

Lancaster County Council Infrastructure and Regulation Committee Regular Meeting Agenda

Tuesday, April 11, 2017

**County Council Conference Room
County Administration Building
101 N. Main Street
Lancaster, SC 29720**

1. **Call to Order Regular Meeting – Committee Chair Larry Honeycutt** 3:00 p.m.
2. **Approval of the agenda** *[deletions and additions of non-substantive matters]*
3. **Citizens Comments**
4. **Consent Agenda – pgs. 2-6**
 - a. Approval of the following I&R committee meeting minutes:
 - Tuesday, March 14, 2017 I&R Committee Meeting
 - Friday, March 24, 2017 I&R Committee Meeting
5. **Discussion / Action Items**
 - a. Amendment to plans for improvements to Kershaw parks – ***Hal Hiott – pgs. 7-8***
 - b. Amendment to Airport engineering contract for alternate design for taxiway – ***Steve Willis/Paul Moses – pgs. 9-14***
 - c. Discussion of Animal Shelter
 - d. Update on Fleet Operations facility concept proposals – ***Steve Willis/Jeff Catoe – pgs. 15-21***
6. **Adjournment**

Anyone requiring special services to attend this meeting should contact 285-1565 at least 24 hours in advance of this meeting.

Lancaster County Council Infrastructure and Regulation Committee agendas are posted at the Lancaster County Administration Building and are available on the Website: www.mylancastersc.org



Members of Lancaster County Council
I & R Committee

Larry Honeycutt, District 4, Chairman
Terry Graham, District 1
Billy Mosteller, District 3

DRAFT

**Minutes of the Lancaster County Council Infrastructure and Regulation
Committee Meeting**

101 N. Main Street, Lancaster, SC 29720

Tuesday, March 14, 2017

Council Members present were Larry Honeycutt, Terry Graham and Billy Mosteller. Also present were Steve Willis, John Weaver, Sherrie Simpson, various Department Heads and citizens. A quorum of the Lancaster County I & R Committee was present for the meeting.

The following press were notified of the meeting by e-mail or by fax in accordance with the Freedom of Information Act: *Lancaster News*, *Kershaw News Era*, *The Rock Hill Herald*, *Fort Mill Times*, Cable News 2, Channel 9 and the local Government Channel. The agenda was also posted in the lobby of the County Administration Building and on the county website for the required length of time.

Call to Order

Chairman Larry Honeycutt called the meeting to order at 3:00 p.m.

Approval of the agenda

Billy Mosteller moved to approve the agenda as written. Seconded by Terry Graham. Passed 3-0.

Citizens Comments

Janine Gross, 15155 Legend Oaks Court, Indian Land, SC, spoke regarding the animal shelter. Ms. Gross provided handouts attached as Schedule A.

Meta Wasson, 9823 Blackhorse Run, Indian Land, SC, spoke regarding her concern for the sign being down at the animal shelter and the loss of space for cats at the animal shelter.

Nadine Day, 3024 Everett Lane, Indian Land, SC, spoke regarding feral cats versus stray cats and a Trap/Neuter/Return program to control feral cats.

Dr. Elizabeth Hill, 6277 Carolina Commons Drive, Indian Land, SC, spoke regarding the difference between feral and stray/domestic cats and Trap/Neuter/Return programs.

Consent Agenda

Terry Graham moved to approve the Consent Agenda: minutes of the February 14, 2017 Committee meeting and minutes of the March 2, 2017 Committee Work Session meeting. Seconded by Billy Mosteller. Passed 3-0.

Discussion / Action Items

Trap/Neuter/Release program.

Steve Willis discussed a possible Trap/Neuter/Release program for Lancaster County. Funding of the program is uncertain. The animal shelter does not currently distinguish between feral versus stray/domestic cats.

Dr. Hill agreed to arrange a meeting between Larry Honeycutt, John Weaver, Alan Williams, and the three veterinarians willing to neuter cats for the county and discuss pricing for those services. Lancaster Animal Shelter Supporters (LASS) also agreed to make calls to find volunteer networks willing to rescue cats.

Discussion of Animal Shelter.

Larry Honeycutt stated that he toured the animal shelter in Chesterfield. The animal shelter in Chesterfield is similar to the Aiken animal shelter but on a smaller scale. He stated Lancaster County needs land to build a shelter similar to Chesterfield.

Steve Willis agreed to contact the Chesterfield animal shelter to determine the cost for building that shelter.

Update of Pool Resurfacing Project and spending leftover funds.

Katherine Walters explained that the bid for the pool resurfacing project was awarded to Paddock Construction and the project came in under budget. The project should be completed by April 7, 2017. The Recreation Department would like County Council to consider spending the remaining amount of money that is already budgeted for this project

for various repairs, upgrades and life jackets. She provided a handout to the Committee members attached as Schedule B.

Billy Mosteller moved that the request for additional upgrades, repairs and life jackets be forwarded to County Council with a favorable recommendation from the I & R Committee. Seconded by Terry Graham. Passed 3-0.

Adjournment

Billy Mosteller moved to adjourn the committee meeting. Seconded by Terry Graham. Passed 3-0.

Respectfully Submitted:

Approved by the I & R Committee

Sherrie Simpson
Clerk to Council

Larry Honeycutt, Chairman



Members of Lancaster County Council
I & R Committee

Larry Honeycutt, District 4, Chairman
Terry Graham, District 1
Billy Mosteller, District 3

DRAFT

**Minutes of the Lancaster County Council Infrastructure and Regulation
Committee Meeting**

101 N. Main Street, Lancaster, SC 29720

Friday, March 24, 2017

Council Members present were Larry Honeycutt, Terry Graham and Billy Mosteller. Also present were John Weaver, Art Davis of Waters and Company, Jeff Catoe and Steve Willis. A quorum of the Lancaster County I & R Committee was present for the meeting.

The following press were notified of the meeting by e-mail or by fax in accordance with the Freedom of Information Act: *Lancaster News*, *Kershaw News Era*, *The Rock Hill Herald*, *Fort Mill Times*, Cable News 2, Channel 9 and the local Government Channel. The agenda was also posted in the lobby of the County Administration Building and on the county website for the required length of time.

Call to Order

Chairman Larry Honeycutt called the meeting to order at 10:00 a.m.

Citizens Comments

There were no citizens that came forward for comments.

Executive Session

Billy Mosteller moved that the Committee go into Executive Session. Seconded by Terry Graham. The motion was unanimously passed to go into Executive Session to hear a personnel matter.

Upon conclusion of the Executive Session, Billy Mosteller moved that the Committee come out of Executive Session. Seconded by Terry Graham. The motion was unanimously passed to come out of Executive Session.

Adjournment

There was a motion made and unanimously passed to adjourn the Committee meeting. The meeting was adjourned at 12:40 p.m.

Respectfully Submitted:

Approved by the I & R Committee

Sherrie Simpson
Clerk to Council

Larry Honeycutt, Chairman

Agenda Item Summary

Ordinance # / Resolution#:	Discussion Item
Contact Person / Sponsor:	Hal Hiott
Department:	Parks and recreation
Date Requested to be on Agenda:	April I&R Committee Meeting

Issue for Consideration:

Amendment to plans for improvements to Kershaw parks.

Points to Consider:

Due to septic tank concerns the Parks and Recreation Commission and staff have amended the plans for improvements in the Kershaw area. Restroom facilities will be dropped, in favor of using portable toilets (an operational expense, not a capital expense).

In lieu of the restroom facilities, a playground, similar to Springdale but on a smaller scale due to pricing, is proposed for the Kershaw Recreational Complex.

A copy of the new project list, as voted on by the Commission, is attached as information.

*Note – the fencing and dugout work at Boan Field was already approved by County Council and that work has been completed.

Funding and Liability Factors:

No change in the bottom line budget.

Council Options:

This will be in the annual budget ordinance for Council consideration.

Staff Recommendation:

At this point this is just information but we did want to make I&R aware of this for such input as you wish to offer the rest of Council.

Committee Recommendation:

To be determined.

Approved by the Recreation Commission on 3/14/17

SDPRT approved the sale as long as funds were used for improvements in the Kershaw area because of grant funds from SDPRT that were used in purchase of the property.

Projects approved by Commission	Real Cost
New fence and dugouts at Boan Baseball/softball field (older field)	\$11,200
Fence along trailer Park at Mullinax soccer field	\$ 5,900
Irrigation at Mullinax soccer field	\$ 7,500
Playground at AJ Recreation Complex	\$25,825
Total	\$50,425

Agenda Item Summary

Ordinance # / Resolution#:	Discussion/ Action Item
Contact Person / Sponsor:	Paul Moses
Department:	Airport
Date Requested to be on Agenda:	April I&R Meeting/ April 24 th Council Meeting

Issue for Consideration:

Amendment to Airport engineering contract for alternate design for taxiway.

Points to Consider:

The FAA is recommending a potential concrete alternative to the taxiway project. Attached is the FAA summary with concerns about the asphalt design due to strong competition with roadway projects.

We ran into this issue years ago with the runway. A concrete design will give twice the life of an asphalt design in addition to supporting larger planes.

The FAA recommends we pursue this option.

Funding and Liability Factors:

The total cost for the change order is \$23,592. Of this the FAA will pay 90%, the state 5%, and our local match of 5% comes to \$1,180.

Kim advises there will be no problem covering this amount in our grant match account (the overall project is an FAA grant).

Council Options:

Approve or reject the change order.

Staff Recommendation:

Approve the change order.

Committee Recommendation:

To be determined.

LANCASTER COUNTY AIRPORT COMMISSION

Work Authorization for Professional Services

SC1201-05
(Project Identification No.)

Five (5) – Amendment #1
(Work Authorization No.)

It is agreed to undertake the following work in accordance with the provisions of our Prime Agreement for Professional Services dated February 10, 2014.

Description of Assignment:

Amendment #1 to Task Order Number 5 will include lighting design services to address apron flood lighting. In addition, the amendment will include bidding phase services.

Period of Services:

Holt Consulting will provide design services in accordance with the attached Scope of Work, to be completed within 120 days from the Notice to Proceed.

Basis of Compensation:

The OWNER shall compensate the CONSULTANT for the Basic and Special Services, described herein, on a lump sum basis in the following amount: \$23,592.00, as shown in Attachment B, Fee Breakdown.

Agreed as to the scope of services, period of services, and budget*:

**LANCASTER COUNTY
AIRPORT COMMISSION**

HOLT CONSULTING COMPANY, LLC

BY: _____

BY: _____

DATE: _____

DATE: _____

*Budget will not be exceeded without a Supplemental Work Authorization.

Attachments: Attachment A – Scope of Work
Attachment B – Fee Breakdown

Attachment A

Lancaster County Airport Aircraft Apron Expansion

Scope of Services – Amendment #1 to Task Order No. 5

Project Description

The Lancaster County Airport intends to construct a new apron expansion located just north of the aircraft terminal that would accommodate heavier GA aircraft parking. The apron expansion will be approximately 220' wide x 240' long (Base Bid) and 220' wide x 400' long (Base Bid and Additive Bid) to allow parking and maneuvering of several large aircraft at a time. Design and permitting phase services of the apron expansion were included in Task Order Number 5.

During a review meeting, the Airport Manager raised concerns with the adequacy of existing flood lighting. Since the apron is expanding, there is not sufficient lighting for parked aircraft that will be using the new apron. Amendment #1 to Task Order Number 5 will include lighting design services to address the apron flood lighting. In addition, the amendment will include bidding phase services for the project since it is anticipated that funds will be available for construction.

The project will include the following Civil Engineering Services:

General

- Project Management
- Client Meetings and Correspondence
- Quality Control

Design

- Lighting Design
 - Exterior Apron Floodlighting
 - Photometric calculations
 - Lighting controls for energy-efficient use of lighting

Documentation

- Drawings
- Specifications
- Engineer's Cost Estimate
- Engineer's Report

This scope does not include:

- Utility Design (beyond the lighting design specified herein)
- Construction Phase Services

Attachment A

Other Provisions

- The Airport will provide Holt Consulting and the sub-consultants access to the site and all available information pertinent to this project. This includes access to as-built drawings, and documents on existing conditions within the project limits.
- The Airport may negotiate additional contract(s) with Holt Consulting for services beyond the scope of this project.

Bidding

Holt Consulting will assist the Airport with bidding services. The bidding services are based on a standard 30 day bid period.

Schedule

Estimated Notice-To-Proceed Date: April, 2017

The total duration for additional lighting design and bidding is 120 days.

**ATTACHMENT B
FEE BREAKDOWN
LANCASTER COUNTY AIRPORT COMMISSION
LANCASTER COUNTY AIRPORT
AIRCRAFT APRON EXPANSION
DESIGN AND PERMITTING
AMENDMENT #1 TO TASK ORDER NO. 5**

TASK	COST
Basic Services	
Apron Lighting Design	\$11,987.73
Special Services	
Bidding Phase Services	\$11,604.27
Total Amendment #1 to Task Order No. 5 Amount	<u>\$23,592.00</u>

Note: A total of \$8,576.00 of Amendment #1 to Task Order No. 5 is for Certified DBE subconsultants, resulting in a 36.35% DBE percentage.

Lancaster County Airport

FAA One-On-One Meeting

February 10, 2017

Summary

Participants: John Marshall, Doug Barnes, Paul Moses, Paul Werts, Ken Holt, and Kevin Morris

2017 Project Description: Construction of new apron; 11,150 SY asphalt pavement.

Estimated Cost: \$1,752,136

Funding Breakdown: FAA - NPE \$305,911, FAA/SCAC - State Apportionment \$1,271,011, SCAC \$87,607, Local \$87,607

Schedule: Bid May/June 2017, Submit FAA Application June/July 2017, Contractor Notice-To-Proceed July/August 2017

Issue: Apron lighting; Jon Walker's analysis relative to Part 77 surfaces associated with existing Runway 6 approach (200' & $\frac{3}{4}$ mile requires 1,000' primary surface) & design fee

Discussion: John Marshall indicated that the current NPE balance is \$305,911. Paul Werts indicated that SCAC would consider committing \$750,000 of State Apportionment funding and when combining this with the current NPE balance, there would be \$1,055,911 available for construction. Therefore, the plan is for the base bid to be for the new portion of the apron (6,205 SY) adjacent to the existing apron and the remaining portion of the new apron (4,945 SY) to be an additive bid. Ken Holt indicated that Jon Walker performed an analysis for proposed mast lighting for the apron with estimated heights of approximately 40 feet and that although the lights would penetrate Part 77 surfaces, this would not impact the existing approaches. Therefore, the plan is to submit a contract amendment to Lancaster County for including this lighting in the bid documents. Ken indicated that the design fee to accomplish this would not exceed 15% of the existing design grant amount and that the County would seek reimbursement of this additional amount; 90% from FAA and 5% from SCAC. John Marshall pointed out that any addition to the design grant would lower the available funding for the construction grant by that same amount. Paul Werts mentioned that due to the significant amount of roadway projects being let by SCDOT, major asphalt contractors have committed all of their existing resources, workers and equipment, to these projects and is concerned that the bids will be high or non-existent. Ken Holt indicated that the current design is for asphalt, as the recently completed taxiway rehabilitation project included a concrete alternate bid, no bids were received despite an effort to generate interest among concrete contractors and their affiliates. He indicated that a concrete alternate design could be performed but would require an additional design fee. Paul Werts suggested bidding the project as asphalt and consider taking another course depending upon the outcome of the bidding process. Ken Holt indicated that once the design identifies the proper location and height of the apron lights, a 7460 form and Construction Safety Phasing Plan will be uploaded to the FAA OE/AAA website.

Action Items: Holt Consulting Company will prepare a contract amendment for bidding and the lighting design and submit to Lancaster County with the understanding that the costs of such will be offset 95% via a FAA and SCAC grant amendment.

Agenda Item Summary

Ordinance # / Resolution#:

Contact Person / Sponsor: Jeff Catoe/Steve Willis

Department: Public Services Division/Fleet Operations Department

Date Requested to be on Agenda: 4/11

Committee: I&R

Issue for Consideration:

Update on Fleet Operations facility concept proposals

Points to Consider:

The Fleet Operations concept sketches are attached along with preliminary cost estimates.

Funding and Liability Factors:

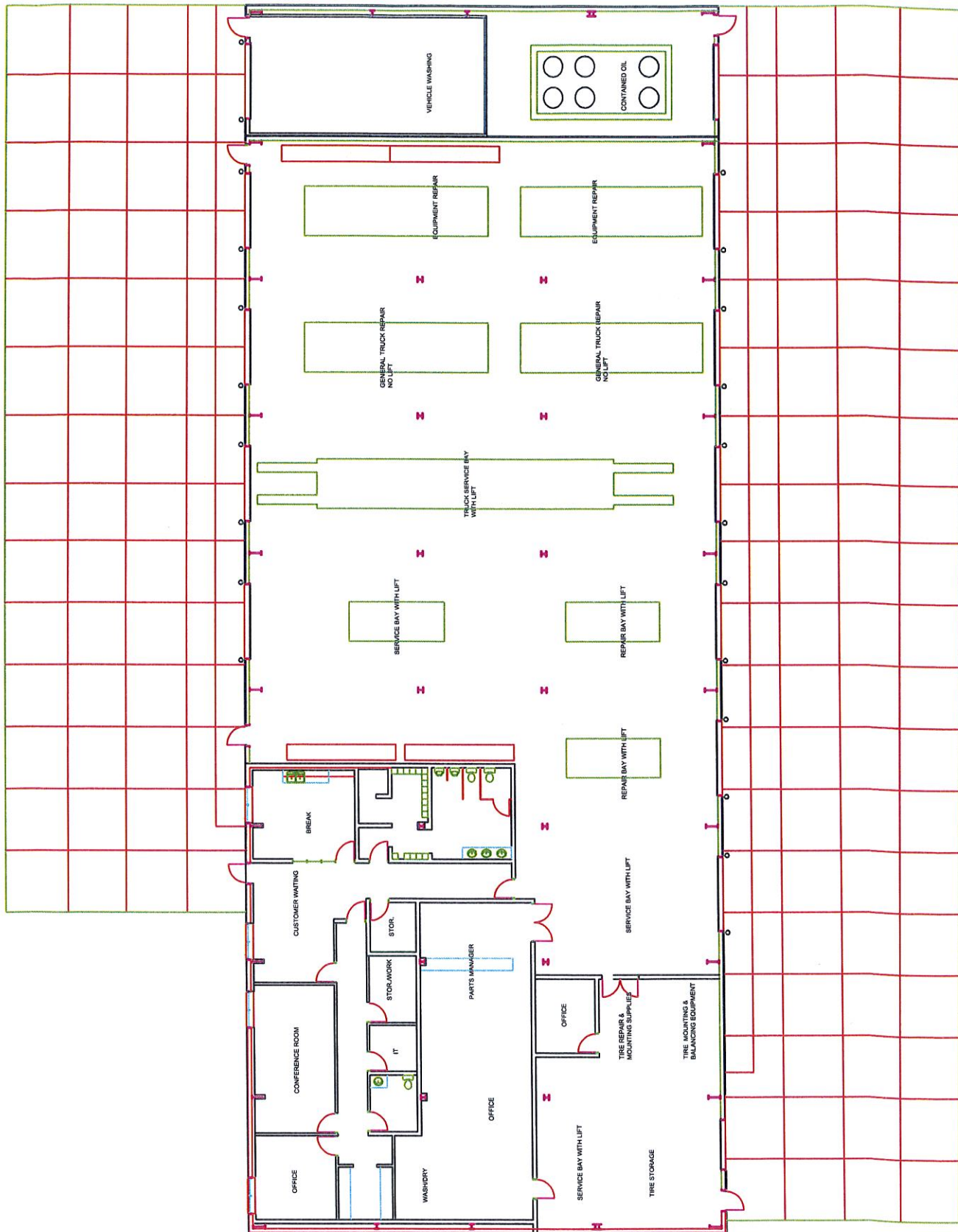
Funding would be from bond or fund balance.

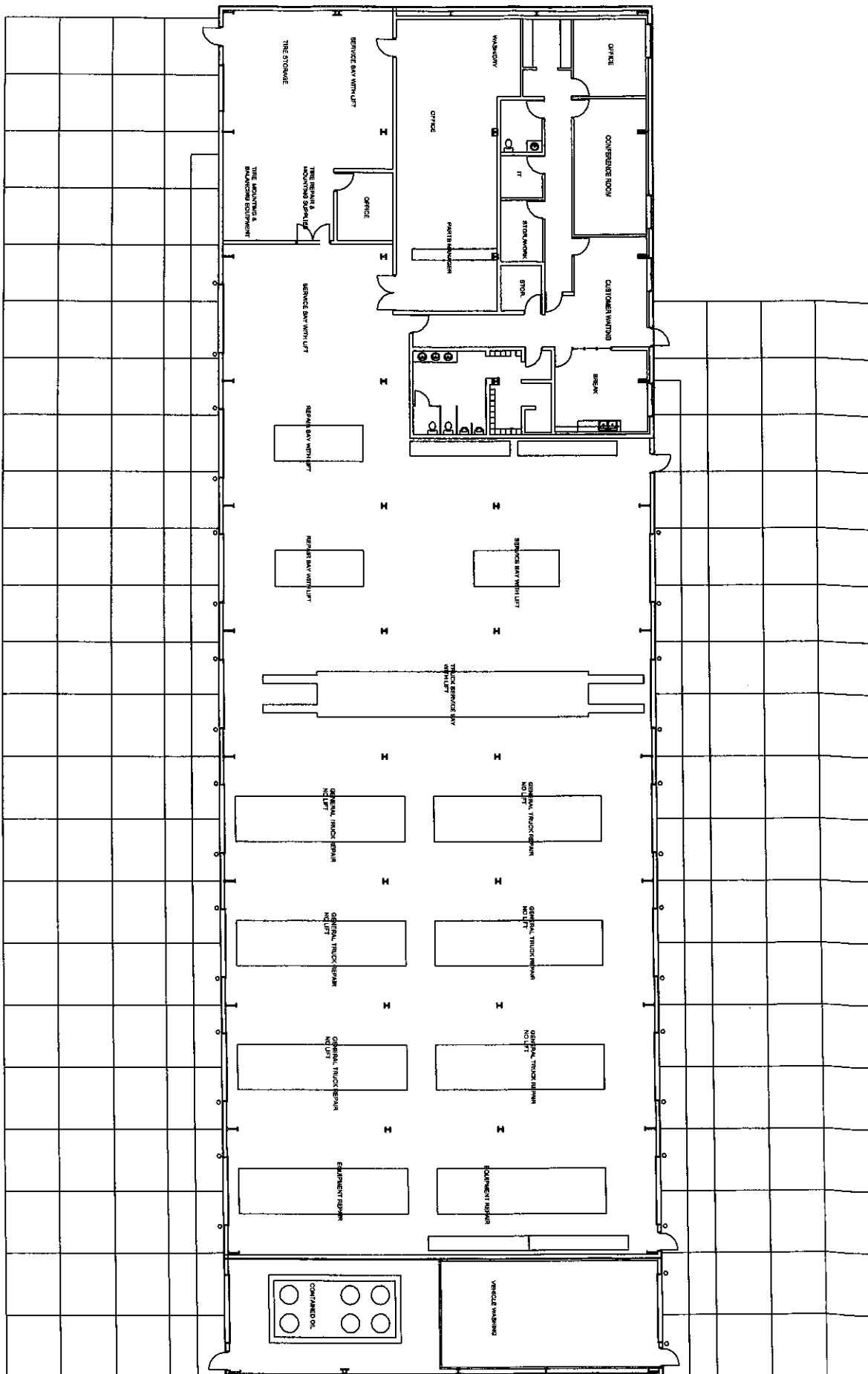
Council Options:

Information only

Recommendation:

Move forward with discussions with I&R, then to full Council at later date







Comparison Report LC Vehicle Maint Facility

Item	Description	Takeoff City		Total	
		LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03292017	LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03292017
1000.000 GENERAL REQUIREMENTS					
80	Final Cleanup (Sub)	16,085.00 SF	21,631.00 SF	23,704.00 SF	1,671
100	Dumpster	18.00 ea	18.00 ea	18.00 ea	6,552
10	Engineer and/or Architect Fee	1.00 ls	1.00 ls	1.00 ls	156,000
10	Superintendent	39.00 wk	39.00 wk	39.00 wk	64,896
20	Asst. Superintendent	16.00 wk	16.00 wk	16.00 wk	3,120
40	Project Manager	16.00 wk	16.00 wk	16.00 wk	24,960
5	Chapter 17 Special Inspections	1.00 LS	1.00 LS	1.00 LS	15,600
10	Temp Electricity	9.00 mo	9.00 mo	9.00 mo	2,808
40	Temp Phone	9.00 mo	9.00 mo	9.00 mo	1,404
60	Temp Water	9.00 mo	9.00 mo	9.00 mo	4,464
80	Temp Toilet	9.00 mo	9.00 mo	9.00 mo	2,434
10	Tool Trailers	9.00 mo	9.00 mo	9.00 mo	1,217
10	Cups & Ice	9.00 mo	9.00 mo	9.00 mo	328
30	Job Photographs	9.00 mo	9.00 mo	9.00 mo	1,170
40	Blue Prints	6.00 SET	6.00 SET	6.00 SET	1,872
1	Office Trailer	9.00 mo	9.00 mo	9.00 mo	2,808
9	Procure Project Management	9.00 LS	9.00 LS	9.00 LS	2,808
10	Job Sign	1.00 ea	1.00 ea	1.00 ea	338
10	Tools & Equipment	9.00 mo	9.00 mo	9.00 mo	16,380
50	Oil & Gas	9.00 mo	9.00 mo	9.00 mo	1,872
30	First Aid Equip	9.00 mo	9.00 mo	9.00 mo	234
10	Field Office Power Charges	9.00 mo	9.00 mo	9.00 mo	1,217
20	Final HVAC	9.00 mo	3.00 mo	9.00 mo	7,800
6	Xerox machine	9.00 mo	9.00 mo	9.00 mo	1,872
2	Printing Cost	9.00 mo	9.00 mo	9.00 mo	2,808
20	Field Office Supplies	9.00 mo	9.00 mo	9.00 mo	1,872
1	Postage and Shipping	9.00 mo	9.00 mo	9.00 mo	2,340
80	Holding Tank	9.00 mo	9.00 mo	9.00 mo	749
80	Daily Cleanup	39.00 wk	39.00 wk	39.00 wk	12,979
20	Drug Testing	18.00 ea	18.00 ea	18.00 ea	936
10	Permit	1.00 ls	1.00 ls	1.00 ls	5,200
40	Mobile Phone - Supervision	9.00 mo	9.00 mo	9.00 mo	1,123
40	Mobile Phone - PM	4.00 mo	4.00 mo	4.00 mo	270
40	Field Phone/Computer Setup	1.00 ea	1.00 ea	1.00 ea	520
10	Set Undermobilize Field Operations	1.00 ea	1.00 ea	1.00 ea	1,560
GENERAL REQUIREMENTS		350,785	353,364	350,980	350,980
2000.000 SITEWORK					
30	Five Grade Building Pad	3,010.00 SY	3,010.00 SY	3,010.00 SY	2,817
30	Five Grade Walks, Drive & Apron Substone	2,194.00 SY	2,194.00 SY	2,194.00 SY	9,127
140	Site Water Piping	200.00 LF	200.00 LF	200.00 LF	10,400
90	Domestic and Fire Services	1.00 ls	1.00 ls	1.00 ls	5,720
90	Backflow Preventer in Hot Box	1.00 ls	1.00 ls	1.00 ls	17,680
90	Temporary Shoring & Value	1.00 ls	1.00 ls	1.00 ls	4,680
100	FDC & Piping	1.00 LS	1.00 LS	1.00 LS	3,120
100	Site Hydrant	200.00 lf	200.00 lf	200.00 lf	4,326
90	Sanitary Sewer Piping	1.00 ls	1.00 ls	1.00 ls	12,668
90	Sanitary Sewer Service	1.00 ls	1.00 ls	1.00 ls	1,560
30	Heavy Duty Concrete Paving	18,000.00 SF	20,640.00 SF	23,280.00 SF	140,400
30	Pavement Markings & Signage Allowance	1.00 ls	1.00 ls	1.00 ls	4,098
130	Concrete Sidewalks	1,750.00 SF	1,750.00 SF	1,750.00 SF	6,370
10	Five Grade	16,065.00 sf	17,675.00 sf	18,938.00 sf	63,035
20	Gravel At Slab	201.50 cy	327.31 cy	350.70 cy	1,263
20	Five Grade Walks & Drives	6,000.00 sf	3,956.00 sf	4,766.00 sf	5,200



Comparison Report LC Vehicle Maint Facility

Item	Description	Takeoff Qty			Total			
		LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03292017	LC Vehicle Maint Facility 03312017	LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03292017	LC Vehicle Maint Facility 03312017	
3000,000								
CONCRETE								
SITEWORK								
c 30	Wall Conc 3000 psi	45.60 cy	45.60 cy	45.60 cy	3,116	3,115	3,116	
	Wall Forms - Patent System	2,400.00 sf	2,400.00 sf	2,400.00 sf	984	984	984	
	ShipOil Forms-Mails	2,400.00 sf	2,400.00 sf	2,400.00 sf	18,918	18,918	18,918	
	Pub. Cut. & Patch	2,400.00 sf	2,400.00 sf	2,400.00 sf	12	12	12	
	Keyway Not @ Footing	150.00 lf	150.00 lf	150.00 lf	29	29	29	
	Pour Strip (1"x1")	150.00 lf	150.00 lf	150.00 lf	18	18	18	
	Straple 12 in.	456.00 ea	456.00 ea	456.00 ea	237	237	237	
	Waterslop - Rubber	150.00 lf	150.00 lf	150.00 lf	125	125	125	
	S.O.G. Conc 4000 psi	297.50 cy	327.31 cy	297.50 cy	27,194	29,919	29,090	
	Witness 6x6 10/10	17,671.50 sf	17,675.00 sf	18,938.00 sf	924	925	1,080	
	Screeds	16,085.00 sf	17,675.00 sf	18,938.00 sf	210	231	285	
	CS 309 Curfing Compound	16,085.00 sf	17,675.00 sf	18,938.00 sf	210	231	285	
c 40	Trowel Finish	16,085.00 sf	17,675.00 sf	18,938.00 sf	105	115	132	
	EdgeForm (Any Depth, LF)	655.50 lf	655.50 lf	655.50 lf	334	334	357	
	ShipOil Forms-EdgeForms	655.50 lf	655.50 lf	655.50 lf	6,420	6,420	6,868	
	Walk Conc 3000 psi	48.15 cy	48.84 cy	58.84 cy	18,364	6,061	7,302	
	WWW Sheets 6x6 10/10	6,800.00 sf	3,956.00 sf	4,766.00 sf	504	302	364	
	Screeds	6,800.00 sf	3,956.00 sf	4,768.00 sf	126	76	91	
	CS 309 Curfing Compound	6,800.00 sf	3,956.00 sf	4,768.00 sf	126	76	91	
	Broom/Float Finish	6,800.00 sf	3,956.00 sf	4,768.00 sf	63	38	46	
	EdgeForm 2x6 Random Length	460.00 lf	460.00 lf	460.00 lf	211	211	211	
	ShipOil Forms-EdgeForms	460.00 lf	460.00 lf	460.00 lf	6,586	6,586	6,586	
	CONCRETE							
	5000,000							
METALS								
10	Steel Stairs	1.00 ls	2.00 ls	2.00 ls	15,600	31,200	31,200	
90	Stair Railing	100.00 lf	100.00 lf	100.00 lf	5,200	5,200	5,200	
10	Bollards	28.00 ea	32.00 ea	32.00 ea	10,192	11,648	11,648	
5	Structural Framing	6,000.00 sf	3,956.00 sf	4,766.00 sf	224,640	148,113	178,439	
METALS								
6000,000								
WOOD & PLASTICS								
10	Wood Blocking	60.00 bf	60.00 bf	60.00 bf	171	171	171	
10	Millwork	150.00 lf	150.00 lf	150.00 lf	58,500	58,500	58,500	
WOOD & PLASTICS								
7000,000								
THERMAL & MOISTURE PROT								
30	Moistop Vapor Barrier	16,886.25 sf	17,675.00 sf	19,595.00 sf	551	577	684	
80	Gutter & Downspouts	400.00 lf	440.00 lf	485.00 lf	4,992	5,491	6,053	
80	Caulk & Sealants	16,065.00 sf	17,675.00 sf	18,938.00 sf	2,506	2,757	2,954	
40	Insulation	38,000.00 sf	40,400.00 sf	40,820.00 sf	26,874	28,571	28,868	
THERMAL & MOISTURE PROT								
8000,000								
DOORS & WINDOWS								
40	Doors/Frames/Hardware Allowance	23.00 ea	23.00 ea	23.00 ea	31,086	31,086	31,086	
20	Aluminum Windows	1,440.00 sf	1,440.00 sf	1,440.00 sf	50,170	50,170	50,170	
20	Plexmax LS 10' Units	18.00 ea	20.00 ea	22.00 ea	26,208	29,120	32,032	
DOORS & WINDOWS								
9000,000								
FINISHES								
20	Drywall	9,000.00 sf	16,304.00 sf	13,587.00 sf	46,800	84,781	70,652	

292,485 318,411 350,144

84,834 74,960 76,764

255,632 199,161 226,487

58,671 58,671 58,671

34,922 37,396 38,559

107,474 110,386 113,298



Comparison Report
LC Vehicle Maint Facility

Item	Description	Takeoff Qty				Amount			
		LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03292017	LC Vehicle Maint Facility 03312017	LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03292017	LC Vehicle Maint Facility 03312017		
9000.000	FINISHES								
2	Perception 2x2 ACT	2,750.00 SF	2,750.00 SF	3,661.00 SF	7,150	7,150	9,519		
80	Resilient Flooring	2,750.00 sf	2,750.00 sf	2,750.00 sf	5,720	5,720	5,720		
90	Carpet	175.00 sy	175.00 sy	175.00 sy	5,005	5,005	5,005		
100	Seal Concrete Floor	16,085.00 sf	17,675.00 sf	18,938.00 sf	10,025	11,029	11,817		
100	Painting	4,650.00 sf	4,650.00 sf	4,650.00 sf	12,090	12,090	12,090		
100	Painting Metal	1.00 ls	1.00 ls	1.00 ls	5,200	7,800	7,800		
	FINISHES				97,990	133,576	122,603		
10000.000	SPECIALTIES								
20	Toilet Accessories Labor/Water	3.00 set	3.00 set	3.00 set	1,404	1,404	1,404		
	SPECIALTIES				1,404	1,404	1,404		
11000.000	EQUIPMENT								
60	Ceiling Overhead Door	13.00 ea	15.00 ea	17.00 ea	26,364	30,420	34,476		
70	Equipment Ltr - Light Duty	2.00 ea	2.00 ea	2.00 ea	20,800	20,800	20,800		
90	Relocate Existing Ltr	2.00 ea	2.00 ea	2.00 ea	20,800	20,800	20,800		
100	Overhead Crane	1.00 ls	1.00 ls	1.00 ls	141,440	141,440	141,440		
	EQUIPMENT				209,404	213,460	217,516		
12000.000	FURNISHINGS								
10	Window Covering - In Office	9.00 ea	9.00 ea	9.00 ea	1,638	1,638	1,638		
	FURNISHINGS				1,638	1,638	1,638		
13000.000	SPECIAL CONSTRUCTION								
20	Metal Building Sub	16,085.00 sf	17,675.00 sf	18,938.00 sf	278,182	306,060	327,930		
	SPECIAL CONSTRUCTION				278,182	306,060	327,930		
14000.000	CONVEYING SYSTEMS								
50	Elevator Hydraulic		1.00 ea			130,000			
	CONVEYING SYSTEMS					130,000			
15000.000	MECHANICAL								
10	Pumbing (Lump Sum)	1.00 ls	1.00 ls	1.00 ls	31,200	31,200	31,200		
11	HVAC (Sqt)	16,085.00 sf	17,675.00 sf	18,938.00 sf	91,892	101,101	108,325		
310	Fire Protection Piping	16,085.00 sf	17,675.00 sf	18,938.00 sf	22,555	24,816	26,589		
10	Fire Pump Allowance	1.00 ls	1.00 ls	1.00 ls	46,800	46,800	46,800		
	MECHANICAL				192,447	203,917	212,914		
16000.000	ELECTRICAL								
11	Electrical (Sqt)	16,085.00 sf	17,675.00 sf	18,938.00 sf	167,076	183,820	196,955		
210	Generators	1.00 ea	1.00 ea	1.00 ea	156,000	156,000	156,000		
	ELECTRICAL				323,076	339,820	352,955		
	Total				2,282,344	2,479,224	2,451,264		



Comparison Report
LC Vehicle Maint Facility

Item	Description	Total					
		Takeoff Qty			Amount		
	LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03392017	LC Vehicle Maint Facility 03312017	LC Vehicle Maint Facility 02222017	LC Vehicle Maint Facility 03392017	LC Vehicle Maint Facility 03312017	
Estimate Totals							
Labor				81,260	81,260	81,260	
Material				412,206	569,671	460,810	
Subcontract				1,798,877	1,828,292	1,908,194	
Equipment				0	0	0	
Other				0	0	0	
				2,282,343	2,479,223	2,451,264	
Total				2,282,343	2,479,223	2,451,264	