

COUNCIL AGENDA: AUGUST 6, 2013

SUBJECT: AUTHORIZATION TO ADVERTISE FOR BIDS – JAYE STREET AND MONTGOMERY AVENUE ROUNDABOUT PROJECT

SOURCE: Public Works Department - Engineering Division

COMMENT: Plans and Project Manual have been prepared for the Jaye Street and Montgomery Avenue Roundabout Project and are available for Council's review in the La Barca Room. The project consists of the construction of a roundabout at the intersection of Jaye Street and Montgomery Avenue south of State Route 190 and appurtenant items of work outside of the intersection necessary to properly align Jaye Street and Montgomery Avenue to the roundabout location.

The Engineer's Estimate of Probable Cost for construction is \$1,212,064. An additional \$121,206 (10%) is requested for the construction contingency. An additional \$100,000 (8.25%) is requested for construction management, quality control and inspection services for a total estimated construction cost of \$1,433,270.

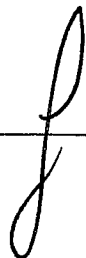
Congestion Mitigation and Air Quality (CMAQ) funds will finance 88.53% of project eligible components and Measure R Funds/Local Transportation Funds will finance the 11.47% "local" match. The storm drain system associated with the roundabout is funded in the 13/14 Fiscal Year budget. Further research finds that the storm drain system qualifies as a participating item of work and will be funded by the CMAQ grant. Staff recommends that funds from the Water Replacement fund and Sewer Revolving fund be appropriated to finance the non-participating sewer and water portions of the project, which equates to \$29,863. The \$29,863 includes a 10% construction contingency and a proportional share of the overall construction management, quality control and inspection services.

The City has obtained Caltrans and FHWA authorization to bid the project by means of an E-76 approval process. Funding allocations are defined as part of this process and initially several components of the project were defined as non-participating. Recently, Caltrans has issued a bulletin that now designates a majority of these components to be federally funded. City Staff must process an Amendment Modification (AMOD) in order to allocate federal funds for those items of work that are now considered participating. The following table illustrates current funding allocations:

Dir BBZ Appropriated/Funded

MB

CM



Item No. 2

Federally Approved Financing:

Total Cost of Work	Federal Participating Cost	Federal Fund Type	Local Match Funds	Other Funds Non-Particip.
*\$1,259,116.65	\$1,161,211.15	\$1,028,020.23	\$133,190.92	\$97,905.50
**\$100,000.00	\$91,500.00	\$81,004.95	\$10,495.05	\$8,500.00
***\$1,359,116.65	\$1,252,711.15	\$1,109,025.18	\$143,685.97	\$106,405.50

* Construction Funds

** Construction Engineering Funds

*** Total

City Proposed AMOD Financing:

Total Cost of Work	Federal Participating Cost	Federal Fund Type	Local Match Funds	Other Funds Non-Particip.
*\$1,333,275.35	\$1,305,412.35	\$1,155,681.55	\$149,730.80	\$27,863.00
**\$100,000.00	\$98,000.00	\$86,759.40	\$11,240.60	\$2,000.00
***\$1,433,275.35	\$1,403,412.35	\$1,242,440.95	\$160,971.40	\$29,863.00

* Construction Funds

** Construction Engineering Funds

*** Total

Caltrans Local Assistance is currently reviewing the City-submitted AMOD request. The AMOD request is seeking an additional \$133,415.77 in federal CMAQ funds and a reduction of \$59,257.07 to the City's match, which reflects an adjustment of the federally participating versus the local non-participating items of work. The AMOD is an estimate only and will be adjusted to reflect the lowest responsible bid.

Staff anticipates the approval of the AMOD; however, should it not be approved, unallocated local transportation funds will finance the additional monies being requested.

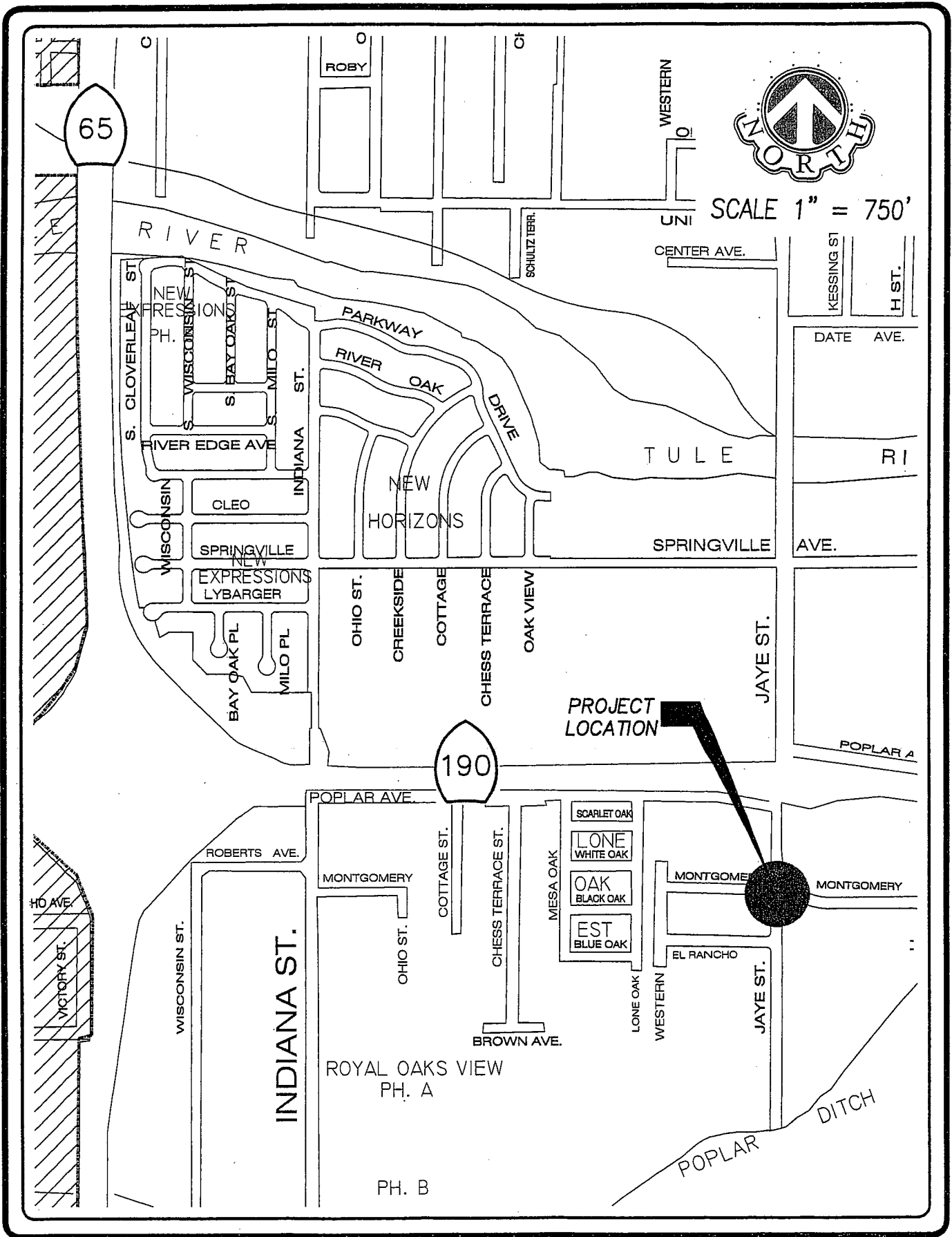
RECOMMENDATION: That City Council:

1. Authorize staff to de-obligate \$71,000 for storm drain Improvements currently allocated in the FY 13/14 Annual Budget;
2. Authorize staff to appropriate \$9,192 from the Water Replacement Fund and \$20,671 from Sewer Revolving Fund for non-participating items of work;
3. Authorize the appropriation of \$133,415.77 in unallocated local transportation funds if the AMOD is not

4. Approve Staff's recommended Plans and Project Manual; and
5. Authorize Staff to advertise for bids on the project.

ATTACHMENTS: Locator Map
Engineer's Estimate

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PROJECT LOCATION MAP

**ENGINEERS OPINION OF PROBABLE COST
JAYE STREET/MONTGOMERY AVENUE
ROUNDAABOUT IMPROVEMENT PROJECT**

Item	Description	Qty	Unit	Unit Price	Total
DEMOLITION IMPROVEMENTS					
1	Remove Existing Curb & Gutter	1,047	Ln. Ft.	\$ 7.00	\$ 7,329.00
2	Remove Existing Curb	1,359	Ln. Ft.	\$ 6.00	\$ 8,154.00
3	Remove Existing Concrete (Sidewalk and Driveways)	475	Sq. Ft.	\$ 3.00	\$ 1,425.00
4	Sawcut Existing Concrete	178	Ln. Ft.	\$ 3.00	\$ 534.00
5	Remove & Salvage Existing River Rock Median Paving	3,449	Sq. Ft.	\$ 3.00	\$ 10,347.00
6	Remove Existing Tree	18	Ea.	\$ 1,200.00	\$ 21,600.00
7	Remove Existing Shrubs	3	Ea.	\$ 250.00	\$ 750.00
8	Remove and Store Existing Boulders	14	Ea.	\$ 100.00	\$ 1,400.00
9	Remove Existing AC Surfacing	15,544	Sq. Ft.	\$ 1.00	\$ 15,544.00
10	Remove Existing AC Surfacing & Base	5,203	Sq. Ft.	\$ 1.50	\$ 7,804.50
11	Sawcut Existing AC	1,382	Ln. Ft.	\$ 3.00	\$ 4,146.00
12	Remove Existing Wall	405	Sq. Ft.	\$ 10.00	\$ 4,050.00
13	Remove Bollards	1	Ea.	\$ 150.00	\$ 150.00
14	Remove Existing Sign	19	Ea.	\$ 100.00	\$ 1,900.00
15	Abandon Existing Test Wells	8	Ea.	\$ 250.00	\$ 2,000.00
SUBTOTAL DEMOLITION IMPROVEMENTS					\$ 87,133.50
SURFACE IMPROVEMENTS					
1	Traffic Handling & Control	1	L.S.	\$ 30,000.00	\$ 30,000.00
2	Mobilization/Demobilization	1	L.S.	\$ 100,000.00	\$ 100,000.00
3	Temporary Lighting System	1	L.S.	\$ 30,000.00	\$ 30,000.00
4	Clearing & Grubbing	1	L.S.	\$ 5,000.00	\$ 5,000.00
5	Roadway Excavation	3,662	Cu.Yd.	\$ 15.00	\$ 54,930.00
6	Barrier Type Curb & Gutter	2,906	Ln. Ft.	\$ 16.00	\$ 46,496.00
7	Rolled Type to Barrier Type Curb & Gutter Transition	20	Ln. Ft.	\$ 18.00	\$ 360.00
8	Monolithic Curb	176	Ln. Ft.	\$ 30.00	\$ 5,280.00
9	Barrier Type Curb	2,650	Ln. Ft.	\$ 16.00	\$ 42,400.00
10	Mountable Curb	284	Ln. Ft.	\$ 22.00	\$ 6,248.00
11	Concrete Sidewalk - 4" Thick	3,714	Sq. Ft.	\$ 4.00	\$ 14,856.00
12	Miscellaneous Concrete Flatwork - 6" Thick	7,461	Sq. Ft.	\$ 6.00	\$ 44,766.00
13	Concrete Curb Ramps	745	Sq. Ft.	\$ 8.00	\$ 5,960.00
14	Detectable Warning Surface	417	Sq. Ft.	\$ 30.00	\$ 12,510.00
15	Stamped Colored Concrete-4" Thick	3,547	Sq. Ft.	\$ 7.00	\$ 24,829.00
16	Stamped Colored Concrete-6" Thick	1,861	Sq. Ft.	\$ 10.00	\$ 18,610.00
17	Relocate Exist Mailbox	8	Ea.	\$ 150.00	\$ 1,200.00
18	Concrete Driveway Approach	678	Sq. Ft.	\$ 6.00	\$ 4,068.00
19	Adjust SSMH to Finish Grade	1	Ea.	\$ 800.00	\$ 800.00
20	Type A Asphalt Concrete - Roadway	3,300	Tons	\$ 85.00	\$ 280,500.00
21	CLASS 2 AB - Roadway	2,075	C.Y.	\$ 30.00	\$ 62,250.00
22	Temporary Pavement (4" Full Depth Type A AC)	82	Tons	\$ 85.00	\$ 6,970.00
23	Relocate Exist Fire Hydrant	1	Ea.	\$ 1,500.00	\$ 1,500.00
24	Adjust Exist Water Valve Frame and Cover to Finish Grade	13	Ea.	\$ 400.00	\$ 5,200.00
25	0.1" Mill & AC Overlay	4,467	Sq. Ft.	\$ 2.00	\$ 8,934.00
26	Restore Existing Monument with Type M-1	2	Ea.	\$ 1,000.00	\$ 2,000.00
27	Restore Exist Monument with Type M-2C	5	Ea.	\$ 750.00	\$ 3,750.00
28	Restore Exist Monument with Type M-2B	1	Ea.	\$ 500.00	\$ 500.00
29	Set Type M-2C Monument	6	Ea.	\$ 750.00	\$ 4,500.00
30	Set Type M-1 Monument	11	Ea.	\$ 1,000.00	\$ 11,000.00
31	Install Bus Shelter	2	Ea.	\$ 2,500.00	\$ 5,000.00
SUBTOTAL SURFACE IMPROVEMENTS					\$ 840,417.00

**ENGINEERS OPINION OF PROBABLE COST
JAYE STREET/MONTGOMERY AVENUE
ROUNDAABOUT IMPROVEMENT PROJECT**

Item	Description	Qty	Unit	Unit Price	Total
DRAINAGE IMPROVEMENTS					
1	15" RCP Storm Drain	275	Ln. Ft.	\$ 50.00	\$ 13,750.00
2	18" RCP Storm Drain	32	Ln. Ft.	\$ 54.00	\$ 1,728.00
3	24" RCP Storm Drain	5	Ln. Ft.	\$ 60.00	\$ 300.00
4	48" Storm Drain Manhole (City Std S-1)	6	Ea.	\$ 3,000.00	\$ 18,000.00
5	Catch Basin (City Std D-2)	6	Ea.	\$ 2,500.00	\$ 15,000.00
6	Remove Existing 18" Storm Drain	54	Ln. Ft.	\$ 50.00	\$ 2,700.00
7	Remove Existing Catch Basin	3	Ea.	\$ 1,000.00	\$ 3,000.00
8	Adjust Existing SDMH to Finish Grade	1	Ea.	\$ 800.00	\$ 800.00
9	Tie Proposed Storm Drain into Exist SDMH	1	Ea.	\$ 750.00	\$ 750.00
10	Catch Basin (City Std D-4.1)	1	Ea.	\$ 1,700.00	\$ 1,700.00
11	3" PVC Storm Drain	63	Ln. Ft.	\$ 5.00	\$ 315.00
SUBTOTAL DRAINAGE IMPROVEMENTS					\$ 58,043.00
WATER IMPROVEMENTS					
1	3" PVC Service Main	100	Ln. Ft.	\$ 8.00	\$ 800.00
2	6" PVC Fire Service	134	Ln. Ft.	\$ 20.00	\$ 2,680.00
3	2" Irrigation Service	1	Ea.	\$ 700.00	\$ 700.00
4	2 1/2" Domestic Service	1	Ea.	\$ 700.00	\$ 700.00
SUBTOTAL WATER IMPROVEMENTS					\$ 4,880.00
SANITARY SEWER IMPROVEMENTS					
1	4" PVC Sanitary Sewer	175	Ln. Ft.	\$ 50.00	\$ 8,750.00
2	6" PVC Sanitary Sewer	100	Ln. Ft.	\$ 60.00	\$ 6,000.00
3	48" Sanitary Sewer Manhole (City STD S-1)	1	Ea.	\$ 3,000.00	\$ 3,000.00
SUBTOTAL SEWER IMPROVEMENTS					\$ 17,750.00
ELECTRICAL IMPROVEMENTS					
1	Concrete Handhole (10.5"x17"x12") - Per SCE Plan	13	Ea.	\$ 300.00	\$ 3,900.00
2	Concrete Handhole (13"x24"x24") - Per SCE Plan	1	Ea.	\$ 450.00	\$ 450.00
3	Concrete Handhole (17"x30"x24") - Per SCE Plan	1	Ea.	\$ 550.00	\$ 550.00
4	Remove & Salvage Exist Street Light (By Others)	4	Ea.	\$ -	\$ -
5	Install Dual Mast Arm Street Light (By Others)	6	Ea.	\$ -	\$ -
6	Install Single Mast Arm Street Light (By Others)	9	Ea.	\$ -	\$ -
7	Remove Pull Box	7	Ea.	\$ 100.00	\$ 700.00
8	1 1/2" Electrical Conduit - Per SCE Plan	507	Ln. Ft.	\$ 10.00	\$ 5,070.00
9	2" Electrical Conduit - Per SCE Plan	2,441	Ln. Ft.	\$ 10.00	\$ 24,410.00
SUBTOTAL ELECTRICAL IMPROVEMENTS					\$ 35,080.00
STRIPING & SIGNAGE					
1	Detail 22	156	Ln. Ft.	\$ 0.52	\$ 81.00
2	Detail 27B	2,046	Ln. Ft.	\$ 0.26	\$ 532.00
3	Detail 29	401	Ln. Ft.	\$ 1.04	\$ 416.00
4	Detail 32	602	Ln. Ft.	\$ 1.04	\$ 625.00
5	Detail 38	99	Ln. Ft.	\$ 0.52	\$ 51.00
6	Detail 9	564	Ln. Ft.	\$ 0.31	\$ 174.00
7	Detail 24	566	Ln. Ft.	\$ 0.26	\$ 147.00
8	Detail 37B	122	Ln. Ft.	\$ 0.62	\$ 75.00
9	Detail 38A	676	Ln. Ft.	\$ 0.52	\$ 351.00
10	Detail 40	37	Ln. Ft.	\$ 0.40	\$ 14.00
11	Paint Pavement Marking (2 coat)	464	Sq. Ft.	\$ 3.50	\$ 1,624.00
12	Pavement Marker (Retroreflective)	147	Ea.	\$ 18.40	\$ 2,706.00
13	Roadside Sign - One Post	29	Ea.	\$ 350.00	\$ 10,150.00
14	Roadside Sign	14	Ea.	\$ 225.00	\$ 3,150.00
15	Object Markers	4	Ea.	\$ 175.00	\$ 700.00
SUBTOTAL STRIPING & SIGNAGE					\$ 20,796.00
EROSION CONTROL					
1	Prepare SWPPP	1	L.S.	\$ 4,000.00	\$ 4,000.00
2	SWPPP Implementation	1	L.S.	\$ 10,000.00	\$ 10,000.00
SUBTOTAL EROSION CONTROL					\$ 14,000.00

**ENGINEERS OPINION OF PROBABLE COST
JAYE STREET/MONTGOMERY AVENUE
ROUNDBOUT IMPROVEMENT PROJECT**

Item	Description	Qty	Unit	Unit Price	Total
LANDSCAPE & IRRIGATION					
1	Landscape & Irrigation Improvements	1	L.S.	\$ 112,541	\$ 112,541
2	3" PVC Mainline	113	Ln. Ft.	\$ 15.00	\$ 1,695.00
3	1-1/2" Water Meter	1	Ea.	\$ 3,500.00	\$ 3,500.00
4	1-1/2" Backflow Preventer	1	Ea.	\$ 2,800.00	\$ 2,800.00
5	Backflow Preventer Enclosure	1	Ea.	\$ 2,200.00	\$ 2,200.00
6	Backflow Preventer Blanket	1	Ea.	\$ 155.00	\$ 155.00
7	3" Gate Valve	1	Ea.	\$ 520.00	\$ 520.00
8	6" Galvanized Steel Sleeve	209	Ln. Ft.	\$ 27.00	\$ 5,643.00
9	6" SCH 40 PVC Sleeve	112	Ln. Ft.	\$ 20.00	\$ 2,240.00
10	2" SCH 40 PVC Electrical Sleeve	267	Ln. Ft.	\$ 10.00	\$ 2,670.00
SUBTOTAL LANDSCAPE AND IRRIGATION					\$ 133,964
CONSTRUCTION IMPROVEMENTS SUMMARY					
SUBTOTAL DEMOLITION IMPROVEMENTS					\$ 87,133.50
SUBTOTAL SURFACE IMPROVEMENTS					\$ 840,417.00
SUBTOTAL DRAINAGE IMPROVEMENTS					\$ 58,043.00
SUBTOTAL WATER IMPROVEMENTS					\$ 4,880.00
SUBTOTAL SEWER IMPROVEMENTS					\$ 17,750.00
SUBTOTAL ELECTRICAL IMPROVEMENTS					\$ 35,080.00
SUBTOTAL STRIPING & SIGNAGE					\$ 20,796.00
SUBTOTAL EROSION CONTROL					\$ 14,000.00
SUBTOTAL LANDSCAPE & IRRIGATION					\$ 133,964.07

SUB TOTAL CONSTRUCTION COST	\$ 1,212,064
CONTINGENCY 10%	\$ 121,206

TOTAL ESTIMATED CONSTRUCTION COST \$ 1,333,270

NOTES:

- Highlighted bid items indicate new items since prior approved plans.
- 1 The pavement section used in this opinion of cost assumes 0.50' AC / 0.70'AB.
- 2 This opinion of cost is based upon information available at this time and this office assumes no liability for changes on quantities or prices due to unforeseen conditions or changes required by governing agencies.
- 3 This opinion of cost does not include any engineering design, construction administration, soils engineering, compaction tests or construction staking.
- 4 This opinion of cost does not include any land/easement acquisition.
- 5 This opinion of cost does not include any cost for the set-up or improvements for an assessment district.
- 6 All cut material will be suitable for engineered fills.
- 7 Costs for relocation of existing overhead and underground utilities is assumed to be paid by the City.
- 8 Cost for drainage facilities do not include any retention/detention facilities or off-site facilities.
- 9 Asphalt Concrete Tonnage is calculated utilizing a unit weight of 165 lbs/ft³, per City's request.

Michael J. Winton

May 28, 2013

Prepared By:
Michael J. Winton, Omni-Means Ltd.

Date

Michael K. Reed

6/20/2013

Reviewed By:
Michael K. Reed, City Engineer

Date

Baldomero S. Rodriguez

6/29/13

Reviewed By:
Baldomero S. Rodriguez, Public Works Director

Date

John Lollis

07/31/13

Reviewed By:
John Lollis, City Manager

Date