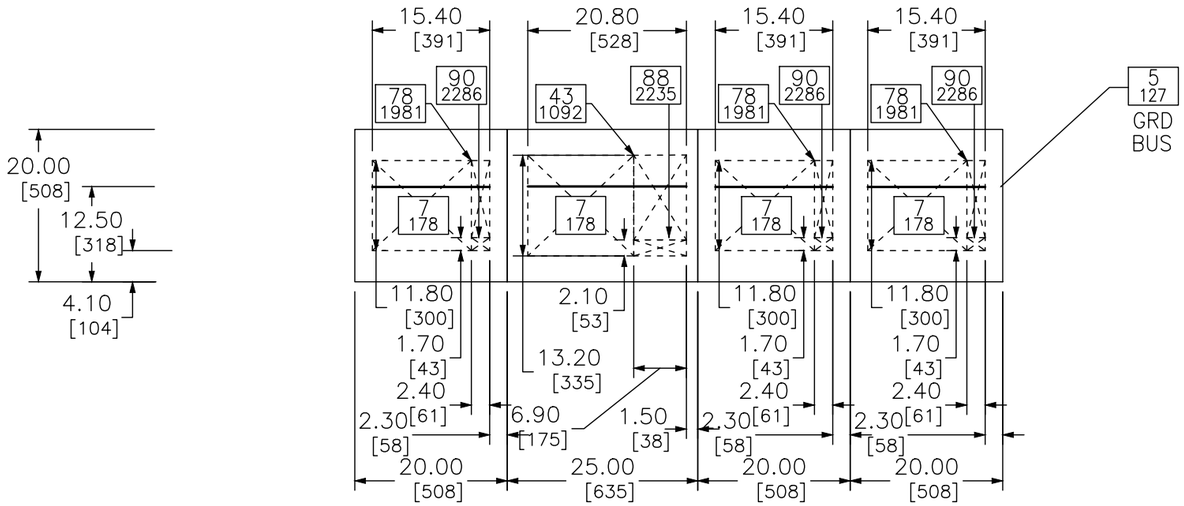
ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC–SE**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **FQ–4020102–115610452–01**	PG 1 OF 3 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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TOP VIEW



FLOOR VIEW

CROSSED AREA REPRESENTS CONDUIT ENTRY AREA. NUMBERS IN BOXES INDICATE VERTICAL CLEARANCE TO NEAREST OBSTRUCTION.

ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-SE**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**FQ-4020102-115610452-01**

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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GENERAL NOTES

Class 2 Type B Wiring

PRODUCT DESCRIPTION AND RATINGS

POWER SYSTEM DATA:

480Y/277V 3PH 4W 60Hz
SHORT CIRCUIT RATING: 65kA
POWER ENTERS: Main Breaker Top Section 1
CONTROL POWER: 120Vac

BUS SYSTEM DATA:

MAIN HORIZONTAL BUS: 800 Amp Tin Plated Copper
BUS BRACING: 65kA
VERTICAL BUS: 300 Amp Tin Plated Copper
NEUTRAL BUS: 100 Percent Tin Plated Copper
HORIZONTAL GROUND BUS: 300 Amp Tin Plated Copper
Units Securely Grounded To Structure

ENCLOSURE DATA:

ENCLOSURE TYPE: 20" DEEP Type 12
EXTERIOR COLOR: Electrodeposition Finish ANSI 49 Medium Light Grey
INTERIOR COLOR: Electrodeposition Finish White
REMOVABLE 3" [76mm] LIFTING ANGLE

STRUCTURE MODIFICATIONS:

Rodent Barriers 1,5
Manual Bus Shutters 1,2,3,4,5
Premium Barrier System 1,2,3,4,5
Copper Vertical Ground Bus 1,2,3,4,5
Wire Retainers 1,2,3,4,5
Equipment Nameplate 1
Neutral Bus Drop

EQUIPMENT WEIGHT:

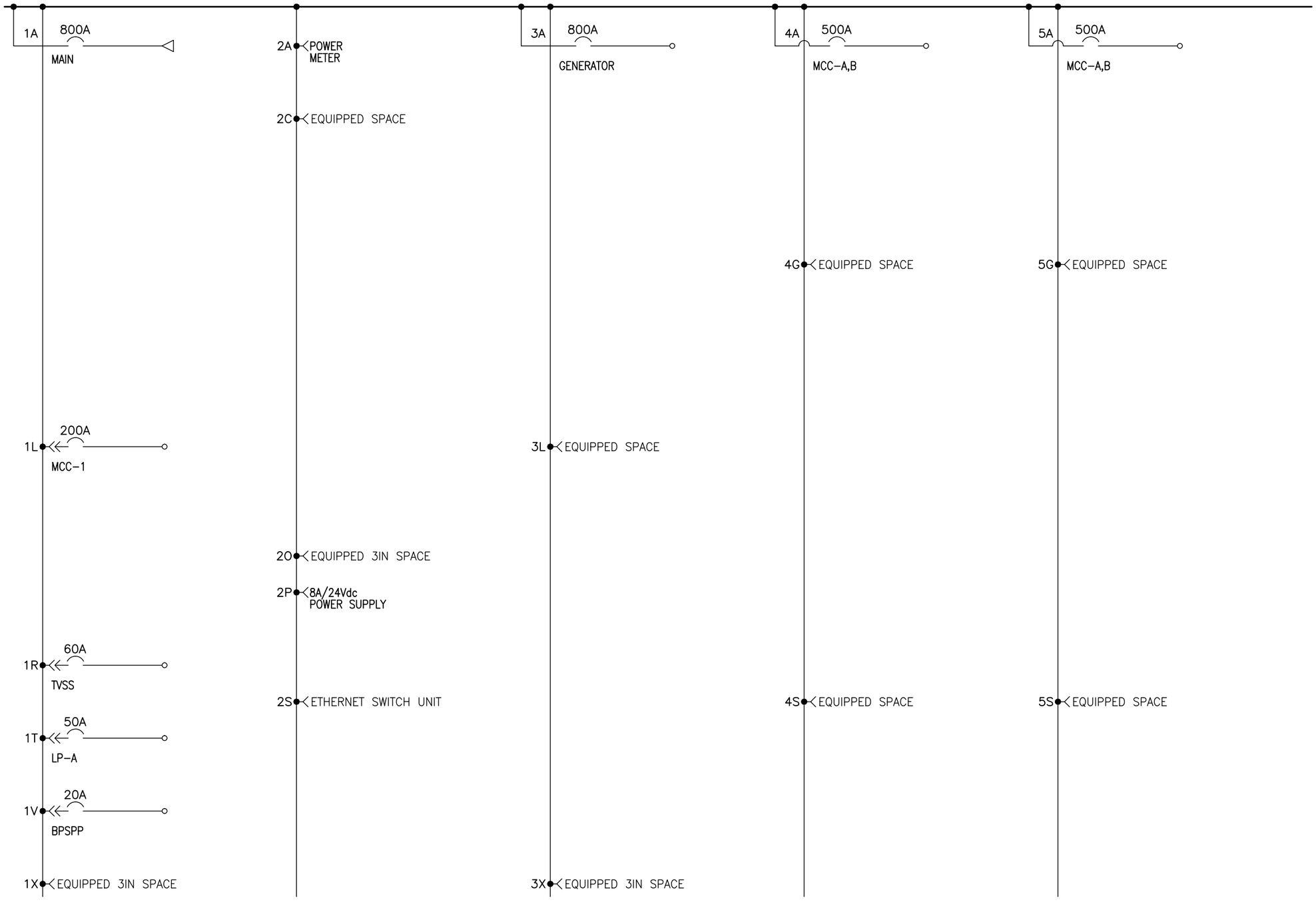
SHIPPING SPLIT # 1: 770.00 Lbs. (349.27 Kg.)
SHIPPING SPLIT # 2: 750.00 Lbs. (340.20 Kg.)
SHIPPING SPLIT # 3: 770.00 Lbs. (349.27 Kg.)
SHIPPING SPLIT # 4: 1500.00 Lbs. (680.40 Kg.)
TOTAL LINEUP WEIGHT (APPROX): 3790.00 Lbs. (1719.14 Kg.)

PRODUCT ACCESSORIES:

Stainless Steel N/P Screws
Bottom Closing Plates

JOB NAME: Delta Township WBS Ultium 3		EQUIPMENT DESIGNATION: **MCC-SE**	
JOB LOCATION:		EQUIPMENT TYPE: MODEL 6 MOTOR CONTROL CENTER	
DRAWN BY: (Q2C)		DRAWING TYPE: ELEVATION	
ENGR:		SQUARE D by Schneider Electric	
DATE: April 05 2023			
DRAWING STATUS: QUOTE	DWG# **FQ-4020102-115610452-01**	PG **3** OF **3**	REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-SE**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ONE LINE DIAGRAM
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **0Q-4020102-115610452-01**	PG 1 OF 1 REV –

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UNIT LOC	UNIT NAMEPLATES (BLACK SURFACE/WHITE LETTERS)	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	FUSE SIZE PRI	FUSE SIZE SEC	INTERLOCKS NO	INTERLOCKS NC	PILOT DEVICES: LED 30 mm ** ON LIGHT	PILOT DEVICES: LED 30 mm ** OFF LIGHT	PILOT DEVICES: LED 30 mm ** ADDL P/L	PILOT DEVICES: LED 30 mm ** SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
1A	MAIN	MAIN BKR			PL 1200	**800**											(3) 3/0–500KCMIL WIRES/PH, 24VDC TRIP UNIT PWR SUPP, 80% RATED, AL MECH LUG AL/CU CABLE,	EQ–4020102–115610452–0
																	COMMS UNWIRED ETHERNET MODBUS TCP, ELECTRONIC POWER TRIP UNIT, INT INTLK 1A/1B FORM C, KEY INTERLOCK,	
																	LSIG TRIP FUNCTION, SOLID NEUTRAL, STD WIRE LABELS, UL SERVICE ENT LABEL	
1L	MCC–1	BRANCH BKR			JJ 250	**200**											(1) 3/0–350KCMIL WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115610452–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1R	TVSS	6" BRANCH BKR			HJ 150	**60**											(1) 14–3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115610452–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1T	LP–A	6" BRANCH BKR			HJ 150	**50**											(1) 14–3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115610452–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1V	BPSPP	6" BRANCH BKR			HJ 150	**20**											(1) 14–3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115610452–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1X		SPACE																
2A	MONITORING UNIT FOR MAIN	POWER METER															PM8244 W/DISPLAY, SILVER PLATED STABS, STD WIRE LABELS	EQ–4020102–115610452–0
2C		SPACE																
UNIT LOC	**UNIT NAMEPLATES**	**UNIT TYPE**	**SIZE**	**HP**	**FRAME AMPS**	**TRIP AMPS**	**CONTROL SOURCE**	**VA**	**PRI**	**SEC**	**NO**	**NC**	**ON LIGHT**	**OFF LIGHT**	**ADDL P/L**	**SS / PB**	**OTHER UNIT FEATURES**	**ELEMENTARY #**
									FUSE SIZE		**INTERLOCKS**		**PILOT DEVICES: LED 30 mm ****					

MCC NAMEPLATE – MCC–SE
(BLACK SURFACE/WHITE LETTERS)

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC–SE**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	UNIT INFORMATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**IQ–4020102–115610452–01**

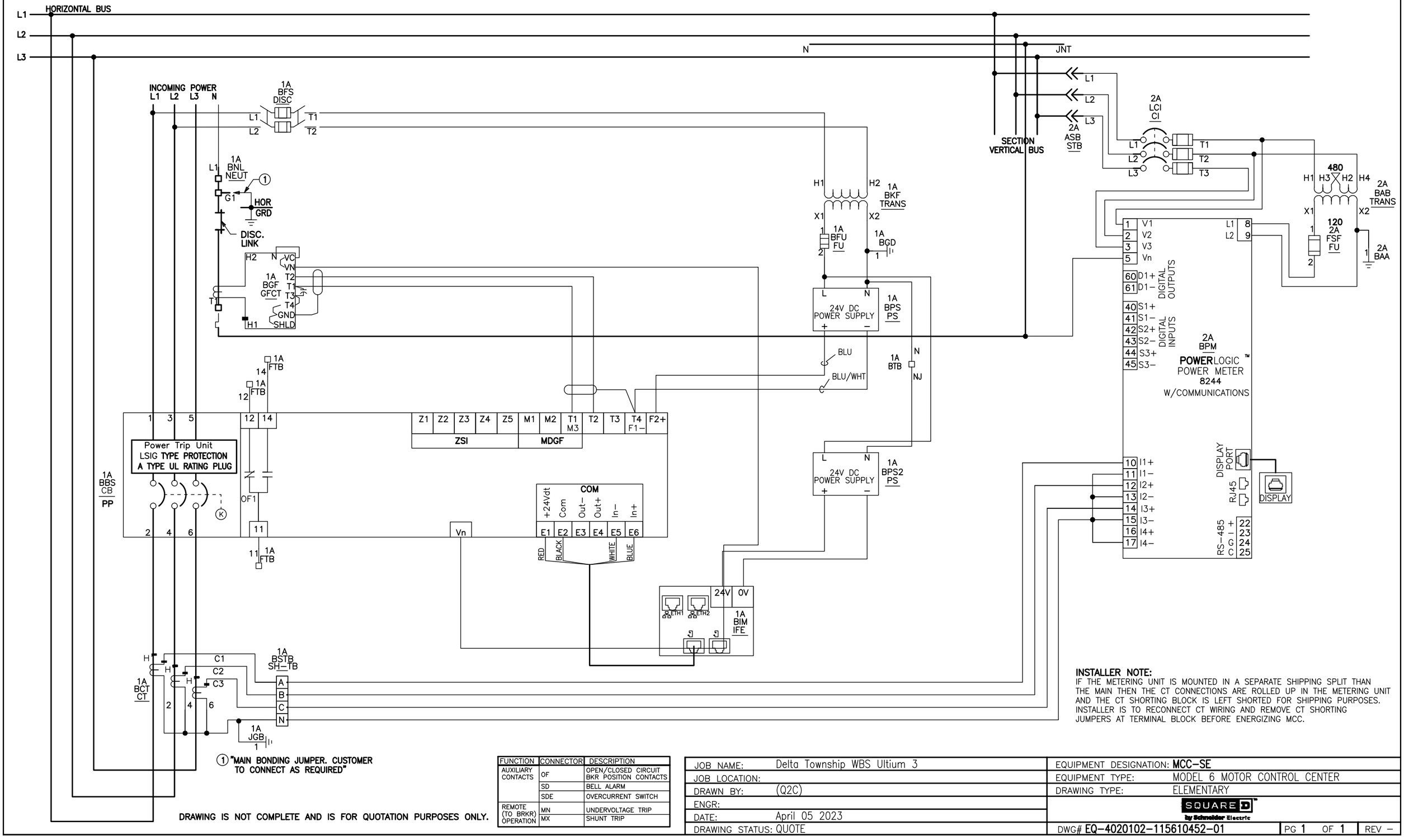
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UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	FUSE SIZE PRI	FUSE SIZE SEC	INTERLOCKS NO	INTERLOCKS NC	PILOT DEVICES: LED 30 mm ** ON LIGHT	PILOT DEVICES: LED 30 mm ** OFF LIGHT	PILOT DEVICES: LED 30 mm ** ADDL P/L	PILOT DEVICES: LED 30 mm ** SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
2O		SPACE																
2P	8A/24Vdc POWER SUPPLY FOR UNIT 2S	POWER SUPPLY															#16 AWG MTW CONTROL WIRE, SILVER PLATED STABS, STD WIRE LABELS	EQ-4020102-115610452-0
2S		AUTO-MATION															12TX / 2FX, MANAGED ETHERNET SWITCH UNIT, STD WIRE LABELS	EQ-4020102-115610452-0
3A	GENERATOR	BRANCH BKR			PL 1200	**800**											(3) 3/0-500KCMIL WIRES/PH, 24VDC TRIP UNIT PWR SUPP, 80% RATED, AL MECH LUG AL/CU CABLE,	EQ-4020102-115610452-0
																	COMMS UNWIRED ETHERNET MODBUS TCP, ELECTRONIC POWER TRIP UNIT, INT INTLK 1A/1B FORM C, KEY INTERLOCK,	
																	LSIG TRIP FUNCTION, SOLID NEUTRAL, STD WIRE LABELS	
3L		SPACE																
3X		SPACE																
4A	MCC-A,B	BRANCH BKR			LJ 600	**500**											(2) 2/0-500KCMIL WIRES/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115610452-0
																	INT INTLK 1A/1B FORM C, LSI TRIP FUNCTION, STD WIRE LABELS	
4G		SPACE																
4S		SPACE																
5A	MCC-A,B	BRANCH BKR			LJ 600	**500**											(2) 2/0-500KCMIL WIRES/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115610452-0
																	INT INTLK 1A/1B FORM C, LSI TRIP FUNCTION, STD WIRE LABELS	
5G		SPACE																
5S		SPACE																
UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	PRI	SEC	NO	NC	ON LIGHT	OFF LIGHT	ADDL P/L	SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
									FUSE SIZE		INTERLOCKS		PILOT DEVICES: LED 30 mm **					

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	UNIT INFORMATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	IQ-4020102-115610452-01

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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WM



① "MAIN BONDING JUMPER. CUSTOMER TO CONNECT AS REQUIRED"

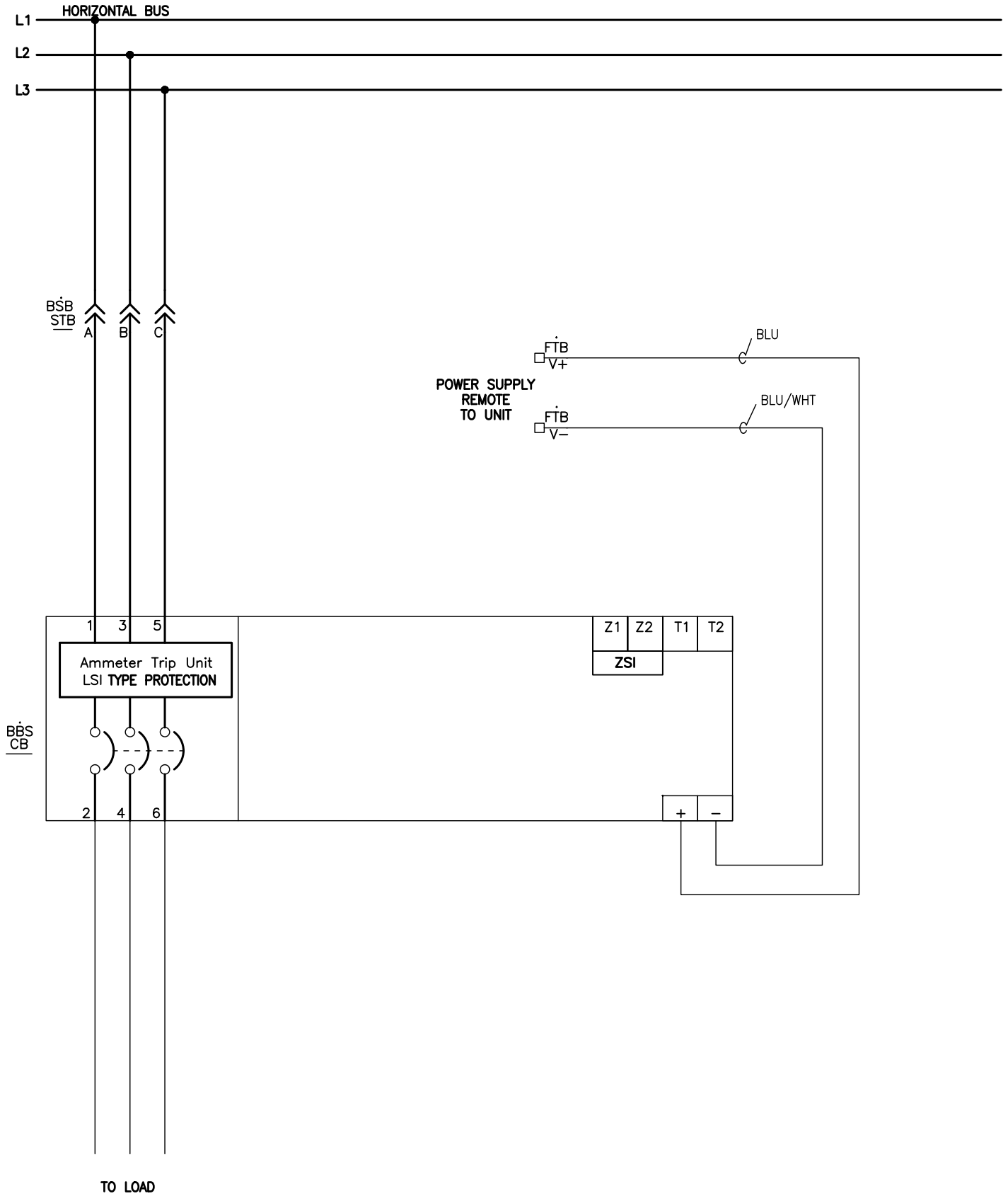
DRAWING IS NOT COMPLETE AND IS FOR QUOTATION PURPOSES ONLY.

FUNCTION	CONNECTOR	DESCRIPTION
AUXILIARY CONTACTS	OF	OPEN/CLOSED CIRCUIT BKR POSITION CONTACTS
	SD	BELL ALARM
	SDE	OVERCURRENT SWITCH
REMOTE (TO BRKR) OPERATION	MN	UNDERVOLTAGE TRIP
	MX	SHUNT TRIP

INSTALLER NOTE:
IF THE METERING UNIT IS MOUNTED IN A SEPARATE SHIPPING SPLIT THAN THE MAIN THEN THE CT CONNECTIONS ARE ROLLED UP IN THE METERING UNIT AND THE CT SHORTING BLOCK IS LEFT SHORTED FOR SHIPPING PURPOSES. INSTALLER IS TO RECONNECT CT WIRING AND REMOVE CT SHORTING JUMPERS AT TERMINAL BLOCK BEFORE ENERGIZING MCC.

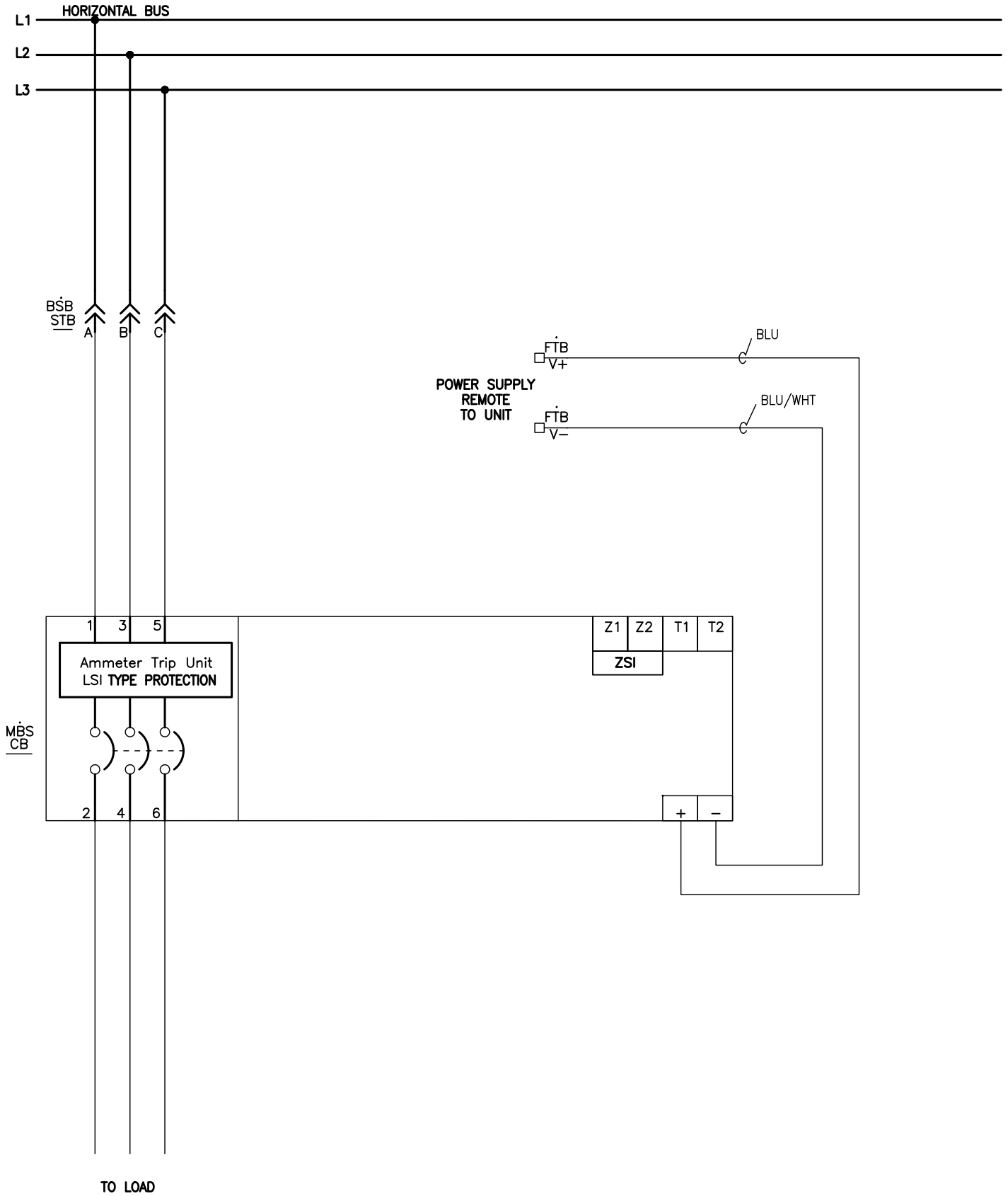
JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC–SE**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**EQ–4020102–115610452–01** PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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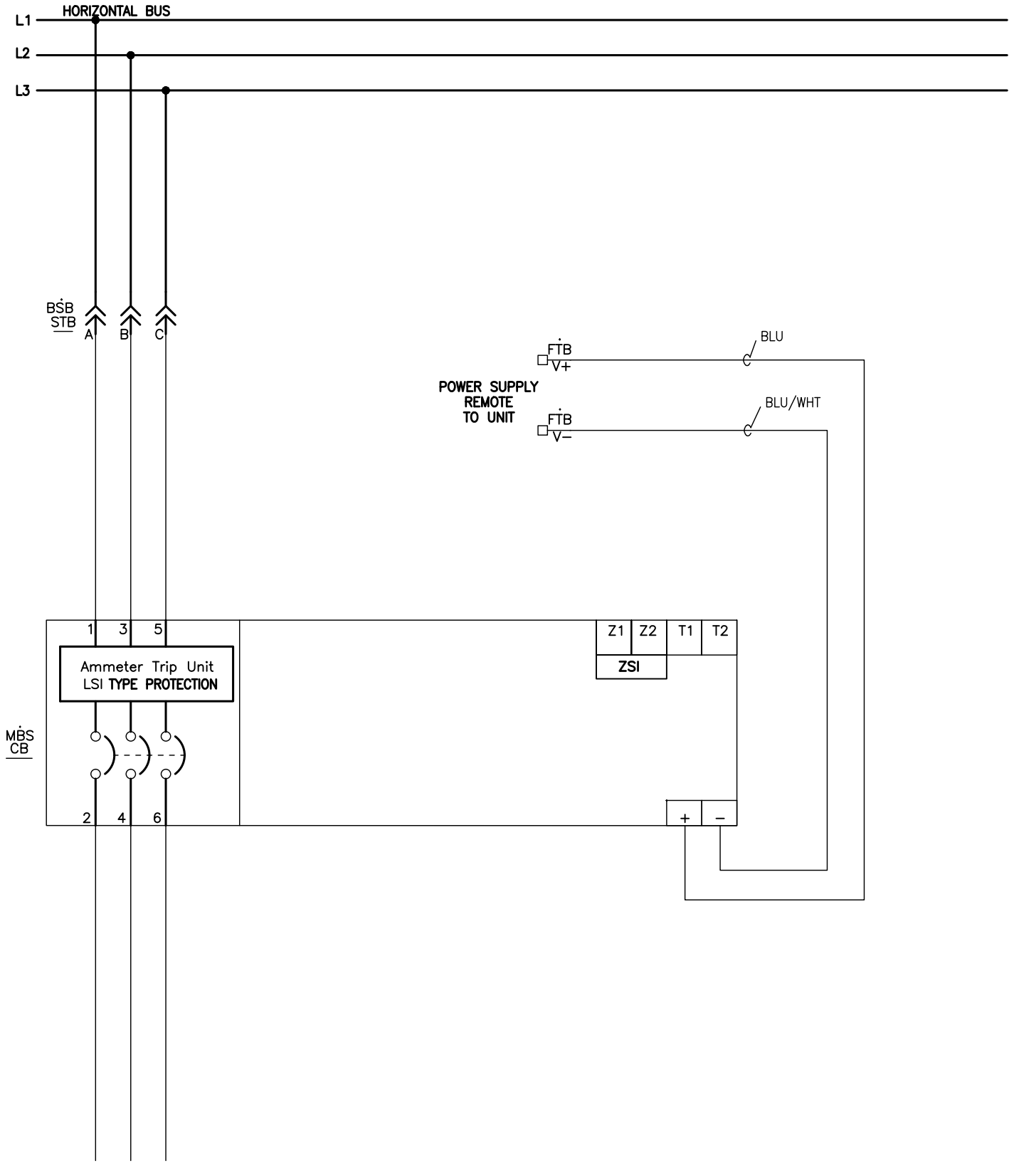
JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115610452-02	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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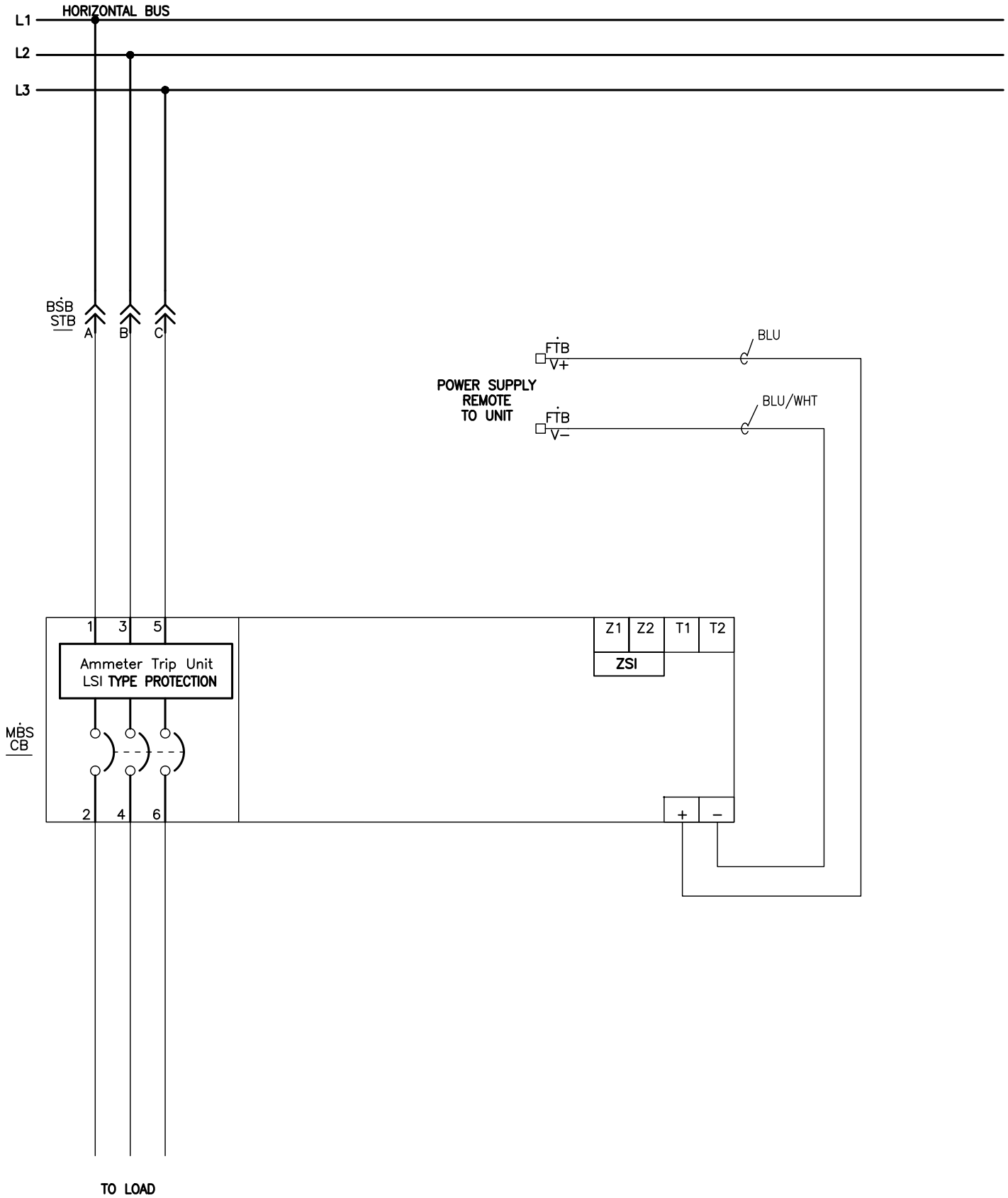
JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115610452-03	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115610452-04	PG 1 OF 1 REV –

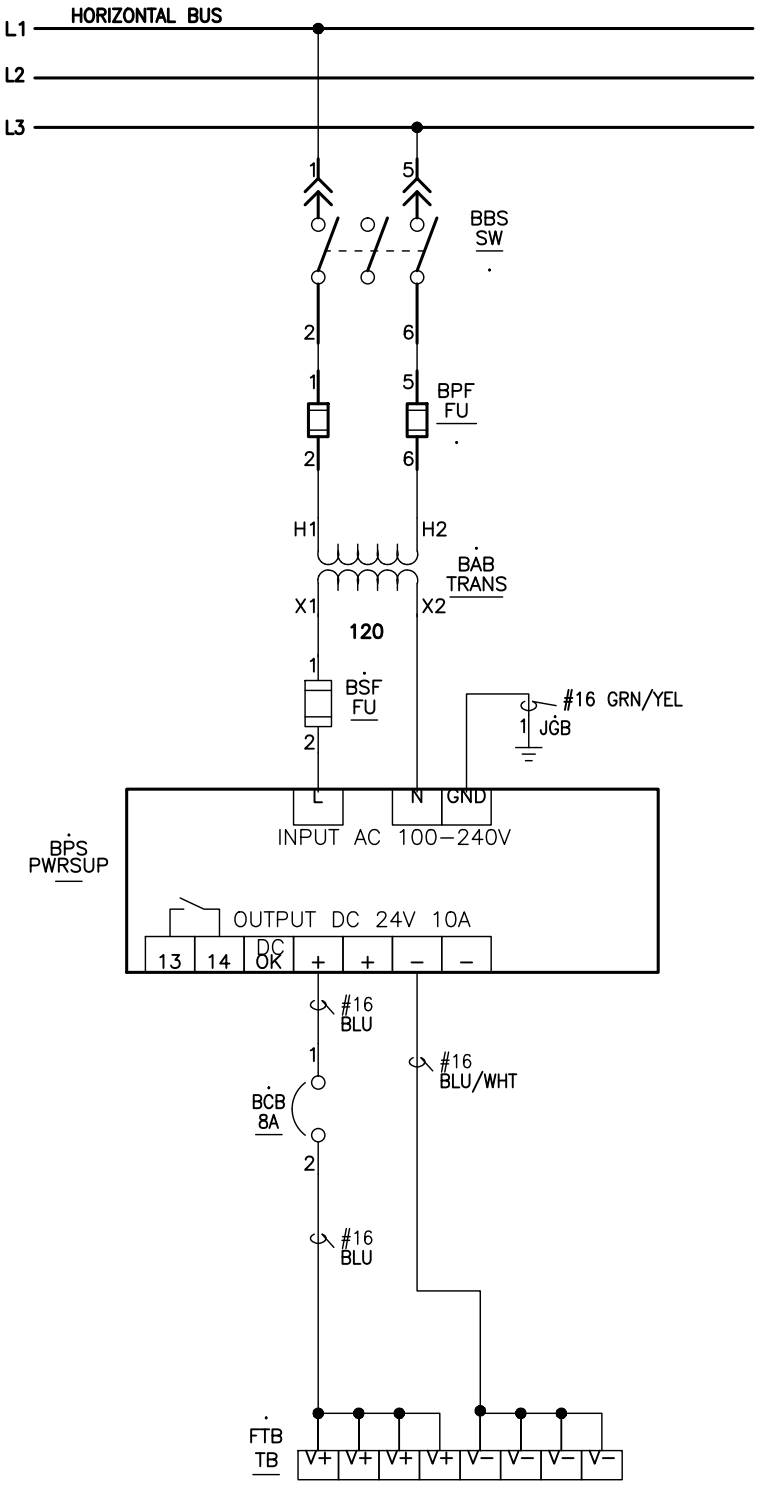
REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115610452-05	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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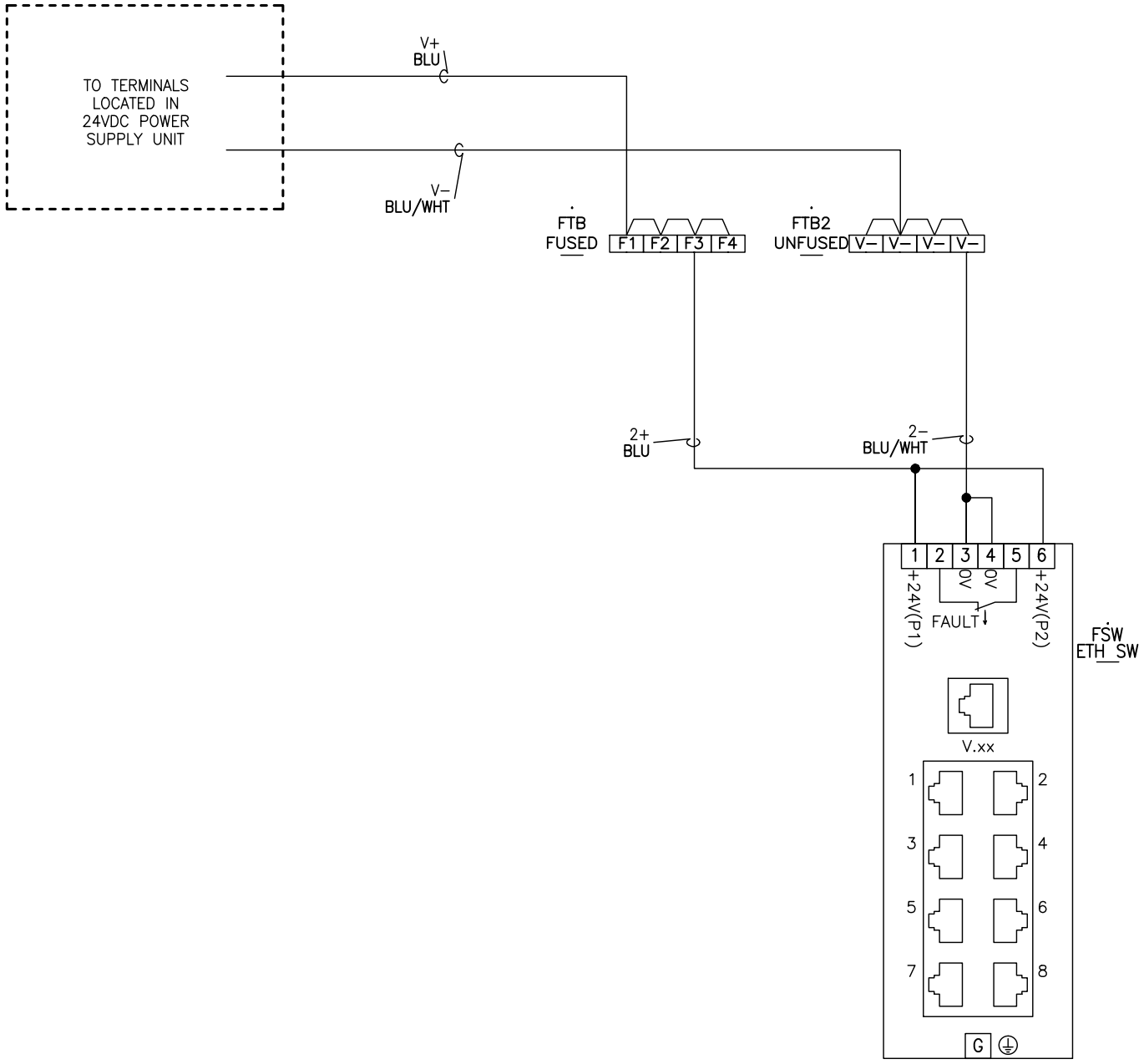
WM



JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC–SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ–4020102–115610452–06	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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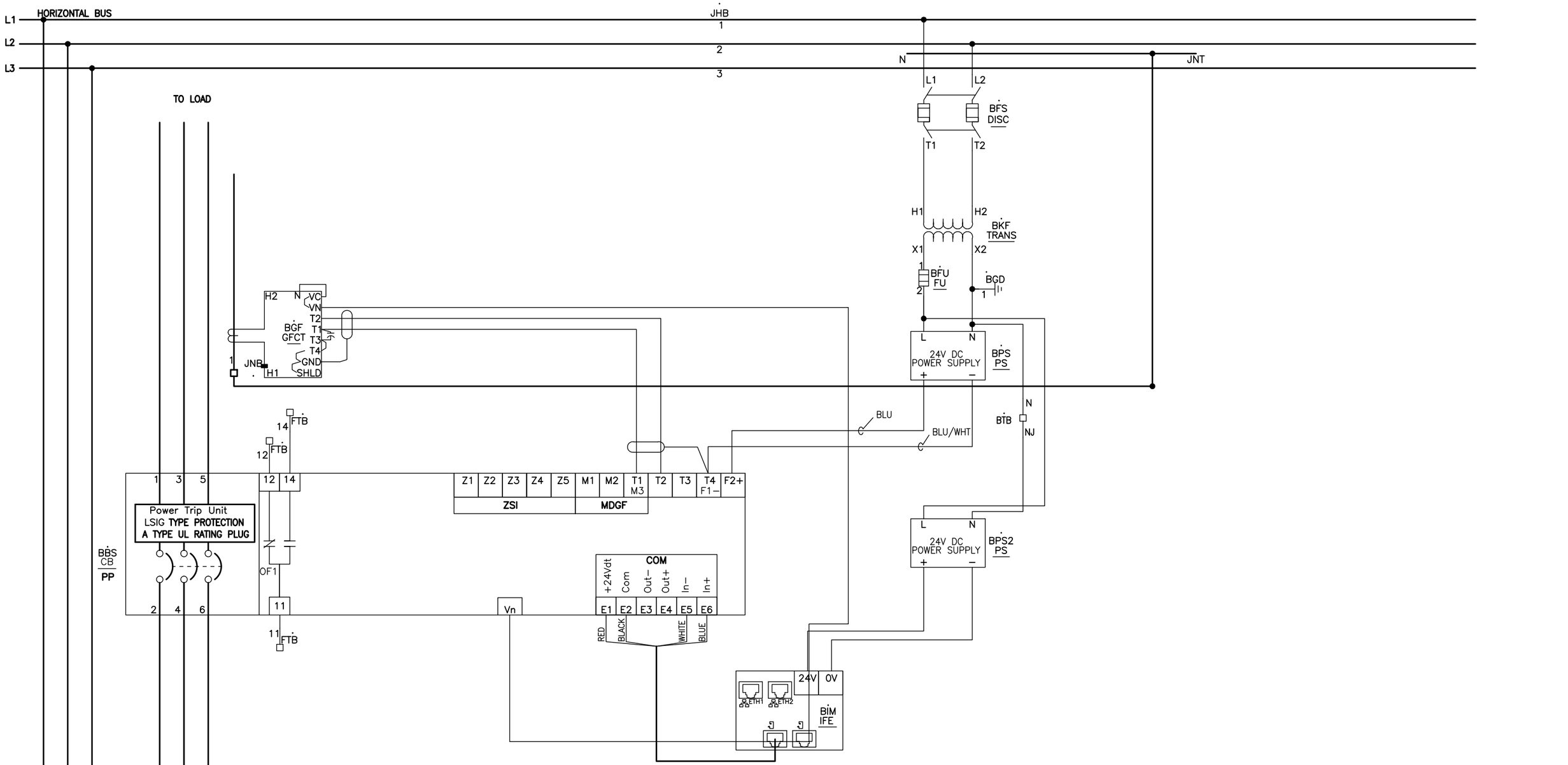


DRAWING IS NOT COMPLETE AND IS FOR QUOTATION PURPOSES ONLY.

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115610452-07	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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WM



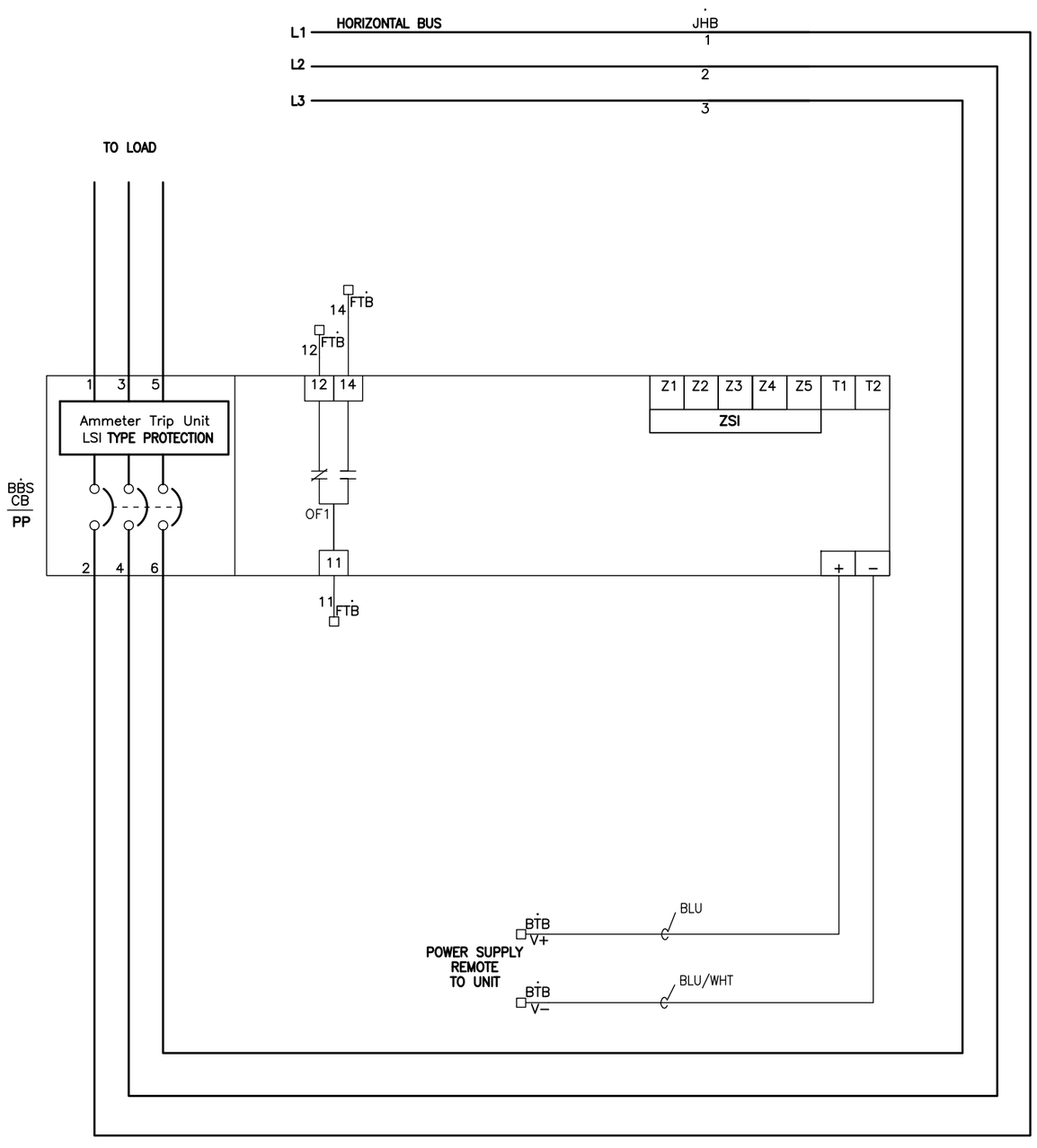
FUNCTION	CONNECTOR	DESCRIPTION
AUXILIARY CONTACTS	OF	OPEN/CLOSED CIRCUIT BKR POSITION CONTACTS
	SD	BELL ALARM
	SDE	OVERCURRENT SWITCH
REMOTE (TO BRKR) OPERATION	MN	UNDERVOLTAGE TRIP
	MX	SHUNT TRIP

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	EQ-4020102-115610452-08

PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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WM

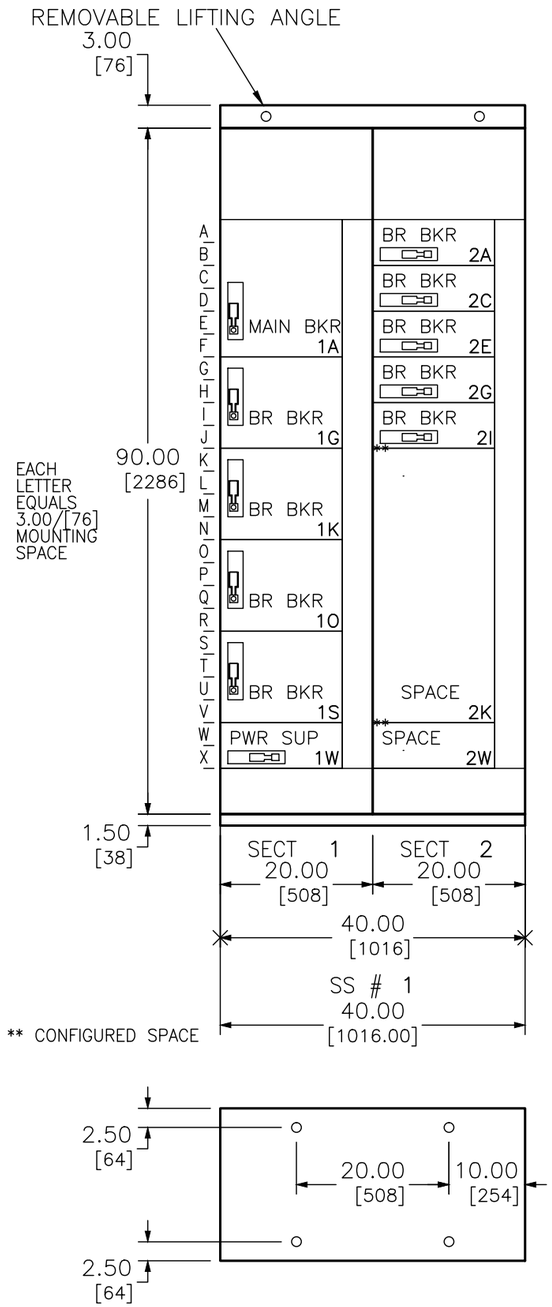


FUNCTION	CONNECTOR	DESCRIPTION
AUXILIARY CONTACTS	OF	OPEN/CLOSED CIRCUIT BKR POSITION CONTACTS
	SD	BELL ALARM
	SDE	OVERCURRENT SWITCH
REMOTE (TO BRKR) OPERATION	MN	UNDERVOLTAGE TRIP
	MX	SHUNT TRIP

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-SE
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	EQ-4020102-115610452-09

PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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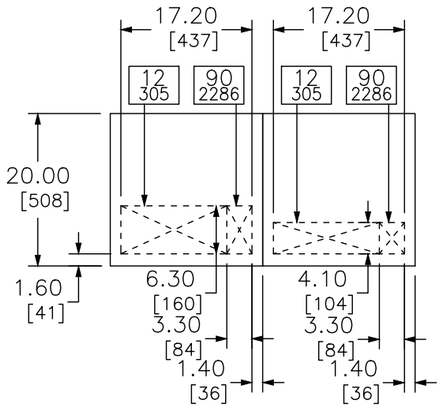


ANCHOR DETAIL

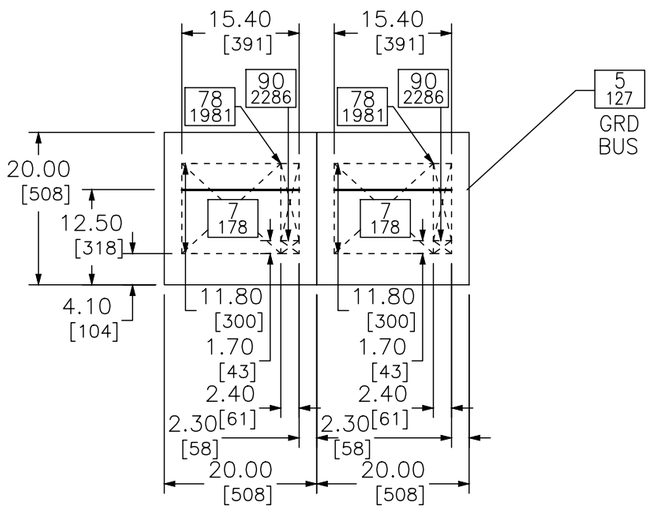
ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-A**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**FQ-4020102-115613094-01**

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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TOP VIEW



FLOOR VIEW

CROSSED AREA REPRESENTS CONDUIT ENTRY AREA. NUMBERS IN BOXES INDICATE VERTICAL CLEARANCE TO NEAREST OBSTRUCTION.

ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-A**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **FQ-4020102-115613094-01**	PG **2** OF **3** REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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GENERAL NOTES

Class 2 Type B Wiring

PRODUCT DESCRIPTION AND RATINGS

POWER SYSTEM DATA:

480V 3PH 3W 60Hz
SHORT CIRCUIT RATING: 65kA
POWER ENTERS: Main Breaker Top Section 1
CONTROL POWER: 120Vac

BUS SYSTEM DATA:

MAIN HORIZONTAL BUS: 600 Amp Tin Plated Copper
BUS BRACING: 65kA
VERTICAL BUS: 300 Amp Tin Plated Copper
HORIZONTAL GROUND BUS: 600 Amp Tin Plated Copper
Units Securely Grounded To Structure

ENCLOSURE DATA:

ENCLOSURE TYPE: 20" DEEP Type 12
EXTERIOR COLOR: Electrodeposition Finish ANSI 49 Medium Light Grey
INTERIOR COLOR: Electrodeposition Finish White
REMOVABLE 3" [76mm] LIFTING ANGLE

STRUCTURE MODIFICATIONS:

Rodent Barriers 1,2
Manual Bus Shutters 1,2
Premium Barrier System 1,2
600A Vertical Bus 1
Copper Vertical Ground Bus 1,2
Wire Retainers 1,2
Equipment Nameplate 1

EQUIPMENT WEIGHT:

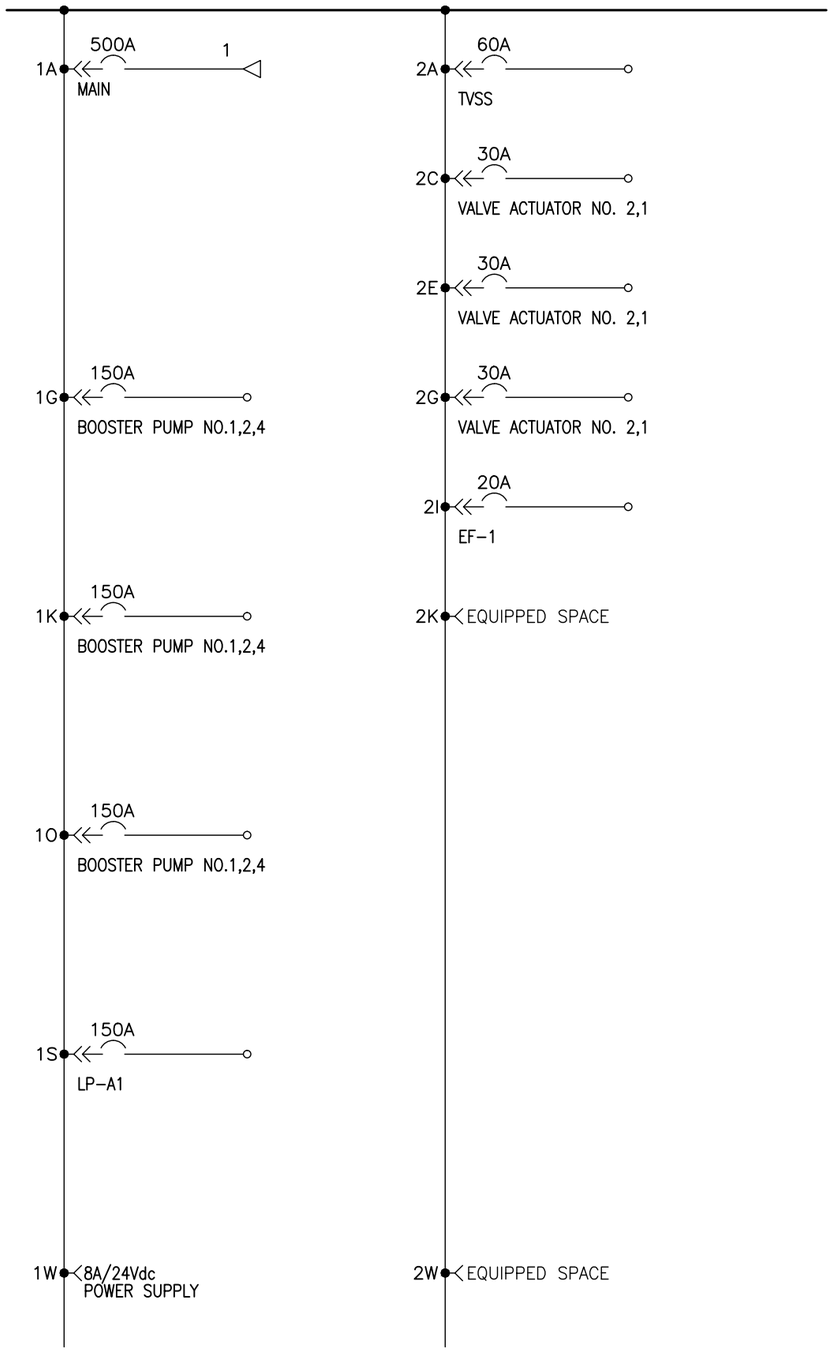
SHIPPING SPLIT # 1: 1500.00 Lbs. (680.40 Kg.)
TOTAL LINEUP WEIGHT (APPROX): 1500.00 Lbs. (680.40 Kg.)

PRODUCT ACCESSORIES:

Stainless Steel N/P Screws
Bottom Closing Plates

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-A**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **FQ-4020102-115613094-01**	PG 3 OF 3 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-A**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ONE LINE DIAGRAM
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **0Q-4020102-115613094-01**	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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UNIT LOC	UNIT NAMEPLATES (BLACK SURFACE/WHITE LETTERS)	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	FUSE SIZE PRI	FUSE SIZE SEC	INTERLOCKS NO	INTERLOCKS NC	PILOT DEVICES: LED 30 mm ** ON LIGHT	PILOT DEVICES: LED 30 mm ** OFF LIGHT	PILOT DEVICES: LED 30 mm ** ADDL P/L	PILOT DEVICES: LED 30 mm ** SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
1A	MAIN	MAIN BKR			LJ 600	**500**											(2) 2/0–500KCMIL WIRES/PH, 24VDC TRIP UNIT PWR SUPP, 80% RATED, AL MECH LUG AL/CU CABLE,	EQ–4020102–115613094–0
																	COMMS UNWIRED ETHERNET MODBUS TCP, ELECTRONIC AMMETER TRIP UNIT, INT INTLK 1A/1B FORM C, LSI TRIP FUNCTION,	
																	SILVER PLATED STABS, STD WIRE LABELS, UL SERVICE ENT LABEL	
1G	BOOSTER PUMP NO.1,2,4	BRANCH BKR			HJ 150	**150**											(1) 14–2/0AWG WIRE/PH, 24VDC TRIP UNIT PWR SUPP, 80% RATED, AL MECH LUG AL/CU CABLE,	EQ–4020102–115613094–0
																	ELECTRONIC AMMETER TRIP UNIT, LSI TRIP FUNCTION, SILVER PLATED STABS, STD WIRE LABELS, T/M BKR	
1K	BOOSTER PUMP NO.1,2,4	BRANCH BKR			HJ 150	**150**											(1) 14–2/0AWG WIRE/PH, 24VDC TRIP UNIT PWR SUPP, 80% RATED, AL MECH LUG AL/CU CABLE,	EQ–4020102–115613094–0
																	ELECTRONIC AMMETER TRIP UNIT, LSI TRIP FUNCTION, SILVER PLATED STABS, STD WIRE LABELS, T/M BKR	
1O	BOOSTER PUMP NO.1,2,4	BRANCH BKR			HJ 150	**150**											(1) 14–2/0AWG WIRE/PH, 24VDC TRIP UNIT PWR SUPP, 80% RATED, AL MECH LUG AL/CU CABLE,	EQ–4020102–115613094–0
																	ELECTRONIC AMMETER TRIP UNIT, LSI TRIP FUNCTION, SILVER PLATED STABS, STD WIRE LABELS, T/M BKR	
1S	LP–A1	BRANCH BKR			HJ 150	**150**											(1) 14–2/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115613094–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1W		POWER SUPPLY															#16 AWG MTW CONTROL WIRE, SILVER PLATED STABS, STD WIRE LABELS	EQ–4020102–115613094–0
2A	TVSS	6" BRANCH BKR			HJ 150	**60**											(1) 14–3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115613094–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	PRI	SEC	NO	NC	ON LIGHT	OFF LIGHT	ADDL P/L	SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
									FUSE SIZE		INTERLOCKS		PILOT DEVICES: LED 30 mm **					

MCC NAMEPLATE – MCC–A
(BLACK SURFACE/WHITE LETTERS)

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC–A**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	UNIT INFORMATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**IQ–4020102–115613094–01**

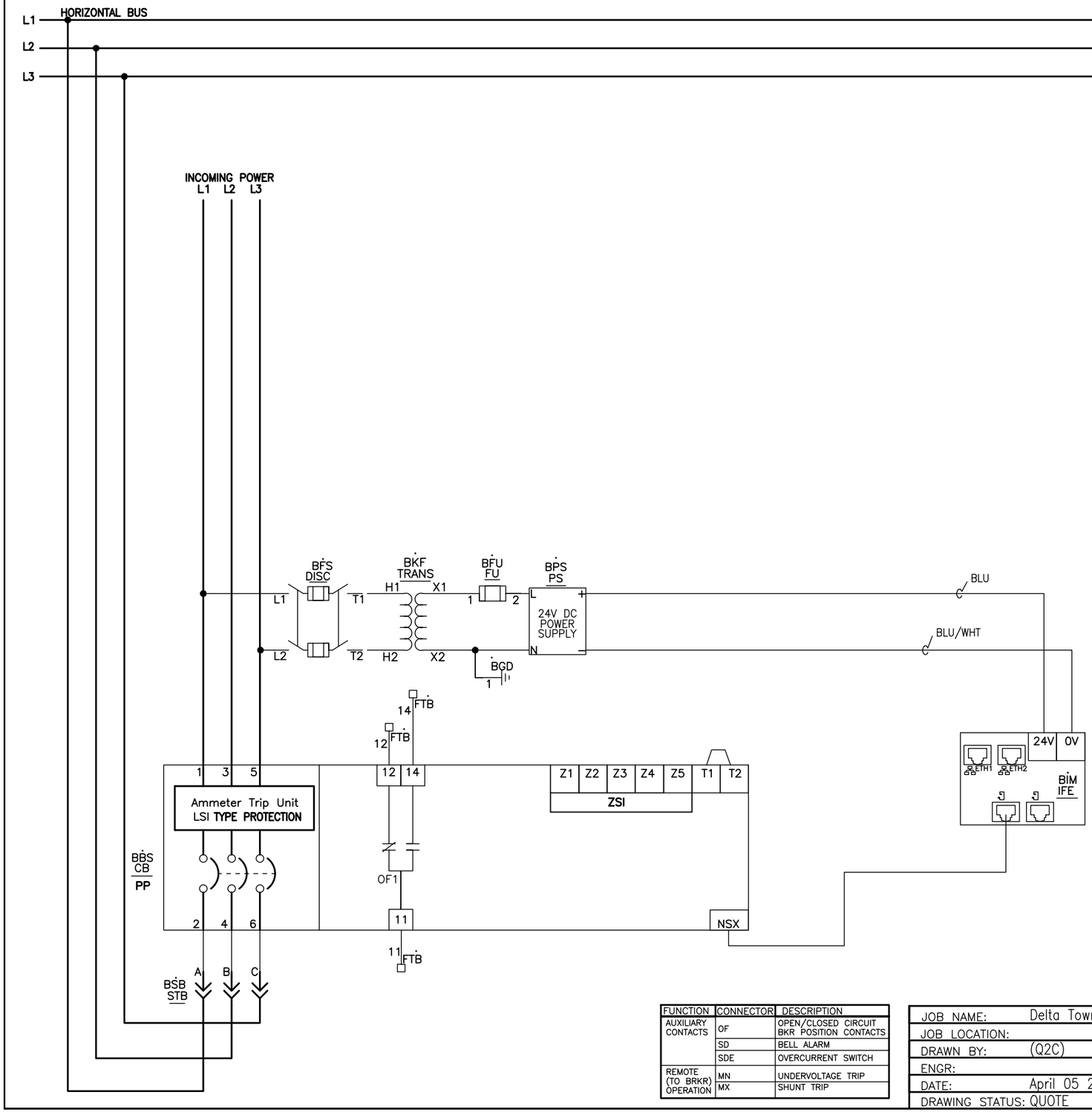
REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	FUSE SIZE PRI	FUSE SIZE SEC	INTERLOCKS NO	INTERLOCKS NC	PILOT DEVICES: LED 30 mm ** ON LIGHT	PILOT DEVICES: LED 30 mm ** OFF LIGHT	PILOT DEVICES: LED 30 mm ** ADDL P/L	PILOT DEVICES: LED 30 mm ** SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
2C	VALVE ACTUATOR NO. 2,1	6" BRANCH BKR			HJ 150	**30**											(1) 14-3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115613094-0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
2E	VALVE ACTUATOR NO. 2,1	6" BRANCH BKR			HJ 150	**30**											(1) 14-3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115613094-0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
2G	VALVE ACTUATOR NO. 2,1	6" BRANCH BKR			HJ 150	**30**											(1) 14-3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115613094-0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
2I	EF-1	6" BRANCH BKR			HJ 150	**20**											(1) 14-3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115613094-0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
2K		SPACE																
2W		SPACE																
UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	PRI	SEC	NO	NC	ON LIGHT	OFF LIGHT	ADDL P/L	SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
									FUSE SIZE		INTERLOCKS		PILOT DEVICES: LED 30 mm **					

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-A
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	UNIT INFORMATION
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	IQ-4020102-115613094-01

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	-----	--	--/--/--
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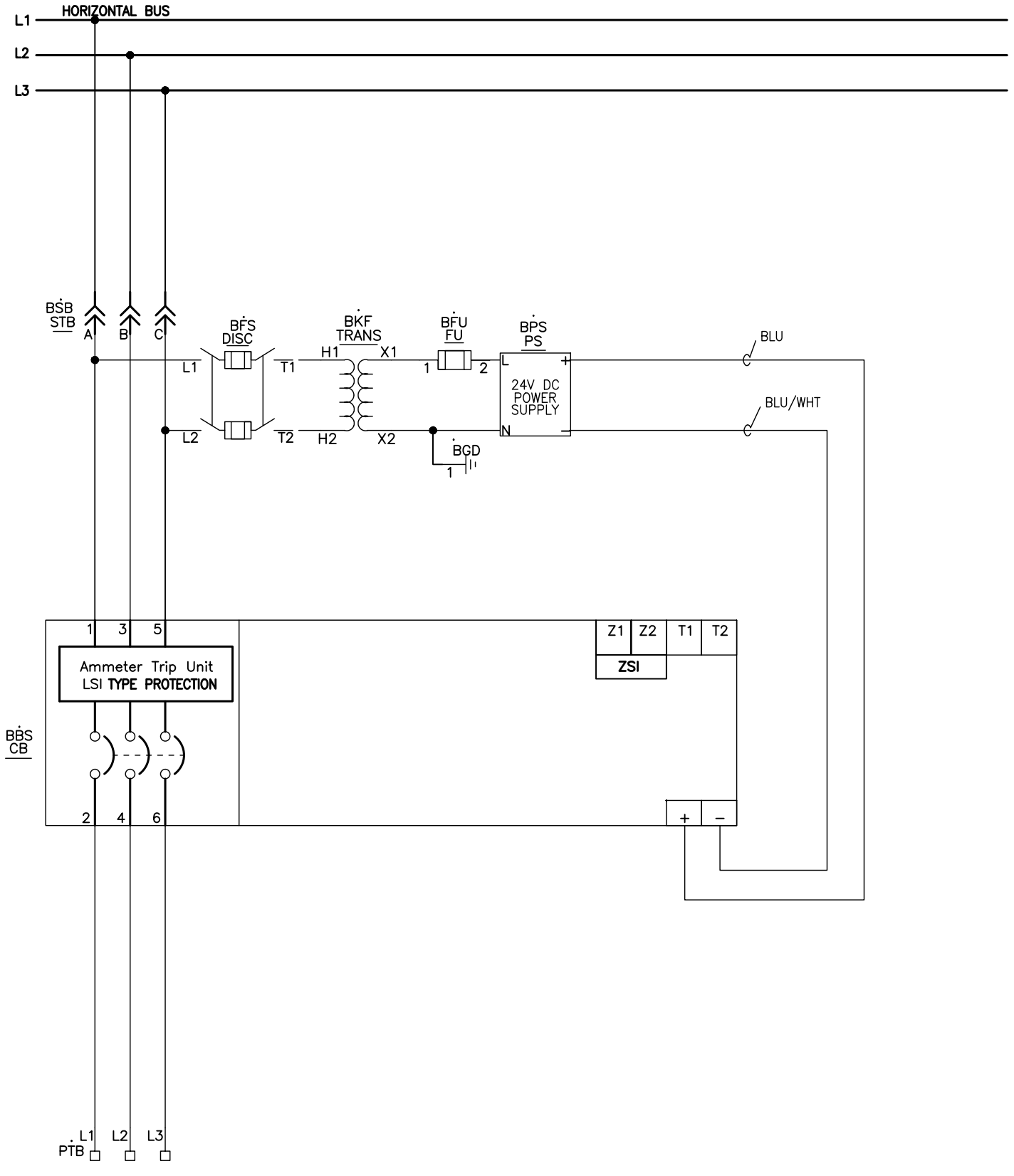


FUNCTION	CONNECTOR	DESCRIPTION
AUXILIARY CONTACTS	OF	OPEN/CLOSED CIRCUIT BKR POSITION CONTACTS
	SD	BELL ALARM
	SDE	OVERCURRENT SWITCH
REMOTE (TO BRKR) OPERATION	MN	UNDERVOLTAGE TRIP
	MX	SHUNT TRIP

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-A**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**EQ-4020102-115613094-01** PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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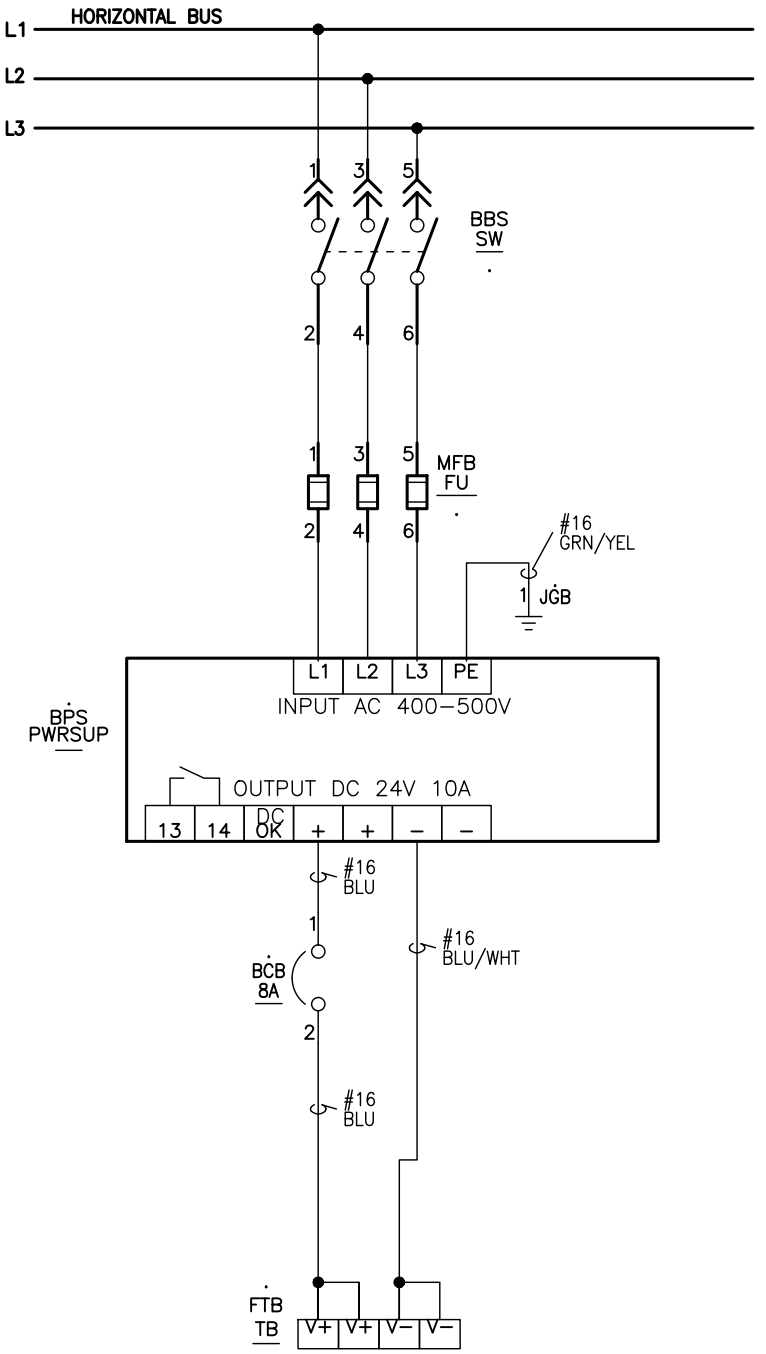
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-A
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115613094-02	PG 1 OF 1 REV –

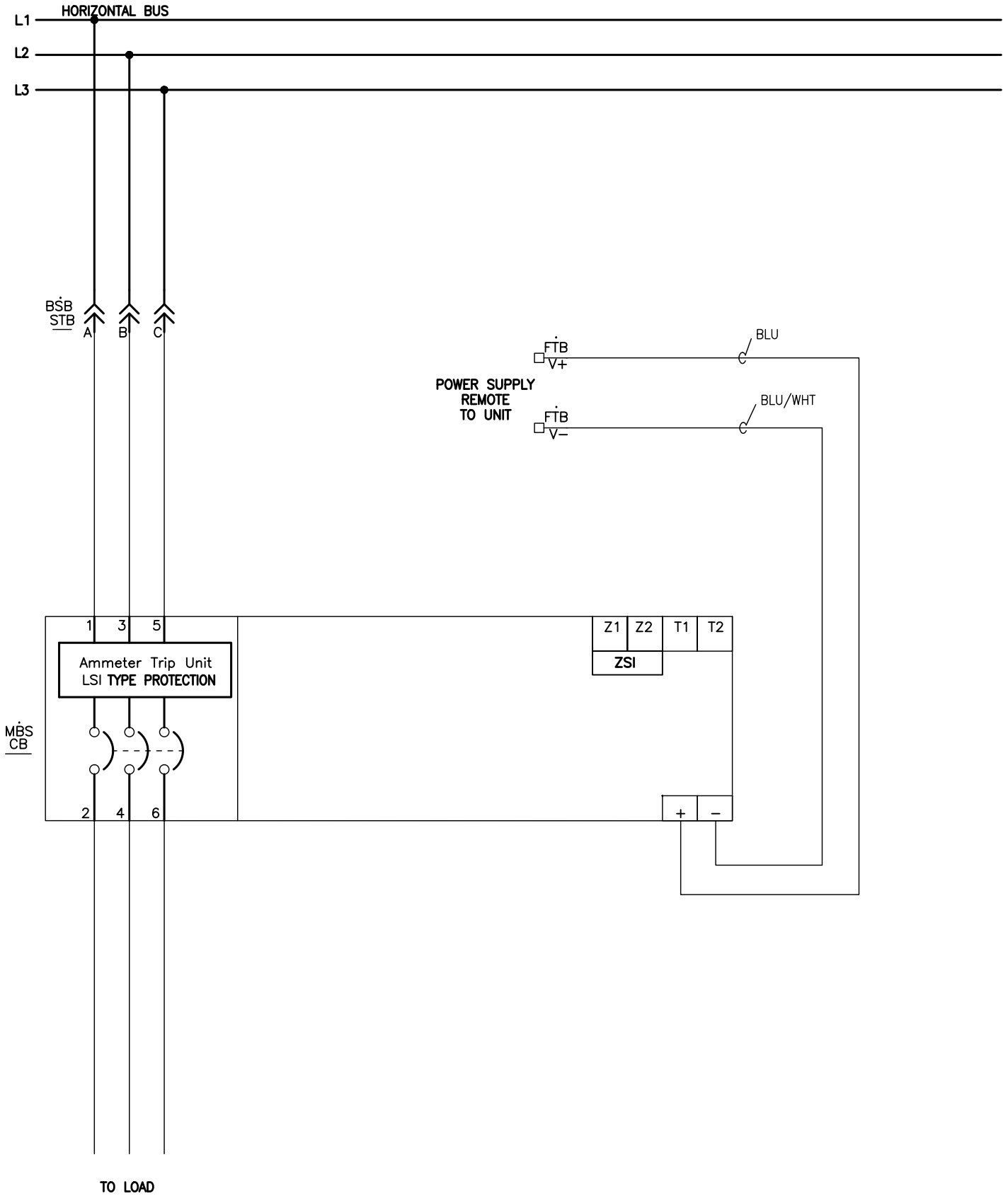
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WM



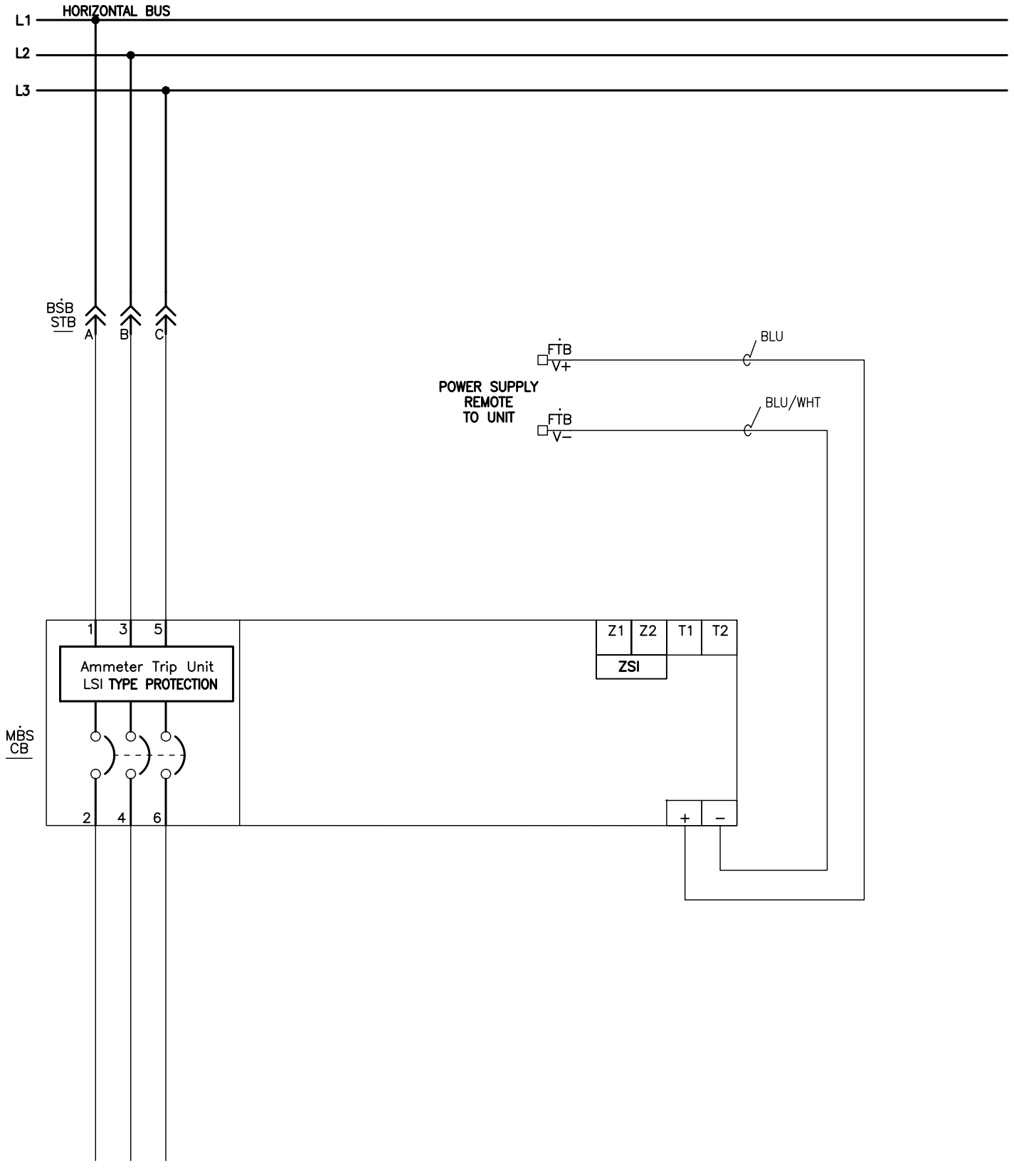
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JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115613094-03	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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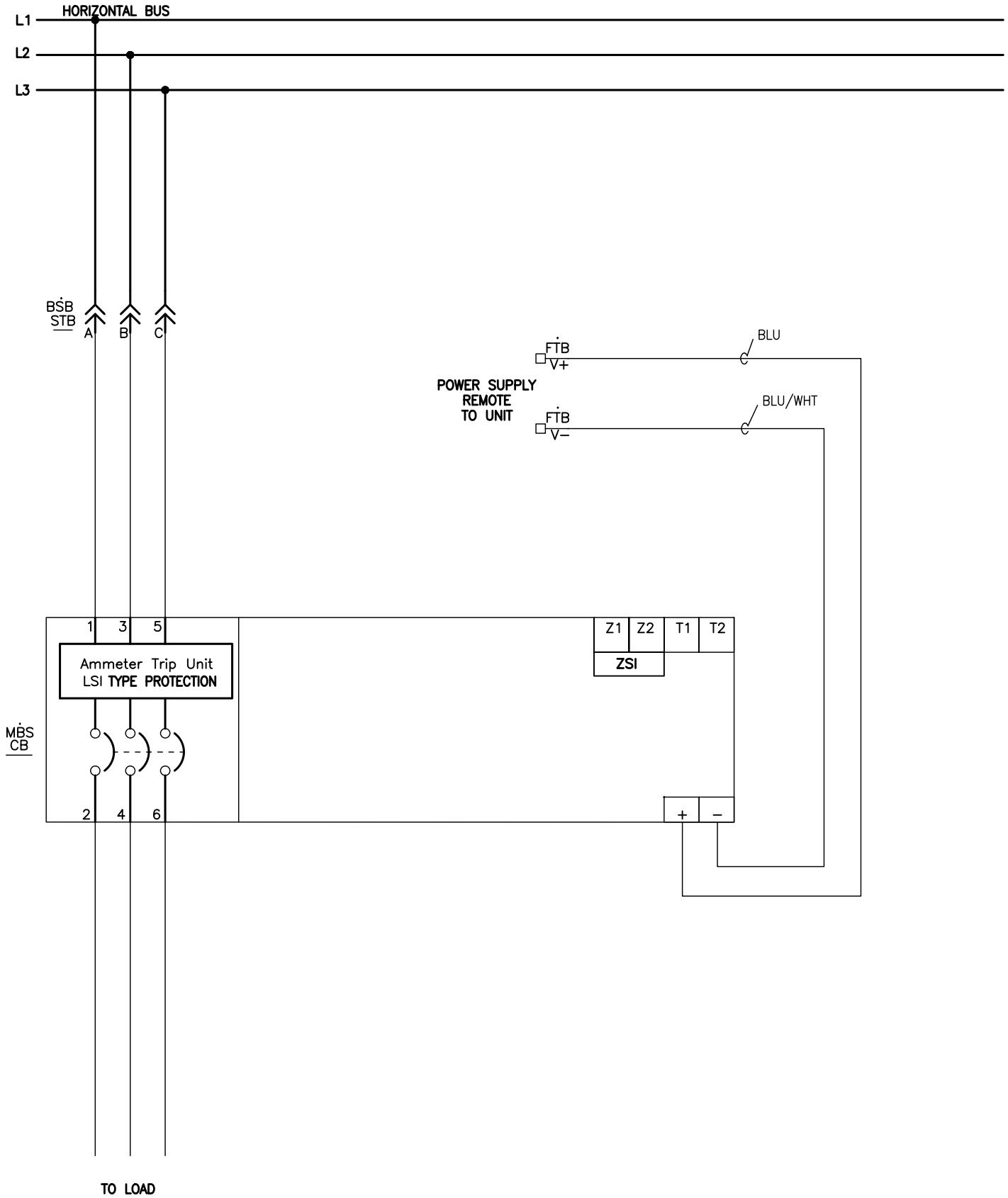
JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-A
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115613094-04	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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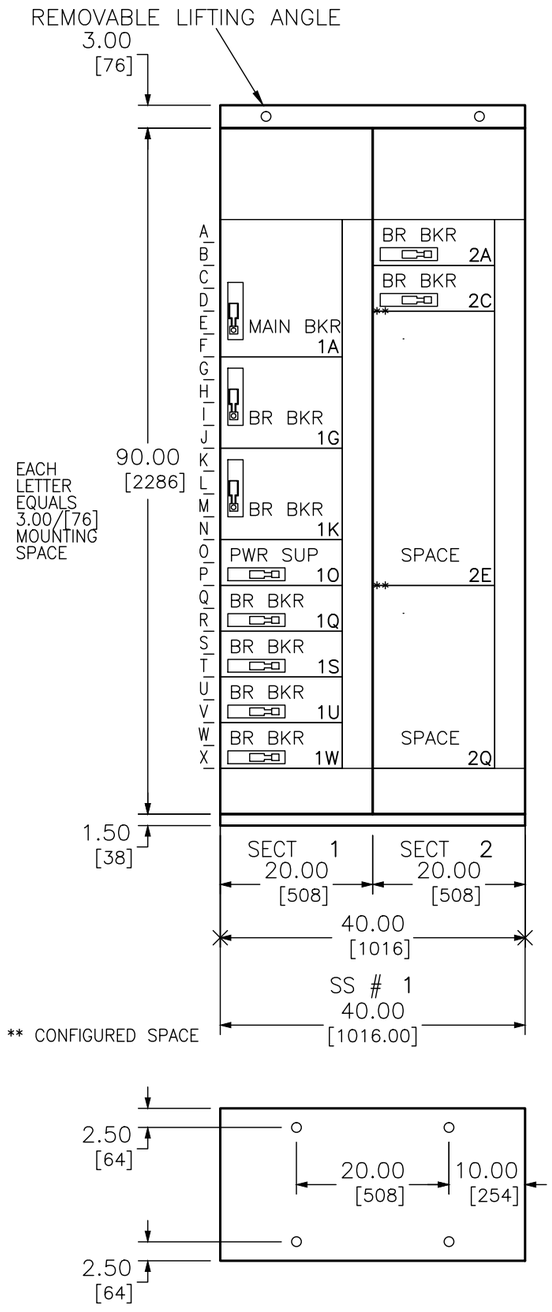
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JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115613094-05	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-A
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115613094-06	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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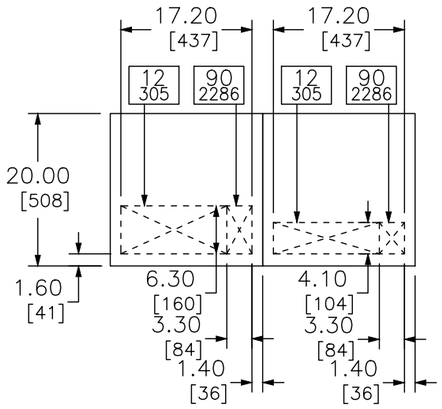


ANCHOR DETAIL

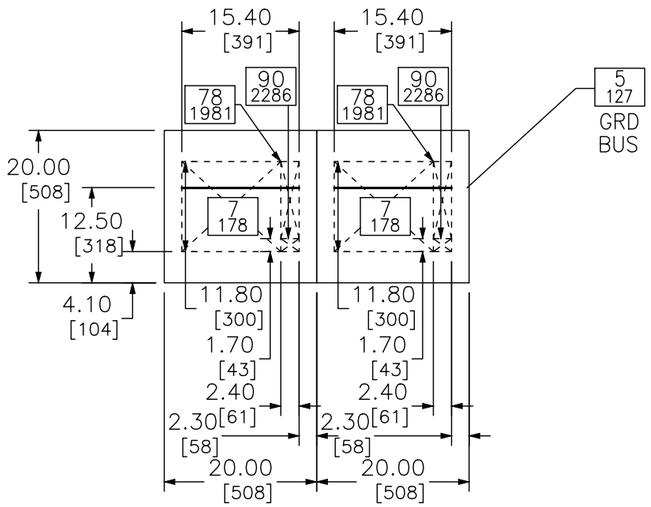
ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-B**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **FQ-4020102-115629727-01**	PG 1 OF 3 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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TOP VIEW



FLOOR VIEW

CROSSED AREA REPRESENTS CONDUIT ENTRY AREA. NUMBERS IN BOXES INDICATE VERTICAL CLEARANCE TO NEAREST OBSTRUCTION.

ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-B**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **FQ-4020102-115629727-01**	PG **2** OF **3** REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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GENERAL NOTES

Class 2 Type B Wiring

PRODUCT DESCRIPTION AND RATINGS

POWER SYSTEM DATA:

480V 3PH 3W 60Hz
SHORT CIRCUIT RATING: 65kA
POWER ENTERS: Main Breaker Top Section 1
CONTROL POWER: 120Vac

BUS SYSTEM DATA:

MAIN HORIZONTAL BUS: 600 Amp Tin Plated Copper
BUS BRACING: 65kA
VERTICAL BUS: 300 Amp Tin Plated Copper
HORIZONTAL GROUND BUS: 600 Amp Tin Plated Copper
Units Securely Grounded To Structure

ENCLOSURE DATA:

ENCLOSURE TYPE: 20" DEEP Type 12
EXTERIOR COLOR: Electrodeposition Finish ANSI 49 Medium Light Grey
INTERIOR COLOR: Electrodeposition Finish White
REMOVABLE 3" [76mm] LIFTING ANGLE

STRUCTURE MODIFICATIONS:

Rodent Barriers 1,2
Manual Bus Shutters 1,2
Premium Barrier System 1,2
600A Vertical Bus 1
Copper Vertical Ground Bus 1,2
Wire Retainers 1,2
Equipment Nameplate 1

EQUIPMENT WEIGHT:

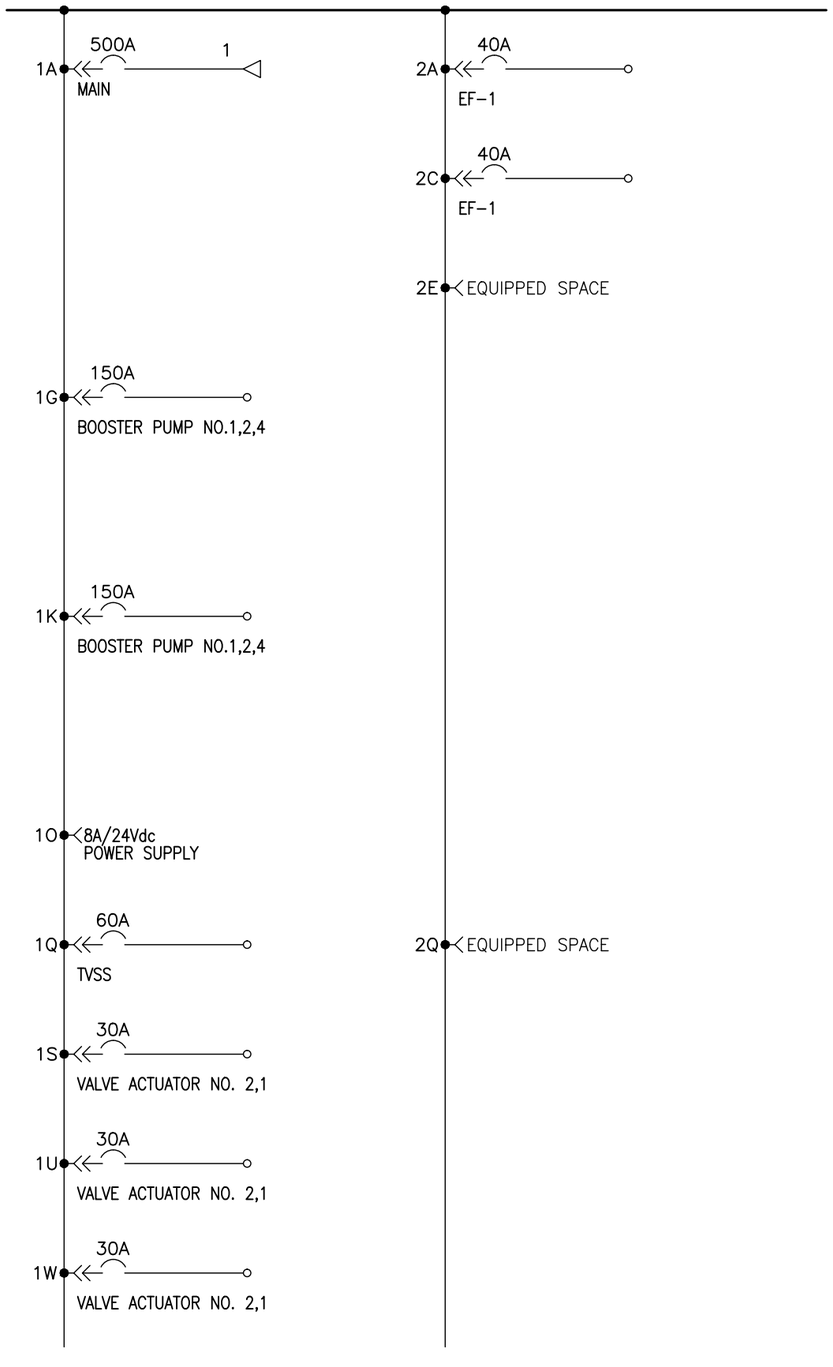
SHIPPING SPLIT # 1: 1500.00 Lbs. (680.40 Kg.)
TOTAL LINEUP WEIGHT (APPROX): 1500.00 Lbs. (680.40 Kg.)

PRODUCT ACCESSORIES:

Stainless Steel N/P Screws
Bottom Closing Plates

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-B**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# **FQ-4020102-115629727-01**	PG 3 OF 3 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC-B**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ONE LINE DIAGRAM
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**0Q-4020102-115629727-01** PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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UNIT LOC	UNIT NAMEPLATES (BLACK SURFACE/WHITE LETTERS)	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	FUSE SIZE PRI	FUSE SIZE SEC	INTERLOCKS NO	INTERLOCKS NC	PILOT DEVICES: LED 30 mm ** ON LIGHT	PILOT DEVICES: LED 30 mm ** OFF LIGHT	PILOT DEVICES: LED 30 mm ** ADDL P/L	PILOT DEVICES: LED 30 mm ** SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
1A	MAIN	MAIN BKR			LJ 600	**500**											(2) 2/0–500KCMIL WIRES/PH, 24VDC TRIP UNIT PWR SUPP, 80% RATED, AL MECH LUG AL/CU CABLE,	EQ–4020102–115629727–0
																	COMMS UNWIRED ETHERNET MODBUS TCP, ELECTRONIC AMMETER TRIP UNIT, INT INTLK 1A/1B FORM C, LSI TRIP FUNCTION,	
																	SILVER PLATED STABS, STD WIRE LABELS, UL SERVICE ENT LABEL	
1G	BOOSTER PUMP NO.1,2,4	BRANCH BKR			HJ 150	**150**											(1) 14–2/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115629727–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1K	BOOSTER PUMP NO.1,2,4	BRANCH BKR			HJ 150	**150**											(1) 14–2/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115629727–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1O		POWER SUPPLY															#16 AWG MTW CONTROL WIRE, SILVER PLATED STABS, STD WIRE LABELS	EQ–4020102–115629727–0
1Q	TVSS	6" BRANCH BKR			HJ 150	**60**											(1) 14–3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115629727–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1S	VALVE ACTUATOR NO. 2,1	6" BRANCH BKR			HJ 150	**30**											(1) 14–3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115629727–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
1U	VALVE ACTUATOR NO. 2,1	6" BRANCH BKR			HJ 150	**30**											(1) 14–3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ–4020102–115629727–0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	PRI	SEC	NO	NC	ON LIGHT	OFF LIGHT	ADDL P/L	SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
									FUSE SIZE		INTERLOCKS		PILOT DEVICES: LED 30 mm **					

MCC NAMEPLATE – MCC–A
(BLACK SURFACE/WHITE LETTERS)

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	**MCC–B**
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	UNIT INFORMATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	**IQ–4020102–115629727–01**

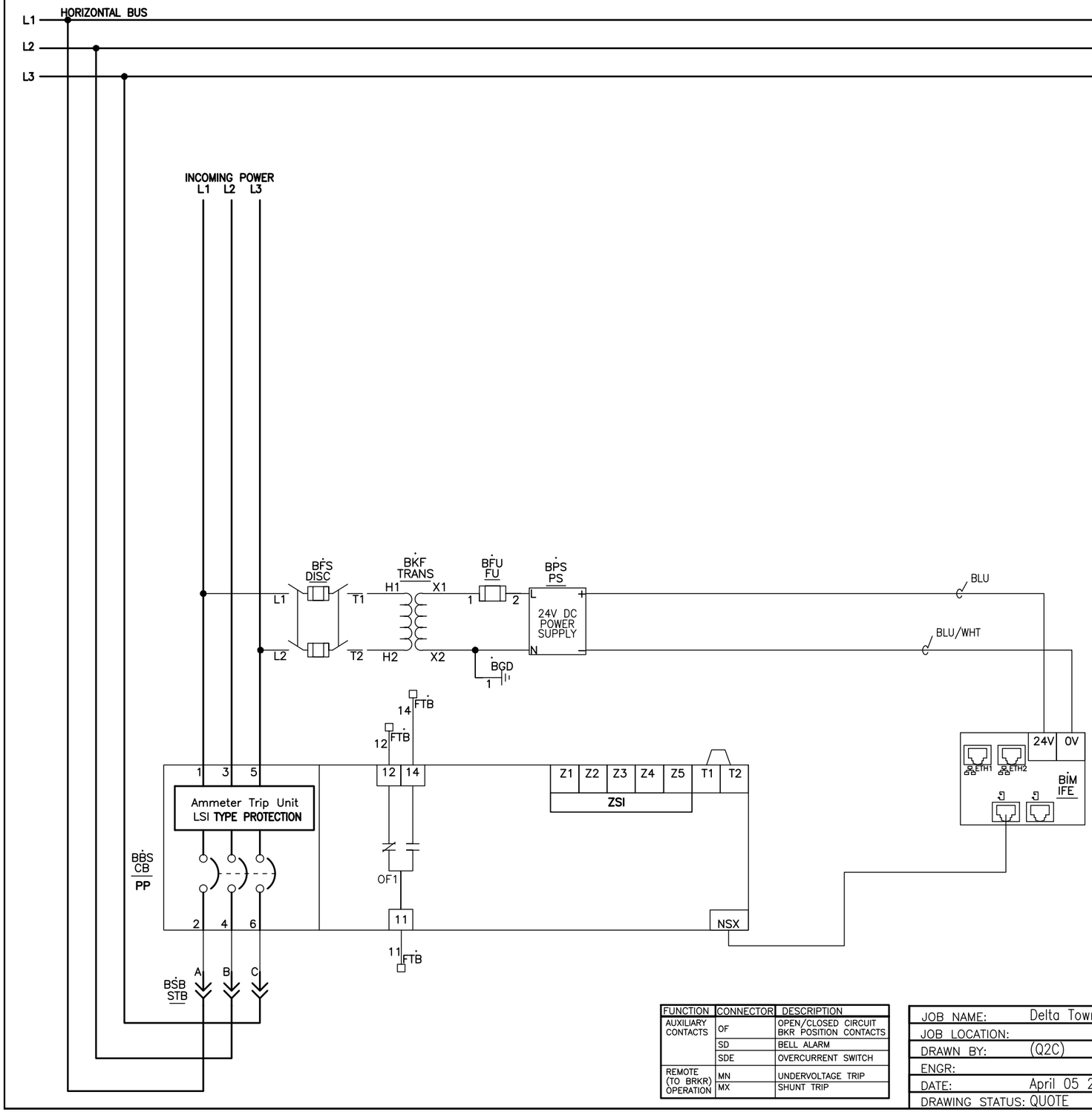
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UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	FUSE SIZE PRI	FUSE SIZE SEC	INTERLOCKS NO	INTERLOCKS NC	PILOT DEVICES: LED 30 mm ** ON LIGHT	PILOT DEVICES: LED 30 mm ** OFF LIGHT	PILOT DEVICES: LED 30 mm ** ADDL P/L	PILOT DEVICES: LED 30 mm ** SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
1W	VALVE ACTUATOR NO. 2,1	6" BRANCH BKR			HJ 150	**30**											(1) 14-3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115629727-0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
2A	EF-1	6" BRANCH BKR			HJ 150	**40**											(1) 14-3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115629727-0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
2C	EF-1	6" BRANCH BKR			HJ 150	**40**											(1) 14-3/0AWG WIRE/PH, 80% RATED, AL MECH LUG AL/CU CABLE, ELECTRONIC AMMETER TRIP UNIT,	EQ-4020102-115629727-0
																	LSI TRIP FUNCTION, SILVER PLATED STABS, T/M BKR	
2E		SPACE																
2Q		SPACE																
UNIT LOC	UNIT NAMEPLATES	UNIT TYPE	SIZE	HP	FRAME AMPS	TRIP AMPS	CONTROL SOURCE	VA	PRI	SEC	NO	NC	ON LIGHT	OFF LIGHT	ADDL P/L	SS / PB	OTHER UNIT FEATURES	ELEMENTARY #
									FUSE SIZE		INTERLOCKS		PILOT DEVICES: LED 30 mm **					

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-B
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	UNIT INFORMATION
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	IQ-4020102-115629727-01

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	-----	--	--/--/--
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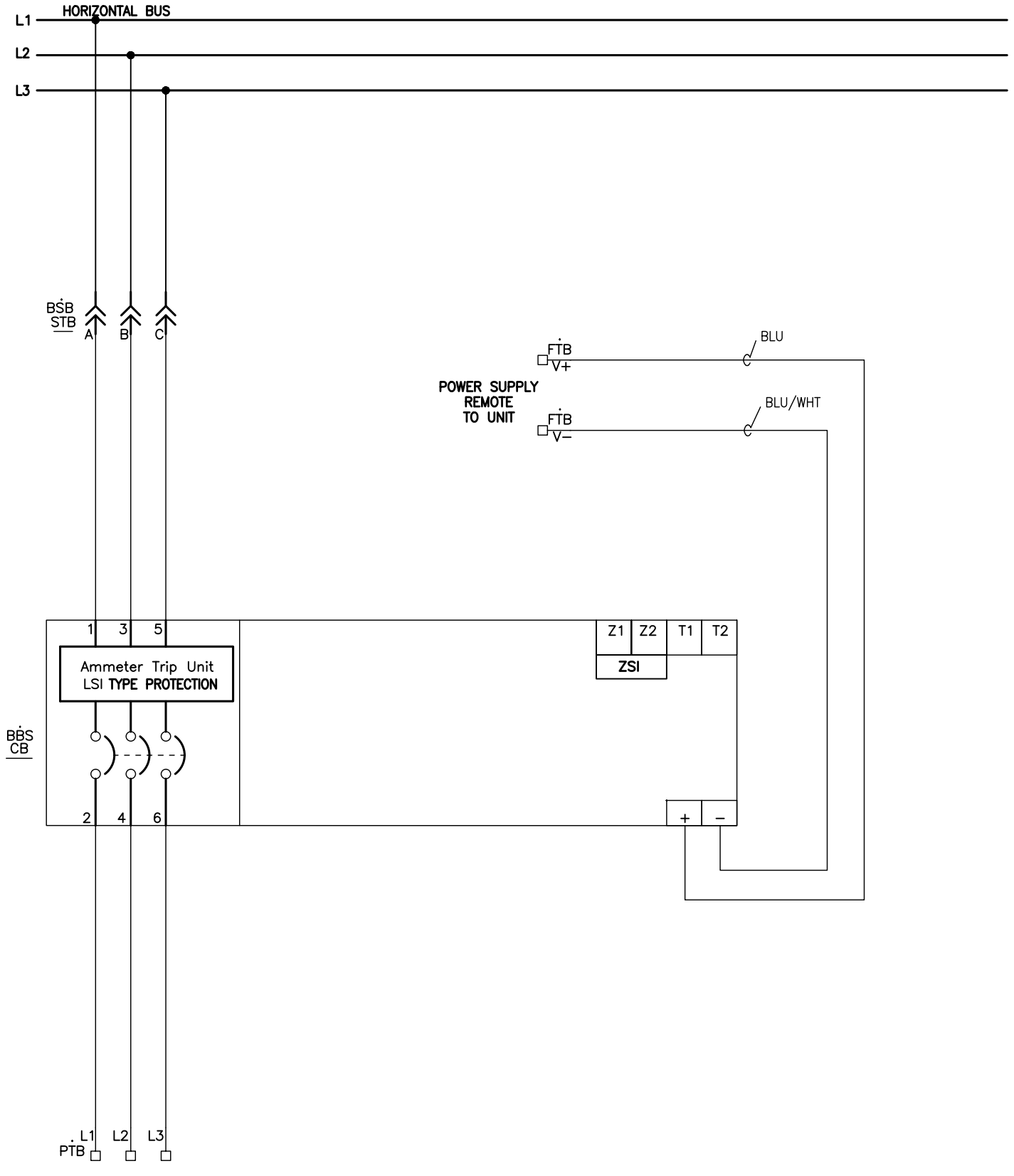


FUNCTION	CONNECTOR	DESCRIPTION
AUXILIARY CONTACTS	OF	OPEN/CLOSED CIRCUIT BKR POSITION CONTACTS
	SD	BELL ALARM
	SDE	OVERCURRENT SWITCH
REMOTE (TO BRKR) OPERATION	MN	UNDERVOLTAGE TRIP
	MX	SHUNT TRIP

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-B
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG#	EQ-4020102-115629727-01

PG 1 OF 1 REV –

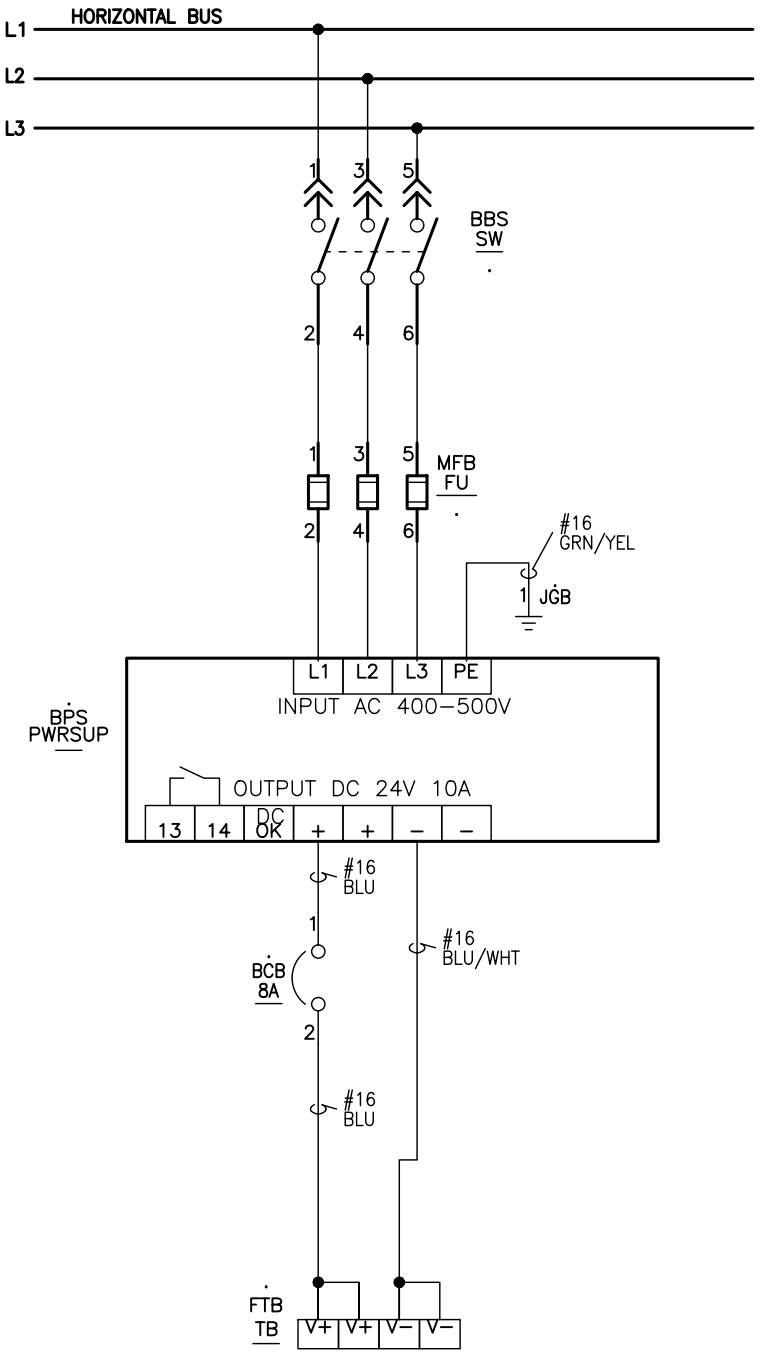
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-B
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115629727-02	PG 1 OF 1 REV –

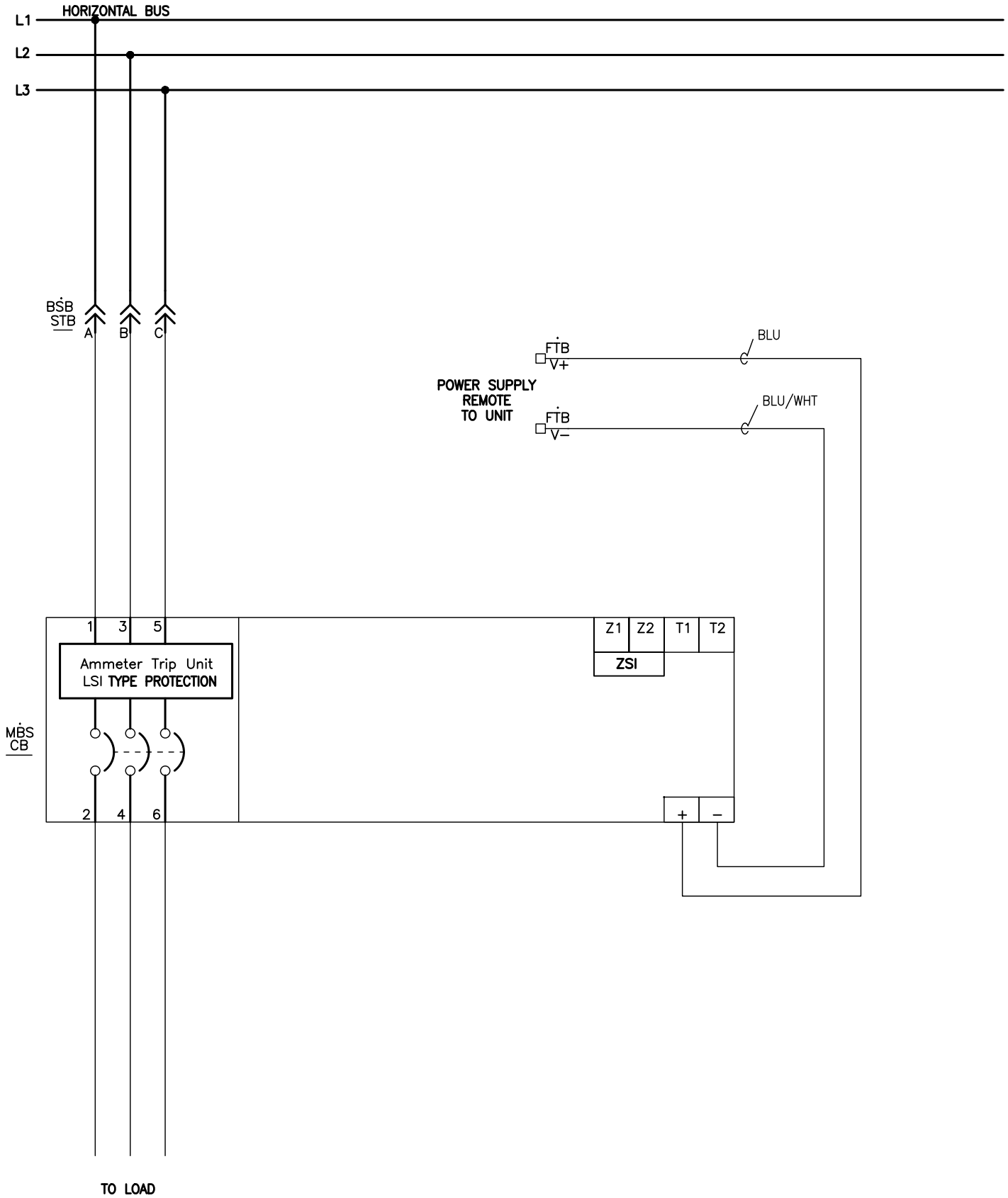
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WM



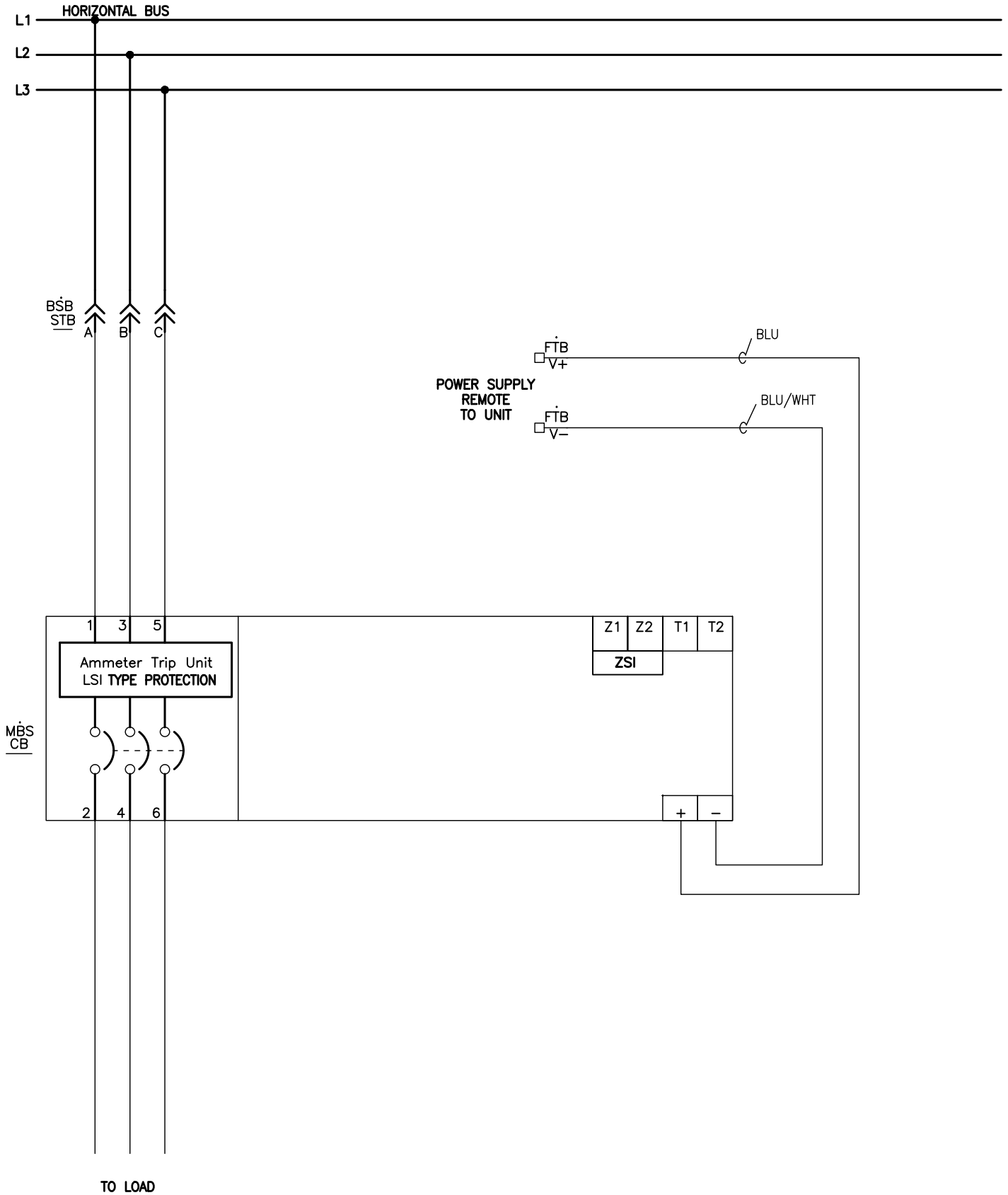
JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC–B
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ–4020102–115629727–03	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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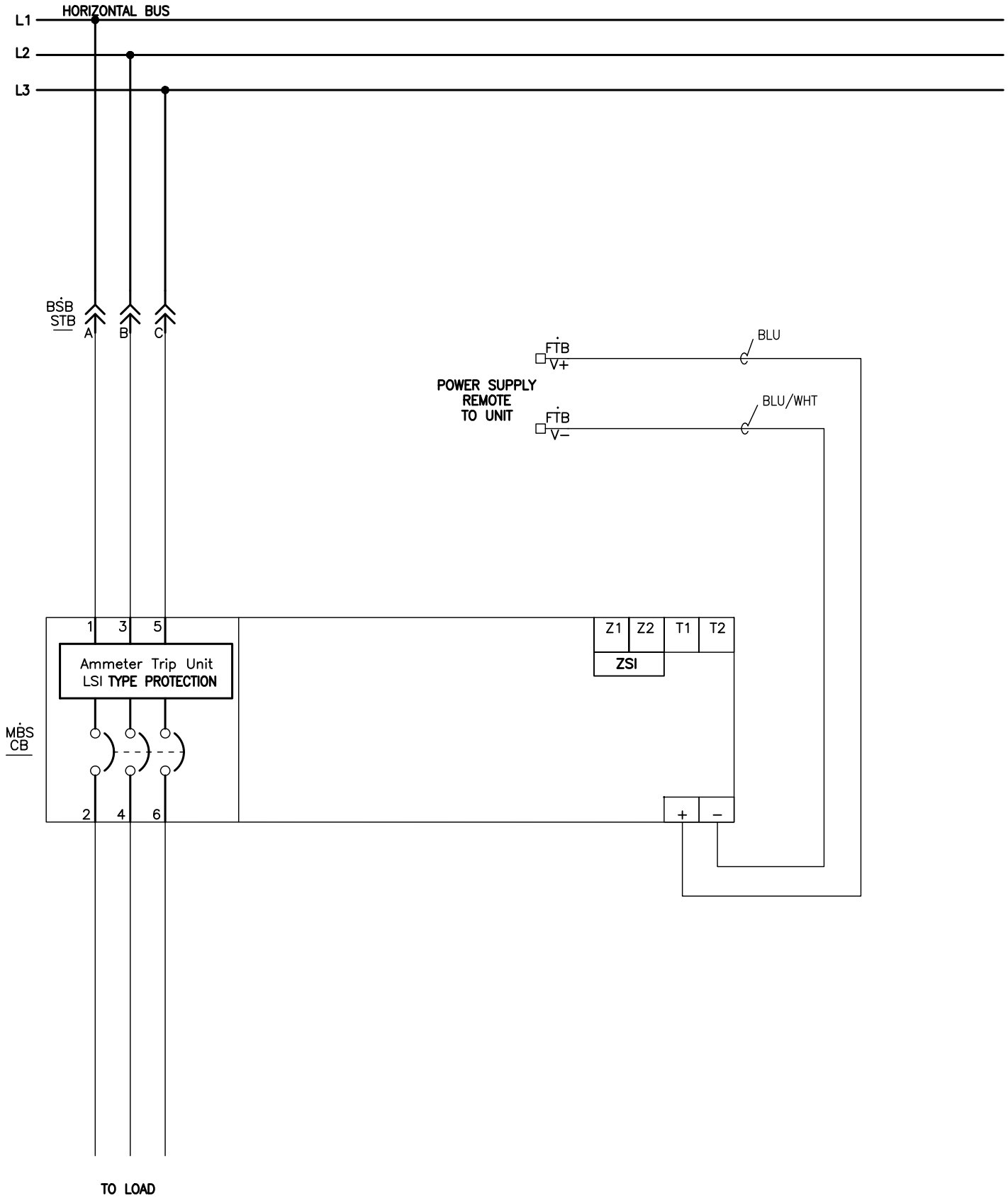
JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-B
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115629727-04	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-B
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115629727-05	PG 1 OF 1 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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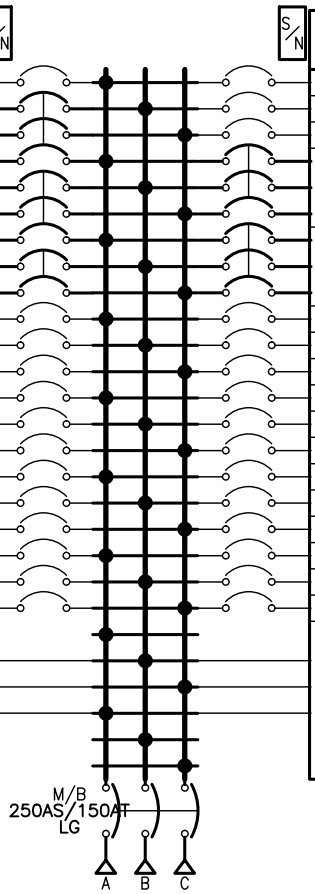
JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	MCC-B
JOB LOCATION:		EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# EQ-4020102-115629727-06	PG 1 OF 1 REV –

This Section Contains Products: Panelboards

Seq #	Qty	Product Description
5	1	**Designation :** LP-A1 **Product Details:** 1-NQ MB PNLB (INT ENCL)-NQ Panelboard Consisting of 208Y/120V 3Ph 4W 60Hz SCCR: 10kA Fully Rated SPD 120kA per Phase/60kA per Mode SPD line to grd protect w/SPD Surge Counter w/SPD Dry Contacts Single Main: 250AS/150AT/3P LG Circuit Breaker 80% Rated Main Trip Function: LI Main Trip Unit: Standard Trip Unit Incoming Conductors: 1 - #2-500(Al), #2-600(Cu) kcmil Bus: 400A Rated Copper: Silver/Tin Plated CU Ground Bar 54 Circuit Interior Type 3R VentedBox: 74H x 26W x 8.75D Incoming: Bottom Trim w/ Box Box Cat No: MH74D9VWP Ref. Drawing: PBA755T Feeders: 4 - 20A/1P QOB-GFI 4 - 40A/3P QOB 1 - 30A/2P QOB 4 - 30A/1P QOB 20 - 20A/1P QOB Optional Features: Ship Completely Assembled,Copper Solid Neutral,SPD Model SBA,Copper Ground Bar Branch User Placement Estimated days to ship, excluding transit: 105 working days after customer release to manufacturer. See Conditions of Sale.

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
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CKT NO	ACCESSORIES	TYPE	RATING AMP/P	S/N
1		QOB–GFI	20/1	
3		QOB	40/3	
5				
7				
9		QOB	40/3	
11				
13				
15		QOB	30/2	
17				
19		QOB	30/1	
21		QOB	30/1	
23		QOB	20/1	
25		QOB	20/1	
27		QOB	20/1	
29		QOB	20/1	
31		QOB	20/1	
33		QOB	20/1	
35		QOB	20/1	
37		QOB	20/1	
39		QOB	20/1	
41		QOB	20/1	
	Surge Counter Dry Contacts	SPD 120kA/3		



S/N	RATING AMP/P	TYPE	ACCESSORIES	CKT NO
	20/1	QOB–GFI		2
	20/1	QOB–GFI		4
	20/1	QOB–GFI		6
	40/3	QOB		8
				10
				12
	40/3	QOB		14
				16
				18
	30/1	QOB		20
	30/1	QOB		22
	20/1	QOB		24
	20/1	QOB		26
	20/1	QOB		28
	20/1	QOB		30
	20/1	QOB		32
	20/1	QOB		34
	20/1	QOB		36
	20/1	QOB		38
	20/1	QOB		40
	20/1	QOB		42
		SPD 120kA/3	Surge Counter Dry Contacts	

PHYSICAL DATA

ENCLOSURE Type 3R Vented
BOX CAT#: MH74D9VWP
DIMENSIONS:
74''(1880mm)Hx26"(660mm)Wx8.75''(222mm)D
WIRE BENDING SPACE:
TOP – 12.25"(312)mm
BOTTOM – 15.24"(388)mm
SIDE – 5.9"(150)mm
PBA: 755T
BUSSING: 400A RATED COPPER BUS
Silver/Tin Plated
OPTIONAL FEATURES:
SHIP COMPLETELY ASSEMBLED
BRANCH USER PLACEMENT
Copper GROUND BAR
COPPER SOLID NEUTRAL
SPD DRY CONTACTS
(Continued on next page.)

ELECTRICAL DATA

SYSTEM: 208Y/120V 3Ph 4W 60Hz
System Ampacity: 200A
10kA SYMS. SCCR
Fully Rated
MAIN: MAIN BREAKER LG 250AS/150AT
ACC: STD LI
Bottom FEED
65kA AIR
INCOMING CONDUCTORS(S) PER NEC, CEC, NOM:
Wire Bending Space:
Phase Lugs:1 – #2–500(Al), #2–600(Cu) kcmil

----------BRANCH SUMMATION----------

4 – 20A/1P QOB–GFI
1 – 30A/2P QOB
20 – 20A/1P QOB
4 – 40A/3P QOB
4 – 30A/1P QOB

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	LP-A1
JOB LOCATION:		EQUIPMENT TYPE:	NQ (Circuit Breaker Type) PANEL 1 OF 1
DRAWN BY:	(Q2C)	DRAWING TYPE:	ONE LINE DIAGRAM
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# OQ-4020102-115588576-01	PG 1 OF 2 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--
–	----	--	--/--/--	–	----	--	--/--/--

PHYSICAL DATA CONTINUED

SPD SURGE COUNTER
SPD PEAK SURGE RATING/PHASE: 120kA
SPD LINE TO GRD PROTECT

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	LP-A1
JOB LOCATION:		EQUIPMENT TYPE:	NQ (Circuit Breaker Type) PANEL 1 OF 1
DRAWN BY:	(Q2C)	DRAWING TYPE:	ONE LINE DIAGRAM
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# OQ-4020102-115588576-01	PG 2 OF 2 REV –

This Section Contains Products: Low Voltage Transformers

Seq #	Qty	Product Description
14	1	**Designation :** T-45KVA **Product Details:** 1-EXN45T3H-TRANSFORMER DRY TYPE 45KVA 480D208Y AL-1 Transformer Type: DOE 2016 EX or EXN Transformer Rating: 45kVA Transformer Phase: Three Phase Primary Voltage: 480V Delta Secondary Voltage: 208Y/120V Transformer Taps: 6 - 2.5% 2+4- Taps Frequency: 60Hz Transformer Winding Material: Aluminum Sound Level: 39DB Insulation & Temperature: Class 220 (H), 150 Deg C Enclosure Material: Standard Painted ANSI 49 Grey UL Labeled Primary Lug Kits: DASKP100 Secondary Lug Kits: DASKGS250 1-DASKP100-LUG KIT 1-DASKGS250-MECHANICAL LUG KITS

This Section Contains Products: Drives

Seq #	Qty	Product Description
31	5	**Designation :** BOOSTER PUMP P-1 THRU 5

Product Details:
5-ATV660D55T4N2AMWBBGHLXEP202EP217E+-Altivar 660
ATV660D55T4N2AMWBBGHLXEP202EP217EP250EP254EP
273EP279EP280-SPL
Designation: BOOSTER PUMP P-1 THRU 5
Main circuit breaker disconnect
100k AIC rated
Selected for 460 Vac 3 phase motor
75 Horsepower
Sized for Normal duty.
Drive controller rated for 106 Max Output Amps
Type 12 Enclosure
UL508A Label
RAL7035 (Gray)
Power Circuit W: Drive combination package
Dv/Dt Motor Filter
Control options:
EP202 - Drive Reset Push Button
Hand-Off-Auto selector switch
Start/Stop push buttons
Speed Potentiometer
Pilot light options:
Power on pilot light (red)
Run PTT pilot light (green)
Trip PTT pilot light (yellow)
Auxiliary contacts:
1 NO/NC run contact
1 NO/NC trip contact
Ethernet IP Communications Card
Harmonic Filter - M09
EP250- Power up ON delay timer
Output Filter
EP254- 24Vdc 300mA power supply
EP273 - Additional 250VA control power
EP279- Motor Over Temperature Logic input
with Pilot Light
EP280- Enclosure vent fan shutdown
H14 - Transient voltage suppressor TYPE 2 SPD
80K
This device contains selected features that
require factory engineered configurations.
Standard published lead times no longer
apply. Enclosure dimensions are subject to
change.
Revision - 4/4/2023 - (20230312/20230312)
4/4/2023 7:58:44 PM
Custom engineered features as identified by
TAG number T100.
TIME MARK C259
PHASE MONITIOR
Custom engineered features as identified by
TAG number T100.
STRATIX 2000 SWITH
WITH FIBERSFP
Custom engineered features as identified by
TAG number T100.
TEMP TRANSMITTER
FOR ENCLOSURE TEMP
MOORE INDUSTRIES
Custom engineered features as identified by
TAG number T100.
COMPLY WITH DWG
E-201, E-202

Estimated days to ship, excluding transit: 150 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
33	1	**Designation :** Spare Drive **Product Details:** ATV630D55N4-ATV630 TYPE1 460V 75 HP Estimated days to ship, excluding transit: 100 working days after customer release to manufacturer. See Conditions of Sale.

This Section Contains Products: Circuit Breakers

Seq #	Qty	Product Description
1	1	**Designation :** MAIN BREAKER

Product Details:
1-PJL36080U64AE1-MOLDED CASE CIRCUIT BREAKER 600V 800A
PJL36080U64AE1
UL/CSA Rated
PowerPact P Frame
Termination: Lugs Line/Load Side
3 Pole Device
600 Vac Rated
800 Amp Capacity
80% Rated - Standard rated
Interrupting Rating
100kA @ 240Vac/65kA @ 480Vac/25kA @ 600Vac
Micrologic Power Trip Unit - LSIG
UL Rating Plug A
Modbus Communications
Revision - 4/3/2023 - (S20230310/S20230310)
4/3/2023 7:03:45 PM
Source -Selector
1-P1200AWK-TYPE 12 ENCLOSURE FOR PG PJ CIRCUIT BRE
1-SN1200-NEUTRAL ASSEMBLY INSULATE GROUNDABLE KIT
1-PKOGTA4-HDSS EQUIPMENT GROUND ASSY

Estimated days to ship, excluding transit: 15 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
15	1	**Designation :** B9 20A E-303

Product Details:
1-BJL36020-MOLDED CASE CIRCUIT BRKR 600Y/347V 20A
BJL36020
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
20 Amp Capacity
3 Pole Device
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
100kA @ 240Vac/65kA @ 480Vac/25kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 4:41:59 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
16	1	**Designation :** VALVE ACTUATOR NO2

Product Details:
1-BGL36030-MOLDED CASE CIRCUIT BRKR 600Y/347V 30A
BGL36030
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
3 Pole Device
30 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
65kA @ 240Vac/35kA @ 480Vac/18kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 4:58:59 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
17	1	**Designation :** VALVE ACTUATOR NO.1 **Product Details:** 1-BGL36030-MOLDED CASE CIRCUIT BRKR 600Y/347V 30A BGL36030 UL/CSA Rated B Frame Termination: Lugs Line/Load Side 3 Pole Device 30 Amp Capacity 600 Vac Rated 80% Rated - Standard rated Interrupting Rating 65kA @ 240Vac/35kA @ 480Vac/18kA @ 600Vac Revision - 4/4/2023 - (S20230310/S20230310) 4/4/2023 4:59:34 PM Source -Selector 1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
18	1	**Designation :** VALVE ACTUATOR NO.3 **Product Details:** 1-BGL36030-MOLDED CASE CIRCUIT BRKR 600Y/347V 30A BGL36030 UL/CSA Rated B Frame Termination: Lugs Line/Load Side 3 Pole Device 30 Amp Capacity 600 Vac Rated 80% Rated - Standard rated Interrupting Rating 65kA @ 240Vac/35kA @ 480Vac/18kA @ 600Vac Revision - 4/4/2023 - (S20230310/S20230310) 4/4/2023 5:34:17 PM Source -Selector 1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
19	1	**Designation :** UNIT HEATER NO.3 **Product Details:** 1-BGL36030-MOLDED CASE CIRCUIT BRKR 600Y/347V 30A BGL36030 UL/CSA Rated B Frame Termination: Lugs Line/Load Side 3 Pole Device 30 Amp Capacity 600 Vac Rated 80% Rated - Standard rated Interrupting Rating 65kA @ 240Vac/35kA @ 480Vac/18kA @ 600Vac Revision - 4/4/2023 - (S20230310/S20230310) 4/4/2023 5:33:20 PM Source -Selector 1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description

Seq #	Qty	Product Description
20	1	**Designation :** EXISTING UNIT HEATER NO.2

Product Details:
1-BGL36030-MOLDED CASE CIRCUIT BRKR 600Y/347V 30A
BGL36030
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
3 Pole Device
30 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
65kA @ 240Vac/35kA @ 480Vac/18kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 5:33:58 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
21	1	**Designation :** UNIT HEATER NO.1

Product Details:
1-BGL36030-MOLDED CASE CIRCUIT BRKR 600Y/347V 30A
BGL36030
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
3 Pole Device
30 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
65kA @ 240Vac/35kA @ 480Vac/18kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 5:35:05 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
22	1	**Designation :** AIR COMPRESSOR

Product Details:
1-BJL36040-MOLDED CASE CIRCUIT BRKR 600Y/347V 40A
BJL36040
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
3 Pole Device
40 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
100kA @ 240Vac/65kA @ 480Vac/25kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 5:36:48 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
23	1	**Designation :** HP-1

Product Details:

1-BJL36060-MOLDED CASE CIRCUIT BRKR 600Y/347V 60A
BJL36060
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
3 Pole Device
60 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
100kA @ 240Vac/65kA @ 480Vac/25kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 9:40:48 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
24	1	**Designation :** HP-2

Product Details:
1-BJL36060-MOLDED CASE CIRCUIT BRKR 600Y/347V 60A
BJL36060
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
3 Pole Device
60 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
100kA @ 240Vac/65kA @ 480Vac/25kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 9:41:48 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
25	1	**Designation :** FCU 1

Product Details:
1-BJL36060-MOLDED CASE CIRCUIT BRKR 600Y/347V 60A
BJL36060
UL/CSA Rated
B Frame
Termination: Lugs Line/Load Side
3 Pole Device
60 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
100kA @ 240Vac/65kA @ 480Vac/25kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 9:41:58 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

Seq #	Qty	Product Description
26	1	**Designation :** FCU 2

Product Details:
1-BJL36060-MOLDED CASE CIRCUIT BRKR 600Y/347V 60A
BJL36060
UL/CSA Rated

B Frame
Termination: Lugs Line/Load Side
3 Pole Device
60 Amp Capacity
600 Vac Rated
80% Rated - Standard rated
Interrupting Rating
100kA @ 240Vac/65kA @ 480Vac/25kA @ 600Vac
Revision - 4/4/2023 - (S20230310/S20230310)
4/4/2023 9:42:12 PM
Source -Selector
1-B125AWK-NEMA 12+3R NO KNOCKOUT PPB CB ENCLOSURE

This Section Contains Products: Surge Protection Devices

Seq #	Qty	Product Description
27	1	**Designation :** MAIN BREAKER TVSS **Product Details:** 1-SSP04EMA16SD-SPD T1 EMA 160KA 480Y/277V SS IS 3P4W 480Y/277V 3 Phase 4 Wire, 160kA per phase UL Type 1 SPD LED Lights, Dry Contacts, Audible Alarm, Surge Counter, Integral Disconnector NEMA 4X Stainless Steel Surge Protection Device Type: Externally Mounted System Voltage: 480/277 3P 4W UL 1449 SPD Type: Line Side (UL SPD Type 1) Processed by ACE 2.0 - 03112022

Seq #	Qty	Product Description
28	1	**Designation :** MCC-SE TVSS **Product Details:** 1-SSP04EMA32SD-SPD T1 EMA 320KA 480Y/277V SS IS 3P4W 480Y/277V 3 Phase 4 Wire, 320kA per phase UL Type 1 SPD LED Lights, Dry Contacts, Audible Alarm, Surge Counter, Integral Disconnector NEMA 4X Stainless Steel Surge Protection Device Type: Externally Mounted System Voltage: 480/277 3P 4W UL 1449 SPD Type: Line Side (UL SPD Type 1) Processed by ACE 2.0 - 03112022

Seq #	Qty	Product Description
29	1	**Designation :** MCC-A TVSS **Product Details:** 1-SSP04EMA32SD-SPD T1 EMA 320KA 480Y/277V SS IS 3P4W 480Y/277V 3 Phase 4 Wire, 320kA per phase UL Type 1 SPD LED Lights, Dry Contacts, Audible Alarm, Surge Counter, Integral Disconnector NEMA 4X Stainless Steel Surge Protection Device Type: Externally Mounted System Voltage: 480/277 3P 4W UL 1449 SPD Type: Line Side (UL SPD Type 1) Processed by ACE 2.0 - 03112022

Seq #	Qty	Product Description
30	1	**Designation :** MCC-B TVSS **Product Details:** 1-SSP04EMA32SD-SPD T1 EMA 320KA 480Y/277V SS IS 3P4W 480Y/277V 3 Phase 4 Wire, 320kA per phase UL Type 1 SPD LED Lights, Dry Contacts, Audible Alarm, Surge Counter, Integral Disconnector NEMA 4X Stainless Steel Surge Protection Device Type: Externally Mounted System Voltage: 480/277 3P 4W UL 1449 SPD Type: Line Side (UL SPD Type 1) Processed by ACE 2.0 - 03112022

This Section Contains Products: Push Buttons and Operator Interface

Seq #	Qty	Product Description
10	1	**Designation :** E-STOP GEN **Product Details:** 1-9001KY10-9001KY Die Cast Zinc Encl - 1 hole Enclosure - 9001KY1 Revision - 4/4/2023 - (2204.001/2204.001) 4/4/2023 4:37:15 PM Location - Row 1 - Col 1 Operator - 9001KR9RH2 Red Push-Pull Maintained Mushroom Attachment/Protective Cap - None Legend - 9001KN205CP - Emergency Stop

Seq #	Qty	Product Description
11	3	**Designation :** BPSPP pushbutton E-303 **Product Details:** 3-9001KY10-9001KY Die Cast Zinc Encl - 1 hole Enclosure - 9001KY1 Revision - 4/4/2023 - (2204.001/2204.001) 4/4/2023 4:36:16 PM Location - Row 1 - Col 1 Operator - 9001KR8RH2H25 Red Push-Pull Momentary Mushroom Attachment/Protective Cap - None Legend - 9001KN200CP - Blank

This Section Contains Products: Drives & Soft Starts

Seq #	Qty	Product Description
32	1	**Designation :** VFD STARTUP

Product Details:
1-SRVSTRTUPVSDSTD-Startup Services - Straight Time
Schneider Electric will perform the Scope of Work per Schneider Electric document 1910DB1302-120213 "Scopes of Work for Electrical Acceptance Testing."
Work will be performed during Straight Time (any scheduled 8 hour period between 06:00 and 18:00 hours Monday thru Friday).

It is estimated that the service will be performed using one technician with all equipment and tests performed in immediate succession, unless otherwise specified.

If equipment is not available or prepared to be tested in the number of days specified, additional travel and expense charges may apply.
For each hour that SE Services is delayed at the job site due to the unavailability of the equipment for any reason, a charge at the applicable T&M rates will be added to the invoice.

Startup scope of work includes Schneider Electric technician supervision during energization of equipment. Quote price is based on energization during final day of inspection and testing.
If additional trips are required in order to provide energization supervision, additional travel, expense and labor charges will apply. To schedule date for start of work, call: 1-888-SQUARED (1-888-778-2733).

Schneider Electric services must be contacted prior to 3 weeks from the required date of service to avoid additional charges.
Reference SE Terms and Conditions of Sale for Proposal Based Projects 0100PL0043R03/20.

Formal test report(s) will be provided upon completion of the startup service.
Trip summary:
Round Trip Distance: Up to 150 Miles
Technician will make 1 trip to the job site per day of service (total of trips)
Equipment to be started up and included in this complimentary warranty is listed below.
Sel Rev: (20160224/20160224)
Tra Rev: 4/4/2023 4:01:02 PM/ 4/4/2023

****
Following user entered devices included in startup:
Qty 5 Process Drive ATV630,930,650,950
****

30 month complimentary extended warranty.
Schneider Electric Services is pleased to offer a complimentary 30 month warranty extension above and beyond our standard warranty and any purchased extended warranties.
For details on 30 month complimentary warranty please reference document

8800DB0101R05/18 Service Guide for AC Drives and Softstarters.
Std equipment warranty is 18 months from date of shipment or 12 months from issuance of a substantial completion letter by the customer subject to Schneider Electric Terms and Conditions of Sale for Proposal Based Projects 0100PL0043R03/20.
The 30 month warranty extension only applies to equipment that is successfully started up, invoiced by SE, and paid in full by the customer.
If startup with SE Services is not completed and paid in full, the bonus 30 month warranty will be invalid, but the standard warranty and any purchased extended warranties will still be in effect.
1-SRVRECRSTVFD30MO-30 MONTH BONUS STARTUP WARRANTY DRIVES
Schneider Electric Services is pleased to offer a complimentary 30 month warranty extension above and beyond our standard warranty and any purchased extended warranties.
For details on 30 month complimentary warranty please reference document 8800DB0101R05/18 Service Guide for AC Drives and Softstarters.
Std equipment warranty is 18 months from date of shipment or 12 months from issuance of a substantial completion letter by the customer subject to Schneider Electric Terms and Conditions of Sale for Proposal Based Projects 0100PL0043R03/20.
The 30 month warranty extension only applies to equipment that is successfully started up, invoiced by SE, and paid in full by the customer.
If startup with SE Services is not completed and paid in full, the bonus 30 month warranty will be invalid, but the standard warranty and any purchased extended warranties will still be in effect.

This Section Contains Products: Contactors and Starters

Seq #	Qty	Product Description
6	1	**Designation :** EF-1 **Product Details:** 1-8539SBA11V81ACFF4G97H309P42R174TX+-Class 8539 Thermal Mag CB Combination Starter Class 8539 Thermal Mag CB Combination Starter 8539SBA11V81ACFF4G97H309P42R174TX11Y217-SPL NEMA Size 0 Thermal Mag circuit breaker combination starter Thermal Mag - 15 amp Non-reversing 3 phase 3 pole device Selected for 1 HP @ 460V 3Ph Type 12/3R Enclosure - external reset H3xx - SSOLR - Class 10/20 trip Range of 3-9 amps Standard with NC overload contact Specified for 460V 3Ph power system Fused control transformer selected with 120V 60Hz coil T - Standard capacity 480 Volt primary 120 Volt secondary Fusing F4 - 2 primary control fuses F - 1 secondary control fuse Auxiliary contacts - 1 Normally open 1 Normally closed Control units supplied A - START-STOP push buttons C - HAND-OFF-AUTO selector switch Pilot lights supplied P42 - Power ON red pilot light (LED-PTT) R174 - 4 pole relay - unwired G97 - Elapsed time meter - externally mounted Y217 - Custom control UL device Additional information is needed from customer at order time for Form Y217 - UL Custom Control Wiring. Wiring diagram must be included at order time. Revision - 4/3/2023 - (S20210111/S20210111) 4/3/2023 8:24:53 PM TAG Number: Q-2543797-1 MULTI 9 Estimated days to ship, excluding transit: 30 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
7	1	**Designation :** L-1 **Product Details:** 1-8502SBA5V02CP42X20Y217-SPL-Class 8502 Contactor Class 8502 Contactor 8502SBA5V02CP42X20Y217-SPL NEMA Size 0 Non-reversing single phase 1 pole device Selected for 1/2 HP @ 115V 1Ph Type 12/3R Enclosure Specified for 115V 1Ph power system Contactor wired for common source control. with 120V 60Hz coil Auxiliary contacts - 2 Normally open Control units supplied C - HAND-OFF-AUTO selector switch Pilot lights supplied

P42 - Power ON red pilot light (LED-PTT)
Y217 - Custom control UL device
Additional information is needed from
customer at order time for Form Y217 - UL
Custom Control Wiring. Wiring diagram must
be included at order time.
Revision - 4/3/2023 - (S20210111/S20210111)
4/3/2023 8:29:45 PM
TAG Number: Q-2543797-1
MULTI 9

Estimated days to ship, excluding transit: 30 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
8	1	**Designation :** L-2

Product Details:
1-8502SBA5V02CP42X20Y217-SPL-Class 8502 Contactor
Class 8502 Contactor
8502SBA5V02CP42X20Y217-SPL
NEMA Size 0
Non-reversing single phase
1 pole device
Selected for 1/2 HP @ 115V 1Ph
Type 12/3R Enclosure
Specified for 115V 1Ph power system
Contactor wired for common source control.
with 120V 60Hz coil
Auxiliary contacts -
2 Normally open
Control units supplied
C - HAND-OFF-AUTO selector switch
Pilot lights supplied
P42 - Power ON red pilot light (LED-PTT)
Y217 - Custom control UL device
Additional information is needed from
customer at order time for Form Y217 - UL
Custom Control Wiring. Wiring diagram must
be included at order time.
Revision - 4/3/2023 - (S20210111/S20210111)
4/3/2023 8:31:12 PM
TAG Number: Q-2543797-1
MULTI 9

Estimated days to ship, excluding transit: 30 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
9	1	**Designation :** VC-1

Product Details:
1-8502SBA5V02CP42X20Y217-SPL-Class 8502 Contactor
Class 8502 Contactor
8502SBA5V02CP42X20Y217-SPL
NEMA Size 0
Non-reversing single phase
1 pole device
Selected for 1/2 HP @ 115V 1Ph
Type 12/3R Enclosure
Specified for 115V 1Ph power system
Contactor wired for common source control.
with 120V 60Hz coil
Auxiliary contacts -
2 Normally open
Control units supplied
C - HAND-OFF-AUTO selector switch
Pilot lights supplied
P42 - Power ON red pilot light (LED-PTT)
Y217 - Custom control UL device

Additional information is needed from
customer at order time for Form Y217 - UL
Custom Control Wiring. Wiring diagram must
be included at order time.
Revision - 4/3/2023 - (S20210111/S20210111)
4/3/2023 8:57:30 PM
TAG Number: Q-2543797-1
MULTI 9

Estimated days to ship, excluding transit: 30 working days after customer release to manufacturer. See Conditions of Sale.

Seq #	Qty	Product Description
12	5	**Designation :** Manual Motor StarterE-303

Product Details:
2510FW1PH-MANUAL STARTER 277VAC

Estimated days to ship, excluding transit: 5 working days after customer release to manufacturer.
See Conditions of Sale.

Seq #	Qty	Product Description
13	5	**Designation :** Overload for MMS

Product Details:
A6.99-THERMAL UNIT

Schneider Electric Conditions of Sale

Proposal-based Projects

Note

The following Conditions of Sale are subject to change. All transactions for all products sold by Schneider Electric USA ("Schneider Electric"), including all Schneider Electric brand products, are subject to the latest published Conditions of Sale of Schneider Electric and to any Special Conditions of Sale which may be contained in applicable Schneider Electric quotations and acknowledgments.

Schneider Electric Standard conditions of Sale will apply in all transactions between customers and Schneider Electric, unless the Proposal-based Project Conditions of Sale, apply as defined in the following paragraph.

Proposal-based Projects Definitions

Transactions that exhibit some or all of the following attributes: Unique customer requirements that are typically negotiated and quoted, requires approval drawings and project management by Schneider Electric, and for which there is a specific direct-ship address.

Governing Provisions and Acceptance

All quotations are subject to these conditions of sale. Acceptance of an order by Schneider Electric shall be expressly conditioned on Purchaser's assent to these conditions. Purchaser's direction to proceed with engineering, manufacture or shipment by Schneider Electric shall be deemed evidence of this assent. No modified or other conditions will be applicable unless those conditions are so stated in Schneider Electric's proposal or are specifically agreed to in writing and signed by an authorized official of Schneider Electric. Failure to object to provisions contained in any Purchase Order or other communication from the Purchaser (including, without limitation, penalty clauses of any kind) shall not be construed as a waiver of these Conditions nor an acceptance of any other provisions. These terms are a complete statement of the parties' agreement and may only be modified in writing signed by both parties. These terms may not be modified by course of dealing, course of performance or usage of trade. These terms supersede all previous written or oral quotations, statements or agreements. Any contract for sale by and between the parties shall be governed by and construed according to the laws of the State of Illinois without regard to its rules on the conflict of laws. The Convention on the International Sale of Goods is expressly excluded.

Quotations

Quotations shall be valid for no more than thirty (30) days from the date quotation is communicated from seller to purchaser, unless otherwise stated in the quotation. All quotations are subject to change by Schneider Electric Company at any time upon notice to Purchaser. Quotations are made based on Schneider Electric's interpretation of the plans and specifications submitted to Schneider Electric by the Purchaser. It is Purchaser's obligation to review the quotation carefully and to immediately advise Schneider Electric of any differing interpretation Purchaser has so any necessary change can be made.

Order Entry

A complete, signed purchase order must be received before entry of an order into Schneider Electric's system. Considerable detail is involved in the manufacture of power equipment. To facilitate timely shipment, complete details and information, including Purchaser's requested on-site dates must be provided at the time of order entry. Shipment dates are approximate and are based upon timely receipt of all necessary information from the Purchaser. Lack of complete information may result in delays of drawings or manufacture. Such delays shall relieve Schneider Electric from compliance with the quoted delivery dates and may lead to price escalation. Failure to provide a complete signed purchase order within twenty (20) days of notification of award may result in renegotiation of price or shipment dates.

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Approval Drawings

When required by a specific Purchase Order, drawings will be submitted for approval per agreed upon schedules, and price policy, below, to assure Schneider Electric has designed the equipment as described in Purchaser's specifications, as modified by Schneider Electric's quotation. If at time of drawing approval Schneider Electric has not designed the equipment to meet the specifications, as modified by Schneider Electric's quotation, Schneider Electric will make the appropriate changes at no charge to Purchaser. Where the Purchaser's specification is not definitive, Schneider Electric shall have the right to design the product in line with good commercial practice, without further obligation to Purchaser. If at drawing approval, Purchaser makes changes outside the design as stated in the specifications, such changes shall be treated as a change order as provided below.

Price Policy

Project prices are firm provided the Purchaser unconditionally releases to manufacturing (a) within 30 calendar days of order entry or (b) if at time of order entry approval drawings are requested, within 30 calendar days of Seller delivering approval drawings. If Purchaser does not meet the requirement set previously, then the Seller shall have the right to change the price for the products and/or services.

Pricing-Purchaser Changes

All prices cover a bill of material as described in Schneider Electric specifications or quotations to be designed and manufactured to Schneider Electric standard designs, unless otherwise agreed in writing between the parties. Purchaser may make minor changes not affecting the time or cost of performance without charge prior to the start of manufacture. If any changes are requested by the Purchaser after submission of the original Purchase Order which affect the cost or time of performance, additional billing will be made with the amount of price adder dependent on the change and status of the order when the change is made. Changes may also result in an extension of time for shipment. All changes will be agreed to by the parties, in writing, prior to implementation. Purchaser's rescheduling shipment will be considered a change. All expenses incurred by Schneider Electric in connection with the storage of equipment, including demurrage, packing, storage charges, insurance and handling charges by Schneider Electric will be paid by the Purchaser upon submission of invoices by Schneider Electric. Schneider Electric will issue price changes for any change requested by the Purchaser that affects modification of equipment, changes the bills of material, engineering or drawings or delivery schedule as follows: A) If Purchaser makes a change to an order prior to being released to engineering, the net price will be adjusted by re-pricing the equipment with prices in effect at the time of the change. A commensurate delay in the shipping date will be based on the changes involved. B) For changes made after the order is released to engineering, the net price and ship date will be adjusted as described in paragraph A above. An additional charge based on Schneider Electric standard engineering billing charges and cost of parts ($250 minimum) will be made to cover any extra engineering and drafting, scrap or rework of parts, or cost of modification. C) If during the drawing approval process, the Purchaser makes changes outside the design covered by the specifications, Schneider Electric will be reimbursed as described in paragraph A and B above, plus any additional charges for any extra cost incurred as a direct result of the changes and allowed a commensurate delay in shipping date based on the changes involved. Changes to the order can not be processed until a formal signed change order is received from the Purchaser.

Substitutions

Schneider Electric may furnish suitable substitutes for material unobtainable because of priorities or regulations established by governmental authority or non-availability of materials from suppliers, provided such substitutions do not adversely affect the technical soundness of the equipment. Schneider Electric assumes no liability for deviation from published dimensions and descriptive information not essential to proper performance of the product.

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Taxes

Any manufacturer's tax, retailer's tax, occupation tax, use tax, sales tax, excise tax, (except federal excise tax on vehicles), duty, customs, inspecting or testing fee, or other tax, fee or charge of any nature whatsoever, imposed by any governmental authority or measured by any transaction between Schneider Electric and Purchaser, shall be paid by the Purchaser in addition to the prices quoted or invoiced, and such charges will appear as a separate line item on the invoice. In the event Schneider Electric will be required to pay any such tax, fee, or charge, Purchaser shall reimburse Schneider Electric or, in lieu of such payment, Purchaser shall supply Schneider Electric at the time the order is submitted with an exemption certificate or other document acceptable to the tax authority. Purchase Orders must state the existence and amount of any such tax, fee or charge for which Purchaser claims an exemption.

Terms of Payment

Acceptance of all Purchase Orders is subject to Purchaser meeting Schneider Electric credit standards. Terms are subject to change for failure to meet such standards. Terms are net thirty (30) days from date of invoice of each shipment, unless otherwise stated in Schneider Electric's quotation. For an authorized distributor or authorized reseller order, applicable terms of payment are stated in the quotation or applicable discount schedule. Schneider Electric reserves the right at any time to demand full or partial payment before proceeding with a contract of sale if, in its sole judgment, as a result of changes in the financial condition of the Purchaser the terms of payment originally specified are no longer justified.

Progress Payments/ Payment Term

All proposal-based projects are Net 30 days from date of invoice of each shipment. On projects exceeding $1,000,000 Net, progress payments are payable according to the following milestones:

- 30% Release to manufacturing
- 70% (balance) due at shipment

Payments

If delivery is delayed or deferred by the Purchaser beyond the scheduled date, payment shall be due in full when Schneider Electric is prepared to ship. The equipment may be stored at the risk and expense of the Purchaser. If the Purchaser defaults when any payment is due, then the whole contract price shall become due and payable upon demand, or Schneider Electric at its option, without prejudice to other lawful remedies, may defer delivery or cancel the contract for sale. If Purchaser become insolvent, or bankrupt or in the event any proceeding is brought against the Purchaser, voluntarily or involuntarily under the bankruptcy or any insolvency law, Schneider Electric may cancel any order then outstanding at any time and recover its proper cancellation charges from the Purchaser or the Purchaser's estate.

Delivery

F.O.B. Point of Shipment

When the Schneider Electric quotation is based on delivery F.O.B. point of shipment, freight prepaid and allowed for delivery within the continental United States, Product is sold F.O.B. point of shipment, freight prepaid and allowed for orders over $2000 net. Delivery by Schneider Electric to the point of shipment constitutes delivery to the Purchaser; and title and all risk of loss or damage in transit shall pass to the Purchaser at time of delivery at the F.O.B. point. Schneider Electric is not responsible for breakage or delays by carrier after having received "in good order" receipts from the carrier. Purchaser is responsible for pursuing any damage claims with the carrier. For orders under $2000 net the above terms apply except freight is prepaid not allowed. No allowance will be made in lieu of transportation if the Purchaser accepts shipment at factory, warehouse or freight station or otherwise supplies its own transportation. Freight prepaid is defined as: a) Shipments to destinations within the continental United States to the accessible common carrier point nearest the first destination. b) Shipments to U.S. destinations outside the continental United States shall be to the common carrier free delivery point in the United States nearest the original port of embarkation. All charges associated with F.A.S., C.I.F., or other charges such as pier transfer, lift, ocean freight, and marine or war insurance shall be paid by the Purchaser, unless otherwise specifically agreed in a specific Purchase Order. In no event will Schneider Electric be responsible for demurrage or detention charges.

Delivery: F.O.B. Destination

When the Schneider Electric quotation is based on delivery F.O.B. Destination, for shipments for delivery within the continental United States, Schneider Electric will retain title and all risk of loss or damage in transit to the common carrier free delivery point in the United States nearest the first destination for a price addition of 2% of the net price. If the Purchaser elects this Option, Purchaser's obligations shall be as follows: a) Purchaser shall have the responsibility of inspecting the equipment for apparent loss or damage immediately upon its arrival at the free delivery point. b) In the event of apparent shipping loss or damage, Purchaser shall make written notation of the loss on the carrier's delivery receipt and, within 72 hours of delivery shall notify the Schneider Electric Customer Information Center. Purchaser shall not remove product from the point of examination and shall retain the shipping container and packing

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material. Purchaser shall request the carrier to make an inspection and send Schneider Electric a copy of the carrier's inspection report. c) In the event of concealed damage which occurred during transit and is discovered by the Purchaser after delivery, Purchaser shall report such damage immediately, but in no event later than 15 days after delivery, to the delivering carrier, and within 72 hours of discovery, shall notify the local Schneider Electric field office. If such notification is not made, Schneider Electric shall not be liable for loss or damage in transit.

Shipment and Routing

Schneider Electric shall select the point of origin of shipment, the method of transportation and the routing of the shipment. Purchasers that request expedited or special modes of transportation or routing involving air, premium or any other non-standard Schneider Electric shipping shall be assessed additional charges for shipping, handling, freight and expediting. Any rebates, allowances, discounts, or incentives received by Schneider Electric from its carriers shall be retained by Schneider Electric. All prices include domestic packaging only. When other than domestic packaging is required, contact your local Schneider Electric field office. Purchaser specified packaging and marking may be subject to additional charges.

Shortages

Claims for shortages or errors must be submitted to Schneider Electric within 30 days after invoice date, and failure to give such notice shall constitute unqualified acceptance and a waiver of all such claims by the Purchaser.

Installments

Schneider Electric reserves the right to make shipments in installments, unless otherwise expressly stipulated in a specific Purchase Order; and all such installments when separately invoiced shall be paid for when due per invoice without regard to subsequent shipments. Delay in shipment of any installment shall not relieve Purchaser of its obligation to accept remaining shipments.

Force Majeure

Schneider Electric shall not be liable for any damages as a result of any delays due to any causes beyond Schneider Electric's control, including, without limitation, an act of God; act of Purchaser or Schneider Electric supplier; embargo or other governmental act, regulation or request; fire; accident; strike; slowdown; flood; fuel or energy shortage; sabotage; war; riot; delay in transportation and inability to obtain necessary labor, materials or manufacturing facilities from usual sources. In the event of any such delay, the date of delivery shall be extended for a period of time reasonably necessary to overcome the effect of such delay.

Standard Warranty

Schneider Electric warrants equipment manufactured by it and sold through authorized sales channels to be free from defects in materials and workmanship for 12 months from the issuance of the customer provisional acceptance letter or 18 months from the invoice date of the last component of the order whichever occurs first. If within such period, any such equipment shall be proved to Schneider Electric's satisfaction to be non-conforming, such equipment shall be repaired or replaced at Schneider Electric's option. This warranty shall not apply (a) to equipment not manufactured by Schneider Electric, (b) to equipment that has been repaired or altered by other than Schneider Electric so as, in its judgment, to affect the same adversely, or (c) to equipment that has been subjected to negligence, accident, or damage by circumstances beyond Schneider Electric's control, or improper operation, maintenance or storage, or to other than normal use or service. With respect to equipment not manufactured by Schneider Electric, the warranty obligations of Schneider Electric shall in all respects conform and be limited to the warranty actually extended to Schneider Electric by its supplier. Non-conforming products must be returned at Schneider Electric's expense for evaluation unless this is waived in writing. Replacement products may be new or reconditioned. The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation, temporary power, or any other expenses that may be incurred in connection with repair or replacement. Any part or component changed or repaired in the context of the contractual warranty will itself benefit of a 3 month warranty but shall not cause the warranty duration of the overall System / Solution to be extended. Warranty is voided on genuine Schneider Electric products if they are reconditioned. There is no warranty on counterfeit products.

Optional Warranties

(Only available on equipment to be located in the U.S.)
Option 1—Extended: 2 to 5 years from Shipment. If requested by the Purchaser, and specifically accepted in writing by Schneider Electric, the standard warranty will be extended to two (2) years from date of invoice for a price addition of 1% of the net face value of the Purchase Order, will be extended to three (3) years from date of invoice for a price addition of 3% of the net face value of the Purchase Order, will be extended to four (4) years from date of invoice for a price addition of 5% of the net face value of the Purchase Order, or will be extended to five (5) years from date of invoice for a price addition of 7% of the net face value of the Purchase Order.

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Option 2—Special Warranty: If requested by the Purchaser, and specifically accepted in writing by Schneider Electric, the standard warranty will be extended, for a price addition of 3% of the net face value of the Purchase Order, to cover reimbursement of the direct costs of: a) Removal of non-conforming equipment or part thereof; b) Transporting equipment or parts to and from the place of repair; c) Off-loading of truck and reinstallation at the original site. Such special warranty, which may be chosen to cover a period not exceeding that of the standard or extended warranty (see above) selected, will not include the cost of providing temporary power or removing or replacing other apparatus or structures, or costs of transportation beyond a common carrier free delivery point in the continental United States. Further, the obligation of Schneider Electric for expenses and costs arising under this special warranty coverage will not exceed 50% of the net invoice price on the equipment being repaired. This warranty does not change or affect the allocation of risk or loss during shipment.
Option 3—Extended Warranty: Preventative Maintenance Agreements. If requested by the Purchaser, and specifically accepted by Schneider Electric, a Preventative Maintenance Agreement is available to provide preventative maintenance on equipment covered by the agreement. Terms of the preventative maintenance agreement shall be as defined in a separate Services Agreement agreed to by the parties.

Software

Any software or computer information, in whatever form, provided with equipment manufactured by Schneider Electric is licensed to Purchaser solely pursuant to standard licenses of Schneider Electric or its supplier of such software or computer information, which licenses are, hereby incorporated by reference. Schneider Electric does not warrant that such software or computer information will operate error free or without interruption, and warrants only that during the warranty period applicable to the equipment that the software will perform its essential functions. If such software or computer information fails to conform to such warranty, Schneider Electric will, at its option, provide an update to correct the non-conformance or replace the software or computer information with the latest available version containing a correction. Schneider Electric shall have no other obligation to provide updates or revisions.

Limitations

These disclaimers and limitations of remedies apply to all warranties offered to Purchaser and to all Purchase Orders. **The warranties set forth above are exclusive and in lieu of all other expressed or implied warranties (except warranties of title), including, but not limited to implied warranties of merchantability and fitness for a particular purpose.** Except as may be expressly provided in an authorized writing by Schneider Electric, Schneider Electric shall not be subject to any other obligations or liabilities whatsoever other than as stated above with respect to equipment sold or services rendered by Schneider Electric. Notwithstanding anything to the contrary herein contained **Schneider Electric Company, its contractors and suppliers of any tier, shall not be liable in contract, in tort (including negligence or strict liability) or otherwise for lost time, lost profits, or special, indirect, incidental or consequential damages of any kind whatsoever.** The remedies of the Purchaser are exclusive and the total cumulative liability of Schneider Electric, its contractors and suppliers of any tier, with respect to this contract or anything done in connection therewith, such as the use of any product covered by or furnished under the contract, whether in contract, in tort (including negligence or strict liability) or otherwise, shall not exceed the price of the product, part, or service on which such liability is based.

Intellectual Property

As to equipment proposed and furnished by Schneider Electric, Schneider Electric shall defend any suit or proceeding brought against Purchaser so far as based on a claim that such equipment constitutes an infringement of any copyright, trademark or patent of the United States.

This obligation shall be effective only if Purchaser shall have made all payments then due hereunder and if Schneider Electric is notified promptly in writing and given authority, information, and assistance at Schneider Electric's expense for the defense of the same. In the event the use of such equipment by Purchaser is enjoined in such a suit, Schneider Electric shall, at its expense, and at its sole option, either (a) procure for the Purchaser the right to continue using such equipment (b) modify such equipment to render it non-infringing (c) replace such equipment with non-infringing equipment, or (d) refund the purchase price (less depreciation) and the transportation and installation costs of such equipment. Schneider Electric will not be responsible for any compromise or settlement made without its written consent. The foregoing states the entire liability of Schneider Electric for patent, trademark or copyright infringement, and in no event shall Schneider Electric be liable if any infringement charge is based on the use of Schneider Electric equipment for a purpose other than that for which it was sold by Schneider Electric. As to any equipment furnished by Schneider Electric to Purchaser and manufactured in accordance with designs proposed by Purchaser, the Purchaser shall indemnify Schneider Electric against any award made against Schneider Electric for patent, trademark, or copyright infringements.

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Witness of Tests and Factory Inspections

Normal production schedules do not provide the opportunity for Purchaser to witness routine factory tests on equipment or make factory inspections. Witnessing of tests or factory inspections by the Purchaser may result in delays of production for which Schneider Electric will not be responsible. Witness testing and factory inspections must be requested at time of quotation and confirmed at order entry. Standard Schneider Electric factory testing and inspection will apply. Schneider Electric will notify Purchaser fourteen (14) calendar days prior to scheduled witness testing or inspection. In the event Purchaser is unable to attend, the Parties may mutually agree on a rescheduled date. However, Schneider Electric, at its sole option, may consider the witness tests and/or inspection waived, and ship and invoice the Products. Purchaser will be responsible for paying for all scheduled witness testing, whether or not Purchaser attends.

Return of Equipment

No equipment may be returned without first obtaining Schneider Electric's written permission and a returned material identification tag. Returned equipment must be of current manufacture, in the original packaging, unused, undamaged and in saleable condition, securely packed to reach Schneider Electric without damage and labeled with the return authorization number. Any cost incurred by Schneider Electric to put equipment in first class condition will be charged to the Purchaser. Returns will be credited at price invoiced by Schneider Electric less a restocking fee of 25% invoice price. Special Order and Custom equipment is not returnable. Schneider Electric shall bear the cost of returns resulting from Schneider Electric error, and method and route of return will be at the discretion of Schneider Electric. Costs incurred by failure to follow Schneider Electric direction will be borne by the Purchaser.

Nuclear Applications Terms and Conditions

Unless otherwise agreed in writing by a duly authorized representative of Schneider Electric, products sold hereunder are not intended for use in or in connection with any nuclear facility or activity. If so used, Schneider Electric disclaims all liability for any damage, injury or contamination; and Purchaser shall indemnify Schneider Electric against any such liability, whether arising as a result of breach of contract, warranty or tort (including negligence) or otherwise.

Patterns and Tools

Notice will be given if special patterns or tools are required to complete any order. Charges for such patterns or tools do not convey title thereto or the right to remove them from Schneider Electric's plant. If patterns or tools are not used for a period of two years, Schneider Electric shall have the right to scrap them without notice.

Product Notices

Purchaser shall promptly supply the user (including its employees) of the product with all Schneider Electric supplied product notices, warnings, instructions, recommendations and similar materials.

Errors

Schneider Electric reserves the right to correct errors or omissions in quotations, acknowledgments, invoices, or other documents.

OSHA Compliance

Compliance with OSHA or similar federal, state or local laws during the operation or use of the product(s) is the sole responsibility of the Purchaser.

Termination

Any order may be terminated by the Purchaser only upon written notice to Schneider Electric will be subject the following cancellation schedule:

- 20% after issuance of approval drawings
- 50% at release to manufacturing
- 100% at start of fabrication

Cancellation

Schneider Electric shall have the right to cancel any order or contract at any time by written notice for any material breach of the contract by the Purchaser, including material delays in releasing equipment for manufacture or approval drawings and excessive changes to specifications or drawings.

Excusable Delay

Purchaser acknowledges that products sold hereunder and/or parts thereof may be produced in, or otherwise sourced from, or will be installed in areas already affected by, or that may be affected in the future by, the prevailing COVID-19 epidemics/pandemic and that the situation may trigger stoppage, hindrance or delays in the capacity of Schneider Electric (or its subcontractors) to produce, deliver, install or service the products, irrespective of whether such stoppage, hindrance or delays are due to measures imposed by authorities or deliberately implemented by Schneider Electric (or its subcontractors) as preventive or curative measures to avoid harmful contamination exposure of the employees of

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Schneider Electric (or its subcontractors). Purchaser therefore recognizes that such circumstances shall be considered as a cause for excusable delay not exposing Schneider Electric to contractual sanctions including without limitation any delay penalties, liquidated or other damages or termination for default.

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Prepared By:
Nicole Kowalski
Project Support Specialist
nicole.kowalski@se.com

Proposal Name: Delta Township WBS Ultium 3

Quote Name: Delta Township WBS - SWBD alternate

Proposal Number: P-230403-3664665

Quote Number: Q-4028265

Quote Date: 04/05/2023

Through Addenda Number: 0

Sales Representative: Nicole Kowalski

Conditions of Sale

Except as otherwise provided below, this Quotation is subject to Coordinated Project Terms. See https://www.schneider-electric.us/en/download/document/0100PL0043

Notwithstanding any provision to the contrary in the referenced Coordinated Project Terms or any other documentation provided in connection with this proposal, this quote is valid for 30 days. Quoted lead times are approximate and subject to change.

Schneider Electric reserves the right to amend, withdraw or otherwise alter this submission without penalty or charge as a result of any event beyond its control arising from or due to the current Covid-19 epidemic or events subsequent to this epidemic / pandemic including changes in laws, regulations, by laws or direction from a competent authority.

TABLE OF CONTENTS

Switchboards

This Section Contains Products: Switchboards

Seq #	Qty	Product Description
1	1	**Designation :**

Product Details:
1-Square D Custom Swbd Series 2-QED-2 Switchboard

Square D Custom Swb Series 2
Designed and Tested in accordance with:
UL 891/NATIONAL ELECTRIC CODE/NEMA PB-2
System Voltage - 480Y/277V 3Ph 4W 60Hz
System Ampacity - 800A
Source Description - Single Main
Bussing - Silver Plated Copper
Neutral Bus - 100%
Max Available Fault Current (RMS) - 65kA
Enclosure - Type 1
Accessibility: Front Only
Rodent Barrier
Exterior Paint Color - ANSI 49
Ground Lug provided for each device
Corrosion-resistant base channels
Strip Heaters - Internal Power Source with Thermostat
Strip Heaters - Internal Power Source with Humidistat
Copper Ground Bus
Bottom Closure Plates

Dimensions
---
1 - 48" Wide Section(s)
1 - 24" Deep Enclosure(s)
Dimensions: 48.00" W X 24" Max D X 91.5" H
Approximate Weight: 1041.00 lbs / 472.20 kgs

Incoming Requirements

Suitable for Use As Service Entrance
Entry Point: Left of Lineup Through the Bottom
Connection Type: Cable
Power Meter - PM8244
3 CTs PM8244 w/ Display - 3 phase 4 wire wye 800A

Mains
---
1 - 800AS/800AT 480V 80% Rated 65 kA 3 Pole UL, Group Mounted Electronic Trip Circuit Breaker: Type PJ
Ammeter Trip Unit, Long Time, Short Time, Instantaneous, Ground Fault
Kirk Key Interlock

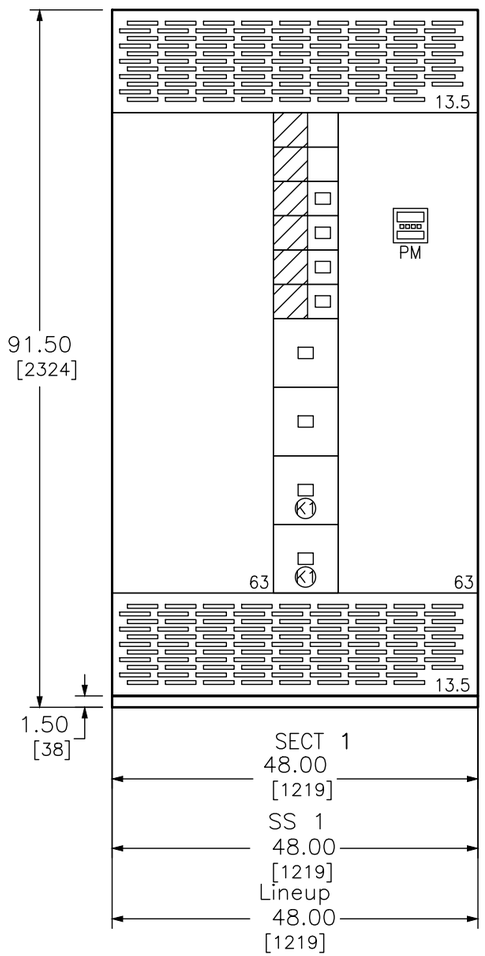
Feeders
---
1 - 60AT 480V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type BJ
1 - 60AS/20AT 480V 80% Rated 65 kA 3 Pole UL, Group Mounted Electronic Trip Circuit Breaker: Type HJ
Standard Trip Unit, Long Time, Short Time, Instantaneous
1 - 100AS/50AT 480V 80% Rated 65 kA 3 Pole UL, Group Mounted Electronic Trip Circuit Breaker: Type HJ
Standard Trip Unit, Long Time, Short Time, Instantaneous
1 - 250AS/200AT 480V 80% Rated 65 kA 3 Pole

UL, Group Mounted Electronic Trip
Circuit Breaker: Type JJ
Standard Trip Unit, Long Time, Short Time, Instantaneous
2 - 800AS/500AT 480V 80% Rated 65 kA 3 Pole
UL, Group Mounted Electronic Trip
Circuit Breaker: Type PJ
Standard Trip Unit, Long Time, Short Time, Instantaneous
1 - 800AS/800AT 480V 80% Rated 65 kA 3 Pole
UL, Group Mounted Electronic Trip
Circuit Breaker: Type PJ
Ammeter Trip Unit, Long Time, Short Time, Instantaneous, Ground Fault
Kirk Key Interlock

Estimated days to ship, excluding transit: 270 working days after customer release to manufacturer. See Conditions of Sale.

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
–	----	--	--/--/--	–	----	--	--/--/--	–	----	--	--/--/--

No T–bus



SWITCHBOARD GENERAL NOTES – SERIES 2

PRODUCT DESCRIPTION & RATINGS

Power System Data

480Y/277V 3Ph 4W 60Hz / 3 Phase Wye
Solidly Grounded
System Short Circuit Current Rating: 65kA RMS
Incoming Section 1 Cable Through the Bottom Left of Lineup

Bus System Data

800A Silver Plated Copper Main Bus
(0) .25x1.50 IN/6x38 mm Not Required Bus Bar Per Phase
(1) .25x3.25 IN/6x83 mm Not Required Bus Bar Per Neutral
(1) .25x.875 IN/6x22 mm Cu Ground Bus

Enclosure Data

Type 1 Free Standing
Exterior Paint Color: ANSI 49
Front Accessibility Only Required
Handling: Rollers & Lifting Assemblies
Strip Heater w. Thermostat & Humidistat
Rodent barriers
1.5H Corrosion Resist Base Channels
Steel Bottom Closure Plate

Estimated Shipping Weight

Shipping Split 1 1041.00 lbs / 472.20 kgs
Complete Lineup 1041.00 lbs / 472.20 kgs

Code Standards

U.L. Deadfront and suitable for use as Service Entrance
when not more than six (6) disconnecting means are provided.

Rating Nameplates

ST1– Service Entrance – Section Bus 800A

PRODUCT INFORMATION

Wiring

All wiring to be Machine Tool Wire type

Instruction Bulletins

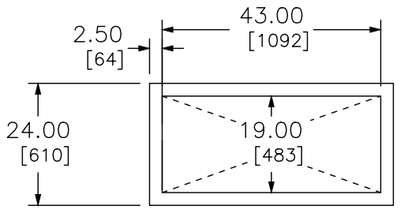
Reference 80043–055 For Handling, Installation,
Anchoring, Inspection And Maintenance Information

Product Accessories/Options

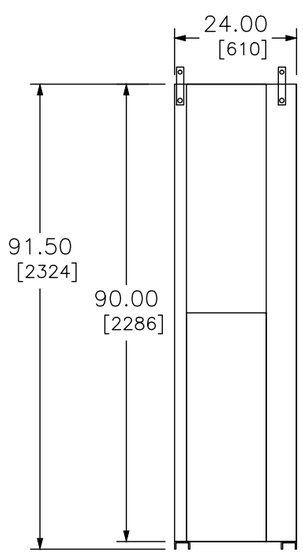
ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	
JOB LOCATION:		EQUIPMENT TYPE:	QED–2 Switchboard
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEVATION VIEW
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS: QUOTE	**NOT FOR CONSTRUCTION**	DWG# FQ–4028265–115832690–01	PG 1 OF 2 REV –

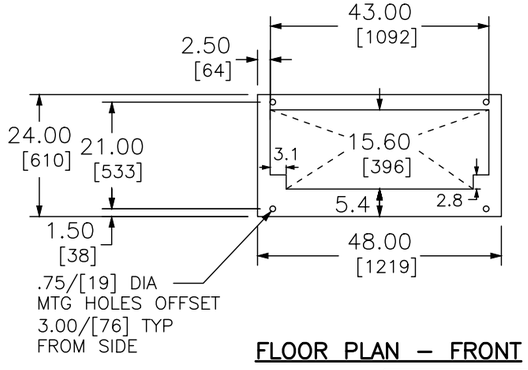
REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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TOP VIEW – FRONT



LEFT SIDE VIEW



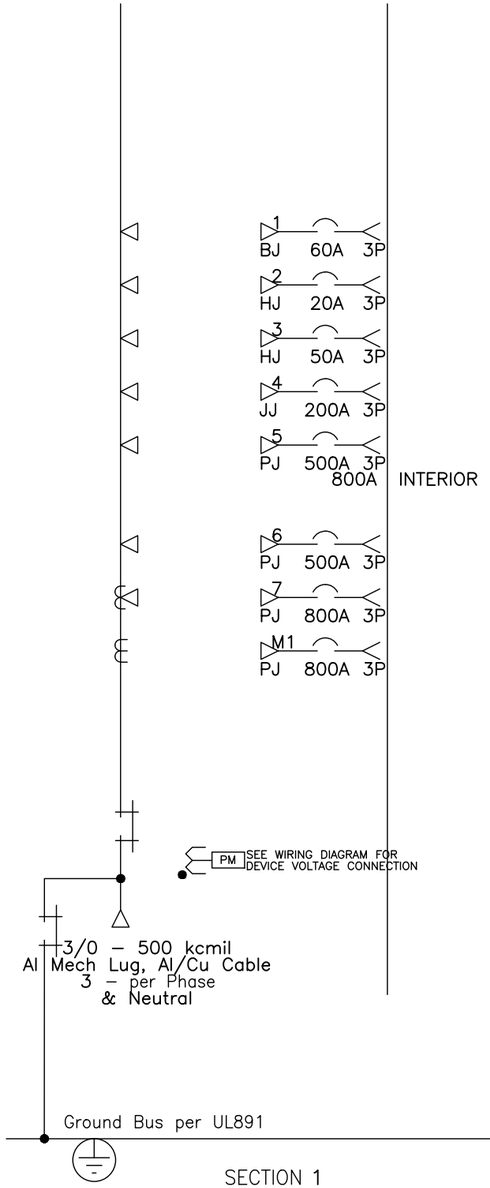
FLOOR PLAN – FRONT

NOTE: ALL DEVICES REQUIRING DRILLING OR INSERTION IN MOUNTING PAD SUCH AS CONDUIT, ANCHORING STUDS, SLEEVE INSERTS, ETC. SHOULD BE INSTALLED BEFORE SETTING EQUIPMENT IN PLACE.

ENGLISH DIMENSIONS: INCHES

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	
JOB LOCATION:		EQUIPMENT TYPE:	QED-2 Switchboard
DRAWN BY:	(Q2C)	DRAWING TYPE:	SIDE, TOP VIEW & FLOOR PLAN
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE **NOT FOR CONSTRUCTION**	DWG# **FQ-4028265-115832690-01**	PG 2 OF 2 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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SECTION 1

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	
JOB LOCATION:		EQUIPMENT TYPE:	QED-2 Switchboard
DRAWN BY:	(Q2C)	DRAWING TYPE:	ONE LINE
ENGR:			
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# 0Q-4028265-115832690-01	PG 1 OF 2 REV –

REV	DESCRIPTION	BY	DATE	–	----	--	--/--/--	–	----	--	--/--/--
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POWER STYLE QED–2 SWITCHBOARD SERIES 2

SECT NO	CKT NO	IMD /GMD CONFIG	DEVICE/FRAME RATING	TRIP AMP	FUSE/ TRIP	#P	DESIGNATION	N/P	LUG/WIRE INFORMATION				ACCESSORIES / NOTES
									QTY	PHASE WIRE RANGE	QTY	NEUT WIRE RANGE	
1	–	–	Incoming Connection	–	–	–	–	–	–	–	–	–	SHR PM8K
1	–	–	Strip Heater	–	–	–	–	–	–	–	–	–	SHR
1	1	4.5 in	BJ	60A	–	3P		No	1	#14 – 1/0 AWG	1	#14 – 1/0 AWG	
1	2	4.5 in	HJ 60A	20A	S–LSI	3P		No	1	#14 – 1/0 AWG	1	#14 – 1/0 AWG	
1	3	4.5 in	HJ 100A	50A	S–LSI	3P		No	1	#14 – 1/0 AWG	1	#14 – 1/0 AWG	
1	4	4.5 in	JJ 250A	200A	S–LSI	3P		No	1	3/0 – 350 kcmil	1	3/0 – 350kcmil	
1	5	9 in	PJ 800A Plug A	500A	S–LSI	3P		No	3	3/0 – 500 kcmil	3	3/0 – 500kcmil	
1	6	9 in	PJ 800A Plug A	500A	S–LSI	3P		No	3	3/0 – 500 kcmil	3	3/0 – 500kcmil	
1	7	9 in	PJ 800A Plug A	800A	A–LSIG	3P		No	3	3/0 – 500 kcmil	3	3/0 – 500kcmil	GF,KEY
1	M1	9 in	PJ 800A Plug A	800A	A–LSIG	3P		No	3	3/0 – 500 kcmil	3	4/0 – 500kcmil	GF,KEY

LEGEND	
GF	Ground Fault
KEY	Key Interlock
PM8K	Power Meter PM8XXX
SHR	Strip Heater

JOB NAME:	Delta Township WBS Ultium 3	EQUIPMENT DESIGNATION:	
JOB LOCATION:		EQUIPMENT TYPE:	QED–2 Switchboard
DRAWN BY:	(Q2C)	DRAWING TYPE:	SCHEDULE
ENGR:			SQUARE D by Schneider Electric
DATE:	April 05 2023		
DRAWING STATUS:	QUOTE	DWG# 0Q–4028265–115832690–01	PG 2 OF 2 REV –

Schneider Electric Conditions of Sale

Proposal-based Projects

Note

The following Conditions of Sale are subject to change. All transactions for all products sold by Schneider Electric USA ("Schneider Electric"), including all Schneider Electric brand products, are subject to the latest published Conditions of Sale of Schneider Electric and to any Special Conditions of Sale which may be contained in applicable Schneider Electric quotations and acknowledgments.

Schneider Electric Standard conditions of Sale will apply in all transactions between customers and Schneider Electric, unless the Proposal-based Project Conditions of Sale, apply as defined in the following paragraph.

Proposal-based Projects Definitions

Transactions that exhibit some or all of the following attributes: Unique customer requirements that are typically negotiated and quoted, requires approval drawings and project management by Schneider Electric, and for which there is a specific direct-ship address.

Governing Provisions and Acceptance

All quotations are subject to these conditions of sale. Acceptance of an order by Schneider Electric shall be expressly conditioned on Purchaser's assent to these conditions. Purchaser's direction to proceed with engineering, manufacture or shipment by Schneider Electric shall be deemed evidence of this assent. No modified or other conditions will be applicable unless those conditions are so stated in Schneider Electric's proposal or are specifically agreed to in writing and signed by an authorized official of Schneider Electric. Failure to object to provisions contained in any Purchase Order or other communication from the Purchaser (including, without limitation, penalty clauses of any kind) shall not be construed as a waiver of these Conditions nor an acceptance of any other provisions. These terms are a complete statement of the parties' agreement and may only be modified in writing signed by both parties. These terms may not be modified by course of dealing, course of performance or usage of trade. These terms supersede all previous written or oral quotations, statements or agreements. Any contract for sale by and between the parties shall be governed by and construed according to the laws of the State of Illinois without regard to its rules on the conflict of laws. The Convention on the International Sale of Goods is expressly excluded.

Quotations

Quotations shall be valid for no more than thirty (30) days from the date quotation is communicated from seller to purchaser, unless otherwise stated in the quotation. All quotations are subject to change by Schneider Electric Company at any time upon notice to Purchaser. Quotations are made based on Schneider Electric's interpretation of the plans and specifications submitted to Schneider Electric by the Purchaser. It is Purchaser's obligation to review the quotation carefully and to immediately advise Schneider Electric of any differing interpretation Purchaser has so any necessary change can be made.

Order Entry

A complete, signed purchase order must be received before entry of an order into Schneider Electric's system. Considerable detail is involved in the manufacture of power equipment. To facilitate timely shipment, complete details and information, including Purchaser's requested on-site dates must be provided at the time of order entry. Shipment dates are approximate and are based upon timely receipt of all necessary information from the Purchaser. Lack of complete information may result in delays of drawings or manufacture. Such delays shall relieve Schneider Electric from compliance with the quoted delivery dates and may lead to price escalation. Failure to provide a complete signed purchase order within twenty (20) days of notification of award may result in renegotiation of price or shipment dates.

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Approval Drawings

When required by a specific Purchase Order, drawings will be submitted for approval per agreed upon schedules, and price policy, below, to assure Schneider Electric has designed the equipment as described in Purchaser's specifications, as modified by Schneider Electric's quotation. If at time of drawing approval Schneider Electric has not designed the equipment to meet the specifications, as modified by Schneider Electric's quotation, Schneider Electric will make the appropriate changes at no charge to Purchaser. Where the Purchaser's specification is not definitive, Schneider Electric shall have the right to design the product in line with good commercial practice, without further obligation to Purchaser. If at drawing approval, Purchaser makes changes outside the design as stated in the specifications, such changes shall be treated as a change order as provided below.

Price Policy

Project prices are firm provided the Purchaser unconditionally releases to manufacturing (a) within 30 calendar days of order entry or (b) if at time of order entry approval drawings are requested, within 30 calendar days of Seller delivering approval drawings. If Purchaser does not meet the requirement set previously, then the Seller shall have the right to change the price for the products and/or services.

Pricing-Purchaser Changes

All prices cover a bill of material as described in Schneider Electric specifications or quotations to be designed and manufactured to Schneider Electric standard designs, unless otherwise agreed in writing between the parties. Purchaser may make minor changes not affecting the time or cost of performance without charge prior to the start of manufacture. If any changes are requested by the Purchaser after submission of the original Purchase Order which affect the cost or time of performance, additional billing will be made with the amount of price adder dependent on the change and status of the order when the change is made. Changes may also result in an extension of time for shipment. All changes will be agreed to by the parties, in writing, prior to implementation. Purchaser's rescheduling shipment will be considered a change. All expenses incurred by Schneider Electric in connection with the storage of equipment, including demurrage, packing, storage charges, insurance and handling charges by Schneider Electric will be paid by the Purchaser upon submission of invoices by Schneider Electric. Schneider Electric will issue price changes for any change requested by the Purchaser that affects modification of equipment, changes the bills of material, engineering or drawings or delivery schedule as follows: A) If Purchaser makes a change to an order prior to being released to engineering, the net price will be adjusted by re-pricing the equipment with prices in effect at the time of the change. A commensurate delay in the shipping date will be based on the changes involved. B) For changes made after the order is released to engineering, the net price and ship date will be adjusted as described in paragraph A above. An additional charge based on Schneider Electric standard engineering billing charges and cost of parts ($250 minimum) will be made to cover any extra engineering and drafting, scrap or rework of parts, or cost of modification. C) If during the drawing approval process, the Purchaser makes changes outside the design covered by the specifications, Schneider Electric will be reimbursed as described in paragraph A and B above, plus any additional charges for any extra cost incurred as a direct result of the changes and allowed a commensurate delay in shipping date based on the changes involved. Changes to the order can not be processed until a formal signed change order is received from the Purchaser.

Substitutions

Schneider Electric may furnish suitable substitutes for material unobtainable because of priorities or regulations established by governmental authority or non-availability of materials from suppliers, provided such substitutions do not adversely affect the technical soundness of the equipment. Schneider Electric assumes no liability for deviation from published dimensions and descriptive information not essential to proper performance of the product.

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Taxes

Any manufacturer's tax, retailer's tax, occupation tax, use tax, sales tax, excise tax, (except federal excise tax on vehicles), duty, customs, inspecting or testing fee, or other tax, fee or charge of any nature whatsoever, imposed by any governmental authority or measured by any transaction between Schneider Electric and Purchaser, shall be paid by the Purchaser in addition to the prices quoted or invoiced, and such charges will appear as a separate line item on the invoice. In the event Schneider Electric will be required to pay any such tax, fee, or charge, Purchaser shall reimburse Schneider Electric or, in lieu of such payment, Purchaser shall supply Schneider Electric at the time the order is submitted with an exemption certificate or other document acceptable to the tax authority. Purchase Orders must state the existence and amount of any such tax, fee or charge for which Purchaser claims an exemption.

Terms of Payment

Acceptance of all Purchase Orders is subject to Purchaser meeting Schneider Electric credit standards. Terms are subject to change for failure to meet such standards. Terms are net thirty (30) days from date of invoice of each shipment, unless otherwise stated in Schneider Electric's quotation. For an authorized distributor or authorized reseller order, applicable terms of payment are stated in the quotation or applicable discount schedule. Schneider Electric reserves the right at any time to demand full or partial payment before proceeding with a contract of sale if, in its sole judgment, as a result of changes in the financial condition of the Purchaser the terms of payment originally specified are no longer justified.

Progress Payments/ Payment Term

All proposal-based projects are Net 30 days from date of invoice of each shipment. On projects exceeding $1,000,000 Net, progress payments are payable according to the following milestones:

- 30% Release to manufacturing
- 70% (balance) due at shipment

Payments

If delivery is delayed or deferred by the Purchaser beyond the scheduled date, payment shall be due in full when Schneider Electric is prepared to ship. The equipment may be stored at the risk and expense of the Purchaser. If the Purchaser defaults when any payment is due, then the whole contract price shall become due and payable upon demand, or Schneider Electric at its option, without prejudice to other lawful remedies, may defer delivery or cancel the contract for sale. If Purchaser become insolvent, or bankrupt or in the event any proceeding is brought against the Purchaser, voluntarily or involuntarily under the bankruptcy or any insolvency law, Schneider Electric may cancel any order then outstanding at any time and recover its proper cancellation charges from the Purchaser or the Purchaser's estate.

Delivery

F.O.B. Point of Shipment

When the Schneider Electric quotation is based on delivery F.O.B. point of shipment, freight prepaid and allowed for delivery within the continental United States, Product is sold F.O.B. point of shipment, freight prepaid and allowed for orders over $2000 net. Delivery by Schneider Electric to the point of shipment constitutes delivery to the Purchaser; and title and all risk of loss or damage in transit shall pass to the Purchaser at time of delivery at the F.O.B. point. Schneider Electric is not responsible for breakage or delays by carrier after having received "in good order" receipts from the carrier. Purchaser is responsible for pursuing any damage claims with the carrier. For orders under $2000 net the above terms apply except freight is prepaid not allowed. No allowance will be made in lieu of transportation if the Purchaser accepts shipment at factory, warehouse or freight station or otherwise supplies its own transportation. Freight prepaid is defined as: a) Shipments to destinations within the continental United States to the accessible common carrier point nearest the first destination. b) Shipments to U.S. destinations outside the continental United States shall be to the common carrier free delivery point in the United States nearest the original port of embarkation. All charges associated with F.A.S., C.I.F., or other charges such as pier transfer, lift, ocean freight, and marine or war insurance shall be paid by the Purchaser, unless otherwise specifically agreed in a specific Purchase Order. In no event will Schneider Electric be responsible for demurrage or detention charges.

Delivery: F.O.B. Destination

When the Schneider Electric quotation is based on delivery F.O.B. Destination, for shipments for delivery within the continental United States, Schneider Electric will retain title and all risk of loss or damage in transit to the common carrier free delivery point in the United States nearest the first destination for a price addition of 2% of the net price. If the Purchaser elects this Option, Purchaser's obligations shall be as follows: a) Purchaser shall have the responsibility of inspecting the equipment for apparent loss or damage immediately upon its arrival at the free delivery point. b) In the event of apparent shipping loss or damage, Purchaser shall make written notation of the loss on the carrier's delivery receipt and, within 72 hours of delivery shall notify the Schneider Electric Customer Information Center. Purchaser shall not remove product from the point of examination and shall retain the shipping container and packing

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material. Purchaser shall request the carrier to make an inspection and send Schneider Electric a copy of the carrier's inspection report. c) In the event of concealed damage which occurred during transit and is discovered by the Purchaser after delivery, Purchaser shall report such damage immediately, but in no event later than 15 days after delivery, to the delivering carrier, and within 72 hours of discovery, shall notify the local Schneider Electric field office. If such notification is not made, Schneider Electric shall not be liable for loss or damage in transit.

Shipment and Routing

Schneider Electric shall select the point of origin of shipment, the method of transportation and the routing of the shipment. Purchasers that request expedited or special modes of transportation or routing involving air, premium or any other non-standard Schneider Electric shipping shall be assessed additional charges for shipping, handling, freight and expediting. Any rebates, allowances, discounts, or incentives received by Schneider Electric from its carriers shall be retained by Schneider Electric. All prices include domestic packaging only. When other than domestic packaging is required, contact your local Schneider Electric field office. Purchaser specified packaging and marking may be subject to additional charges.

Shortages

Claims for shortages or errors must be submitted to Schneider Electric within 30 days after invoice date, and failure to give such notice shall constitute unqualified acceptance and a waiver of all such claims by the Purchaser.

Installments

Schneider Electric reserves the right to make shipments in installments, unless otherwise expressly stipulated in a specific Purchase Order; and all such installments when separately invoiced shall be paid for when due per invoice without regard to subsequent shipments. Delay in shipment of any installment shall not relieve Purchaser of its obligation to accept remaining shipments.

Force Majeure

Schneider Electric shall not be liable for any damages as a result of any delays due to any causes beyond Schneider Electric's control, including, without limitation, an act of God; act of Purchaser or Schneider Electric supplier; embargo or other governmental act, regulation or request; fire; accident; strike; slowdown; flood; fuel or energy shortage; sabotage; war; riot; delay in transportation and inability to obtain necessary labor, materials or manufacturing facilities from usual sources. In the event of any such delay, the date of delivery shall be extended for a period of time reasonably necessary to overcome the effect of such delay.

Standard Warranty

Schneider Electric warrants equipment manufactured by it and sold through authorized sales channels to be free from defects in materials and workmanship for 12 months from the issuance of the customer provisional acceptance letter or 18 months from the invoice date of the last component of the order whichever occurs first. If within such period, any such equipment shall be proved to Schneider Electric's satisfaction to be non-conforming, such equipment shall be repaired or replaced at Schneider Electric's option. This warranty shall not apply (a) to equipment not manufactured by Schneider Electric, (b) to equipment that has been repaired or altered by other than Schneider Electric so as, in its judgment, to affect the same adversely, or (c) to equipment that has been subjected to negligence, accident, or damage by circumstances beyond Schneider Electric's control, or improper operation, maintenance or storage, or to other than normal use or service. With respect to equipment not manufactured by Schneider Electric, the warranty obligations of Schneider Electric shall in all respects conform and be limited to the warranty actually extended to Schneider Electric by its supplier. Non-conforming products must be returned at Schneider Electric's expense for evaluation unless this is waived in writing. Replacement products may be new or reconditioned. The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation, temporary power, or any other expenses that may be incurred in connection with repair or replacement. Any part or component changed or repaired in the context of the contractual warranty will itself benefit of a 3 month warranty but shall not cause the warranty duration of the overall System / Solution to be extended. Warranty is voided on genuine Schneider Electric products if they are reconditioned. There is no warranty on counterfeit products.

Optional Warranties

(Only available on equipment to be located in the U.S.)
Option 1—Extended: 2 to 5 years from Shipment. If requested by the Purchaser, and specifically accepted in writing by Schneider Electric, the standard warranty will be extended to two (2) years from date of invoice for a price addition of 1% of the net face value of the Purchase Order, will be extended to three (3) years from date of invoice for a price addition of 3% of the net face value of the Purchase Order, will be extended to four (4) years from date of invoice for a price addition of 5% of the net face value of the Purchase Order, or will be extended to five (5) years from date of invoice for a price addition of 7% of the net face value of the Purchase Order.

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Option 2—Special Warranty: If requested by the Purchaser, and specifically accepted in writing by Schneider Electric, the standard warranty will be extended, for a price addition of 3% of the net face value of the Purchase Order, to cover reimbursement of the direct costs of: a) Removal of non-conforming equipment or part thereof; b) Transporting equipment or parts to and from the place of repair; c) Off-loading of truck and reinstallation at the original site. Such special warranty, which may be chosen to cover a period not exceeding that of the standard or extended warranty (see above) selected, will not include the cost of providing temporary power or removing or replacing other apparatus or structures, or costs of transportation beyond a common carrier free delivery point in the continental United States. Further, the obligation of Schneider Electric for expenses and costs arising under this special warranty coverage will not exceed 50% of the net invoice price on the equipment being repaired. This warranty does not change or affect the allocation of risk or loss during shipment.
Option 3—Extended Warranty: Preventative Maintenance Agreements. If requested by the Purchaser, and specifically accepted by Schneider Electric, a Preventative Maintenance Agreement is available to provide preventative maintenance on equipment covered by the agreement. Terms of the preventative maintenance agreement shall be as defined in a separate Services Agreement agreed to by the parties.

Software

Any software or computer information, in whatever form, provided with equipment manufactured by Schneider Electric is licensed to Purchaser solely pursuant to standard licenses of Schneider Electric or its supplier of such software or computer information, which licenses are, hereby incorporated by reference. Schneider Electric does not warrant that such software or computer information will operate error free or without interruption, and warrants only that during the warranty period applicable to the equipment that the software will perform its essential functions. If such software or computer information fails to conform to such warranty, Schneider Electric will, at its option, provide an update to correct the non-conformance or replace the software or computer information with the latest available version containing a correction. Schneider Electric shall have no other obligation to provide updates or revisions.

Limitations

These disclaimers and limitations of remedies apply to all warranties offered to Purchaser and to all Purchase Orders. **The warranties set forth above are exclusive and in lieu of all other expressed or implied warranties (except warranties of title), including, but not limited to implied warranties of merchantability and fitness for a particular purpose.** Except as may be expressly provided in an authorized writing by Schneider Electric, Schneider Electric shall not be subject to any other obligations or liabilities whatsoever other than as stated above with respect to equipment sold or services rendered by Schneider Electric. Notwithstanding anything to the contrary herein contained **Schneider Electric Company, its contractors and suppliers of any tier, shall not be liable in contract, in tort (including negligence or strict liability) or otherwise for lost time, lost profits, or special, indirect, incidental or consequential damages of any kind whatsoever.** The remedies of the Purchaser are exclusive and the total cumulative liability of Schneider Electric, its contractors and suppliers of any tier, with respect to this contract or anything done in connection therewith, such as the use of any product covered by or furnished under the contract, whether in contract, in tort (including negligence or strict liability) or otherwise, shall not exceed the price of the product, part, or service on which such liability is based.

Intellectual Property

As to equipment proposed and furnished by Schneider Electric, Schneider Electric shall defend any suit or proceeding brought against Purchaser so far as based on a claim that such equipment constitutes an infringement of any copyright, trademark or patent of the United States.

This obligation shall be effective only if Purchaser shall have made all payments then due hereunder and if Schneider Electric is notified promptly in writing and given authority, information, and assistance at Schneider Electric's expense for the defense of the same. In the event the use of such equipment by Purchaser is enjoined in such a suit, Schneider Electric shall, at its expense, and at its sole option, either (a) procure for the Purchaser the right to continue using such equipment (b) modify such equipment to render it non-infringing (c) replace such equipment with non-infringing equipment, or (d) refund the purchase price (less depreciation) and the transportation and installation costs of such equipment. Schneider Electric will not be responsible for any compromise or settlement made without its written consent. The foregoing states the entire liability of Schneider Electric for patent, trademark or copyright infringement, and in no event shall Schneider Electric be liable if any infringement charge is based on the use of Schneider Electric equipment for a purpose other than that for which it was sold by Schneider Electric. As to any equipment furnished by Schneider Electric to Purchaser and manufactured in accordance with designs proposed by Purchaser, the Purchaser shall indemnify Schneider Electric against any award made against Schneider Electric for patent, trademark, or copyright infringements.

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Witness of Tests and Factory Inspections

Normal production schedules do not provide the opportunity for Purchaser to witness routine factory tests on equipment or make factory inspections. Witnessing of tests or factory inspections by the Purchaser may result in delays of production for which Schneider Electric will not be responsible. Witness testing and factory inspections must be requested at time of quotation and confirmed at order entry. Standard Schneider Electric factory testing and inspection will apply. Schneider Electric will notify Purchaser fourteen (14) calendar days prior to scheduled witness testing or inspection. In the event Purchaser is unable to attend, the Parties may mutually agree on a rescheduled date. However, Schneider Electric, at its sole option, may consider the witness tests and/or inspection waived, and ship and invoice the Products. Purchaser will be responsible for paying for all scheduled witness testing, whether or not Purchaser attends.

Return of Equipment

No equipment may be returned without first obtaining Schneider Electric's written permission and a returned material identification tag. Returned equipment must be of current manufacture, in the original packaging, unused, undamaged and in saleable condition, securely packed to reach Schneider Electric without damage and labeled with the return authorization number. Any cost incurred by Schneider Electric to put equipment in first class condition will be charged to the Purchaser. Returns will be credited at price invoiced by Schneider Electric less a restocking fee of 25% invoice price. Special Order and Custom equipment is not returnable. Schneider Electric shall bear the cost of returns resulting from Schneider Electric error, and method and route of return will be at the discretion of Schneider Electric. Costs incurred by failure to follow Schneider Electric direction will be borne by the Purchaser.

Nuclear Applications Terms and Conditions

Unless otherwise agreed in writing by a duly authorized representative of Schneider Electric, products sold hereunder are not intended for use in or in connection with any nuclear facility or activity. If so used, Schneider Electric disclaims all liability for any damage, injury or contamination; and Purchaser shall indemnify Schneider Electric against any such liability, whether arising as a result of breach of contract, warranty or tort (including negligence) or otherwise.

Patterns and Tools

Notice will be given if special patterns or tools are required to complete any order. Charges for such patterns or tools do not convey title thereto or the right to remove them from Schneider Electric's plant. If patterns or tools are not used for a period of two years, Schneider Electric shall have the right to scrap them without notice.

Product Notices

Purchaser shall promptly supply the user (including its employees) of the product with all Schneider Electric supplied product notices, warnings, instructions, recommendations and similar materials.

Errors

Schneider Electric reserves the right to correct errors or omissions in quotations, acknowledgments, invoices, or other documents.

OSHA Compliance

Compliance with OSHA or similar federal, state or local laws during the operation or use of the product(s) is the sole responsibility of the Purchaser.

Termination

Any order may be terminated by the Purchaser only upon written notice to Schneider Electric will be subject the following cancellation schedule:

- 20% after issuance of approval drawings
- 50% at release to manufacturing
- 100% at start of fabrication

Cancellation

Schneider Electric shall have the right to cancel any order or contract at any time by written notice for any material breach of the contract by the Purchaser, including material delays in releasing equipment for manufacture or approval drawings and excessive changes to specifications or drawings.

Excusable Delay

Purchaser acknowledges that products sold hereunder and/or parts thereof may be produced in, or otherwise sourced from, or will be installed in areas already affected by, or that may be affected in the future by, the prevailing COVID-19 epidemics/pandemic and that the situation may trigger stoppage, hindrance or delays in the capacity of Schneider Electric (or its subcontractors) to produce, deliver, install or service the products, irrespective of whether such stoppage, hindrance or delays are due to measures imposed by authorities or deliberately implemented by Schneider Electric (or its subcontractors) as preventive or curative measures to avoid harmful contamination exposure of the employees of

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Schneider Electric (or its subcontractors). Purchaser therefore recognizes that such circumstances shall be considered as a cause for excusable delay not exposing Schneider Electric to contractual sanctions including without limitation any delay penalties, liquidated or other damages or termination for default.

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ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities℠

May 11, 2023

Mr. Ernest (Ernie) West, P.E.,
Township Engineer
Delta Charter Township
7710 West Saginaw Hwy
Lansing, Michigan 48917

RE: **Ultium 3 Battery Plant**
Bid Package 4 - Equalization Basin and GM Pump Station Improvements
Electrical & Instrumentation Equipment
Equipment Procurement Award Recommendation

Dear Mr. West:

On behalf of Delta Township, quotes were requested from the lowest responsive suppliers of electrical and instrumentation equipment as solicited by Tetra Tech for the Water Booster Station portion of Bid Package 4.

On May 5, 2023 we received the following quotes for equipment.

Supplier	Base Bid
Kendall Electric Rockwell MCCs	$ 88,552.19
Kendall Electric Eaton Gear	$ 14,088.59
Commerce Controls, Inc.	$ 472,294.34
Total	**$ 574,935.12**

The attached spreadsheet summarizes the bids, and the attached quotes provide additional details.

Our Engineer's Opinion of Probable Cost (EOPC) for the motor control centers (MCCs) was $100,000. The pricing provided by Kendall Electric/Rockwell is detailed and consistent with the pricing from the Water Booster Station. We recommend that the Township purchase the MCCs from Kendall Electric in the amount of $88,552.19 (includes freight, but no tax). The quote does not include tax but does include freight. The lead time for the MCCs is 51 weeks after submittal approval.

Our EOPC for the transformers and lighting panelboards was $20,000. The pricing provided by Kendall Electric/Eaton is detailed and consistent with the pricing from the Water Booster Station. We recommend that the Township purchase the electrical gear from Kendall Electric in the amount of $14,088.59 (includes freight, but no tax). The lead time for this gear is approximately 23 weeks after submittal approval.

Our EOPC for the SCADA control panels and field instrumentation was $500,000. The pricing provided by Commerce Controls, Inc. (CCI) is detailed and consistent with the pricing from the Water Booster Station. The original quote provided by Commerce Controls includes tax and freight. The lead time for the control panels is long and CCI stated that they plan to build all the panels at the same time and have them available for factory testing in the spring of 2024. We recommend that the Township purchase the control panels and field instrumentation from Commerce Controls, Inc. in the amount of $472,294.34 (adjusted to remove tax and include freight).

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

The referenced equipment and materials will be included as Owner Furnished, Contractor Installed equipment and materials in the Ultium 3 Battery Plant Bid Package 4 - Equalization Basin and Water Booster Station Improvements. The project's successful bidder will be responsible for paying Michigan sales/use tax on the equipment and for receiving, unloading, and installing the equipment.

Should there be any questions, please contact me at (734) 323-8954.

Sincerely,
OHM Advisors



Jennifer Drinan, P.E.

Encl: Bid Summary Sheet
Detailed Supplier Quotes

cc: Jennifer Bernardin, Delta Township
Gene Jones, P.E., Tetra Tech
File

Ultium 3 Battery Plant - Bid Package 4
EQ Basin and GM PS Improvements
Electrical and Instrumentation Equipment
Equipment Procurement Award Recommendation

Facility	Equipment	Supplier	Equipment Manufacturer	Lead Time (weeks)	Quote w/o Tax	Notes
GM PS	MCC C	Kendall Electric	Rockwell	51	$43,113.07	
GM PS	Surge Protection	Kendall Electric	Rockwell		$8,602.94	
EQ Basin	MCC D	Kendall Electric	Rockwell	51	$26,733.24	
	Surge Protection	Kendall Electric	Rockwell		$8,602.94	
EQ Basin and GM PS	Freight	Kendall Electric	Rockwell		$1,500.00	
Subtotal Kendall Rockwell					**$88,552.19**	
GM PS	Panelboard C	Kendall Electric	Eaton	23	$1,817.44	Includes freight
GM PS	SPD	Kendall Electric	Eaton	6	$2,464.31	Includes freight
GM PS	15KVA transformer	Kendall Electric	Eaton	12	$3,135.17	Includes freight
EQ Basin	Panelboard D	Kendall Electric	Eaton	23	$1,072.19	Includes freight
EQ Basin	SPD	Kendall Electric	Eaton	6	$2,464.31	Includes freight
EQ Basin	15KVA transformer	Kendall Electric	Eaton	12	$3,135.17	Includes freight
Subtotal Kendall Eaton					**$14,088.59**	
EQ Basin and GM PS	Control Panels	Commerce Controls		Spring 2024 for factory testing	$365,638.68	Quote of $387,577 Includes tax and freight
EQ Basin and GM PS	Field Instruments	Commerce Controls		Spring 2024 for factory testing	$106,655.66	Quote of $113,055 Includes tax and freight
Subtotal Commerce Controls					**$472,294.34**	
Grand Total					**$574,935.12**	

KENDALL ELECTRIC

A MEMBER OF THE KENDALL GROUP

KENDALL ELECTRIC
7633 LANAC ST
LANSING MI 48917-9517
517-322-2411 Fax 517-322-0743

Quotation S112976307

Order Date: 05/05/23	
Terms: Net Due 30 Days	
Customer PO#	Release #
MCCs C and D	
Ordered By: GENE/ TETRA TECH	
Phone: 517-323-8500	

Sold To: 1309
DELTA (TOWNSHIP OF)
7710 W SAGINAW HWY
LANSING, MI 48917-9712

Ship To: 30938
DELTA (TOWNSHIP OF) UTILITIES
7000 WILLOW HWY
LANSING, MI 48917-9728

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson
EGDC	ELAN34	Out: No In: No	JOANNE CEBELAK, 1729-ELAN	JOANNE CEBELAK, 1729-ELAN

Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
	1ea	2955646	MCC2100-ENG ALLEN-BRADLEY MOTOR CONTROL CENTER MCC-C #5306243/10 ** ESTIMATED 51 WEEKS TO DELIVER. ** IF APPROVAL CYCLE IS REQUIRED, ADD 8 WEEKS	05/05/	43113.070/ea	43,113.07
	1ea	2955646	MCC2100-ENG ALLEN-BRADLEY MOTOR CONTROL CENTER MCC-D #5306243/11 ** ESTIMATED 51 WEEKS TO DELIVER. ** IF APPROVAL CYCLE IS REQUIRED, ADD 8 WEEKS	05/05/	26733.240/ea	26,733.24
	2ea	4727716	TSRI300FS-3D4-P101-BF TSRI SERIES SURGE PROTECTION DEVICE	05/05/	8602.940/ea	17,205.88
	1ea	3699834	*** SHIPPING AND/OR HANDLING *** MAY USE OWN FREIGHT COMPANY OR PLUS FREIGHT FOB DESTINATION IS +$1500 AND IS HIGHLY RECOMMMENDED. CUSTOMER IS RESPONSIBLE FOR VERIFYING ALL MATERIAL AND QUANTITIES ARE CORRECT PRIOR TO ORDERING *** TAXES NOT INCLUDED ***	05/05/	0.000/ea	0.00

This quotation is an offer to sell you the goods or services described herein on the terms set forth above and on our standard Terms and Conditions of Sale, which are available at http://www.kendallgroup.com/legal/t_and_c_sale or by calling 800-632-5422. Your order of any goods or services identified in this quotation constitutes your acceptance of our standard Terms and Conditions of Sale. We object to any different or additional terms and reject any prior offers we received from you. Wire, conduit & pipe pricing valid for 05/05/2023 only. Open, special order or or non-stock items may not be returnable. Prices expire on, and are subject to change after, 05/04/2023 unless otherwise stated on our quotation, cover page, or e-mail.

Subtotal	87052.19
S&H CHGS	1,500.00 TBD
Sales Tax	TBD
Amount Due	87052.19

Thank You - We Appreciate Your Business

Printed: 17:27:24 05 MAY 2023

$88,552.19

Rockwell Automation

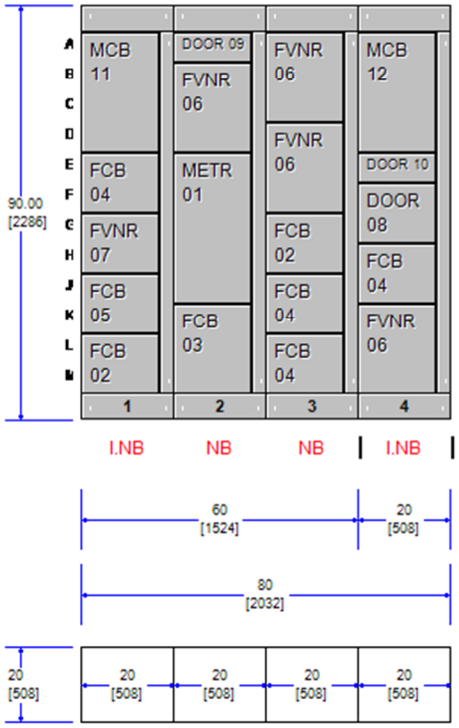
Centerline 2100 Motor Control Center

Front Elevation

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC C	Created By:	Mark Michalak
Project ID #:	5306243/10	Date/Time:	05/02/23 - 8:20

Rockwell Automation/Allen-Bradley

PowerControl Builder Lineup



NOTE: Dimensions are subject to change after design review.

ENCLOSURE: NEMA Type 12 (Fully Gasketed with Bottom Closing Plates)

Estimated Heat Loss: 954 watts

BTU/hr Required: 3256

Air Conditioning Tons: 0.27

Estimated Weight: 2000 lb (907 kg)

Heat loss values are for estimating purposes only.

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Centerline 2100 Motor Control Center

Structure and Unit Specifications

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC C	Created By:	Mark Michalak
Project ID #:	5306243/10	Date/Time:	05/02/23 - 8:20

Unit Diagram Location: Central location

STANDARD STRUCTURE / SECTION SPECIFICATIONS

Line Voltage / Frequency: 480 Volts / 60 Hertz
Class I Wiring Type: B-T Control and Power Terminal Blocks
NEMA Enclosure Type: 12 - Fully Gasketed with Bottom Plates

QTY	STANDARD STRUCTURE / SECTION SPECIFICATION	DELIV PROG
1	POWER SYSTEM - WYE, 3-PHASE, 3-WIRE WITH SOLIDLY GROUNDED NEUTRAL	SCII
4	AUTOMATIC SHUTTERS FOR STAB OPENINGS	SCII
4	SECT DEPTH 20"	SCII
4	NEMA ENCL TYPE 12 (FULLY GASKETED, DOORS AND REMOVEABLE COVERS)	SCII
4	BASE SECTION	SCII
4	HORIZ GRD BUS, 0.25" X 1" CU/UNPLATED(Bottom)	SCII
4	HORIZ PWR BUS, 600A, CU/TIN	SCII
4	BUS BRACING 65KA RMS SYMMETRICAL	SCII
4	NEUT CONN PLATE, 280A, CU/TIN IN HORIZ WIREWAY	SCII
4	VERT PWR BUS, 300A, CU/TIN	SCII
4	VERT GRD BUS, PLUG-IN, STEEL/ZINC PLATED	SCII

STARTER / UNIT SPECIFICATIONS

ID	QTY	CATALOG NUMBER	SPACE FACTOR	DELIV PROG
1	1	2190-CJB-54M-86W50CXB	2.5	ENG
-	1	*1.0 Space Factor Adder*	-	FT2
-	1	*85-264 VAC TO 24 VDC 1.3A POWER SUPPLY,1794-PS13*	-	ENG
-	1	*Stratix 2000 Ethernet Switch (5 Port) (For use with PowerMonitor unit only),1783-US5T CMOD Note Text - Not to be used as a replacement for the Stratix 5700*	-	ENG
2	2	2193F-AJB-32TGM-98	1	SC
3	1	2193F-CJC-45TJML-98	1.5	PE
4	4	2193F-AJB-35TGM-98	1	SC
5	1	2193F-AJB-31TGM-98	1	SC
6	4	2113B-DDB-1F-5LG-6P-7FE1G-47TGA-98-911-9000	1.5	SC

7	1	2113B-CDB-1F-5LG-6P-7FE1F-44TGA-98-911-9000	1	SC
8	1	2100-BJ10	1	SC
9	1	2100-BJ05	0.5	SC
10	1	2100-BJ05	0.5	SC
11	1	2193MT-DJC-48TKM-98-201	2	FT1
-	1	*WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required.* *CMOD Note Text - When selecting CMOD 2321, you must include the standard option -201 in the base catalog string. CMOD 2805 standard option -201 not required.*	-	FT1
12	1	2193MT-DJC-48TKM-98-201	2	FT1
-	1	*WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required.* *CMOD Note Text - When selecting CMOD 2321, you must include the standard option -201 in the base catalog string. CMOD 2805 standard option -201 not required.*	-	FT1

		DOCUMENTATION - CENTRAL LOCATION

	19	Acrylic - White letters on black	SC

Total Space Factors Used = 24

Delivery Program Type = ENG

Rockwell Automation

Centerline 2100 Motor Control Center

MCC Details

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC C	Created By:	Mark Michalak
Project ID #:	5306243/10	Date/Time:	05/02/23 - 8:20

The details of the proposed motor control center are as follows:

Category	Description
Total Section(s)	4
Total Shipping Block(s)	2
Section Depth	Front Mounted, 20" Deep
Section Height	90" High
Enclosure	12 - Fully Gasketed with Bottom Plates
Designed For Use With	Power System Type: Wye, 3-phase, 3-wire with solidly grounded neutral
MCC Connection Type	Main Circuit Breaker
Incoming Cable Entry	Top, Section 1
Incoming Cable Entry	Top, Section 4
Main Bus Rating	600A
Main Bus Material	Copper / Tin Plated
Main Bus Bracing	65kA (rms symmetrical)
Neutral Connection Plate Location	Bottom
Neutral Connection Plate Supplied	In Section(s): 1, 2, 3, 4
Horizontal Ground Bus	1/4" X 1", Bottom, Unplated Copper
Vertical Ground Bus	Plug-in Zinc Plated Steel
Stab Opening Protection	Automatic Shutters
Master Nameplate	No

Rockwell Automation

Centerline 2100 Motor Control Center

Unit List

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC C	Created By:	Mark Michalak
Project ID #:	5306243/10	Date/Time:	05/02/23 - 8:20

ID	QTY	Catalog Number / Unit Description
1	1	2190-CJB-54M-86W50CXB / Metering Unit - Bul 1426-M5 PM 5000 Standard
2	2	2193F-AJB-32TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 30A Trip
3	1	2193F-CJC-45TJML-98 / Feeder Circuit Breaker - 250A Frame Rating with 225A Trip
4	4	2193F-AJB-35TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 50A Trip
5	1	2193F-AJB-31TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 20A Trip
6	4	2113B-DDB-1F-5LG-6P-7FE1G-47TGA-98-911-9000 / Full Voltage Non-Reversing Starter w/CB - 50 HP with Circuit Breaker Instantaneous MCP (100A Trip)
7	1	2113B-CDB-1F-5LG-6P-7FE1F-44TGA-98-911-9000 / Full Voltage Non-Reversing Starter w/CB - 25 HP with Circuit Breaker Instantaneous MCP (50A Trip)
8	1	2100-BJ10 / Blank Unit Door - 1.0 Space Factor
9	1	2100-BJ05 / Blank Unit Door - 0.5 Space Factor
10	1	2100-BJ05 / Blank Unit Door - 0.5 Space Factor
11	1	2193MT-DJC-48TKM-98-201 / Main Circuit Breaker - 400A Frame Rating - Top Mounted with 300A Trip
12	1	2193MT-DJC-48TKM-98-201 / Main Circuit Breaker - 400A Frame Rating - Top Mounted with 300A Trip

Rockwell Automation

Centerline 2100 Motor Control Center

Unit Description

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC C	Created By:	Mark Michalak
Project ID #:	5306243/10	Date/Time:	05/02/23 - 8:20

General Information

Line Voltage / Frequency:	480 Volts / 60 Hertz
Power System Configuration:	Wye, 3-phase, 3-wire with solidly grounded neutral
Class I Wiring Type:	B-T Control and Power Terminal Blocks
NEMA Enclosure Type:	12 - Fully Gasketed with Bottom Plates
Available Fault Current:	50,001 to 65,000 A
Unit Nameplate Type:	Acrylic - White letters on black
Delivery Program:	ENG

Unit Information

Description	Unit Features
Unit Loc: 01A Del Prog: FT1 **Unit ID: 11** MCB - Main Circuit Breaker **Rating** 300A	**Catalog Number: 2193MT-DJC-48TKM-98-201** Total Space Factor = 2 Circuit Breaker: Electronic (LSI), 65kA at 480V (300) with Frame Rating of 400A (-NONE-Frame), Top Mounted, 300A Trip Lugs Supplied: Std Mech/Lug Pads, 250 kcmil Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98) Provision For Key Interlock (-201) **Engineered Spec(s)/Modification(s)** (1) WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required. (1) Engineered Modification and/or Custom Diagram
Unit Loc: 01E Del Prog: SCII **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 50A **Wiring Diagram** 10004055828 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-35TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (50) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 50A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 01G Del Prog: SCII **Unit ID: 7** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 25 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 11-55 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 32.34 Motor Service Factor = 1.15	**Catalog Number: 2113B-CDB-1F-5LG-6P-7FE1F-44TGA-98-911-9000** Size: NEMA Size 2 Total Space Factor = 1 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (50A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)
Unit Loc: 01J Del Prog: SCII **Unit ID: 5** FCB - Feeder Circuit Breaker **Rating** 20A **Wiring Diagram** 10004101563 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-31TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (20) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 20A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01L Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02A Del Prog: SCII **Unit ID: 9** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ05** Total Space Factor = 0.5

Unit Loc: 02B Del Prog: SCII **Unit ID: 6** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 50 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 20-100 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 62.3 Motor Service Factor = 1.15	**Catalog Number: 2113B-DDB-1F-5LG-6P-7FE1G-47TGA-98-911-9000** Size: NEMA Size 3 Total Space Factor = 1.5 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (100A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)
Unit Loc: 02E Del Prog: ENG **Unit ID: 1** METR - Metering Unit **Wiring Diagram** 10004450136	**Catalog Number: 2190-CJB-54M-86W50CXB** Total Space Factor = 2.5 Metering Type: Bul 1426-M5 PM 5000 Standard Ammeter Scale 800 **Engineered Spec(s)/Modification(s)** (1) 1.0 Space Factor Adder (1) Engineered Modification and/or Custom Diagram (1) 85-264 VAC TO 24 VDC 1.3A POWER SUPPLY,1794-PS13 (1) Stratix 2000 Ethernet Switch (5 Port) (For use with PowerMonitor unit only),1783-US5T
Unit Loc: 02K Del Prog: PEII **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 225A **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-CJC-45TJML-98** Total Space Factor = 1.5 Circuit Breaker: Electronic (LSI), 65kA at 480V (225) with Frame Rating of 250A (J6H Frame), Plug-In Unit, 225A Trip Lugs Supplied: Std Mech/Lug Pads, 250 kcmil Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03A Del Prog: SCII **Unit ID: 6** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 50 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 20-100 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 62.3 Motor Service Factor = 1.15	**Catalog Number: 2113B-DDB-1F-5LG-6P-7FE1G-47TGA-98-911-9000** Size: NEMA Size 3 Total Space Factor = 1.5 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (100A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)

Unit Loc: 03D Del Prog: SCII **Unit ID: 6** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 50 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 20-100 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 62.3 Motor Service Factor = 1.15	**Catalog Number: 2113B-DDB-1F-5LG-6P-7FE1G-47TGA-98-911-9000** Size: NEMA Size 3 Total Space Factor = 1.5 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (100A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)
Unit Loc: 03G Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03J Del Prog: SCII **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 50A **Wiring Diagram** 10004055828 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-35TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (50) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 50A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03L Del Prog: SCII **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 50A **Wiring Diagram** 10004055828 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-35TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (50) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 50A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 04A **Del Prog: FT1** **Unit ID: 12** MCB - Main Circuit Breaker **Rating** 300A	**Catalog Number: 2193MT-DJC-48TKM-98-201** Total Space Factor = 2 Circuit Breaker: Electronic (LSI), 65kA at 480V (300) with Frame Rating of 400A (-NONE-Frame), Top Mounted, 300A Trip Lugs Supplied: Std Mech/Lug Pads, 250 kcmil Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98) Provision For Key Interlock (-201) **Engineered Spec(s)/Modification(s)** (1) Engineered Modification and/or Custom Diagram (1) WARNING ONLY - Key Interlock NOT included. Need to add either CMOD 2321 (G-N Frame, or fusible disconnect) or 2805 (R Frame), if key interlock is required.
Unit Loc: 04E **Del Prog: SCII** **Unit ID: 10** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ05** Total Space Factor = 0.5
Unit Loc: 04F **Del Prog: SCII** **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 04H **Del Prog: SCII** **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 50A **Wiring Diagram** 10004055828 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-35TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (50) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 50A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 04K **Del Prog: SCII** **Unit ID: 6** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 50 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 20-100 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 62.3 Motor Service Factor = 1.15	**Catalog Number: 2113B-DDB-1F-5LG-6P-7FE1G-47TGA-98-911-9000** Size: NEMA Size 3 Total Space Factor = 1.5 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (100A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)

Rockwell Automation

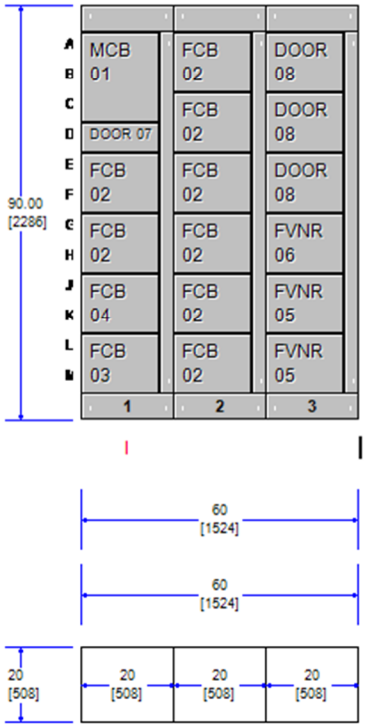
Centerline 2100 Motor Control Center

Front Elevation

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC D	Created By:	Mark Michalak
Project ID #:	5306243/6	Date/Time:	05/02/23 - 8:05

Rockwell Automation/Allen-Bradley

PowerControl Builder Lineup



NOTE: Dimensions are subject to change after design review.

ENCLOSURE: NEMA Type 12 (Fully Gasketed with Bottom Closing Plates)

Estimated Heat Loss: 713 watts

BTU/hr Required: 2433

Air Conditioning Tons: 0.20

Estimated Weight: 1500 lb (680 kg)

Heat loss values are for estimating purposes only.

Rockwell Automation

Centerline 2100 Motor Control Center

Structure and Unit Specifications

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC D	Created By:	Mark Michalak
Project ID #:	5306243/6	Date/Time:	05/02/23 - 8:05

Unit Diagram Location: Within each unit

STANDARD STRUCTURE / SECTION SPECIFICATIONS

Line Voltage / Frequency: 480 Volts / 60 Hertz
Class I Wiring Type: B-T Control and Power Terminal Blocks
NEMA Enclosure Type: 12 - Fully Gasketed with Bottom Plates

QTY	STANDARD STRUCTURE / SECTION SPECIFICATION	DELIV PROG
1	POWER SYSTEM - WYE, 3-PHASE, 3-WIRE WITH SOLIDLY GROUNDED NEUTRAL	SCII
3	AUTOMATIC SHUTTERS FOR STAB OPENINGS	SCII
3	SECT DEPTH 20"	SCII
3	NEMA ENCL TYPE 12 (FULLY GASKETED, DOORS AND REMOVEABLE COVERS)	SCII
3	BASE SECTION	SCII
3	HORIZ GRD BUS, 0.25" X 1" CU/UNPLATED(Bottom)	SCII
3	HORIZ PWR BUS, 600A, CU/TIN	SCII
3	BUS BRACING 65KA RMS SYMMETRICAL	SCII
3	VERT PWR BUS, 300A, CU/TIN	SCII
3	VERT GRD BUS, PLUG-IN, STEEL/ZINC PLATED	SCII

STARTER / UNIT SPECIFICATIONS

ID	QTY	CATALOG NUMBER	SPACE FACTOR	DELIV PROG
1	1	2193MT-CJC-44TJM-98	1.5	SC
2	8	2193F-AJB-32TGM-98	1	SC
3	1	2193F-AJB-36TGM-98	1	SC
4	1	2193F-AJB-35TGM-98	1	SC
5	2	2113B-CDB-1F-5LG-6P-7FE1F-44TGA-98-911-9000	1	SC
6	1	2113B-BDB-1F-5LG-6P-7FE1E-41TGA-98-911-9000	1	SC
7	1	2100-BJ05	0.5	SC
8	3	2100-BJ10	1	SC

		DOCUMENTATION - WITHIN EACH UNIT

	18	Acrylic - White letters on black	SC

Total Space Factors Used = 18

Delivery Program Type = SCII

Rockwell Automation

Centerline 2100 Motor Control Center

MCC Details

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC D	Created By:	Mark Michalak
Project ID #:	5306243/6	Date/Time:	05/02/23 - 8:05

The details of the proposed motor control center are as follows:

Category	Description
Total Section(s)	3
Total Shipping Block(s)	1
Section Depth	Front Mounted, 20" Deep
Section Height	90" High
Enclosure	12 - Fully Gasketed with Bottom Plates
Designed For Use With	Power System Type: Wye, 3-phase, 3-wire with solidly grounded neutral
MCC Connection Type	Main Circuit Breaker
Incoming Cable Entry	Top, Section 1
Main Bus Rating	600A
Main Bus Material	Copper / Tin Plated
Main Bus Bracing	65kA (rms symmetrical)
Horizontal Ground Bus	1/4" X 1", Bottom, Unplated Copper
Vertical Ground Bus	Plug-in Zinc Plated Steel
Stab Opening Protection	Automatic Shutters
Master Nameplate	No

Rockwell Automation

Centerline 2100 Motor Control Center

Unit List

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC D	Created By:	Mark Michalak
Project ID #:	5306243/6	Date/Time:	05/02/23 - 8:05

ID	QTY	Catalog Number / Unit Description
1	1	2193MT-CJC-44TJM-98 / Main Circuit Breaker - 250A Frame Rating - Top Mounted with 200A Trip
2	8	2193F-AJB-32TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 30A Trip
3	1	2193F-AJB-36TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 60A Trip
4	1	2193F-AJB-35TGM-98 / Feeder Circuit Breaker - 125A Frame Rating with 50A Trip
5	2	2113B-CDB-1F-5LG-6P-7FE1F-44TGA-98-911-9000 / Full Voltage Non-Reversing Starter w/CB - 25 HP with Circuit Breaker Instantaneous MCP (50A Trip)
6	1	2113B-BDB-1F-5LG-6P-7FE1E-41TGA-98-911-9000 / Full Voltage Non-Reversing Starter w/CB - 10 HP with Circuit Breaker Instantaneous MCP (30A Trip)
7	1	2100-BJ05 / Blank Unit Door - 0.5 Space Factor
8	3	2100-BJ10 / Blank Unit Door - 1.0 Space Factor

Rockwell Automation

Centerline 2100 Motor Control Center

Unit Description

Project Name:	Delta Township WBS Upgrade	Salesperson:	Mark Michalak
Project Item:	Delta Township GM Lift Station MCC D	Created By:	Mark Michalak
Project ID #:	5306243/6	Date/Time:	05/02/23 - 8:05

General Information

Line Voltage / Frequency:	480 Volts / 60 Hertz
Power System Configuration:	Wye, 3-phase, 3-wire with solidly grounded neutral
Class I Wiring Type:	B-T Control and Power Terminal Blocks
NEMA Enclosure Type:	12 - Fully Gasketed with Bottom Plates
Available Fault Current:	50,001 to 65,000 A
Unit Nameplate Type:	Acrylic - White letters on black
Delivery Program:	SCII

Unit Information

Description	Unit Features
Unit Loc: 01A Del Prog: SCII **Unit ID: 1** MCB - Main Circuit Breaker **Rating** 200A **Wiring Diagram** 10004346540 **Name Plate Information** MAIN INCOMING POWER	**Catalog Number: 2193MT-CJC-44TJM-98** Total Space Factor = 1.5 Circuit Breaker: Thermal Magnetic, 65kA at 480V (200) with Frame Rating of 250A (-NONE- Frame), Top Mounted, 200A Trip Lugs Supplied: Std Mech/Lug Pads, 250 kcmil Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01D Del Prog: SCII **Unit ID: 7** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ05** Total Space Factor = 0.5
Unit Loc: 01E Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 01G Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Name Plate Information** VALVE ACTUATOR NO. 3 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01J Del Prog: SCII **Unit ID: 4** FCB - Feeder Circuit Breaker **Rating** 50A **Wiring Diagram** 10004055828 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-35TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (50) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 50A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 01L Del Prog: SCII **Unit ID: 3** FCB - Feeder Circuit Breaker **Rating** 60A **Wiring Diagram** 10004055802 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-36TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (60) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 60A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 02A Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02C Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02E Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02G Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)

Unit Loc: 02J Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 02L Del Prog: SCII **Unit ID: 2** FCB - Feeder Circuit Breaker **Rating** 30A **Wiring Diagram** 10004127569 **Overload Relay(s)** Motor Full Load Current (FLC) = Not Available	**Catalog Number: 2193F-AJB-32TGM-98** Total Space Factor = 1 Circuit Breaker: Thermal Magnetic, 65kA at 480V (30) with Frame Rating of 125A (G6C Frame), Plug-In Unit, 30A Trip Lugs Supplied: Std Mech/Lug Pads, 1/0 AWG Size Wire, 1 Cables per Phase **Features Included** 1 NO Aux on Disc. Switch (-98)
Unit Loc: 03A Del Prog: SCII **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03C Del Prog: SCII **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03E Del Prog: SCII **Unit ID: 8** DOOR - Blank Unit Door	**Catalog Number: 2100-BJ10** Total Space Factor = 1
Unit Loc: 03G Del Prog: SCII **Unit ID: 6** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 10 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 5.4-27 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 13.65 Motor Service Factor = 1.15	**Catalog Number: 2113B-BDB-1F-5LG-6P-7FE1E-41TGA-98-911-9000** Size: NEMA Size 1 Total Space Factor = 1 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (30A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)

Unit Loc: 03J Del Prog: SCII **Unit ID: 5** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 25 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 11-55 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 32.34 Motor Service Factor = 1.15	**Catalog Number: 2113B-CDB-1F-5LG-6P-7FE1F-44TGA-98-911-9000** Size: NEMA Size 2 Total Space Factor = 1 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (50A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)
Unit Loc: 03L Del Prog: SCII **Unit ID: 5** FVNR - Full Voltage Non-Reversing Starter w/CB **Rating** 25 HP **Overload Relay(s)** E100 Electronic Overload (7FE1) Trip setting adjustment from 11-55 AMPS Motor RPM = 1800 Motor Full Load Current (FLC) = 32.34 Motor Service Factor = 1.15	**Catalog Number: 2113B-CDB-1F-5LG-6P-7FE1F-44TGA-98-911-9000** Size: NEMA Size 2 Total Space Factor = 1 Wiring: NEMA Type B wiring Circuit Breaker: Instantaneous MCP, 100kA at 480V (G8P Frame) (50A Trip) Control: Transformer with Secondary Fuse, Standard Capacity, Primary Fusing, 120V/60Hz Control Wiring: #16 AWG MTW(TEW) Cu **Features Included** Push Buttons: HAND-START, HAND-STOP, HAND-OFF-AUTO (-1F) Pilot Light(s): ON Type: LED Push To Test, Color(s): Green (-5LG) Std Capacity Control Power Transformer W/Primary Fuses (-6P) 1 NO Aux on Disc. Switch (-98) 2 NC on Starter (-911) 3 NO on Starter (-9000)

KENDALL ELECTRIC
A MEMBER OF THE KENDALL GROUP

Detail Bill of Material

Project Name: Delta Township GM Lift Station and Equalization Basin
Negotiation No: K03Z0502X3K1
General Order No:
Alternate No: 0000

*******Customer is responsible for verifying all material and quantities are correct prior to ordering.*******

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
001I	1	Panelboards	30 Circuits, 125A, Fully Rated, 208Y/120V 3Ph 4W, Copper Bus, 10kAIC, 100A, 3P PDD23F0100 Main Breaker[Top Fed], Surface Mounted	**$1,817.44**	**$1,817.44**

Catalog No P21A225BT30CH01
Designation C

Qty	List of Materials
1	100A, 3P PDD23F0100 Main Breaker
1	Trip Unit Amps, 60A
1	1 NO & 1 NC Aux Contact (Integral)
1	30A, 3P BAB-H Branch Breaker
3	1P Branch Provision Only
24	20A, 1P BAB Branch Breaker
1	50A, 3P PDG23G0050 Sub-Feed Breaker
1	Copper Main Bus, 225 Amps
1	Std. Bolted Cu Ground Bar (Cu Cable Only)
1	Panel Nameplate - White with Black Letters
1	Circuit Directory - Metal Frame with Plastic Cover
1	Type 1 Enclosure: EZB2048R
1	EZ Trim, Door in Door, Concealed Hardware: EZT2048S

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
002I	1	Panelboards	30 Circuits, 125A, Fully Rated, 208Y/120V 3Ph 4W, Copper Bus, 10kAIC, 100A, 3P PDD23F0100 Main Breaker[Top Fed], Surface Mounted	**$1,072.19**	**$1,072.19**

Catalog No P21A225BT30CH01
Designation D

Qty	List of Materials
1	100A, 3P PDD23F0100 Main Breaker
3	1P Branch Provision Only
24	20A, 1P BAB Branch Breaker
1	30A, 3P BAB-H Branch Breaker
1	Copper Main Bus, 225 Amps
1	Std. Bolted Cu Ground Bar (Cu Cable Only)
1	Panel Nameplate - White with Black Letters
1	Circuit Directory - Metal Frame with Plastic Cover
1	Type 1 Enclosure: EZB2042R
1	EZ Trim, Door in Door, Concealed Hardware: EZT2042S

This quotation is an offer to sell you the goods or services described herein on the terms set forth above and, unless otherwise agreed in a signed writing on our standard Terms and Conditions of Sale which are available at www.kendallelectric.com/tandc.asp or by calling 800-632-5422. Your order of any goods or services identified in the quotation constitutes your acceptance of our standard Terms and Conditions of Sale. We object to any different or additional terms and reject any prior offers we received from you. Prices expire on and are subject to change 30 days after bid date.

Mick Heiler
7633 Lanac St
Lansing , MI 48917-9517

05/08/2023 12:37 PM

Detail Bill of Material

Project Name: Delta Township GM Lift Station and Equalization Basin
Negotiation No: K03Z0502X3K1
General Order No:
Alternate No: 0000

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
003	2	SPD	SPD	**$2,464.31**	**$4,928.62**

Catalog No SPD120208Y1M
Designation C,D

Catalog No	Qty	List of Materials
SPD120208Y1M	1	Eaton SPD series120kA120/208VBasicNEMA 1

Item No.	Qty	Product	Description	Unit Quote Price	Extended Quote
004	2	Dry Type Transformers	Transformer Type: General Purpose Vented 3 Phase, 15 KVA, 1 K-Factor 480 Primary Volts 208Y/120 Secondary Volts Temperature Rise 150C with 220C Insulation System Copper Winding Material Sound Reduction : 0 NEMA ST-20 Audible Sound Level: 45 Efficiency : DOE 10 CFR Part 431 (2016) UL Listed : Y Enclosure Type: NEMA 2 (for N3R, select Weather Shield in Mods tab) Operating Frequency: 60 HZ	**$3,135.17**	**$6,270.34**

Catalog No V48M28T1516CU
Designation TC,TD

Qty	List of Materials
1	3 Phase, 15 KVA, 480 Primary Volts, 208Y/120 Secondary Volts, 150C with 220C Insulation System Temperature Rise, Copper Winding Material, 60 HZ
1	Transformer Lug Kit/1PH 15-37.5KVA or 3PH 15-45KVA

Eaton Selling Policy 25-000 applies.

All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.

Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.

This quotation is an offer to sell you the goods or services described herein on the terms set forth above and, unless otherwise agreed in a signed writing on our standard Terms and Conditions of Sale which are available at www.kendallelectric.com/tandc.asp or by calling 800-632-5422. Your order of any goods or services identified in the quotation constitutes your acceptance of our standard Terms and Conditions of Sale. We object to any different or additional terms and reject any prior offers we received from you. Prices expire on and are subject to change 30 days after bid date.

Mick Heiler
7633 Lanac St
Lansing , MI 48917-9517

05/08/2023 12:37 PM

Commerce Controls Incorporated

SYSTEMS INTEGRATORS

41069 VINCENTI COURT • NOVI, MICHIGAN 48375 • 248-476-1442
www.commercecontrols.com FAX 248-476-6122

May 3, 2023

To: OHM Advisors / Tetra Tech / Delta Twp.

Attn: Jennifer Drinan

CC: Melissa Hopkins / Gene Jones

Ref: Delta Township Lift Station & EQ Station CCI Proposal #23-180

Commerce Controls, Inc. is pleased to submit the following proposal to provide the Control System field services for the above-referenced project. Our proposal is in accordance with past drawings & specifications received from Tetra Tech as well as written equipment description by Gene Jones.

SUMMARY OF WORK

This project consists of but is not limited to controls improvements for the Delta Township Wastewater System.

SERVICES

In House Engineering:

NOTE: PLC, Radios & SCADA Programing is by Tetra Tech and not included in this proposal.

CCI's Project Manager will be the primary point of contact and will direct internal resources to meet schedule and contract requirements.

- ❖ We have included PM time for virtual progress/coordination meetings between the owner/engineer to assure a smooth transition from existing to new panel equipment including PLC switch-out. On-site meetings can be arranged as needed or while mobilized.

- Hardware Design: We will develop detailed submittal information for the Instrumentation & Control System including:
  - Control panel hardware & schematics reflecting panel modifications and new panels completed by CCI.
  - Operation and Maintenance Manual (including Record Drawings) for modifications done and new equipment supplied.

- Factory Testing: CCI will provide factory floor space for all the control panels supplied by CCI allowing Tetra Tech to perform a factory acceptance test. For construction and manufacturing scheduling purposes we have made provisions for one (1) test in which we have included approximately two (2) weeks total for completion of the test. CCI will provide a panel electrician to make corrections to meet contract requirements. CCI has not included any costs for Tetra Tech representatives' travel and living expenses.

Field Support: Not included.

Note:

PER DIRECTION IN EMAIL FROM GENE JONES, FIELD SERVICES ARE NOT INCLUDED AS PART OF THIS PROPOSAL AND WILL BE QUOTED AND COMPLETED IN A LATER PHASE OF THE PROJECT.

EQUIPMENT DELIVERABLES
(see end of document)

PANELS PRICING			
Item No.1	Base Bid Panels - Total Controls Price:	LS	$387,577.00

ABOVE PRICE INCLUDES TAX AND FREIGHT

Adjusted to remove Michigan Sales Tax $365,638.68

FIELD INSTRUMENT PRICING			
Item No.2	Base Bid Field Instruments- Total Instrumentation Price:	LS	$113,055.00

ABOVE PRICE INCLUDES TAX AND FREIGHT

Adjusted to remove Michigan Sales Tax $106,655.66

Commerce Controls Incorporated

Clarifications

General Limitations:

1. **CCI services and deliverables are limited to those specifically described in this proposal and the included deliverables list. Any discrepancies in our understanding of the scope of work or responsibilities must be addressed prior to final pricing or issuance of a Purchase Order.**

2. CCI reserves the right to update (amend, alter, withdraw, or otherwise modify) this proposal in relation to price, delivery or both without penalty, to the extent such update is due to circumstances beyond our control, including supply chain disruptions, shortages of materials or supplies, or the acts of third-party suppliers, distributors, or manufacturers.

3. It is our understanding that revised panel drawings are to only include the panel modifications performed by CCI in the field. Complete panel drawings of the entire panel are not included this proposal.

4. It is our understanding that all existing equipment is operational and in working order. We have not included any costs associated with existing field equipment found to be faulty. If required, we will provide pricing to replace existing defective equipment on an as-needed basis.

5. CCI's field personnel will participate in the onsite safety program administered by others. We have not included the cost for CCI to provide any dedicated staff towards this effort.

6. We have not specifically included MBE or WBE participation at this time.

7. A one (1) year warranty is included for services and equipment provided by CCI. This warranty does not include removal or reinstallation of faulty devices.

8. Conformal coating has only been estimated on equipment shown as required on the drawings. If conformal coating is required on additional equipment, a change order would be required.

Equipment and services to be provided others including but not limited to:

1. Electrical and mechanical Installation services including all materials required.

2. As indicated, it is our understanding that all and any radio equipment will be provided by the owner and not included in this proposal.

3. Fiber terminations and testing.

4. Meetings, manuals, coordination of equipment outside of what CCI is providing.

5. It is our understanding that ALL programming and configuration of PLC's, SCADA, & Radios will be by others.

6. 480V motor controls including configuration modifications of motor control centers / switchgear.

7. On-site receipt (unloading) and storage of CCI equipment deliverables.

8. Equipment and/or services associated with integrating any vendor packaged systems to be supplied for this project other than what is specifically noted in this proposal.

9. Demolition services and/or disposal/salvage of any obsolete devices or equipment.

Commerce Controls Incorporated

Financial Terms and Provisions

1. The proposal price is F.O.B. Shipping Points with freight allowed to the jobsite.
2. Payment Terms are Net 30 Days based upon a mutually agreeable Progress Payment Schedule.
3. Costs to cover Liquidated Damages have not been included in this proposal.
4. Our proposal is valid for 30 days from the date of this proposal.
5. We have not included the cost for a Payment & Performance Bond for this project.
6. We have included sales tax on equipment.

Commerce Controls, Inc. appreciates the opportunity to submit this proposal. Should you have any questions please contact this office at your convenience for additional clarification.

Respectfully Submitted,

Commerce Controls, Inc.

Eric Hine

Business Development Manager
Water & Wastewater Systems

(248) 522-0477 – Direct
(248) 476-6122 – Fax
(734) 751-2593 – Mobile

PROJECT DELIVERABLES

CONTROL PANELS (qty=1, typical)

New Control Panels

WORK AREA	DESCRIPTION	Sheet #'s	Nema/Size	Note(s)
	Pump Station Processor Panel		N12 2dr 78x84x24	window kit in 1 door
	Equalization Basin IO Panel		N12 2dr 78x84x24	window kit in 1 door

FIELD EQUIPMENT

Spec Section - Type

WORK AREA	Qty	ID Tag	APPLICATION	Range	Sheet #	Note(s)
			Flow Equipment			Magnetic Flowmeter
	1	FE/FIT-1		0-1500GPM		8" Line Size
	1	FE/FIT-2		0-1500GPM		8" Line Size
	1	FE/FIT-4		0-1500GPM		10" Line Size
	1	FE/FIT-5		0-1900GPM		10" Line Size
	1	FE/FIT-6		0-900GPM		6" Line Size
			Pressure Equipment			
	1	PE/PY/PIT-1		0-35ft		Pressure Transmitter flange mounted
	1	PE/PY/PIT-2		0-35ft		
	1	PE/PY/PIT-3		0-35ft		
	1	PE/PY/PIT-4		0-35ft		
	1	PE/PY/PIT-5		0-35ft		
	1	PE/PY/PIT-6		0-35ft		
	1	PE/PY/PIT-7		0-35ft		
	1	PE/PY/PIT-8		0-35ft		
			Temperature Equipment			
	1	TE/TIT-1		32-120deg f		Temperature Transmitter
	1	TE/TIT-2		32-120deg f		
			Level Equipment			
	1	LSH-1				Float Switch
	1	LSH-2				Float Switch
	1	LSH-3				Float Switch
	1	LE/LIT-1		0-35ft		Radar
	1	LE/LIT-2		0-35ft		Radar
	1	LE/LIT-3		0-35ft		Radar
	1	LE/LIT-4		0-35ft		Radar
	1	LE/LIT-5		0-35ft		Radar

Supervisor Kenneth R. Fletcher
Clerk Mary R. Clark
Treasurer Dennis R. Fedewa
Manager Brian T. Reed

Trustee Elizabeth S. Bowen
Trustee Fonda J. Brewer
Trustee Andrea M. Cascarilla
Trustee Karen J. Mojica

DELTA TOWNSHIP

Engineering Department

(517) 323-8540

TO: **Supervisor Kenneth R. Fletcher and the Delta Township Board**

FROM **Ernie West, Township Engineer**

DATE: **May 8, 2023**

SUBJECT: **Ultium 3 Battery Plant**
Water and Sanitary Sewer Service
Recommendations for Approval of Change Order No. 3

Background

On November 14, 2022, the Township Board awarded a contract to Dunigan Brothers of Jackson, Michigan for construction of water and sanitary sewer system upgrades required to serve the Ultium 3 Battery Plant project. Contracts for Bid Package #1 and Bid Package #2 were awarded in the amounts of $8,121,732.50 and $2,756,000.00, respectively. Authorization was also given to the Township Manager to negotiate with Dunigan Brothers for work associated with Bid Package #3 due to a lack of bids having been received for this critical work. The Township subsequently amended Dunigan Brothers contract to add the critical portions of Bid Package #3 in the amount of $1,785,350.00. Dunigan Brothers commenced construction in late December and are progressing with the project as planned.

On April 3, 2023, the Township Board approved several items that had arisen during construction that resulted in a need to modify Dunigan Brothers contract, as well as the contract of our engineering consultant, OHM Advisors. Change Order No. 2 for Bid Package #1 and #2 and Engineering Contract Amendment #5 were approved, and those change items were incorporated into the project.

At this time Change Order No. 3 is being presented to you. The following tables summarize the recommended change order items. A copy of the change order is attached to this memo.

Bid Package No. 1 Change Order No. 3 Summary		
Change Order Item:	Amount:	Description:
42” Hatch	$ 1,111.90	Additional cost for new 42” hatch to replace 36” hatch. Requested by Staff for improved maintenance access to vortex insert.
Dunigan Auger Bore Claim	$ 94,900.60	Additional cost for guided pilot bore needed to control grade due to unforeseen soil conditions that prevented installation by traditional horizontal auger bore method.
Change Order No 3 Total	**$ 96,012.50**	

Funding

These proposed changes represent at total of $96,012.50 of additional cost to these projects. These changes are eligible for the use of the $33 million in state grant funds for the project. Staff will provide an update of funding as costs are finalized on the remaining projects left to be bid and awarded in the coming months.

Required Action

The following motions as offered for your consideration:

> ***"I move that the Delta Township Board approve the proposed Change Order No. 3 with Dunigan Brothers for the Ultium 3 Battery Plant Water and Sanitary Sewer Service projects, increasing the contract prices for Bid Package #1 by $96,012.50. I further move that the Township Manager be authorized and directed to execute the change order on behalf of the Township."***

Staff will attend the May 15, 2023 Township Board Meeting to answer any questions or address any concerns of the Board. If there any questions in the interim, please let us know. Thank you.

CONTRACTOR: Dunigan Bros., Inc.
911 East South Street
Jackson, MI 49203
Attn: Patrick Dunigan II
OWNER: Delta Township, Michigan

C.O. Number: 3
Date: 30-Apr-23
Project: Ultium 3 Battery Plant
BP 1 - Water And Sanitary Sewer Improvements
Contract: 200-214200-22002

TO THE CONTRACTOR NAMED ABOVE:
Under the terms of this Agreement, and upon acceptance of the CONTRACTOR and approval of OWNER, ENGINEER recommends the following changes to the Agreement:

Item No.	Description	Add/Deduct	Quantity	Unit Price	Amount
	42" Hatch	ADD	1	$ 1,111.90	$ 1,111.90
	Dunigan Auger Bore Claim	ADD	1	$ 94,900.60	$ 94,900.60
					$ -
	Total This Change Order				**$ 96,012.50**

REASON FOR CHANGE:

Sch E Hatch	Additional cost for new 42" hatch to replace 36" Hatch
Sch E Dunigan Claim	New guided pilot bore needed to control grade due to unforeseen soil conditions.

Original Contract Price	$ 8,121,732.50
This Change Order Add	$ 96,012.50
Change Order 01	$ 16,893.60
Change Order 02	$ 48,358.72
Revised Contract Price	$ 8,282,997.32
Current Substantial Completion Date	SCH B,C & E: 6/15/23 and SCH A & D: 10/15/23
Revised Substantial Completion Date	N/A
Current Final Completion Date	1-Nov-23
Revised Final Completion Date	N/A
Contract Time Extension	None

The above is agreed to as full and complete compensation for the Work listed in the Change Order.

RECOMMENDED BY: Tetra Tech _____ DATE 4-28-2023

ACCEPTED BY: Dunigan Bros., Inc. _____ DATE 5/1/23

APPROVED BY: Delta Township, Michigan _____ DATE _____

From: Rich Hobgood
To: Ernie West
Cc: Heise, Andy; Barry Gates; Anthony Pulizzi; Rick Kane; Jennifer Bernardin; Jennifer Drinan
Subject: RE: BP#1 Schedule E, Ultium 3, Delta Township Water Main and Sewer Force Main, RFP #03
Date: Wednesday, March 22, 2023 4:05:46 PM
Attachments: image001.png
image002.png

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

One other item we would like to include on the change order is the larger hatch.

Dunigan gave a price $1,111.90 to change from the 36" to 42" which covers restocking the original specified hatch, shipping, and the cost difference between the two.

I believe the price was mentioned in a previous meeting but wanted to make sure the Township is good with it. OHM feels the price is proper for the item.

Feel free to contact me with any questions.

RICH HOBGOOD, PE | **OHM** Advisors® | est.1962
SENIOR PROJECT MANAGER

D (734) 466-4492 **C** (734) 497-9312 **O** (734) 522-6711

rich.hobgood@ohm-advisors.com | OHM-Advisors.com

From: Ernie West <EWest@deltami.gov>
Sent: Thursday, March 9, 2023 4:02 PM
To: Rich Hobgood <rich.hobgood@ohm-advisors.com>; Jennifer Drinan <Jennifer.Drinan@ohm-advisors.com>; Audrey Stahrr <Audrey.Stahrr@ohm-advisors.com>
Cc: Heise, Andy <Andy.Heise@tetratech.com>; Barry Gates <Barry.Gates@ohm-advisors.com>; Anthony Pulizzi <Anthony.Pulizzi@ohm-advisors.com>; Rick Kane <RKane@deltami.gov>; Jennifer Bernardin <JBernardin@deltami.gov>
Subject: RE: BP#1 Schedule E, Ultium 3, Delta Township Water Main and Sewer Force Main, RFP #03

This Message originated outside your organization.

I OHM believes that unit pricing is appropriate, I am ok with finalizing this.

Ernest (Ernie) A. West, P.E.
Township Engineer
Delta Charter Township
7710 W. Saginaw Hwy
Lansing, MI 48917
ewest@deltami.gov
www.deltami.gov

P: (517) 816-8290
M: (517) 719-5497

From: Rich Hobgood <rich.hobgood@ohm-advisors.com>
Sent: Thursday, March 9, 2023 11:47 AM
To: Jennifer Drinan <Jennifer.Drinan@ohm-advisors.com>; Ernie West <EWest@deltami.gov>; Audrey Stahrr <Audrey.Stahrr@ohm-advisors.com>
Cc: Heise, Andy <Andy.Heise@tetratech.com>; Barry Gates <Barry.Gates@ohm-advisors.com>; Anthony Pulizzi <Anthony.Pulizzi@ohm-advisors.com>; Rick Kane <RKane@deltami.gov>; Jennifer Bernardin <JBernardin@deltami.gov>
Subject: FW: BP#1 Schedule E, Ultium 3, Delta Township Water Main and Sewer Force Main, RFP #03

Attached is the approved RFP#3 related to the ECRC traffic control. If the Township is good with this, OHM can process a change order.

Feel free to reach out with any questions.

RICH HOBGOOD, PE | **OHM** Advisors® | est.1962
SENIOR PROJECT MANAGER
D (734) 466-4492 **C** (734) 497-9312 **O** (734) 522-6711
rich.hobgood@ohm-advisors.com | OHM-Advisors.com

From: Patrick Dunigan II <Patrick@duniganbros.com>
Sent: Tuesday, February 28, 2023 3:15 PM
To: Rich Hobgood <rich.hobgood@ohm-advisors.com>
Subject: RE: BP#1 Schedule E, Ultium 3, Delta Township Water Main and Sewer Force Main, RFP #03

This Message originated outside your organization.

Here is a filled out and signed copy.



From: Rich Hobgood <rich.hobgood@ohm-advisors.com>
Sent: Wednesday, February 22, 2023 1:56 PM
To: Patrick Dunigan II <Patrick@duniganbros.com>
Cc: Jennifer Bernardin <JBernardin@deltami.gov>; Jennifer Drinan <Jennifer.Drinan@ohm-advisors.com>; Brittney Bult <Brittney.Bult@ohm-advisors.com>; Sara Merrill <sara.merrill@ohm-advisors.com>; Lauren Hull <Lauren.Hull@ohm-advisors.com>; Byrne, Shelby <SHELBY.BYRNE@tetratech.com>; Heise, Andy <Andy.Heise@tetratech.com>; Barry Gates <Barry.Gates@ohm-advisors.com>; Rick Kane <RKane@deltami.gov>; Ernie West <EWest@deltami.gov>
Subject: BP#1 Schedule E, Ultium 3, Delta Township Water Main and Sewer Force Main, RFP #03

Patrick,

Attached is RFP#03 for the revisions related to the ECRC review on BP#1.

There is one new item to get pricing on for flowable fill that will on be used when approved by the Engineer/Owner.

Let us know if you have any questions or comments.

RICH HOBGOOD, PE
SENIOR PROJECT MANAGER

OHM Advisors®
D (734) 466-4492 **C** (734) 497-9312 **O** (734) 522-6711

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Award Winning By Design: Engineering News-Record (ENR)'s Top 500 Design Firms, 2022 | Gallup Exceptional Workplace Award 2022 | Zweig Group Hot Firm List, 2021 | Zweig Group Best Firms to Work For, 2021

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Dunigan BROS. INC.
JACKSON. MICH.

911 E South St.
Jackson, MI 49203
Ph: 517-787-4720
Fx: 517-787-3023
Email: patrick@duniganbros.com

4/14/2023

Delta Township Ultium WM and FM
Canal/Millett Auger Bore

Due to unforseen ground conditions the 36" HAB from MH 4 to the existing sanitary manhole in the Canal and Millett intersection has lost grade control due to wet, soft, silt conditions. Currently grade can't be maintained as the casing is diving into the softer material. Attempts to complete the bore have been stopped before too much grade was lost. This pricing includes installation of a small casing inside of the current one to allow for a Guided pilot tube system to be installed to allow a piece of 30" casing to successfully be installed to connect to the manhole.

We believe this is the best method to successfully complete the sewer connection in this area. Due to the utility conflicts, bad ground conditions, and restoration that would be involved we don't believe there would be any cost savings to attempt to complete the work open cut due to the complexities and poor production that would result from shoring of utilities required, and difficult ground conditons that would be encounted.

We are estimating about 50 hours of lost production to complete this work for our workforce, plus other attached costs. 50 hours is based on 1 lost day on 4/12 attempting to add a steering method in the existing conditons that failed, and cleaning up and shoring up the front of the casing to prevent a sink hole in the area. We will then have 1 full day of GMB setup, 1 day of GBM install, 1 Day of GBM teardown, and appoximately 1 day of lost inneficiency during the bore to install and shim the 30" into place, and stop and break off pilot tubes as they enter the Canal/Millet intersection.

This pricing is based on paying the existing pay item footage, for the work completed with this claim costs as an adder for the extra work.

Unit	# Units	Hr $ per Unit	Extra Hrs Worked	Total Extra Costs
Foreman	1	$ 62.44	50	$3,122.00
Laborers	2	$42.90	50	$4,290.00
Operators	2	$53.88	50	$5,388.00
Cat 336 Excavator	1	$147.35	50	$7,367.50
Deere 544 Loader	1	$59.38	50	$2,969.00
American Augers 60" ABM	1	$300.00	50	$15,000.00
MBM Rental Tooling	1	$5,141.00	1	$5,141.00
Rudolph Consulting	1	$17,000.00	1	$17,000.00
Welding Trailer	1	$25.00	50	$1,250.00
30" Casing	160	$92.75	1	$14,840.00
Pickup Truck	1	$30.00	30	$900.00
Total Unit Costs				$77,267.50
15% OH (equipment and labor only)				$6,042.98
15% Markup			+	$11,590.13
Total Extra Costs				$94,900.60

Labor Rate Breakdowns

	Wage	Fringe	7% Tax	Total Hourly Rate	OT Rate
Operators	$ 34.00	$ 17.50	$ 2.38	$ 53.88	$ 58.98
Laborers	$ 24.00	$ 17.22	$ 1.68	$ 42.90	$ 46.50
Foreman	$ 42.00	$ 17.50	$ 2.94	$ 62.44	$ 68.74

Equipment Blue Book Rates Attached.

Approved this 14 day of April 2023

Delta Township, Brian Reed, Township Manager

EquipmentWatch™

www.equipmentwatch.com

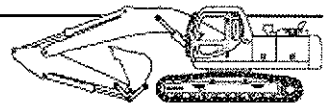
All prices shown in US$

Rental Rate Blue Book®

February 5, 2016

Caterpillar 336D L equivalent to 336F

Crawler Mounted Hydraulic Excavators



Size Class:
Operating Weight 33.1 - 40.0 MTons
Weight:
80,464 lbs.

Configuration for 336D L

Power Mode	**Diesel**	Bucket Capacity - Heaped	**1.56 cy**
Operating Weight	**36.5 t**	Net Horsepower	**268.0 hp**

Equipment Notes: General Purpose bucket included in rate, unless otherwise noted.

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	**Weekly**	**Daily**	**Hourly**	**Hourly**	**Hourly**
Published Rates	$12,305.00	$3,445.00	$860.00	$130.00	$76.95	$146.86
Adjustments						
Region (Michigan: 100.7%)	$86.13	$24.11	$6.02	$0.91		
Model Year (2015: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	**$12,391.13**	**$3,469.11**	**$866.02**	**$130.91**	**$76.95**	**$147.35**

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	36%	$4,429.80 / mo
Overhaul (ownership)	47%	$5,783.35 / mo
CFC (ownership)	10%	$1,230.50 / mo
Indirect (ownership)	7%	$861.35 / mo
Fuel (operating) @ $3.46	51%	$38.95 / hr

Revised Date: 2nd Half 2015

www.equipmentwatch.com

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Rental Rate Blue Book®

February 11, 2015

Deere 544K

4-Wd Articulated Wheel Loaders

Size Class:
Net Hp 150 - 174 HP
Weight:
28,263 lbs.



Configuration for 544K

Power Mode	**Diesel**	Bucket Capacity - Heaped	**3.00 cy**
Net Horsepower	**167.0 hp**	Operator Protection	**EROPS**

Equipment Notes: Includes General Purpose bucket and ROPS, unless otherwise noted.

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	**Weekly**	**Daily**	**Hourly**	**Hourly**	**Hourly**
Published Rates	$4,300.00	$1,205.00	$300.00	$45.00	$34.65	$59.08
Adjustments						
Region (Michigan: 101.2%)	$51.60	$14.46	$3.60	$0.54		
Model Year (2014: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	**$4,351.60**	**$1,219.46**	**$303.60**	**$45.54**	**$34.65**	**$59.38**

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	43%	$1,849.00 / mo
Overhaul (ownership)	38%	$1,634.00 / mo
CFC (ownership)	7%	$301.00 / mo
Indirect (ownership)	12%	$516.00 / mo
Fuel (operating) @ $3.98	61%	$21.27 / hr

Revised Date: 2nd Half 2014

www.equipmentwatch.com

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Quote

Michael Byrne Manufacturing

1855 Earth Boring Rd.
Mansfield, OH
USA, 44903
Phone : 419-525-1214
jweist@byrnegroup.com

Quote No.	**31556**
Date :	04/14/2023
Contact :	Phone : 517-787-4720

Bill To	***DUNN***
DUNIGAN BROS INC	
911 E SOUTH ST	
JACKSON, MI	
USA, 49203	

Ship To	***DUNN***
DUNIGAN BROS INC	
911 E SOUTH ST	
JACKSON, MI	
USA, 49203	

Expiration Date	Price Request	Terms	Carrier	FOB
04/14/2023		DUE PRIOR TO SHIPPING	NOT APPLICABLE	

Sales Rep	Currency	Lead Time (Days)	Tax Group
DAVE MILLER (MILLER)	USD	0	USDEXE

No.	Qty	UN	Item	Description	Lead Time (Days)	Net Price	Amount
1	1.000	EA	QUOTE	APF-30-F-2-4H-W, AKK-WO-PT WITH CENTERIZING RING	0	$3,850.00	$3,850.00
2	1.000	EA	RENTAL	AKKERMAN SWIVEL	0	$500.00	$500.00
3	1.000	EA	RENTAL	AKKERMAN 3FT TRANS SUB	0	$500.00	$500.00

Subtotal: $4,850.00

USD

Sales tax = $291.00

Total = $5141.00

Rudolph Consulting LLC

PO Box 142
Versailles, KY 40383
270-210-8853 cell

PILOT TUBE PROPOSAL

TO: Dunigan Brothers Inc
ATTN: Patrick Dunigan

RE: 150 LF GBM for 30" Jack and Bore
Lansing, MI
BID DATE: 4/14/2023

Rudolph Consulting LLC is pleased to furnish all **listed equipment** and technician to install the following:

Bid Item: **1.** One (1) 150' pilot tube installation for 30" jack and bore.
BID PRICE ITEM 1: $17,000.00 LUMP SUM

NOTE 1: Dunigan Brothers shall provide trucking of all equipment from Medina, OH to jobsite, Lansing, MI. Rudolph Consulting will provide trucking offsite back to Rudolph Consulting's yard as described in NOTE 9.

NOTE 2: **Bid Item** include wages, per diem, hotel, and mileage for Chad Rudolph throughout project. **Bid Item** include supervision to setup pilot tube system, pilot tube installation, pilot tube system breakdown, provide supervision to adapt pilot tube to casing, and provide one day of training to breakout pilot tubes in receiving pit. Others shall finish breakout of all pilot tubes and stack in racks for removal.

NOTE 3: Above Bid Pricing is based on installing the minimum footage called for per the items. If installed footage is more than the proposal for each bid item, revised bid pricing may be submitted to said bid item.

NOTE 4: Rudolph Consulting LLC will not be responsible for liquidated damages associated with project due to fault of others or improper coordination with other contractors or owner and GC. If others (Owner, GC, etc.) require additional hours, crews, shifts to accelerate schedule, others responsible for premium time.

NOTE 5: The customer is responsible for the set-up of the jobsite including the installation and alignment of the guidance system and listed equipment. The customer is responsible for providing all support laborers and an operator during set up and pilot tube installation. This agreement is for the rent of equipment and is not a service contract.

NOTE 6: Geology is described by Customer as soft gray clays. Soil must be displaceable.

NOTE 7:

Listed Equipment:	**GBM-Pilot Tubes**
Jacking Frame:	240A Jacking Frame
Power Pack:	100 HP Diesel Engine (if required)
Lubrication:	1325B Lube Pump
Pilot Tubes:	150 LF provided
Lubrication Chemicals:	All chemicals provided by Rudolph Consulting LLC.

NOTE 8: Customer is responsible for all applicable local taxes, government fees, etc.

NOTE 9: Shipping costs are included in the above bid proposal: one pickup only. Customer shall provide all equipment and labor necessary to offload and reload all equipment for shipping purposes.

NOTE 10: Terms of Payment:

(A) Full payment is required **At Receipt of Order** prior to shipping equipment from Rudolph Consulting LLC's yard.

These terms must be acknowledged in writing before Rudolph Consulting LLC is required to ship the equipment here described.

All equipment remains property of Rudolph Consulting LLC.

All payments can be mailed directly to Rudolph Consulting LLC.

Payment Mailing Address:
Rudolph Consulting LLC
PO Box 142
Versailles, KY 40383

ACH Direct Deposit available upon request.

NOTE 11: Availability is based on first come, first serve basis. Rudolph Consulting LLC will work with Customer's schedule in a diligent manner.

NOTE 12: Rudolph Consulting LLC provides on-site technician to provide operational and in field service only for its equipment.

Standard technician working days include Monday through Friday. Sunday and Federal Holidays shall be omitted from expected construction schedule.

NOTE 13: Rudolph Consulting LLC expressly does not warrant economic viability of the use of this equipment in a specific project, nor does Rudolph Consulting LLC warrant the speed and/or efficiency with which the equipment may be utilized for tunneling purposes. Field conditions for the use of the equipment may vary dramatically and subsurface conditions frequently cannot be predicted with any accuracy. For these reasons, damage to the equipment, ineffectiveness of the product, and unintended consequences of use of the product, including delay of construction, are not covered by this warranty. Rudolph Consulting LLC, expressly disclaims liability for any consequential, incidental, indirect, punitive, exemplary, or special damages, losses or expenses including, but not limited to, loss of profits (actual or anticipated), commercial losses, business interruption, liquidated damages or penalty clause losses or any other damages not directly relating to the cost of repair of the equipment shipped.

NOTE 14: Rudolph Consulting LLC will provide common spare parts that are deemed incidental to pilot tubing. Rudolph Consulting LLC will overnight any needed parts or repairs not provided on site.

NOTE 15: Rental starts day of shipping and ends the day it returns to the Rudolph Consulting yard in Calvert City, KY. **RENTAL PERIOD IS FOR THREE WEEKS**. Any days the equipment is used in excess of this amount will be charged a prorated **BID PRICE FOR *BID PRICE ITEM 1,*** as listed above of **25% per week** beyond three-week rental period.

NOTE 16: Rented equipment shall be used on named project only.

NOTE 17: Customer shall provide insurance for the full value of the equipment from the time it leaves Rudolph Consulting LLC until it returns to Rudolph Consulting LLC. Upon return of these General Terms and Conditions acknowledged by the Customer, a Certificate of Insurance providing evidence of coverage for rented equipment should be provided to Rudolph Consulting LLC.

NOTE 18: These General Terms and Conditions may not be modified by either Rudolph Consulting LLC, or the Customer, without both parties agreeing to that change or modification in a signed writing.

NOTE 19: This contract is governed by the laws of the State of Kentucky. Furthermore, Customer agrees that any litigation arising under these General Terms and Conditions shall be brought in Woodford County District Court, within the State of Kentucky.

Special Provisions:

Provisions: Others than Rudolph Consulting LLC will be responsible for:

1. Providing line and grade, benchmark stakes, permits, and inspection fees as necessary for pilot tube operation.
2. Provide a hydrant meter or water source.
3. Rudolph Consulting LLC shall furnish a competent excavation safety person for our work only. Others provide any additional safety measures as required for total project.

BID PRICE ITEM 1 is based on boring within a three-week period beginning when equipment leaves Rudolph Consulting LLC's yard.

Price is based on one mobilization and one demobilization of all equipment listed within three-week period. Additional freight charges will be submitted if GC or other elects to demobilize prior to project completion within time.

Customer should acknowledge receipt and understanding of these General Terms and Conditions by signing below and returning a copy of this signature sheet to Rudolph Consulting LLC. Rudolph Consulting LLC has no obligation to ship equipment provided under this agreement until Customer has acknowledge receipt of the terms and conditions applicable to this transaction.

Customer: _____

Dated: **, 2023**

By: _____

Its Authorized Representative

Thank you for the opportunity to quote Rudolph Consulting's service proposal. If you have any questions, please do not hesitate to contact me at any time.

Regards,

Chad Rudolph
Rudolph Consulting LLC
President
270-210-8853 cell

Supervisor Kenneth R. Fletcher
Clerk Mary R. Clark
Treasurer Dennis R. Fedewa
Manager Brian T. Reed

Trustee Elizabeth S. Bowen
Trustee Fonda J. Brewer
Trustee Andrea M. Cascarilla
Trustee Karen J. Mojica

DELTA TOWNSHIP

Accounting Department

(517) 323-8510

To: **Supervisor Kenneth R. Fletcher and the Delta Township Board**

From: **Courtney Nicholls, Finance Director/Deputy Treasurer**

Date: **May 15, 2023**

Subject: **Surplus Property**

The Township Surplus Property Policy, adopted July 6, 2009, requires Township Board approval of the disposition of surplus property. Below, please find a list of equipment deemed surplus by staff:

1996 Ford F-Super Duty
1998 National Sun/up Trailer mounted solar assisted arrow board
1985 Foreman III trailer-flat bed with cement mixer mounted
1986 Onan 150 KVA Generator
1999 Ultra-Fab Products trailer power mover
2015 John Deere Z Track Zero Turn 60" mower
2001 Sterling Vactor Combination truck

Staff would like to dispose of the items listed by using the GovDeals.com website. GovDeals.com is a website holding on-line auctions specifically for governmental entities. We have used this method several times in the past and been very successful.

I offer the following resolution for your consideration:

> **"I move the Township Board authorize the disposal of the surplus items listed in the memo through online auction."**

Supervisor Kenneth R. Fletcher
Clerk Mary R. Clark
Treasurer Dennis R. Fedewa
Manager Brian T. Reed

Trustee Elizabeth S. Bowen
Trustee Fonda J. Brewer
Trustee Andrea M. Cascarilla
Trustee Karen J. Mojica

DELTA TOWNSHIP

Planning Department

(517) 323-8560

TO: Supervisor Kenneth R. Fletcher & Delta Township Board

FROM: Matt McKernan, Planner

DATE: May 10, 2023

SUBJECT: Introduction of Rezoning Request for 5217 Old Lansing Rd in Case No. 03-23-07.

The Township is in receipt of an application submitted by Jeremy Hill (5205 Old Lansing Rd) to rezone the northwest 305 feet (0.86 acres) of the property located at 5217 Old Lansing Road, from O-Office to RA-Very Low Density Residential. The proposed rezoning would result in the entire 3.51 acre parcel being zoned RA-Very Low Density Residential, which would allow for the redevelopment of the former schoolhouse into a single-family home. The subject property is located in Section 35 of Delta Township.



On May 1, 2023, the Board referred the request to the Planning Commission for the purpose of holding a public hearing and making a recommendation to the Township Board. The hearing before the Planning Commission was held on May 8, 2023. The Planning Commission recommended approval of the rezoning request by a vote of 7-0. The request is now being placed on the Board's May 15, 2023, agenda for formal introduction prior to final consideration on June 5, 2023.

The following motion is offered for the Board's consideration:

"I move that the Delta Township Board introduce the request to rezone the property described in Case No. 03-23-07 from O-Office to RA-Very Low Density Residential. I further move that the rezoning request be considered for final action by the Township Board at the June 5, 2023, regular meeting. The Clerk is hereby directed to publish notice of said meeting in the local newspapers as is required."

Supervisor Kenneth R. Fletcher
Clerk Mary R. Clark
Treasurer Dennis R. Fedewa
Manager Brian T. Reed

Trustee Elizabeth S. Bowen
Trustee Fonda J. Brewer
Trustee Andrea M. Cascarilla
Trustee Karen J. Mojica

DELTA TOWNSHIP

Engineering Department

(517) 323-8540

TO: **Supervisor Kenneth R. Fletcher and the Delta Township Board**

FROM: **Brian Reed, Township Manager**
Courtney Nicholls, Finance Director
Ernest A. West, P.E., Township Engineer

DATE: **May 9, 2023**

SUBJECT: **Delta Township Sheriff Substation Project**
Design-Builder Contract Modification
Construction Documents and Bidding Phase

Given the approval of the Public Safety Facility & Storage Building Bond Proposal by voters at the May 2, 2023 Special Election, Staff have secured the attached proposed contract modification from The Christman Company, and their design consultant, C2AE. This contract modification will amend the current agreement to continue Design/Build services to complete the detailed design of the project and obtain competitive bids on the trade packages. Building and site plan approvals and other necessary permits will be coordinated during this process also, such that the project can move to construction without delay. **This proposal does not authorize construction services, merely the completion of planning activities to get to construction. Additional contract modifications, which would authorize construction activities, will be presented to the Board for approval upon completion of these design and bidding efforts.**

Detailed Scope, Schedule and Fee for Design Development

Refer to the attached proposal from Christman.

Staff Recommendation

The proposed contract modification scope is required to complete design and obtain competitive trade package bids, which will become the basis of the final agreement for construction of the project. The fees are consistent with the budget established for this work. In order to keep the project quickly moving to construction, Staff recommend approving Christman's proposed contract modification for the purposes of completing design and obtaining bids at a cost not to exceed $479,800.

The following motion is offered for your consideration:

> ***"I move that the Township Board approve the proposed contract modification with The Christman Company for the purpose of providing Design Development architectural, engineering and construction management services through Construction Documents and Bidding Phases for the Delta Township Sheriff Substation project at a cost not to exceed $479,800. Further, the Township Manager is hereby authorized to sign and execute an agreement for said services on behalf of Delta Township."***

Staff will attend the May 15, 2023 Board meeting to answer any questions or address any concerns from the Board. If there are any questions in the interim, please let us know. Thank you.

CHRISTMAN
SINCE 1894

April 26, 2023

Ernest A. West, P.E.
Township Engineer
Delta Township Engineering Department
7710 West Saginaw Highway
Lansing, MI 48917-8974

RE: Amendment to Exhibit C to AIA Document A141 – 2014 as modified

Proposal to Continue Design/Build Services for Delta Township Sheriff Substation Project

From Design Development through Construction Documents and Bidding

Dear Mr. West:

Scope of Services:

The Christman Company and C2AE are pleased to provide this proposal for Design/Build Services to continue Phase 1 Services through Construction Documents (CDs) and Bidding.

1. Phase 1 commenced at the approval of the AIA Document A141-2014 Agreement between Owner and Design Builder as modified. During Phase 1 the project scope will be further defined and a subsequent proposal will be submitted for Phase 2 services. Phase 1A was added to continue the design process from Schematic Design (SD) level to Design Development (DD). Phase 1B is added to continue the design process from DD to CDs and Bidding.

2. Phase 1B Tasks shall be:
    a. Complete CDs.
    b. Perform a CD check estimate to confirm project can proceed within budget.
    c. Perform bidding process.
    d. Submit Design-Builder's Design Proposal for approval to proceed with construction.

3. Phase 1B Budget:

CM Services (The Christman Company)	$58,100
A/E Services (C2AE Architecture Engineering)	$400,000
Reimbursable Expenses	$5,700
Overhead and Profit	$16,000
Phase 1B Budget Total	$479,800

    a. Costs for A/E Services as listed above will be billed as a lump sum.

Phone 517-482-1488 Fax 517-482-3520 www.christmanco.com

b. The budgeted value for Phase 1B services is accounted for as part of the "Design-Build Services" line item from the Design Development Estimate Summary dated April 25, 2023, (REV1).

c. It is understood that the Phase 1B services budget is to continue design and estimating efforts from the DD level through the CD level and to conduct trade contractor bidding.

d. Reimbursable Expenses:
   i. Printing / Document Reproduction: $1,000
   ii. Commercial General Liability Insurance: $3,500
   iii. Technology: $1,200.

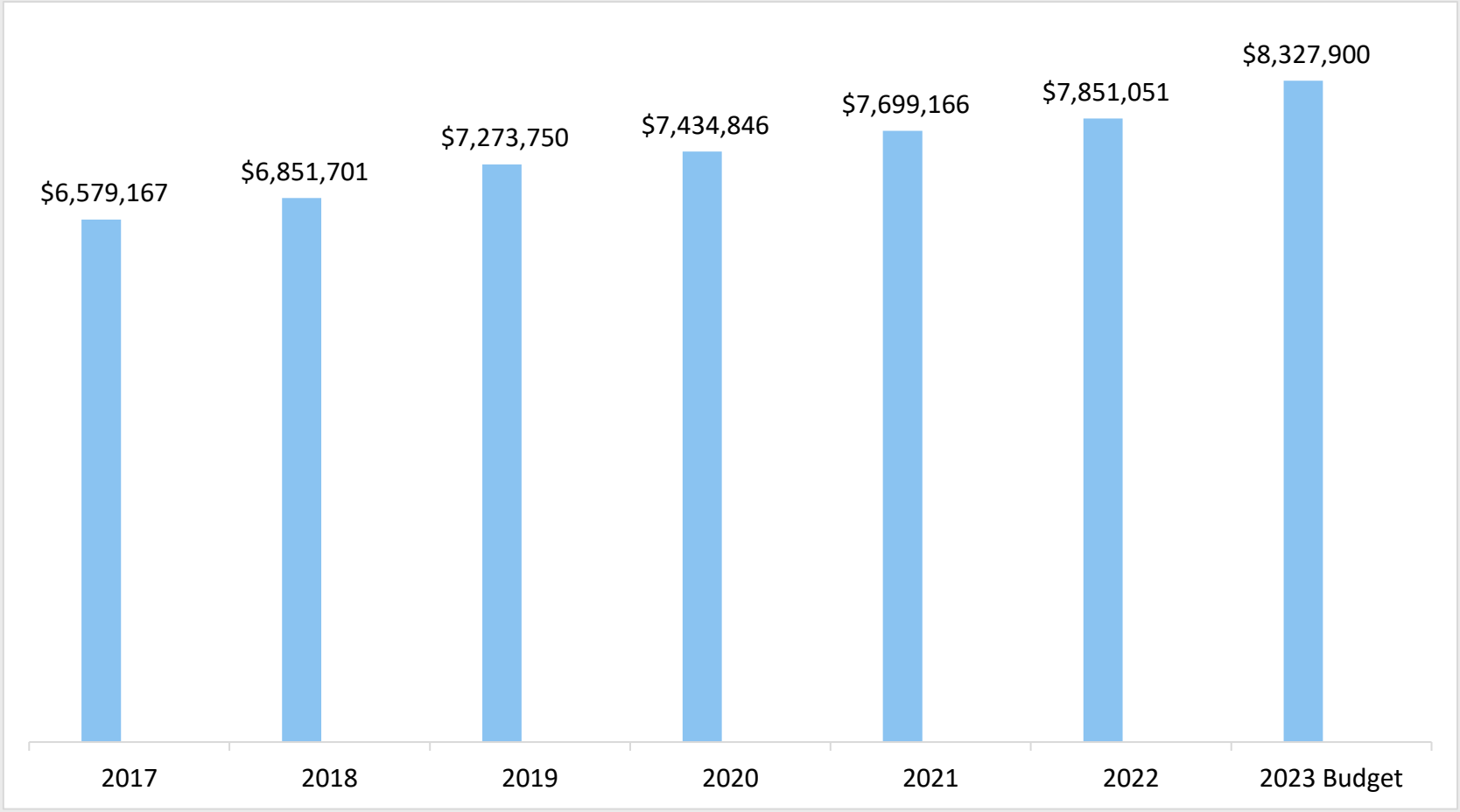
4. Exceptions, Exclusions, and Clarifications:
   a. This proposal does not include all costs for post bidding / construction phase. Services to be quoted in the next proposal for Phase 2 shall include:
      i. A/E Services for Furniture, Fixtures, and Equipment (FFE) Design and Construction Administration (CA) services.
      ii. CM Services for construction phase supervision.
   b. Additional professional services are by mutual selection of Owner and Design/Builder. Anticipated or possible additional professional services are:
      i. Industrial Hygienist
      ii. Hazardous Material Abatement
      iii. Construction Material Testing
      iv. Third Party Commissioning

Phone 517-482-1488 Fax 517-482-3520 www.christmanco.com

2022 Accounting Department Year End Report

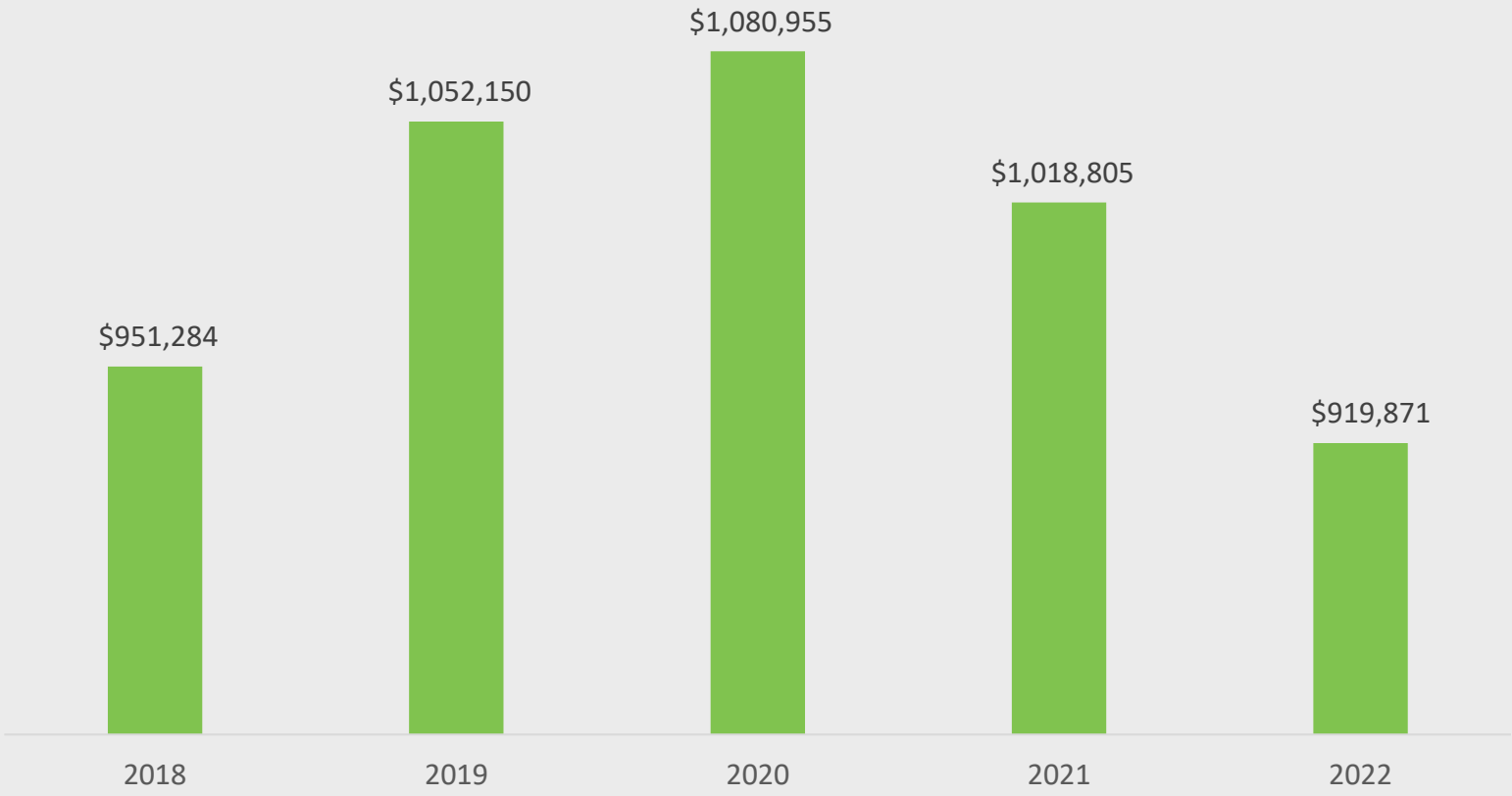
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GENERAL FUND PROPERTY TAX REVENUE



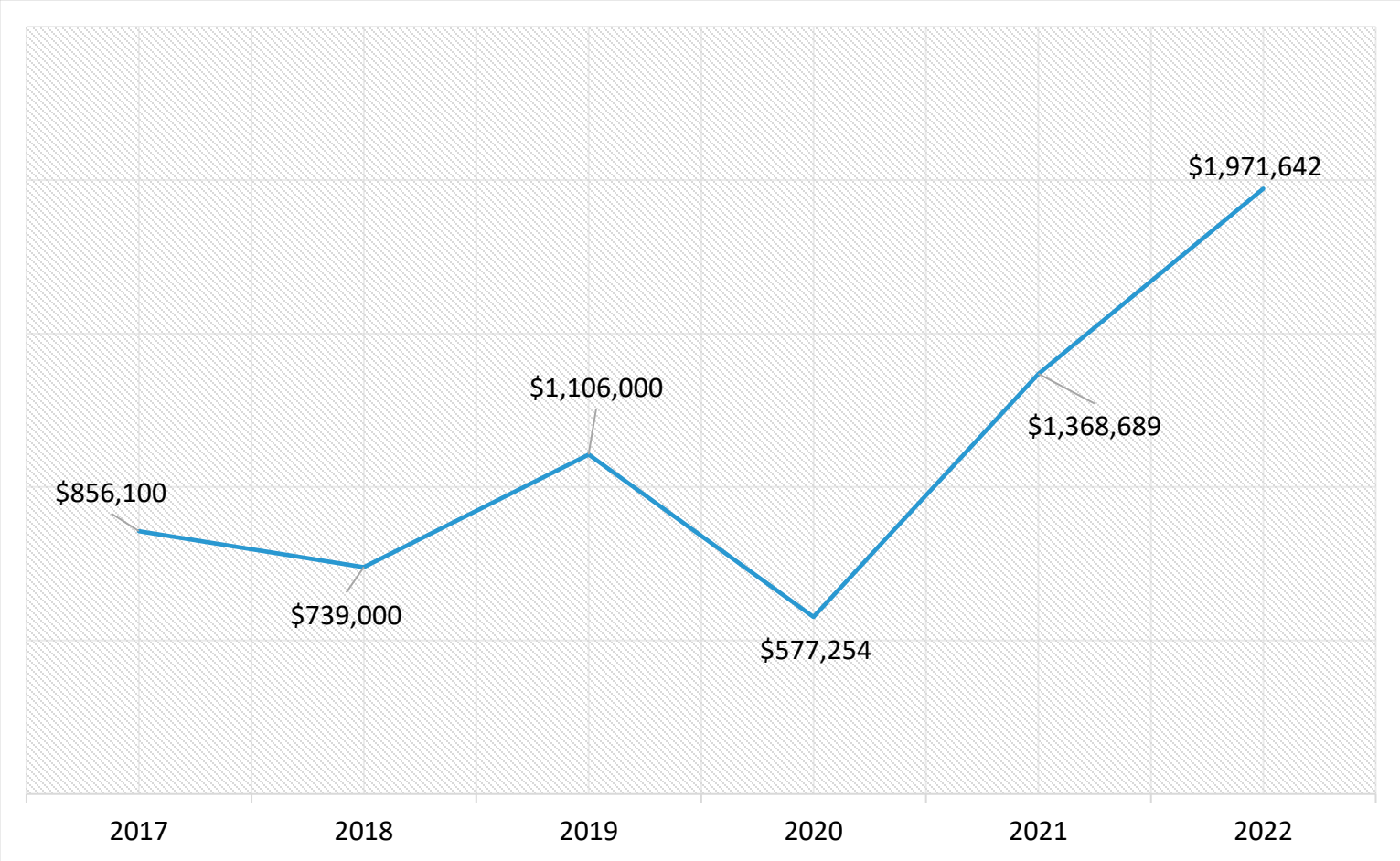
6% increase between 2022 and 2023

OTHER TAX RELATED REVENUE (425 AGREEMENTS)



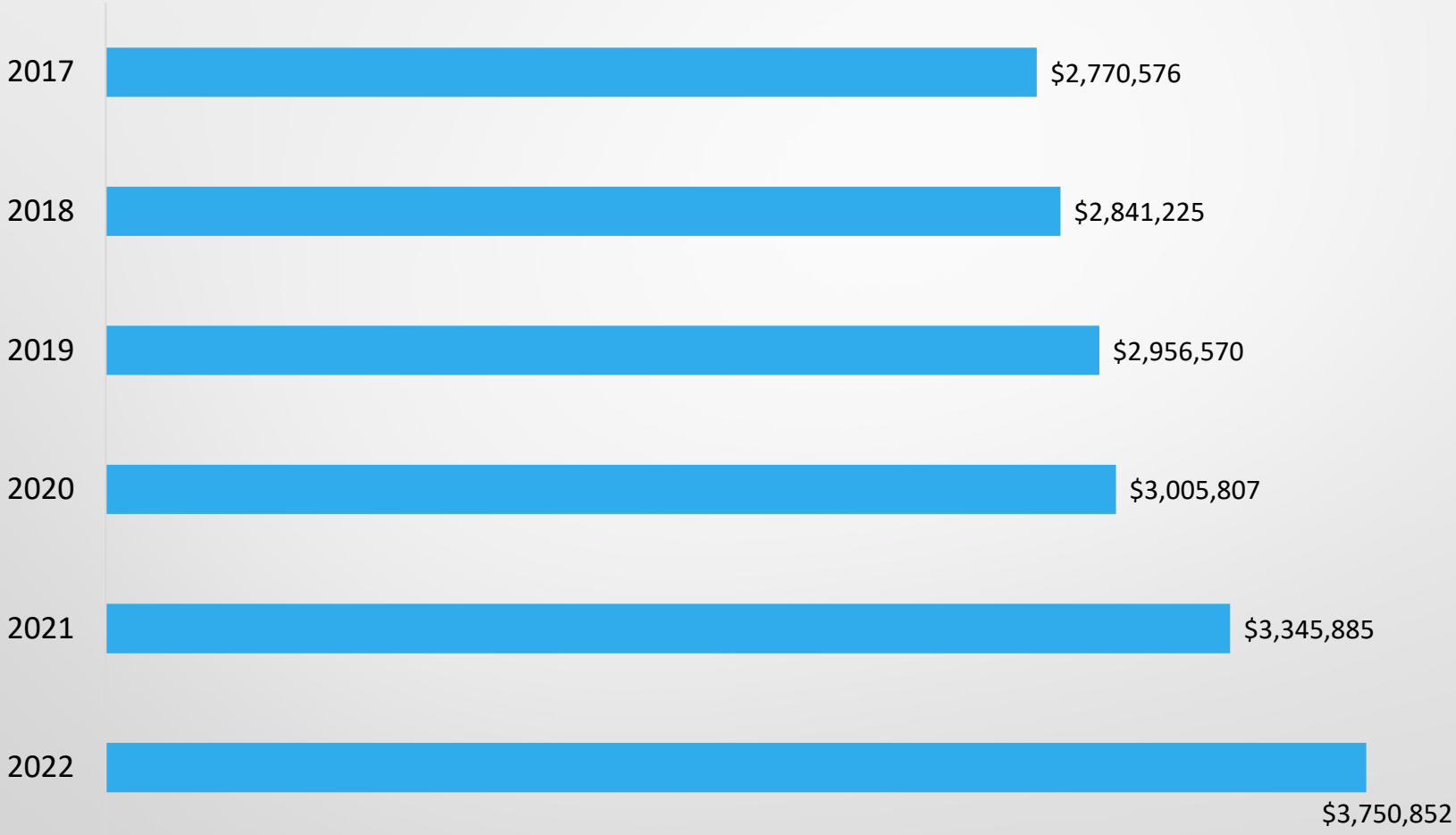
Reduction in 2022 due to General Motor's Tax Tribunal settlement with the City of Lansing.

Building Permit Fee Revenue

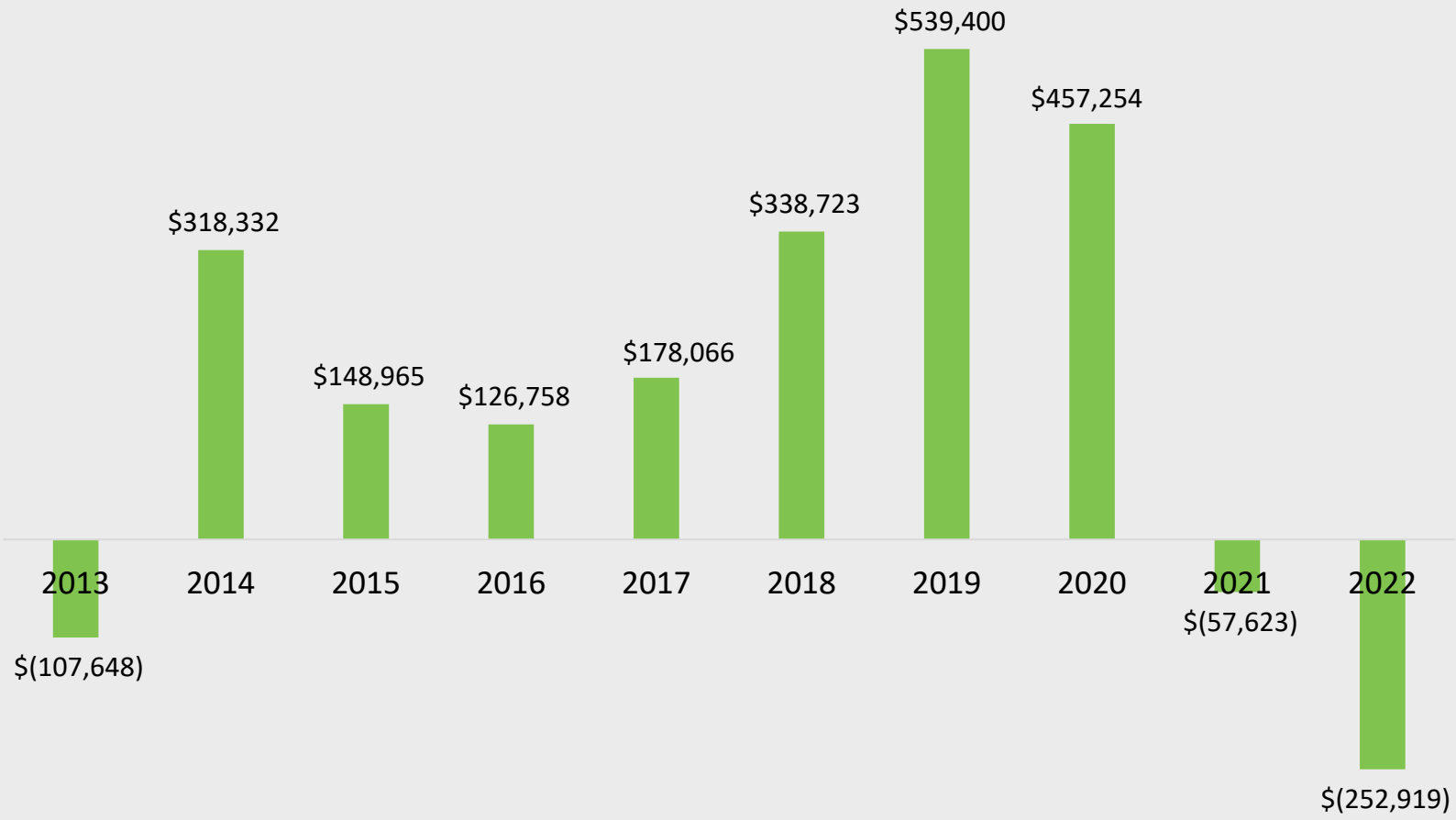


High in 2022 due to the Ultium Project

State Revenue Sharing

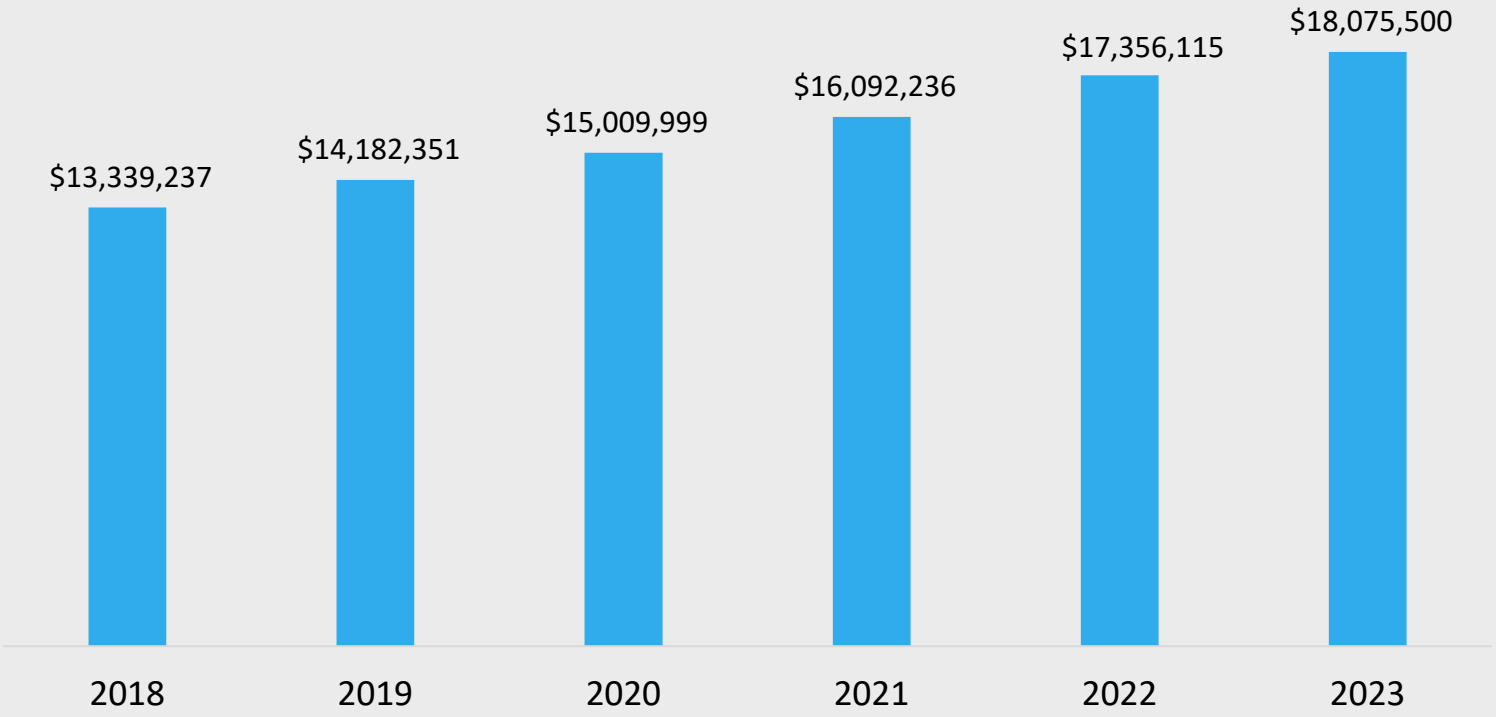


GENERAL FUND INTEREST INCOME



Township investments are marked up or down monthly to their fair value in accordance with GASB rules. The fair value loss is not a cash loss because Township investments are held to maturity. Have seen a return to positive fair market value in first quarter 2023.

GENERAL FUND OPERATING EXPENSE



Township operating expenses are steadily increasing. The community's support of the public safety millage will have a significant impact in allowing us to continue to provide excellent services to our community.

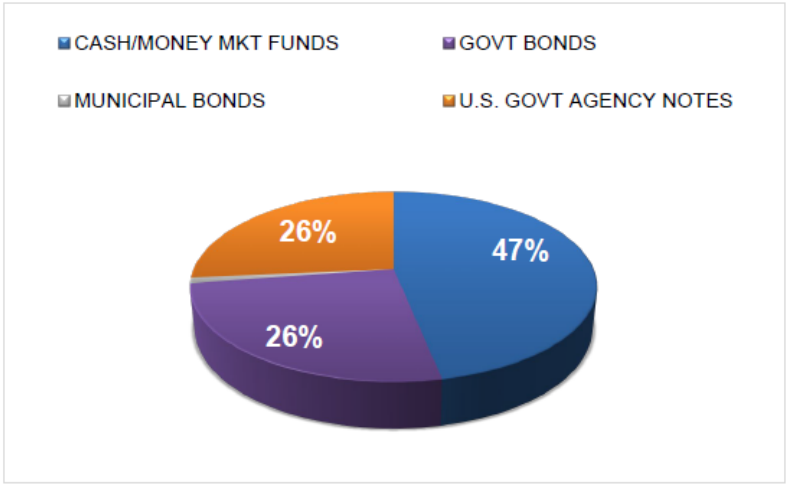
DELTA CHARTER TOWNSHIP
MONTHLY INVESTMENT SUMMARY
AS OF DECEMBER 31, 2022

PORTFOLIO SUMMARY

CASH/MONEY MKT FUNDS	$	30,408,653
COMMERCIAL PAPER	$	-
CD'S	$	-
GOVT BONDS	$	13,644,700
MUNICIPAL BONDS	$	481,250
U.S. GOVT AGENCY NOTES	$	14,008,722
TOTAL	**$**	**58,543,324**

INTEREST INCOME SUMMARY

RATE OF RETURN (YTD)		-0.69%
TOTAL INTEREST INCOME (YTD)	$	(378,625)



INVESTMENT DETAIL

CASH/MONEY MKT FUNDS	**$**	**30,408,653**	**51.94%**
CHASE CHK/SAVING	$	11,238,623	
MI CLASS POOL FUND	$	19,121,766	
RAYMOND JAMES	$	1,125	
INSIGHT INVESTMENT CASH	$	47,139	
COMMERCIAL PAPER	**$**	**-**	**0.00%**
CERTIFICATES OF DEPOSIT	**$**	**-**	**0.00%**
LONG TERM	**$**	**28,134,671**	**48.06%**
(R. JAMES & INSIGHT INVESTMENTS)			
U.S. GOVT AGENCY NOTES	$	14,008,722	**23.93%**
GOVT BONDS	$	13,644,700	**23.31%**
MUNICIPAL BONDS	$	481,250	**0.82%**
TOTAL INVESTMENTS	**$**	**58,543,324**	**100%**

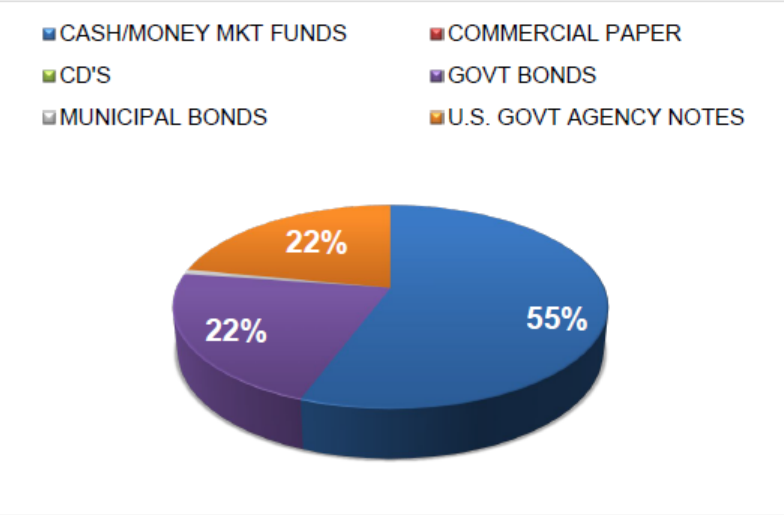
DELTA CHARTER TOWNSHIP
MONTHLY INVESTMENT SUMMARY
AS OF MARCH 31, 2023

PORTFOLIO SUMMARY

CASH/MONEY MKT FUNDS	$	35,862,274
COMMERCIAL PAPER	$	-
CD'S	$	-
GOVT BONDS	$	13,959,423
MUNICIPAL BONDS	$	485,687
U.S. GOVT AGENCY NOTES	$	14,113,615
TOTAL	**$**	**64,420,999**

INTEREST INCOME SUMMARY

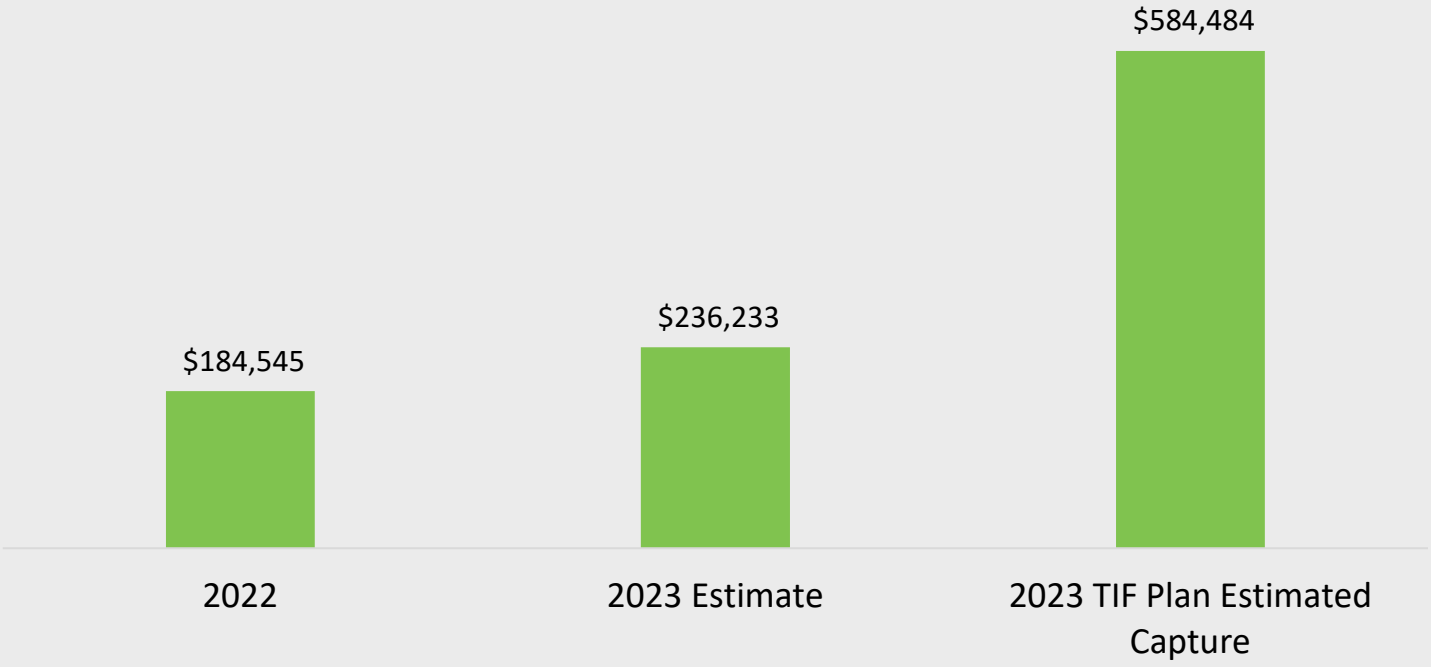
RATE OF RETURN (YTD)		4.90%
TOTAL INTEREST INCOME (YTD)	$	795,931



INVESTMENT DETAIL

CASH/MONEY MKT FUNDS	**$**	**35,862,274**	**55.67%**
CHASE CHK/SAV	$	4,141,584	
MI CLASS POOL FUND	$	24,900,934	
RAYMOND JAMES	$	1,394	
INSIGHT INVESTMENT CASH	$	63,834	
MI CLASS POOL FUND - ULTIUM	$	6,754,528	
COMMERCIAL PAPER	**$**	**-**	**0.00%**
CERTIFICATES OF DEPOSIT	**$**	**-**	**0.00%**
LONG TERM	**$**	**28,558,725**	**44.33%**
(R. JAMES & INSIGHT INVESTMENTS)			
U.S. GOVT AGENCY NOTES	$	14,113,615	**21.91%**
GOVT BONDS	$	13,959,423	**21.67%**
MUNICIPAL BONDS	$	485,687	**0.75%**
TOTAL INVESTMENTS	**$**	**64,420,999**	**100%**

CORRIDOR IMPROVEMENT AUTHORITY

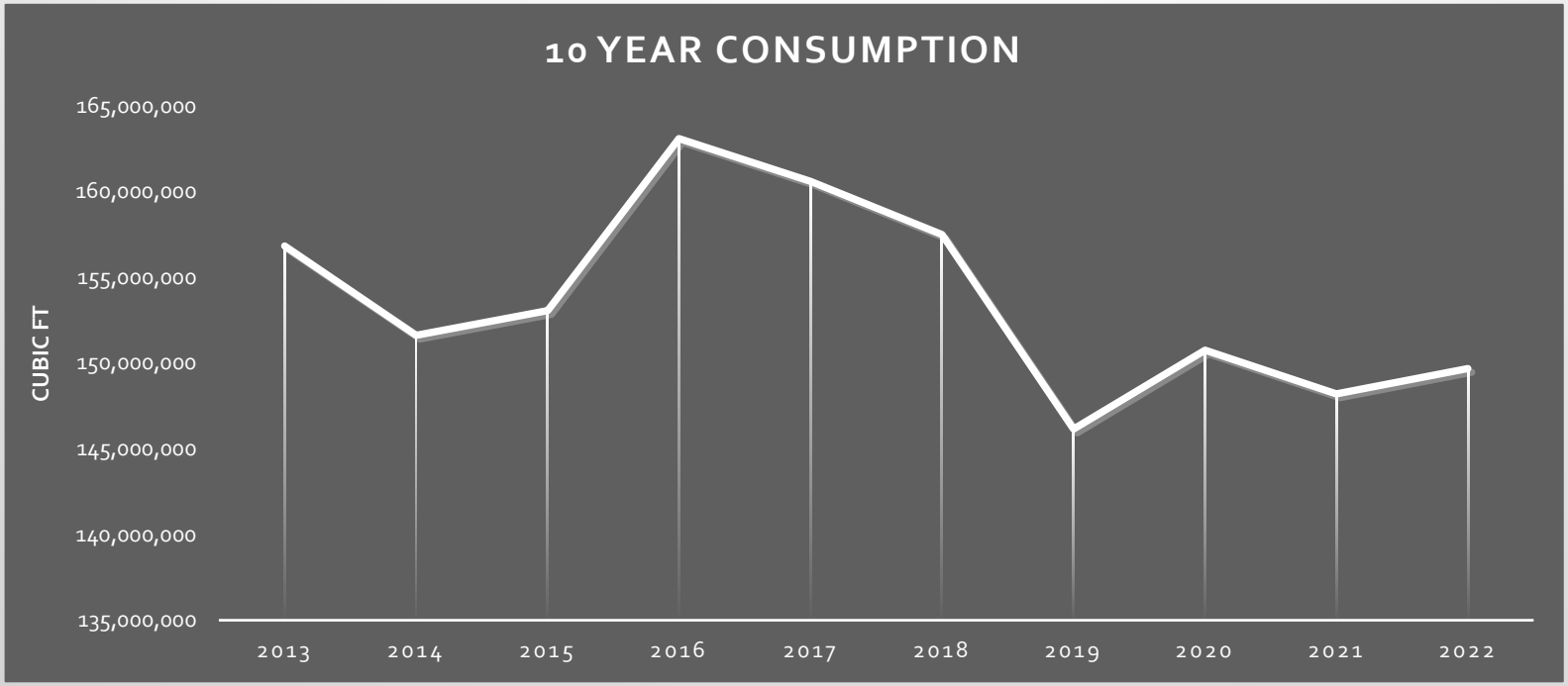


The Corridor Improvement Authority started capturing taxes in 2022, which can be spent in 2023. The chart shows the actual capture in 2022, the estimated amount for 2023 (we do not have final 2023 millage rates yet) and the amount that was originally estimated for 2023 in the TIF plan. This shows the impact to the CIA of the stalled project.

Water/Sewer

Top Water Users

General Motors
State of Michigan
Lansing Board of Water and Light
Norplas
Cintas



Expenditures on Major Utility Projects Through April 2023

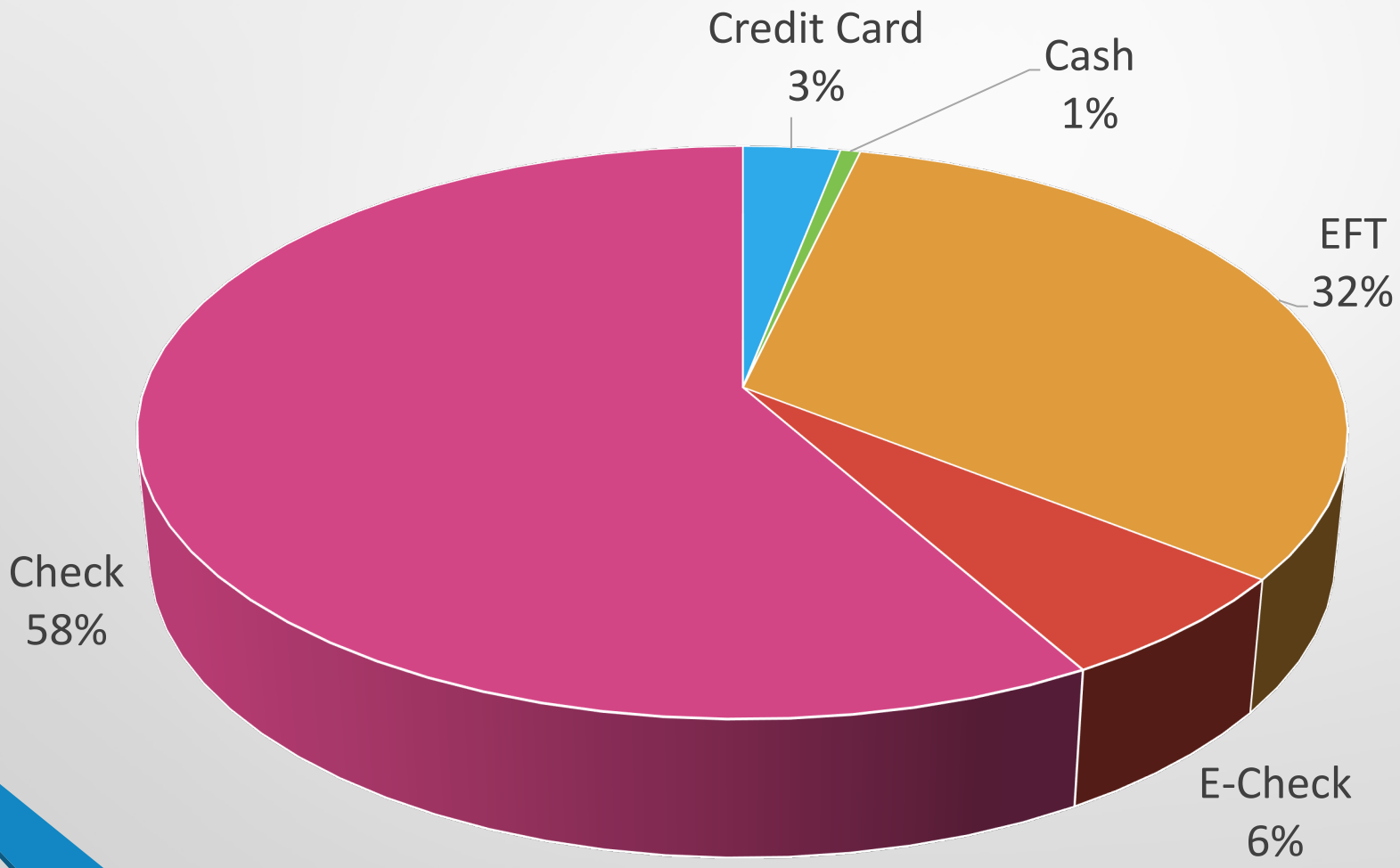
- Water Resource Recovery Facility Major Capital Improvement Project
  - $21.7 million has been spent on the project, which has been reimbursed by the State Revolving Loan program
    - Total approved project cost is $82,725,000
    - Principal payments on this loan will start in 2025
- Ultium
  - This project has two funding sources:
    - Ultium
      - $4.7 million of the $8.6 million received from Ultium has been expended
    - LEAP
      - $2.5 million of the $33 million received from the State of Michigan through LEAP has been expended

Invoicing

- Utility Bills
  - Generate monthly bills for approximately 10,600 active accounts
    - 33% of those accounts are paid by ACH (automatic payment from a bank account on the due date)
    - 40% of the bills generated each month are emailed, which saves approximately $3500 per month in mailing costs
- Taxes
  - Generate bills twice a year for approximately 12,100 parcels
    - Payments from major mortgage escrow processors are made via EFT

Total payments made to the Township in 2022

$113,788,811



Collection Rates

- 2022 Tax Year Collection Rate – 98.4%
- Value of water and sewer bills outstanding for over 60 day with an amount due over $70 - $17,239.06 as of April 18, 2023 (monthly billing amount approximately $970,000)
  - Currently registered with two programs for utility bill assistance:
    - Low Income Household Water Assistance Program
      - Capital Area Community Services/MDHHS
    - Michigan Homeowner Assistance Fund (MIHAF) through MSHDA
  - Information on these programs has been mailed out with past due notices and included in the Delta Magazine and Talk of the Township.

American Rescue Plan of 2021

Date	Funds Received		Funds Earmarked	Use/Planned Use	Year
11/9/2021	1,748,384		(311,900)	Payroll Supplements	2022
1/31/2022	7,038		(181,400)	Aerial Fire Truck	2023
6/29/2022	1,755,382		(239,654)	Ambulance	2023
			(438,000)	Fire Station Projects	2023
			(180,000)	Admin Building Improvements	2023
			(279,163)	Ambulance	2024
			(640,400)	Pumper Truck	2024
Total	3,510,804		(2,277,617)		
Funds Unallocated	1,240,287				

Major Duties & Projects

- **Accounting and Internal Controls**
  - Prepare and monitor annual budget
  - Prepare financial statements
  - Reconciliation of daily cash receipts ($113 million)
  - Administer internal control procedures Township wide
  - Manage cash flows and investment portfolio ($40-$50 million)
  - Calculate, prepare and distribute bi-weekly payroll ($10.8 million in payroll)
  - Process and pay 7,743 A/P invoices in 2022 (paperless system)
  - Creation of online forms/articles for Twp publications
  - Annual update of utility rate study
  - Complete reimbursement requests for Ultium and WRRF projects
  - Participated in the fire union negotiations and assisted with implementation of the new agreement
  - Implemented tax withholding for Delta employees who are residents of East Lansing and Lansing
  - Customer Service

2023 Projects

- Continue to cross train employees
  - Four new staff members since August 2021
- Increase the amount of payments made by ACH; increase check security through implementing more advanced positive pay
- Continue to make improvements to digital budget book
- Complete the bond sale for the Sheriff Substation

List of Annual Reporting Requirements

- Unclaimed Property
- State of Michigan F-65
- Municipal Qualifying Statement
- Annual Debt Service Report
- State of MI Annual IFT Report (170-B)
- Continuing Disclosure
- Annual Audit
- CVTRS Annual Report
- State & Federal Monthly & Quarterly Withholding Reports
- Unemployment Insurance Reports
- Payroll Reporting (W2 & W3)
- Affordable Care Act Reporting
- Vendor 1099 Reporting
- Pension & OPEB reporting Form 5572

Parks & Recreation Department Annual Report

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DELTA CHARTER TOWNSHIP 2022

RECYCLING REPORT

GRANGER
COLLECTING TOMORROW'S ENERGY

DELTA
TOWNSHIP

Public-Private Partnership

Drop-off Recycling Agreement 2006

Since 2006, Delta Charter Township and Granger have been partners in an agreement that facilitates no cost container use, transportation and processing of recyclables from the Township-operated drop-off center on Millett Highway.



Curbside Recycling Amendment 2015

In 2015, Delta Charter Township and Granger signed an agreement to enhance curbside recycling.

- Every other week collection
- No additional charge for recycling cart service
- Single-stream recycling collection of corrugated cardboard, plastic bottles and jugs, mixed paper, tin cans and aluminum, boxboard and food and beverage glass

GRANGER

REFERENCES AND EDUCATION

Granger Website

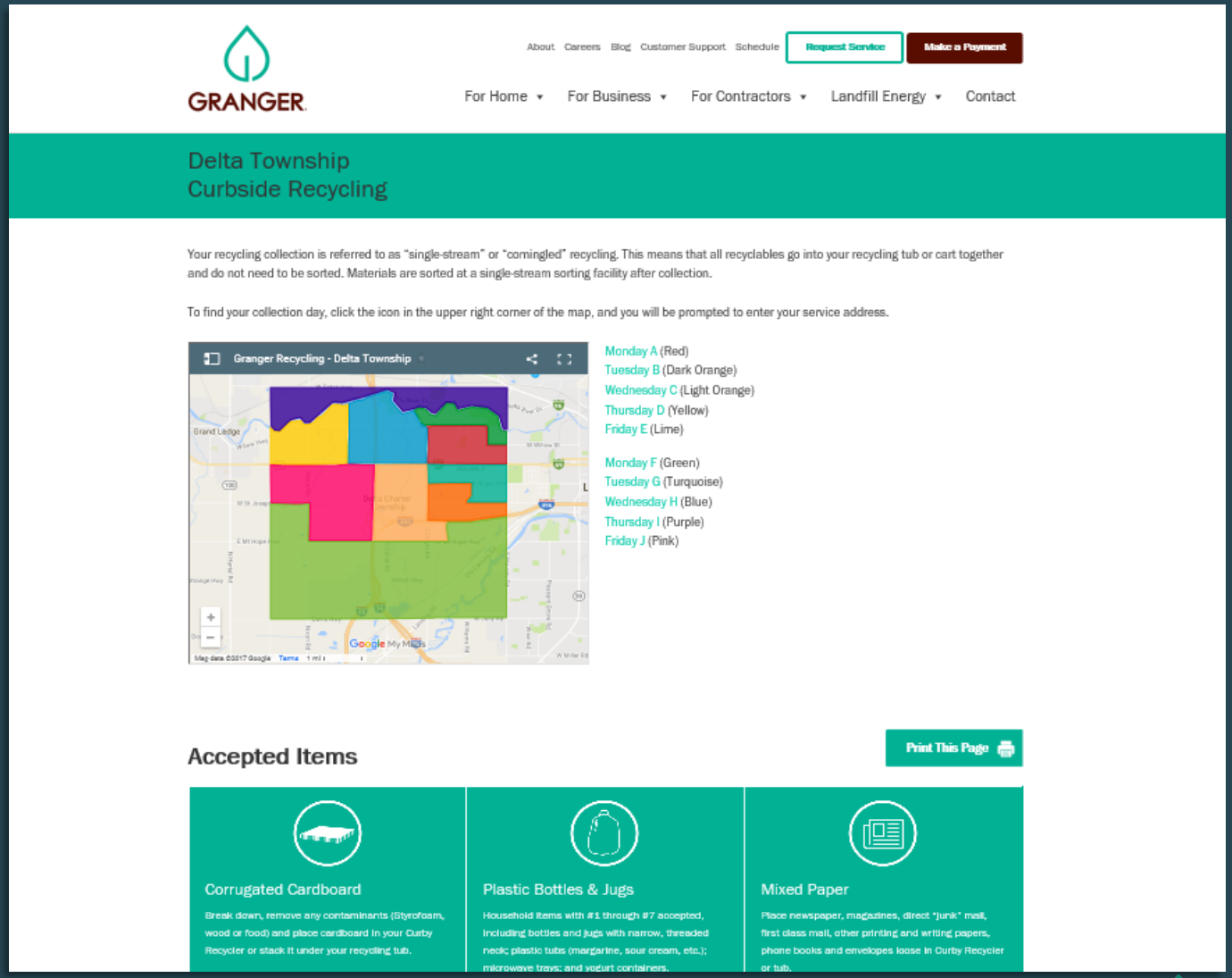
- Delta Township recycling pick up information
- Accepted items and guidelines to help with clean recycling streams (printable)
- Informational blog

Granger Facebook Page

- Recycling education and information
- Recycling quizzes
- Updates

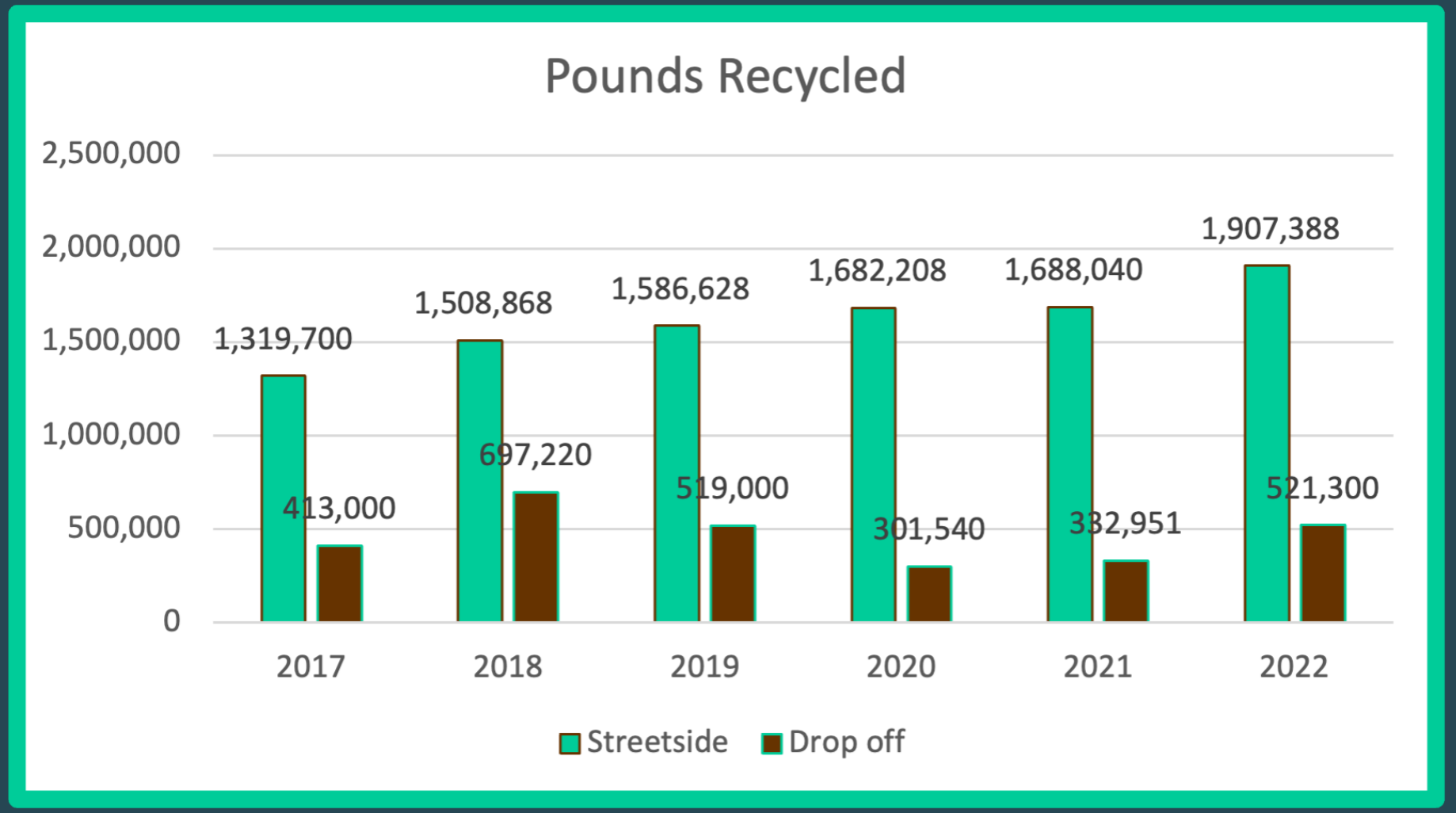
Community Partnership

- Granger can help provide the township with educational recycling information that can be used on Delta's social media and more.
- Granger continues to be involved in Delta Township Community events.



www.grangerwasteservices.com

GRANGER





2022 TOTAL RECYCLING VOLUME (POUNDS):

2,428,688

GRANGER

DELTA CHARTER TOWNSHIP

Environmental Benefits	
Number of Trees	20,644 trees
KWH	4,978,810 KWH
Air Pollution	72,861 pounds
Water Conserved	8,500,408 gallons
Landfill space saved	4,044 cubic yards

The amount of recycling produced by Delta Township and its residents equates to any one of the above environmental benefits.

GRANGER

Recycling Center Other Items

Materials Diverted	Total Tons	Total Tons	Total Tons
CFL Blubs	0.14	0.1525	0.09
Scrap Metal	40.60	42.93	28.59
Electronics	8.56	14.03	9.18
Batteries	3.33	4.9	3.50
Cell Phones	0.00	0.08	0.05
Bikes	3.61	3.12	2.05
Ink Cartridges	0.19	0.35	5.40
Polystyrene	13.64	15.75	11.79
Grass & Leaves	283.95	268.95	234.15
Cooking Oil	1.25	1.09	0.91
Totals	**355.25**	**351.35**	**295.70**





Invasive Species

- Eaton Conservation District
- Mid Michigan CISMA (Cooperative Invasive Species Management Area
- Wildtype Nursery
- MSU
- Residents

Challenges

- Annual Flooding – Grand River
- Temperatures – 50 and up for consecutive days
- Uncertainty of how to address
- Awareness
- Not able to completely eradicate but hoping control and limit



Plan of Action

- Research, park visits, meetings, & conversations
- Pre-treatment and post-treatment observations & photos
- Covering areas, roping off, and signage
- Education



MSU has been treating lesser celandine/fig buttercup (Ficaria verna) on MSU properties. The most important factor to consider when treating, is night-time temperature. It must be 50 deg or higher, ideally for multiple nights in a row. If there are going to be three days in a row of appropriate temperature, doing it in the middle of that time-period is optimal.

Grand Woods Park – Arbor Day Celebration & Wildflower Walk



A guided walk through the trails with Abby Deneau of Lansing Area Neighborhood Ecology

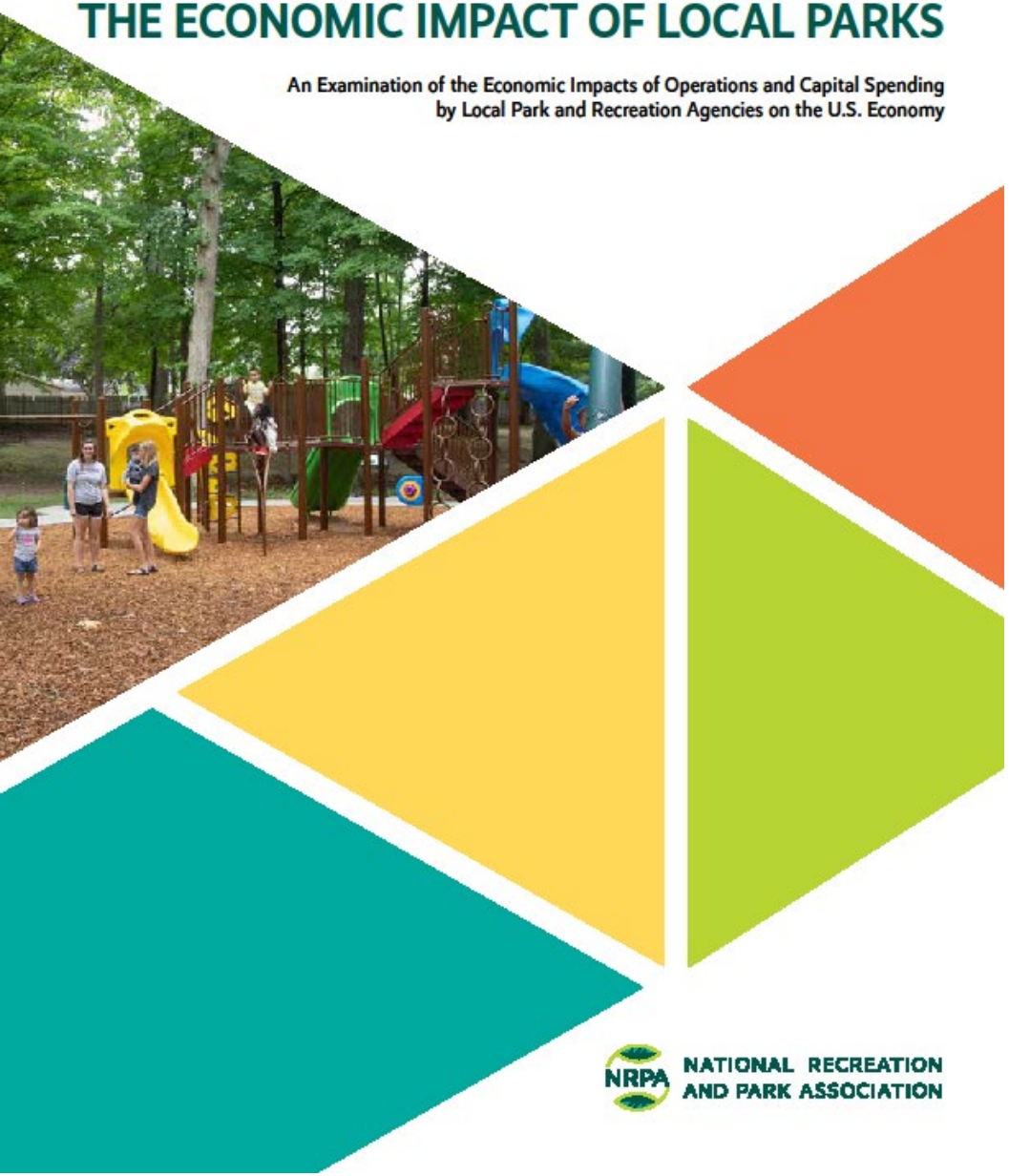
Introduction to the native ephemerals that were once abundant at Grand Woods Park but are now being threatened by invasive Fig Buttercup.

Cub Scout Pack 121 planted 30 native trees



Introduction of the new coordinator for the Mid Michigan Cooperative Invasive Species Management Area (MM-CISMA), Taylor Slear and learned what specific actions we can take to combat invasive species.

Eaton County Conservation District unveiled a new geocache treasure hunt at 5 public parks in Eaton County.



Parks and recreation is essential infrastructure in healthy, vibrant and resilient communities. Through the tireless efforts of hundreds of thousands of full-time, part-time and seasonal workers — and supported by countless volunteers and advocates — local park and recreation agencies have a positive impact on the lives of millions of people. Park and recreation facilities, amenities and programming are diverse; they range from no- or low-cost fitness opportunities (such as a walking trail or a fitness class at a community center) and access to nutritious meals.

Local park and recreation agencies employed more than 385,000 full-time and part-time employees in 2019, according to the U.S. Census Bureau.

That translates to almost $49 billion of operations spending by the nation's more than 10,000 local park and recreation agencies.

The result of park and recreation expenditures on the nation's economy is immense. The shared impact of operations and capital spending by U.S. local park and recreation agencies in 2019 resulted in nearly $218 billion in economic activity and $107 billion in added gross domestic product (GDP) and supported nearly 1.3 million jobs that paid salaries, wages and benefits totaling $68.4 billion.

	State Employment	Labor Income	Value Added	Economic Activity
Ohio	43,306	$2,160,222,072	$3,419,555,293	$7,047,862,139
Michigan	22,548	$1,129,923,090	$1,844,711,303	$4,107,024,794
Indiana	13,838	$628,826,865	$1,059,988,503	$2,198,298,077

DELTA
TOWNSHIP

Parks Master Plan



Parks Master Plan

Six-hundred eighty-three (683) individuals elected to fully complete the survey.

- **Respondents were 67% female and 30% male.**
- **Eighty-five (85) percent of the respondents were Township residents.**
  - **41% residing in the northeast section of the Township,**
  - **21% residing in the northwest section,**
  - **15% residing in the southwest,**
  - **8% in the southeast.**
- **About 46.5% of the respondents indicated that members of their household are in the 25-44 age group, and 38% have household members in the 45-64 age group which indicates the results may focus on family and senior recreation.**
- **Approximately 46% of respondents indicated they visited parks more frequently than pre-pandemic whereas 41% indicated number of visits remained the same.**

On September 21, 2022, Delta Township hosted a public input open house to receive feedback regarding the 5-Year Parks and Recreation Master Plan.

Three interactive stations were set up to allow participants to provide feedback at their own pace. Participants were provided with poling dots, post-it notes, comment cards, and pens to use at the stations.

The interactive stations were facilitated by VIRIDIS and Township staff. In addition, each participant was provided with a handout questionnaire and were asked to fill it out and leave behind. The following is a summary of feedback received at the input session.

What should be added?

- Add Pickleball, tennis, and exercise stations at Mt Hope
- Outdoor ice rink and warming station
- Restroom along East/West path
- Nature trails
- Indoor recreational space
- New rec center to replace Enrichment Center (multiple mentions)
- Dog park
- CREATING INSPIRATIONAL AND ENDURING EXPERIENCES
- More Pickleball courts (multiple mentions)
- Swimming activities, make better use of Waverly Pool
- Facilities for 5-18 age group
- Baseball diamonds, basketball, lacrosse field, tennis courts - for youth

What could be better?

- Add water stations along East/West Path
- More shade in parks
- Bathrooms at Delta Mills missing soap dispensers.
- The Enrichment Center is in rough condition and has leaks in the walls and the roof.
- Better awareness of Players Club and what can you do there.
- Would love to see some development at Lootens
- Pickleball courts at Delta Mills are crowded.
- Can't find Players Club

What is the Township doing well?

- Pathways are great.
- Mt Hope is well maintained.
- Thank you for resurfacing the courts at Delta Mills
- The trails at Sharp Park are great.
- Delta Mills and Sharp Parks are well maintained.
- Music in the park is good.
- East west path maintained well.
- Parks, sidewalks, nature trails are great.
- Love Mt Hope Park, great family activities

Goals & Objectives



GOAL 1

Enhance existing recreation facilities to provide a high quality, accessible, and safe recreational experience at all current Township parks and facilities.

- Provide access to all users by meeting or exceeding barrier-free standards.
- Update existing playgrounds to meet current safety and ADA guidelines.
- Evaluate security measures such as call boxes, security systems, and lighting.
- Work with enforcement agencies and community organizations to provide a safe environment for park users.
- Maintain park facilities by providing adequate staff, equipment, and response systems.
- Incorporate low maintenance products and equipment that save energy, reduce wear, reduce environmental impact and reduce demands on staff.

GOAL 2

Preserve, protect, and improve historic, natural, scenic, and environmentally sensitive areas for appropriate public use and enjoyment and habitat protection.

- Develop management / maintenance strategies for natural areas including eradication of invasive species, enhancement of natural areas, and protection of water quality.
- Identify land acquisition opportunities to preserve environmentally sensitive areas.
- Provide programs and interpretive facilities that educate the public about the environment.
- Provide programs and facilities that support the conservation, protection, and preservation of the natural environment.

Goals & Objectives Cont.



GOAL 3

Expand the diversity of recreation facilities available at new or existing recreation facilities to offer year-round opportunities for individuals of all ages and abilities in order to meet current and future demands.

- Identify new innovative equipment and/or facilities.
- Integrate technology into parks and public spaces.
- Provide playground equipment for all ages.
- Provide wide range of active and passive recreation facilities and programs with four season activities for all ages.
- Acquire property as it becomes available to ensure recreational opportunities keep pace with the needs of the community.
- Promote healthy and active lifestyles through fitness programs, four season recreation, and activities that encourage healthy habits.

GOAL 4

Encourage community partnerships and joint ventures with groups and organizations that have a supportive relationship.

- Identify organizations with similar goals that can be collaborative and share costs for activities and events.
- Collaborate with local agencies, area school districts, adjacent municipalities, and other public organizations to share resources.
- Coordinate with local non-profit organizations to identify synergistic programs and activities.
- Explore opportunities to partner with private organizations to encourage philanthropic investment in Township Park and Recreation facilities.
- Facilitate partnerships that support venues for cultural, and recreational activities.

Goals & Objectives Cont.



GOAL 5

Provide non-motorized and way finding connections between parks, neighborhoods, community facilities, and municipalities.

- Identify potential opportunities for regional non-motorized trail connections to adjacent communities.
- Provide non-motorized connections to connect users with facilities throughout the community.
- Develop a way finding system to assist users locate facilities more easily and locate their proximity within the park system.
- Explore opportunities for easement acquisition for future trail connections.
- Explore opportunities to connect trail systems to local businesses.
- Develop a funding mechanism for long term trail maintenance.

GOAL 6

Acquire property as it becomes available to ensure recreational opportunities keep pace with the needs of the community.

- Plan for long-range needs to develop existing Township owned land, expansion of existing park facilities, and acquire new park property.
- Provide a geographically balanced park system throughout the Township.
- Encourage new residential projects to include parkland and/or open spaces to serve future residents

Goals & Objectives Cont.



GOAL 7

Increase community awareness of available park facilities and programs through communication, promotion, and branding.

- Promote volunteer opportunities and other methods of citizen support for programs and parks.
- Encourage public engagement in park facility development and programs through community outreach projects, stewardship programs, and interpretive programs.
- Continue to publicize park events, facilities, and programs through social media, newsletters, press releases, websites, promotional events, and other media outlets.
- Increase resident awareness of the Township's park goals, events, and accomplishments to get the community involved in programs and increase use of park facilities.

GOAL 8

Promote healthy and active lifestyles through park and recreation facilities and programs.

- Promote awareness of fitness programs that support healthy lifestyles.
- Provide four season recreation opportunities.
- Provide recreation facilities that encourage healthy habits.
- Target programs for specific age groups based on current trends.

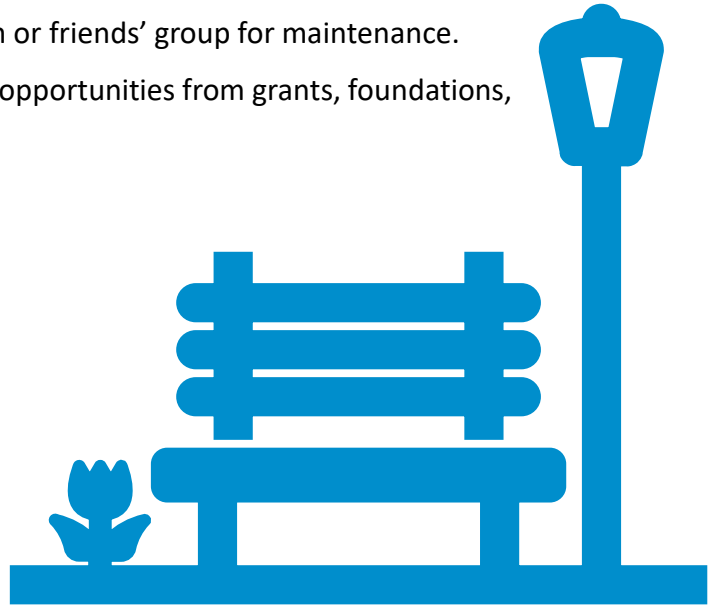
Goals & Objectives Cont.



GOAL 9

Explore sustainable funding opportunities for future park development and maintenance.

- Explore partnerships with local corporations.
- Develop a fundraising arm or friends' group for maintenance.
- Continue to seek funding opportunities from grants, foundations, millages, and donations.



GOAL 10

Identify opportunities for place making and public space development

- Integrate technology into parks and public spaces.
- Provide space for public art display.
- Provide for the display/use of sustainable technologies in public spaces.
- Use public space to promote the branding and identity of the park system.









The Last Few Years









Events & Programs









SPECIAL EVENTS	2020	2021	2022
Daddy/Daughter Dance Participants	420	125	350
Meet and Greet with the Easter Bunny	0	50	80
Mother/Son Dance Participants	400	114	250
Mother/Daughter Participants	0	87	332
Beer Fest			205
Kids Fest			2000
Kids Mud Run - Children Runners	0	118	219
Kids Mud Run - Adult Runners	0	100	100+
Lighted Pumpkin Trick or Treat Businesses	0	29	42
Lighted Pumpkin Trick or Treat Adults (estimate)	0	1490	1600
Lighted Pumpkin Trick or Treat Children Participants	0	745	800+
Santa's Hotline Calls/Santa Mailbox Letters	50	50	50
Pint Size Picassos Program Participations (includes adults)	90	300	195
Movies in the Park	2	2	2
Music in the Park Spectators - estimate	0	1200	1400

Events & Programs

Youth Enrichment	2020	2021	2022
Toddler & Me	7	29	53
Creative Dance 1	24	90	107
Creative Dance 2	10	75	117
Ballet	11	33	71
Jazz	10	15	18
Contemporary	5	7	19
Summer Dance Camps	0	8	80
Tap Dance	0	11	44
Children Dance Company	0	5	7
Musical Theatre Dance	0	6	23
Home Alone	0	31	36
Total Youth Enrichment Participants	**67**	**310**	**575**







AQUATICS	2020	2021	2022
Swim Class Registration	63	0	0
Swim Class Participations (participants x8)	504	0	0
Adult Aerobic Participations	1,688	4,454	4,254
Adult Aerobic Cards	143	370	310
Family Swim /Lap Swim Participations	633	1,457	1,965
Family Swim/Lap Swim Cards	52	144	183
Total Aquatics Participants	**2,825**	**5,911**	**6,219**

SENIOR ACTIVITIES	2020	2021	2022
Alzheimers Group	13	71	70
Arthritis Exercise	58	21	73
Barre Fitness	94	81	157
Bingo Participants	920	734	2929
Bridge Participants	63	54	194
Chair Massage	19	32	77
Class Participations (Genealogy, AARP, etc.)	33	565	177
Computer Class Participations	299	415	650
Cribbage Participations	92	93	421
Double Pinochle Particpations	n/a	20	152
Euchre Participants	360	377	1354
Foot Care Participants	121	211	204
Jazzercise Lite Participations	416	305	69
Learn to crochet/knitting	54	71	218
Lunches Served	812	790	2124
Mahjong Participants	20	27	31
Pinochle Participants	110	97	475
Scrabble Participants	68	90	492
Senior Core Participants	500	1067	1698
Tai Chi Class Participations	0	20	223
Yoga Class Participations	393	1045	503
Zumba Gold	463	1044	905
39ers Trips Offered	1	2	4
Trips Participants	25	53	109
Total Senior Center Activities Attendance	**4,921**	**7,214**	**13,239**

Events & Programs

YOUTH SPORTS	2020	2021	2022
Spring Youth Soccer & Itty-Bitty Kicker Players	Covid	297	512
Fall Youth Soccer & Itty-Bitty Kicker Players	Covid	256	285
Youth Boys Baseball Players	38	52	81
Youth Coed T-Ball Players	80	69	86
Youth Flag Football Players	Covid	63	80
Youth and Adult Golf Participants		54	61
Youth Tennis Lessons Participants	Covid	49	71
Youth Coed Basketball Players	147	0	103
Youth Basketball Spring Camp Participants	Covid	21	50
Youth Basketball Fall Camp Participants	Covid	30	89
Total Youth Participants	**377**	**943**	**1418**

ADULT SPORTS	2020	2021	2022
Adult Summer Softball Teams	Covid	56	52
Adult Summer Softball Players	Covid	707	651
DNR/DEQ League Teams	Covid	6	6
DNR/DEQ League Players	Covid	72	72
Adult Fall Softball Teams	44	31	27
Adult Fall Softball Players	942	265	341
Adult Coed Kickball Summer Teams	Covid	7	8
Adult Coed Kickball Summer Players	Covid	84	96
Adult Coed Kickball Fall Teams	5	8	6
Adult Coed Kickball Fall Players	73	96	72
Adult Coed Indoor Volleyball Teams	5	0	4
Adult Coed Indoor Volleyball Players	43	0	40
Total Adult Participants	**1,112**	**1,224**	**1,272**

Rentals

Rentals	2020	2021	2022
Community Center Rentals	48	244	243
Enrichment Center Rentals	29	114	228
Shelter/Pavilion Rentals	56	316	309
Total Rentals	**133**	**674**	**471**
Total Revenue	**$16,943**	**$71,197**	**$101,066**













The Last 10 Years









Parks Review – DNR Grant History

DNR Grants			
Year	**Grant #**	**Grant Amount**	**Project Description**
1973	LW 26-00517	$220,937.20	Sharp Park Land Acquisition and Development
1977	LW 26-00981	$112,067.97	Anderson Park Land Acquisition
1979	TF 316	$185,000	Anderson Park Land Acquisition
1980	LW 26-01098	$55,000	Lootens Park Land Acquisition
1985	TF 1030	$68,000	Anderson Park
2000	T F00-0052	$65,000	Hunter's Orchard Park Development
2008	TF 08-005	$244,700	Sharp Park Pathway & Development
2014	TF 14-0198	$281,000	Mount Hope Park Land Acquisition
2014	LW 14-0053	$32,500	Delta Mills Pickleball Courts Development
2015	TF 15-0055	$49,500	Hawk Meadow Park Restroom Building Development
2016	TF 16-0002	$162,500	West Willow Canoe Launch Development
2016	TF 16-0004	$175,000	Delta Mills Restroom Development
2016	LW 16-0001	$150,000	Mount Hope Park Development
2017	TF 17-0074	$298,500	Delta Mills-Hunter's Orchard Park Pathway Development
2017	TF 17-0075	$237,500	Delta Mills Canoe Launch & Renovations
2017	LW 17-0025	$62,300	Mount Hope Park Neighborhood Connector Pathway Development
2019	LW 19-0017	$300,000	Mount Hope Park North Baseball Fields Development
2019	LW 19-0018	$212,500	Mount Hope Park Perimeter Pathway Development
2019	LW 19-0019	$300,000	Hawk Meadow Park Pathway Development
2019	TF 19-0068	$225,000	Hunter's Orchard Park Pathway Development
2019	TF 19-0069	$50,000	Delta Mills Playground Restroom Renovation
2020	TF 20-0105	$30,000	Elmwood Road Land Acquisition
2020	TF 20-0108	$75,000	North Canal Road Land Acquisition
2020	LW 20-0023	$300,000	East-West Pathway & Sharp Park Renovation
Total		**$3,892,005**	

Not Awarded					
2020 - Sharp Park Shelter	NO	MNRTF	$50,000	$100,000	$50,000
2019 - Sharp Park Renovation	NO	MNRTF	$300,000	$850,000	$550,000
2018 - Hunter's Orchard Park Pathway	NO	MNRTF	$300,000	$400,000	$100,000
2015 - Community Center Pathway	NO	MNRTF	$150,000	$300,000	$150,000
2015 - Mount Hope Park Phase	NO	MNRTF	$200,000	$400,000	$200,000
2015 - Willow Hwy. Canoe Launch	NO	LWCF	$100,000	$200,000	$100,000
2014 -Delta Mills & Hunter's Orchard Pathway	NO	MNRTF	$260,000.00	$495,000	$235,000
2014 - Hawk Meadow Park Restrooms	NO	RP	$45,000.00	$89,000	$44,000
Total			$1,405,000	$2,834,000	$1,429,000

- 8 grants from 1973-2008
- 18 grants awarded since 2014
  - 18/26 = 69%
  - 8 unsuccessful but 6 awarded at a later year
  - Remaining 2 – Pathway from CC to Hunters & stand-alone shelter at Sharp
- 1 grant submitted in 2018
- No grants submitted since 2020

Parks Review – The Last 10 Years

Project	Awarded	Fund	Grant Amount	Total Project Cost	Township Match
2020 - Sharp Park Renovations & Pathway Development	YES	LWCF	$300,000	$850,000	$550,000
Elmwood Road Land Acquisition	YES	MNRTF	$22,105	$29,473	$7,368
North Canal Road Land Acquisition	YES	MNRTF	$75,000	$121,171	$46,171
2019 - Hunter's Orchard Park Pathway	YES	MNRTF	$225,000	$450,000	$225,000
Delta Mills Park Playground Restroom	YES	MNRTF	$50,000	$135,000	$85,000
Mount Hope Park Perimeter Pathway	YES	LWCF	$212,500	$425,000	$212,500
Hawk Meadow Park Pathway	YES	LWCF	$300,000	$600,000	$300,000
Mount Hope Park Baseball Fields	YES	LWCF	$300,000	$650,000	$350,000
2017 - Mount Hope Park - Neighborhood Connector Pathway	YES	LWCF	$62,250	$254,209	$191,959
Delta Mills Park Canoe Launch & Park Improvements	YES	MNRTF	$237,500	$603,921	$366,421
Old River Trail Pathway	YES	MNRTF	$298,500	$561,006	$262,506
2016 - Mount Hope Park Phase 2 Development	YES	LWCF	$150,000	$4,189,251	$4,039,251
Willow Hwy. Canoe Launch	YES	MNRTF	$162,500	$495,588	$333,088
Delta Mills Park Restrooms Building	YES	MNRTF	$175,000	$355,271	$180,271
2015 - Hawk Meadow Park Restrooms Building	YES	MNRTF	$49,500	$98,921	$49,421
2014 - Mount Hope Park Land Acquisition	YES	MNRTF	$281,000.00	$395,286	$114,286
Delta Mills Park Pickleball Courts	YES	LWCF	$32,500.00	$73,858	$41,358
Totals			$2,933,355	$10,287,955	$7,354,600

Parks Review – 2014 - 2015

Project	Fund	Grant Amount	Total Cost	Township Match
2014 - Mount Hope Park Land Acquisition	MNRTF	$281,000.00	$395,286	$114,286
2014 - Delta Mills Park Pickleball Courts	LWCF	$32,500.00	$73,858	$41,358
2015 - Hawk Meadow Park Restrooms Building	MNRTF	$49,500	$98,921	$49,421
Totals		$363,000.00	$568,065.00	$205,065.00

Conceptualizing Mt. Hope Park

New park part of Delta's open space master plan

By Phil Marlatt
For the Grand Ledge Independent

DELTA TWP. — Delta Township's parks and recreation department has begun creating a master plan for its community parks, and the final draft may soon be available.

The plan for open space is in the first phase of development. This stage includes analyzing possibilities for improvement and expansion of the parks in Delta Township.

For the first time since the parks commission started doing five-year master plans they are relying on an outside consulting firm to develop the plan.

Dick Benkert, director of the parks and recreation department, sees this plan as a necessary step to improve the township's future. He also sees the value in bringing in a consulting firm to create the draft. "It gives us an outside perspective."

The consulting firm, DLZ, helped develop the state of Michigan's capitol building and the surrounding area in downtown Lansing. DLZ's help on this project helped it earn the Engineer of the Year award.

Delta Township's parks and recreation department is able to put extra funding into developing the community parks.

Some of the parks department's budget comes from revenue they produce from various athletic programs and special events. The remainder of the funding comes from the township's general fund.

"We've really got everything we need to continue," said Benkert.

New park

One major objective of the park and recreation's master plan is to develop a 60-acre parcel of land on Mt. Hope Highway being proposed as a public park to include ball diamonds, soccer fields, playgrounds and tennis courts.

Jerry Sosnowsky, one of the consultants working on the master plan, said they are considering many different options for how to set up the proposed park. The final master plan will include a final layout for the Mt. Hope Highway property.

"We are trying to make each design as versatile as it can possibly be," Sosnowsky said.

The final draft of the open space master plan was presented to the commission board meeting on Dec. 1 said parks and recreation commission President John Keel. They revised it and make changes before presenting the plan to the community. Keel believes the draft will not be ready to open to public forum until at least January.

The plan developed by DLZ includes positives, negatives, opportunities, priorities and suggested additions for each of Delta Township's nine parks. According to Sosnowsky Sharp Park has the most potential to become a better park.

"Sharp Park is best suited for pedestrians because it is linked to the mall," Sosnowsky said. "There are opportunities to make this a signature park."

2006 Parks and Recreation Master Plan

Acquisition of Approximately 120 acres

- East **60 acres** parcel acquired in a land swap in August 2003



- West **60 acres** parcel purchased with MDNR grant funding in 2015. *This parcel will need to remain park space in perpetuity as a condition of MDNR grant.*



Pickleball Courts

DAPA

- Non-Profit
- Fundraising
- Shade Structure
- Storage Shed
- Scheduling for Delta Courts









Hawk Meadow Park





Parks Review – 2016

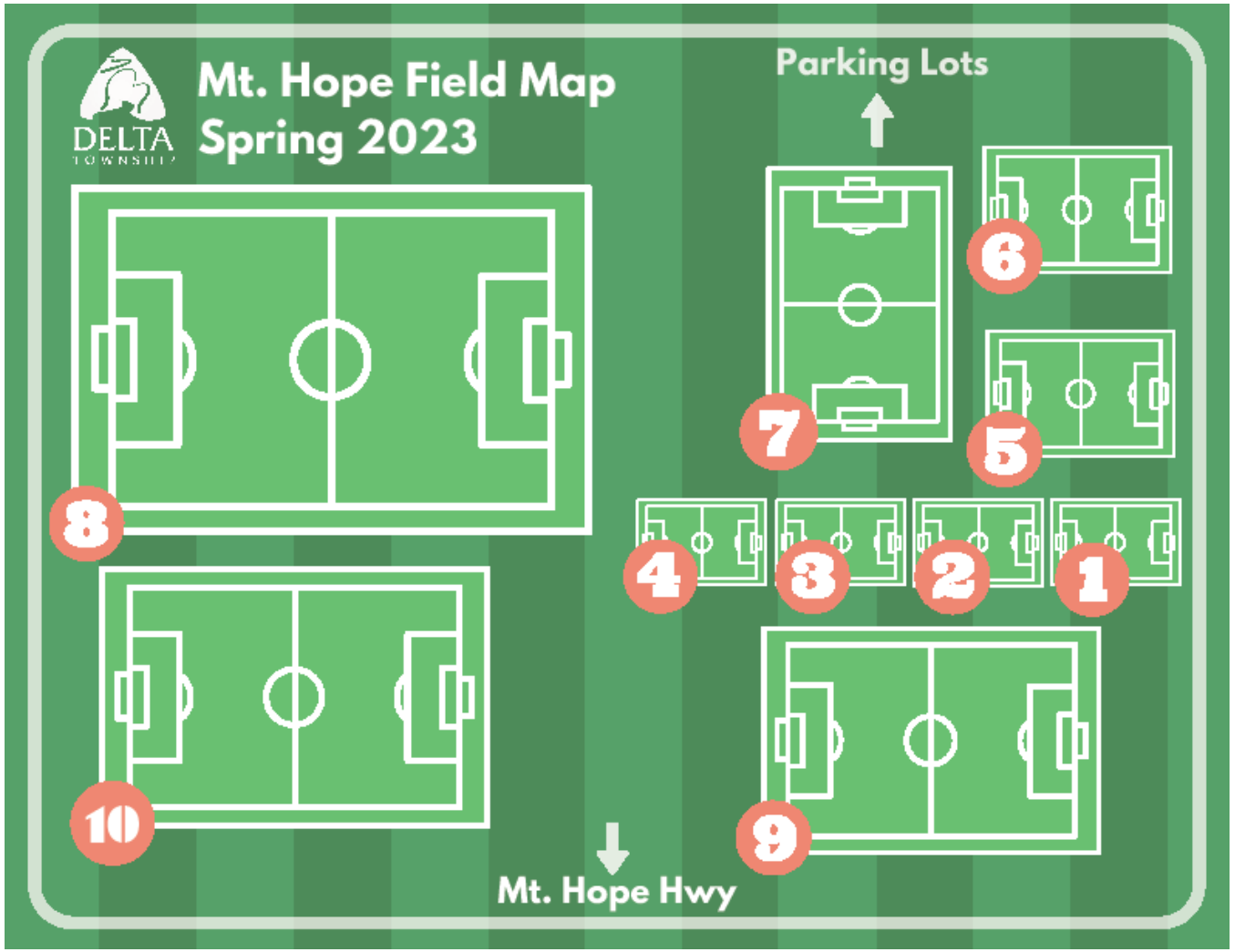
Project	Fund	Grant Amount	Total Cost	Township Match
2016 - Mount Hope Park Phase 2 Development	LWCF	$150,000	$4,189,251	$4,039,251
2016 - Willow Hwy. Canoe Launch	MNRTF	$162,500	$495,588	$333,088
2016 - Delta Mills Park Restrooms Building	MNRTF	$175,000	$355,271	$180,271
Totals		$487,500.00	$5,040,110.00	$4,552,610.00











ADULT SPORTS	2020	2021	2022
Adult Summer Softball Teams	Covid	56	52
Adult Summer Softball Players	Covid	707	651
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Youth and Adult Golf Participants		54	61
Youth Tennis Lessons Participants	Covid	49	71
Youth Coed Basketball Players	147	0	103
Youth Basketball Spring Camp Participants	Covid	21	50
Youth Basketball Fall Camp Participants	Covid	30	89
Total Youth Participants	**377**	**943**	**1418**

- Willow Hwy Canoe Launch
  - Canoe Launches
  - Native Wildflower Garden
  - Parking Lot










MIDDLE GRAND RIVER
WATER TRAIL
Willow Canoe Launch
Next Access:
Jaycee Park Launch
2.3 mi
140.4 mi to Lake Michigan
DELTA TOWNSHIP
MGROW.org/trailmap


Willow Canoe Launch

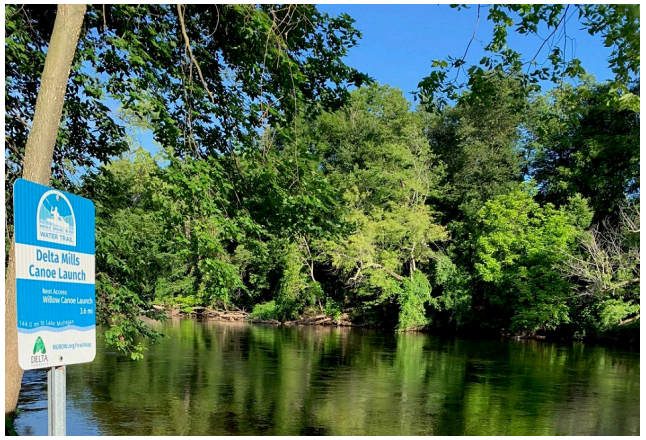

EZ Launch
ACCESSIBLE TRANSFER SYSTEM
KAYAKS & CANOES
Slide Over
Pull Out Correct Height
Launch/Pull Off
Re-Enter/Pull On
www.ez-dock.com

Parks Review – 2017

Project	Fund	Grant Amount	Total Cost	Township Match
2017 - Mount Hope Park - Neighborhood Connector Pathway	LWCF	$62,250	$254,209	$191,959
2017 - Delta Mills Park Canoe Launch & Park Improvements	MNRTF	$237,500	$603,921	$366,421
2017 - Old River Trail Pathway	MNRTF	$298,500	$561,006	$262,506
Totals		$598,250.00	$1,419,136.00	$820,886.00











Delta Mills Park

- Canoe Launches
- Observation/Fishing Deck
- Basketball Court
- Pickleball Courts
- Cricket Field
- Playground
- Restroom Building
- Parking Lot
- Playground Restroom Building



- Connector Path from Hunter's Orchard Park to Delta Mills Park
- DNR Grant
- TAP Grant











Neighborhood Pathway Connector

- Pathway connecting park to Pointe West and Ashford Manor
- Future connection to perimeter pathway & other neighborhoods
- Bike Fix-Station grant from the Tri-County Bicycle Association

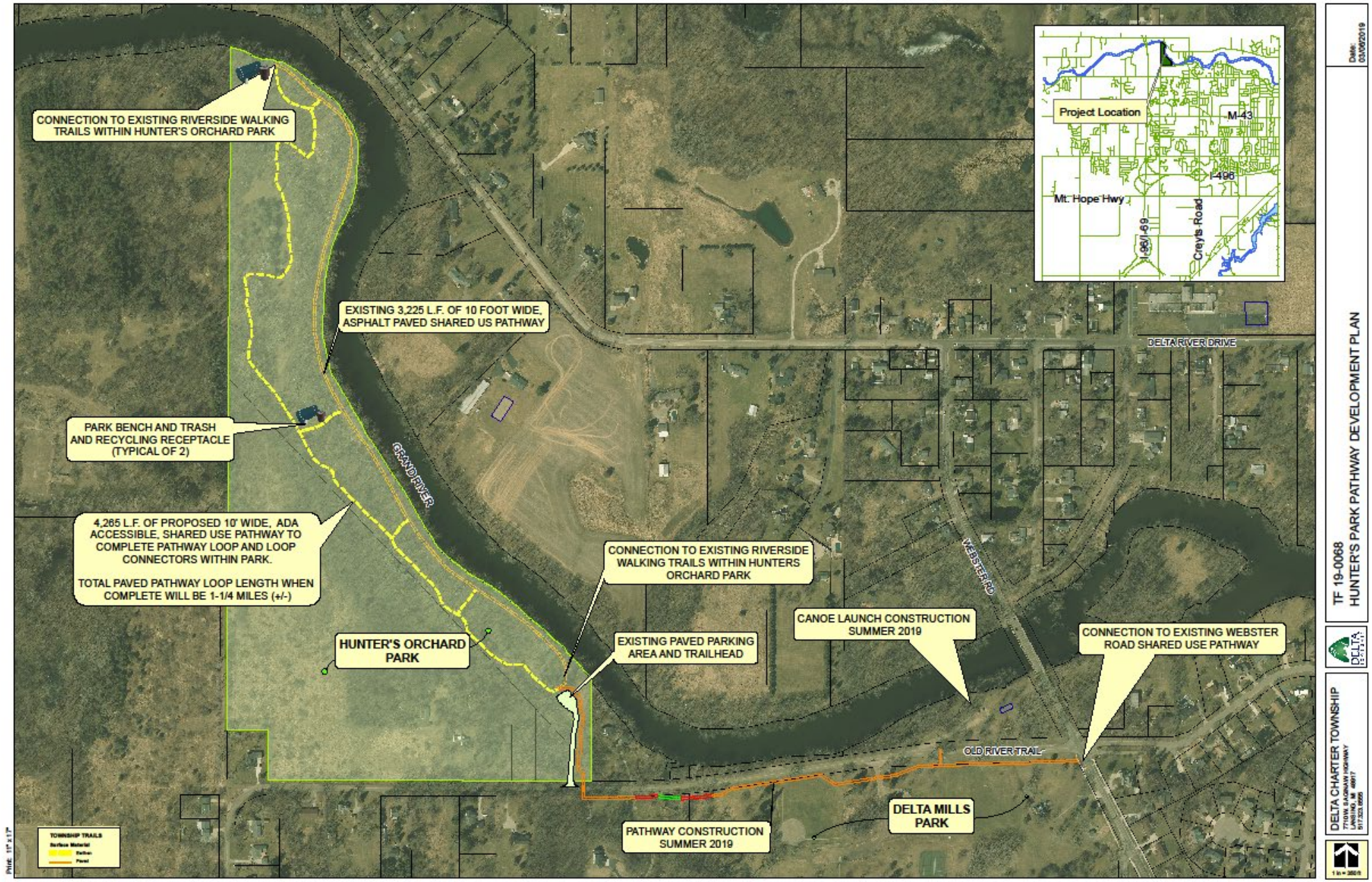
Neighborhood Connector Pathway



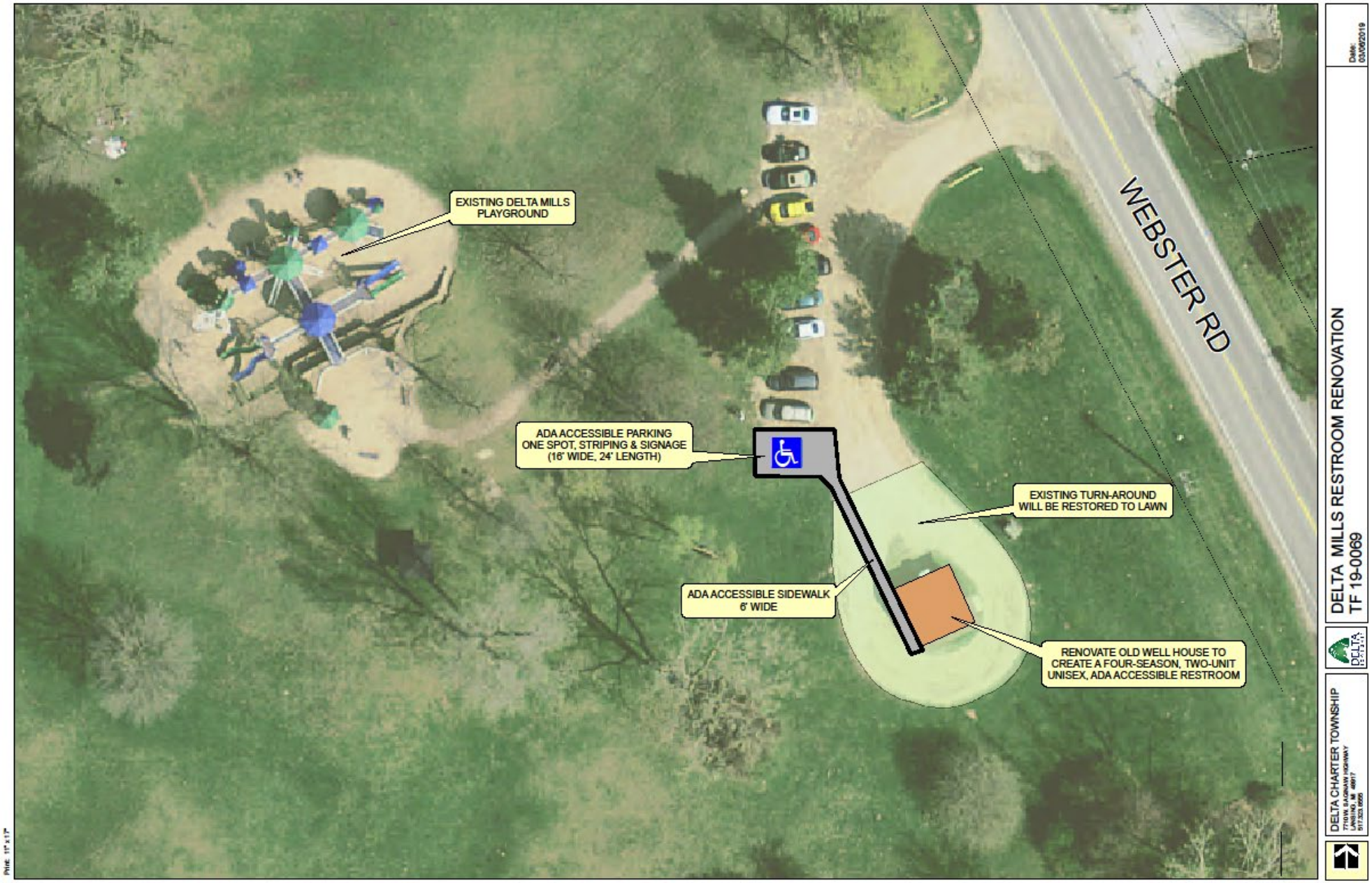
Parks Review – 2019

Project	Fund	Grant Amount	Total Project Cost	Township Match
2019 - Hunter's Orchard Park Pathway	MNRTF	$225,000	$450,000	$225,000
2019 - Delta Mills Park Playground Restroom	MNRTF	$50,000	$135,000	$85,000
2019 - Mount Hope Park Perimeter Pathway	LWCF	$212,500	$425,000	$212,500
2019 - Hawk Meadow Park Pathway	LWCF	$300,000	$600,000	$300,000
2019 - Mount Hope Park Baseball Fields	LWCF	$300,000	$650,000	$350,000
Totals		$1,087,500.00	$2,260,000.00	$1,172,500.00

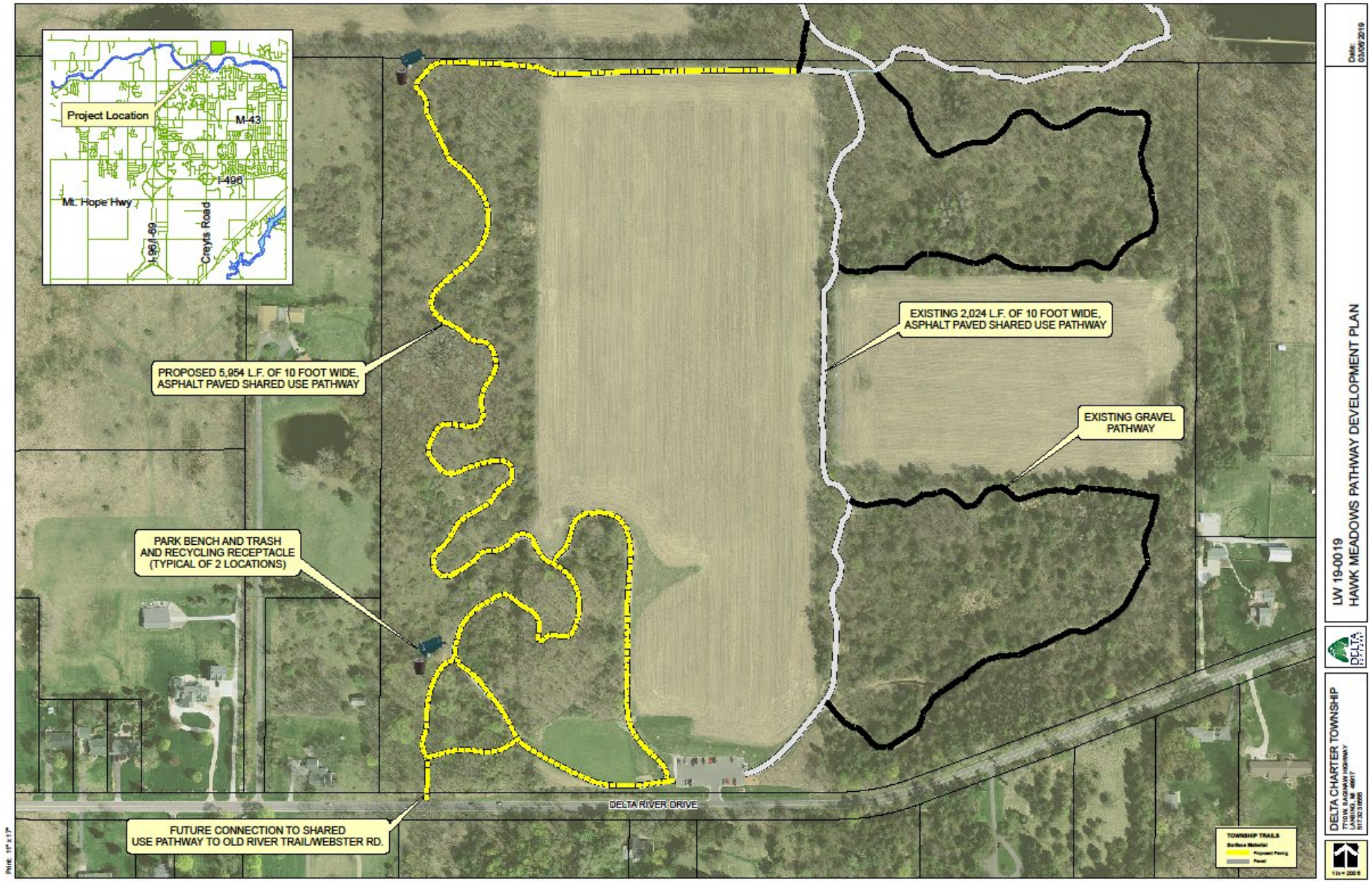
Hunter's Orchard Park Pathway Development



Delta Mills Playground Restroom Project



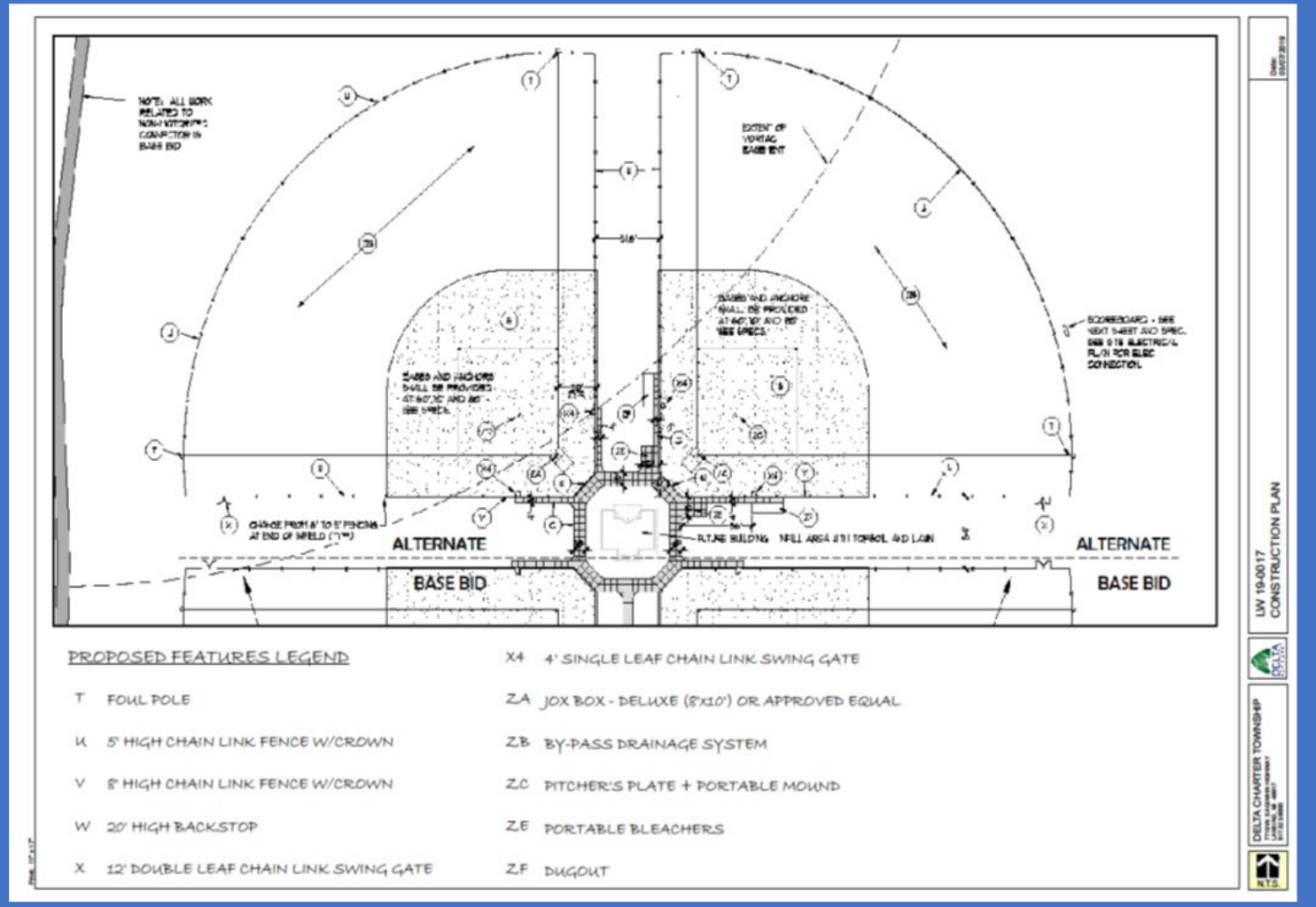
Hawk Meadow Park Pathway Development



Mount Hope Projects






ALTERNATE
BASE BID
ALTERNATE
BASE BID
PROPOSED FEATURES LEGEND
T FOUL POLE
U 5' HIGH CHAIN LINK FENCE W/CROWN
V 8' HIGH CHAIN LINK FENCE W/CROWN
W 20' HIGH BACKSTOP
X 12' DOUBLE LEAF CHAIN LINK SWING GATE
X4 4' SINGLE LEAF CHAIN LINK SWING GATE
Z.A JOX BOX - DELUXE (8'x10') OR APPROVED EQUAL
Z.B BY-PASS DRAINAGE SYSTEM
Z.C PITCHER'S PLATE + PORTABLE MOUND
Z.E PORTABLE BLEACHERS
Z.F DUGOUT
LW 19-0017
CONSTRUCTION PLAN
DELTA CHARTER TOWNSHIP
N.T.S.

Parks Review – 2020

Project	Fund	Grant Amount	Total Cost	Township Match
2020 - Sharp Park Renovations & Pathway Development	LWCF	$300,000	$850,000	$550,000
2020 - Elmwood Road Land Acquisition	MNRTF	$22,105	$29,473	$7,368
2020 - North Canal Road Land Acquisition	MNRTF	$75,000	$121,171	$46,171
Totals		$397,105.00	$1,000,644.00	$603,539.00

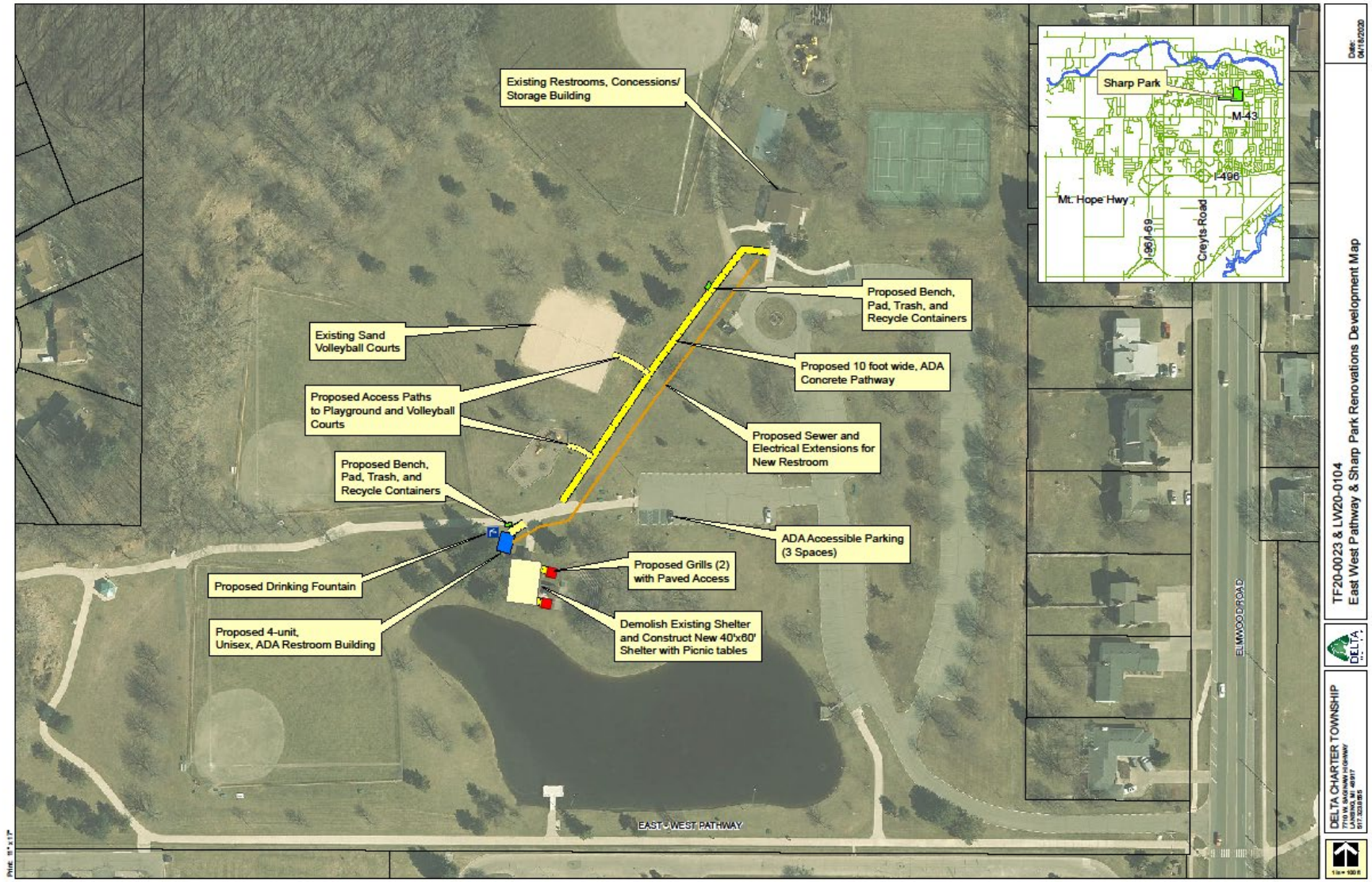
SHARP PARK

Next Phase

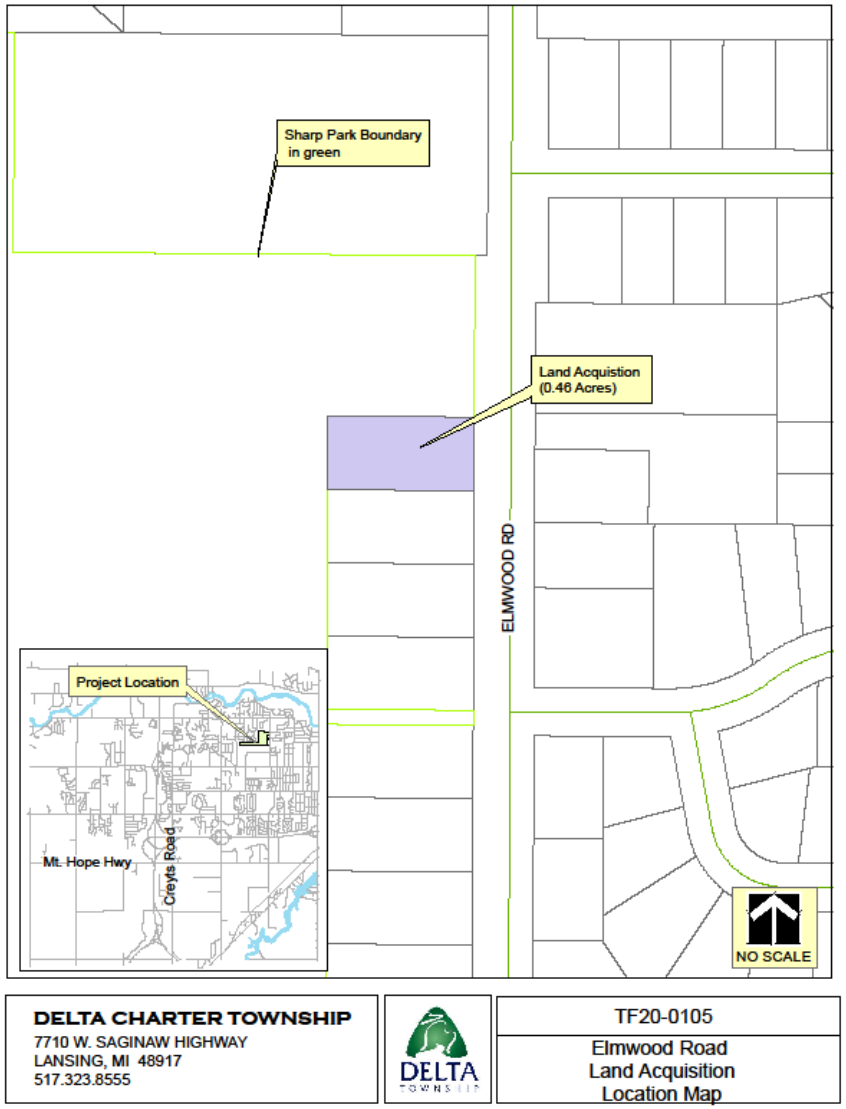
- Pickleball/Tennis Courts
- 2nd Shelter
- Fields Renovations



East- West Pathway & Sharp Park Renovations



Land Acquisitions – Elmwood Road



DELTA CHARTER TOWNSHIP
7710 W. SAGINAW HIGHWAY
LANSING, MI 48917
517.323.8555

DELTA TOWNSHIP

TF20-0105
Elmwood Road
Land Acquisition
Location Map

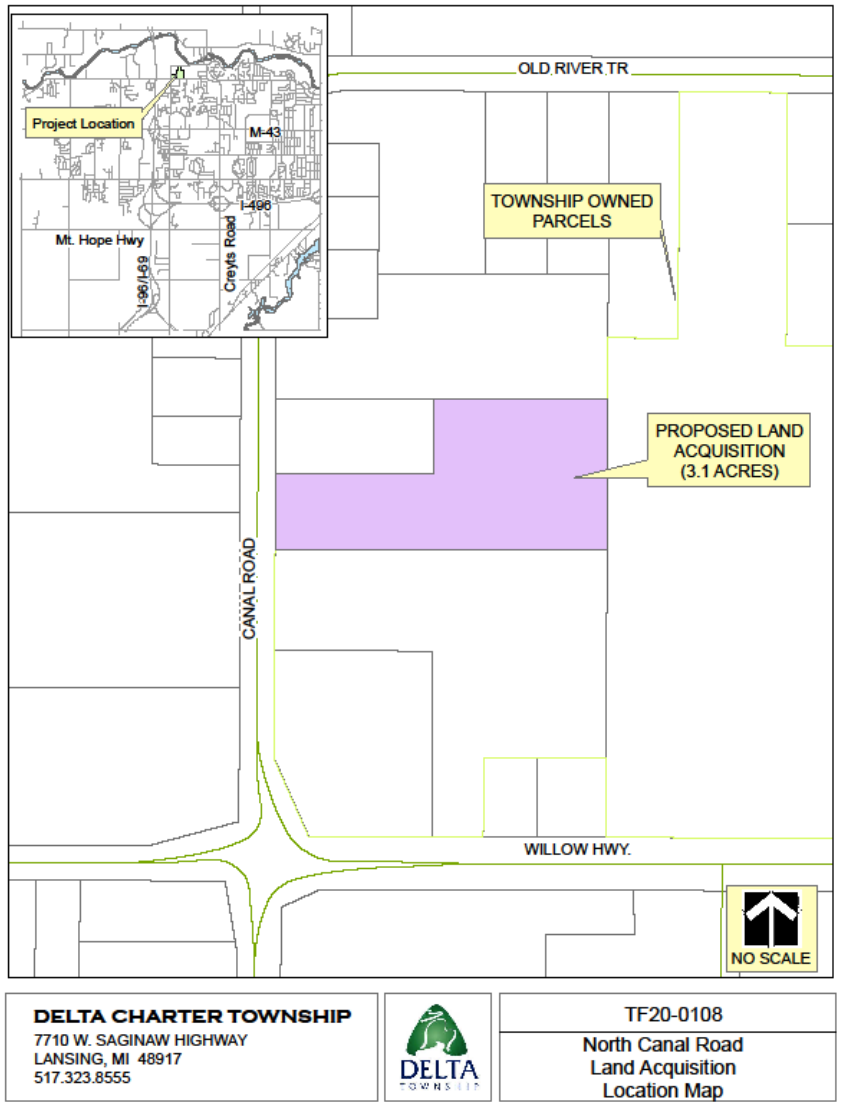


PHOTO
FACING EAST FROM SOFTBALL FEILDS



PHOTO
FACING WEST FROM ELMWOOD ROAD

Land Acquisitions – N Canal Road



DELTA CHARTER TOWNSHIP
7710 W. SAGINAW HIGHWAY
LANSING, MI 48917
517.323.8555

DELTA TOWNSHIP

TF20-0108
North Canal Road
Land Acquisition
Location Map



PHOTO
FACING NORTH



PHOTO
FACING EAST FROM CANAL ROAD

Parks Maintenance Staff

- Parks, Cemeteries, & Recycling

- 6 Full-Time – Year Round
  - 2 dedicated to Cemeteries.
  - 4 dedicated to Parks

- 3 Part-Time – Year Round
  - Parks (2) & Recycling (1)
  - 29 hours per week

- 5 Long-Term Seasonals – April – October
  - Parks (3) & Cemeteries (2)
  - 29 hours per week

- 10 Summer Seasonals – Parks
  - 40 hours per week for 12 weeks



Successes & Challenges

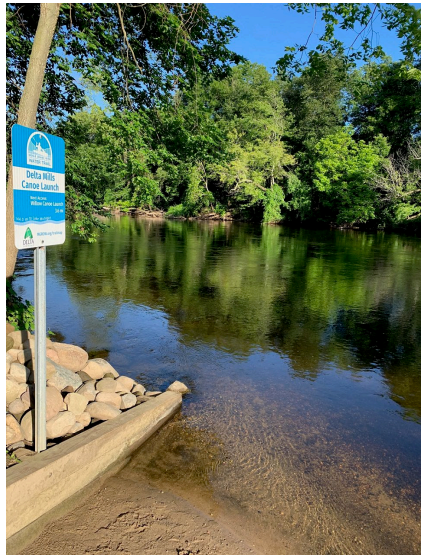
Succusses:

- ✓ Grant Writing
- ✓ Matching Funds
- ✓ Strong & Growing Funding Sources
- ✓ Eaton County Parks Millage
- ✓ Parks Master Plan – Support from residents
- ✓ Continued growth on the west side
- ✓ Parks & Neighborhoods Connections
- ✓ Non-Motorized Connections

Future Challenges:

- ❑ Funding Delays
- ❑ Matching Funds
- ❑ Construction Costs
- ❑ Increase in Supplies Costs
- ❑ Increased Maintenance
- ❑ Staffing




Delta Mills
Canoe Launch






MIDDLE GRAND RIVER
WATER TRAIL
Willow Canoe Launch
Next Access:
Jaycee Park Launch
2.3 mi
140.4 mi to Lake Michigan
DELTA
TOWNSHIP
MGROW.org/trailmap




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MAIL








ving the Delta & Lansing Townships
CHARTERED 1954








SCHOOL OF ROCK




Furmax
EagleMonk
Pub and Brewery


JUST BE