



CITY of NOVI CITY COUNCIL

Agenda Item 3
April 22, 2014

SUBJECT: Approval to award an amendment to the engineering services agreement with Orchard, Hiltz & McCliment for construction engineering services for the Metro Connector Pathway project in the amount of \$126,885.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *BTC*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 126,885.19
AMOUNT BUDGETED	\$ 135,667.00
LINE ITEM NUMBER	204-204.00-974.434

BACKGROUND INFORMATION:

The *City of Novi Non-Motorized Master Plan 2011* identifies the connection between the existing I-275 pathway and the M-5 pathway as a high priority project. The Metro Connector Trail will connect the northern terminus of the 40 mile long I-275 trail to the southern terminus of the M-5 trail at 13 Mile Road via Meadowbrook Road and 13 Mile Road. The first phase of the Metro Connector includes a 10-foot wide pathway along the east side of Meadowbrook Road between the south side of I-96 and the north side of 12 Mile Road. There are existing 8-foot wide pathways along the west side of Meadowbrook Road between 12 Mile Road and 13 Mile Road and along the north and south side of 13 Mile Road that would complete the connection (see attached map). A future second phase could widen these existing pathways along Meadowbrook Road and 13 Mile Road. An engineering agreement with consultant Orchard, Hiltz & McCliment (OHM) was awarded on July 2, 2012.

In January 2013, the City of Novi was awarded a Federal Transportation Alternative Program (TAP) grant for the construction of the Metro Connector Phase 1 pathway along the east side of Meadowbrook Road between I-96 and 12 Mile Road. This pathway would not only provide an important regional connection, but also the first non-motorized crossing of I-96 in the City of Novi. For the past 18 months, Engineering staff along with engineering consultant OHM have been working with the Michigan Department of Transportation (MDOT) and the Road Commission for Oakland County (RCOC) to finalize the project design and acquire all necessary permits. MDOT has jurisdiction for the Meadowbrook Bridge over I-96 and for work in the limited access right-of-way of I-96; and also has review authority for the project design under Federal grant requirements. RCOC has jurisdiction over the work in 12 Mile Road including the traffic signal. Concurrent with the design, in-house engineering staff acquired all 10 temporary and 10 permanent easements to allow the project to proceed.

The coordination between the City, MDOT and RCOC resulted in a final design that provides a 10-foot wide pathway from the terminus of the existing I-275 pathway on the south side of I-96 at Meadowbrook Road, along the east side of Meadowbrook Road to

the north side of 12 Mile Road, except for the existing bridge over I-96. One challenge for this project was to maximize the pathway width on top of the Meadowbrook Road bridge deck without causing an impact to vehicle safety on the bridge. An 8-foot pathway will be provided on the east side of the bridge with a barrier between motorized and non-motorized traffic, which will result in a minor 2-foot lane shift on top of the bridge. All permits have now been issued for the project and the project had its bid opening on April 4, 2014.

Since the project is receiving Federal grant funds, MDOT is responsible for administering the project on the City's behalf. MDOT will award the construction contract to a contractor and administer the contract. A cost agreement with MDOT was approved on March 24, 2014 and was based on the estimated construction costs for the project. Based on the contractor bids opened at MDOT, the allocation of costs per the agreement and based on actual bids is as follows:

	Per Agreement	Per Contractor's Bid
City Share of Construction Costs	\$260,342	\$213,161
Federal Grant Funds Provided to MDOT	\$1,028,458	\$852,646
Construction Total	\$1,288,800	\$1,065,807

The costs for design and construction engineering services are not grant eligible and therefore the construction phase engineering fees are to be paid directly by the City. The construction engineering fees are being calculated based on the bid price of the low bidder and is determined using two components: 1) the contract administration fee, which is determined using the fee percentage in Exhibit B of the Agreement For Professional Engineering Services for Public Projects, and 2) the construction inspection fee determined using a cost per inspection day from Exhibit B of the consultant's agreement that is then multiplied by the estimated number of inspection days. Estimated inspection days are used for this project because (as a Federally funded project) the project is administered by MDOT which does not allow the use of crew days (i.e., the contractor provides the number of working days expected). The construction phase fees for this project include a contract administration fee of \$59,685.19 (5.6% of the \$1,065,806.98 construction bid) and an inspection fee of \$67,200 (\$640 per inspection day, multiplied by an estimated 105 days to complete the work) for a total fee of \$126,885.19.

It is anticipated that MDOT will award the project to Warren Contractors & Development, Inc. (an MDOT pre-qualified contractor) in May 2014 with substantial completion of the project in fall 2014.

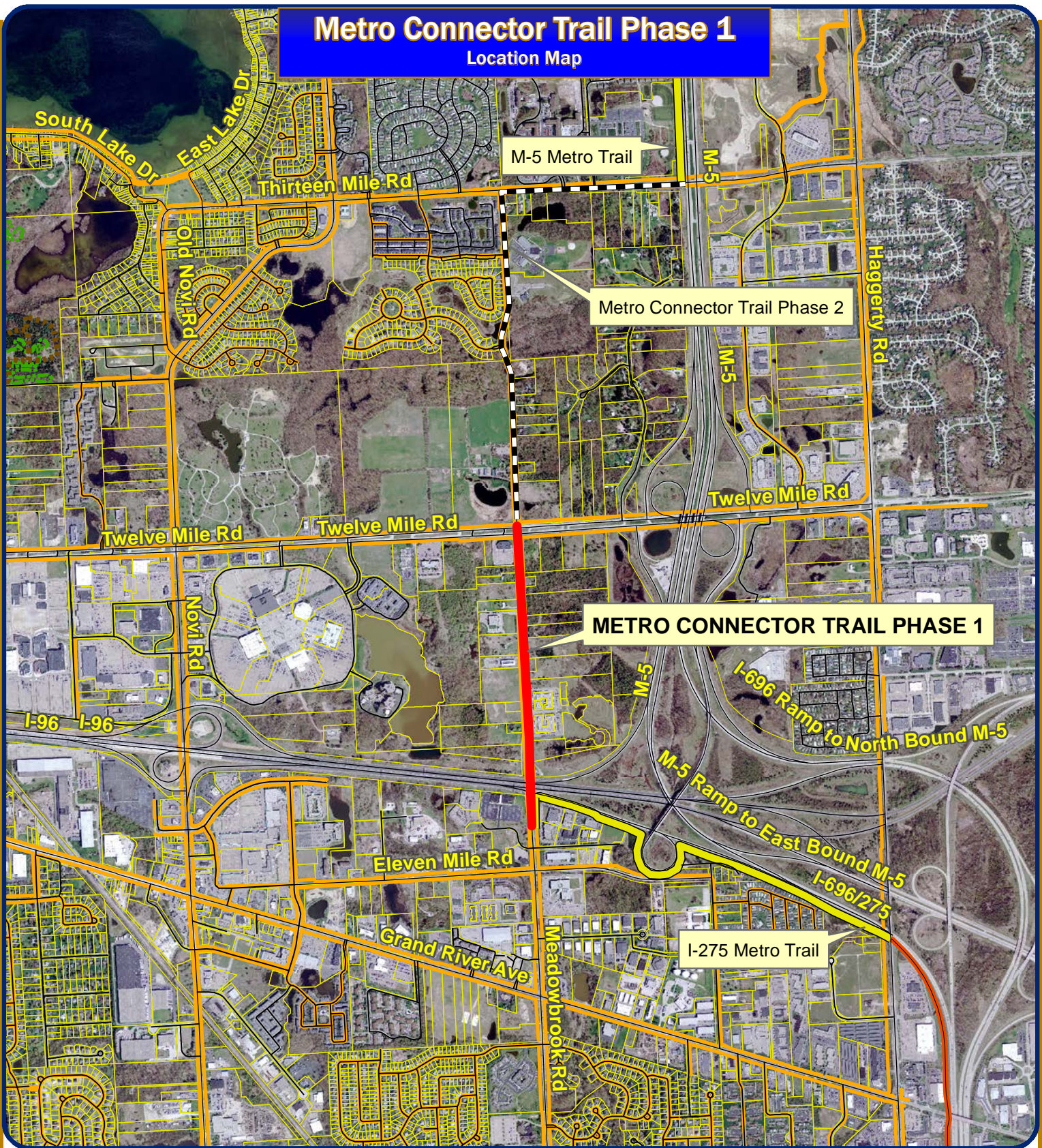
RECOMMENDED ACTION: Approval to award an amendment to the engineering services agreement with Orchard, Hiltz & McCliment for construction engineering services for the Metro Connector Pathway project in the amount of \$126,885.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

	1	2	Y	N
Council Member Markham				
Council Member Mutch				
Council Member Wrobel				

Metro Connector Trail Phase 1

Location Map

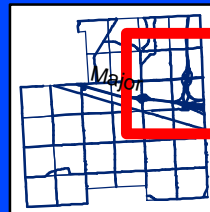


Map Author: Croy
Date: 9/17/12
Project: Metro Connector Trail Phase 1
Version #: v1.1



Legend

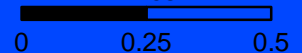
— Existing Pathways & Sidewalks



City of Novi

Engineering Division
Department of Public Services
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org

Miles



MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

**FIRST AMENDMENT TO THE
SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT**

METRO CONNECTOR TRAIL PHASE 1

First Amended Agreement between the City of Novi, 45175 W. Ten Mile Road, Novi, MI 48375-3024, hereafter, "City," and Orchard, Hiltz & McCliment, Inc., whose address is 34000 Plymouth Road, Livonia, Michigan 48150, hereafter, "Consultant," relating to modifications of the fee basis for engineering services. The following sections of the Supplemental Professional Engineering Services Agreement, as made and entered into on May 7, 2012 shall be amended as follows:

Section 2. Payment for Professional Engineering Services, The following Paragraphs shall be amended as follows:

1. Basic Fee.

a. *Unchanged*

b. Delete 1.b. in its entirety and replace with the following language:
Construction Phase Services: The Consultant shall complete the construction phase services as described herein according to the fee schedule as described below:

i. Contract Administration: The Consultant shall complete Contract Administration services for a lump sum fee of \$59,685.19, which is 5.0% of the awarded construction cost (\$1,065,806.98), plus an additional 0.6% of the awarded construction cost for the additional effort related to LAP projects, as indicated on the Design and Construction Engineering Fee Curve.

ii. Construction Inspection: The Consultant shall complete Construction Inspection services for \$640 per crew day as described in the request for proposals. "Crew days" shall be defined by the construction contract documents as an 8 hour day. Crew days shall be billed in 4 hour increments rounded to the next half day, therefore a 10 hour day shall be 1.5 crew days, a 3 hour day is 0.5 crew days, a 6 hour day shall be 1.0 crew days. The minimum crew day charged for a no-show by the contractor shall be 2 hours (0.25 crew days) which is reflective of the actual cost to the Consultant for traveling to the site and traveling back to the office. There will be no payment to the consultant for extra crew days that were not charged to the contractor. The Consultant acknowledges that intent of using crew days for inspection services is to provide a method for the consultant to recoup costs associated with slow progress by the contractor.

2. *Unchanged*

Except as specifically set forth in this First Amendment, the Supplemental Professional Engineering Services Agreement remains in full force and effect.

WITNESSES

Orchard, Hiltz & McCliment, Inc.

By:
Its:

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf _____.

Notary Public

County, Michigan

My Commission Expires: _____

WITNESSES

CITY OF NOVI

By:
Its:

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf of the City of Novi.

Notary Public

Oakland County, Michigan

My Commission Expires: _____

MICHIGAN DEPARTMENT OF TRANSPORTATION

DATE : 04/07/14
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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO
 CONTRACT TIME : 10/01/14 COMPLETION DATE
 CONTRACT DESCRIPTION : PROJECT(S) : TAP 1463(019)
 0.96 mi of hot mix asphalt shared-use path, earth excavation, concrete curb and gutter, pedestrian signal upgrades, and restoration on Meadowbrook Road from the I-275 Trail north to the M-5 Trail in the city of Novi, Oakland County.

VENDOR RANKING :

RANK	VENDOR NO./NAME	TOTAL BID	% OF LOW BID	% OF EST
0	-EST- ENGINEER'S ESTIMATE	\$ 1,277,825.50	119.8928%	100.0000%
1	04940 Warren Contractors & Development, Inc.	\$ 1,065,806.98	100.0000%	83.4079%
2	07130 Z Contractors, Inc.	\$ 1,083,486.32	101.6588%	84.7914%
	01177 Dan's Excavating, Inc.		NOT CONSIDERED	
3	07306 Pavex Corporation	\$ 1,193,981.06	112.0260%	93.4385%

LINE NO / ITEM CODE / ALT	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SECTION 0001 Road Work								
0010	1027051 Audio-Video Route Survey	LUMP	5000.00000	5000.00	15000.00000	15000.00	1300.00000	1300.00
0020	1500001 Mobilization, Max. _____	LUMP	60700.00000	60700.00	122800.00000	122800.00	122800.00000	122800.00
0030	2020004 Tree, Rem, 6 inch to 18 inch	5.000 Ea	250.00000	1250.00	400.00000	2000.00	800.00000	4000.00
0040	2030001 Culv, Rem, Less than 24 inch	3.000 Ea	150.00000	450.00	377.02000	1131.06	450.00000	1350.00
0050	2030005 Culv, End, Rem, Less than 24 inch	5.000 Ea	100.00000	500.00	123.05000	615.25	285.52000	1427.60
0060	2030015 Sewer, Rem, Less than 24 inch	139.000 Ft	10.00000	1390.00	3.80000	528.20	20.00000	2780.00
0070	2040020 Curb and Gutter, Rem	186.000 Ft	8.00000	1488.00	18.02000	3351.72	12.00000	2232.00
0080	2040025 Fence, Rem	40.000 Ft	7.00000	280.00	25.00000	1000.00	20.00000	800.00
0090	2040035 Guardrail, Rem	1238.000 Ft	1.50000	1857.00	2.50000	3095.00	2.80000	3466.40
0100	2040050 Pavt, Rem	216.000 Syd	6.00000	1296.00	11.94000	2579.04	18.20000	3931.20
0110	2040055 Sidewalk, Rem	559.000 Syd	6.00000	3354.00	10.60000	5925.40	7.79000	4354.61

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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0120	2040061 Structures, Rem Portions	LUMP	35000.00000	35000.00	20000.00000	20000.00	111295.00000	111295.00
0130	2050016 Excavation, Earth	52.000 Cyd	20.00000	1040.00	20.67000	1074.84	24.63000	1280.76
0140	2057021 Subgrade Undercut, Type II, Modified	100.000 Cyd	35.00000	3500.00	18.27000	1827.00	28.32000	2832.00
0150	2080020 Erosion Control, Inlet Protection, Fabric Drop	7.000 Ea	125.00000	875.00	85.39000	597.73	100.00000	700.00
0160	2080036 Erosion Control, Silt Fence	1481.000 Ft	1.50000	2221.50	2.25000	3332.25	2.60000	3850.60
0170	3020001 Aggregate Base	9.000 Ton	18.00000	162.00	21.63000	194.67	42.00000	378.00
0180	4010012 Culv End Sect, 12 inch	2.000 Ea	600.00000	1200.00	454.99000	909.98	500.00000	1000.00
0190	4020600 Sewer, Cl E, 12 inch, Tr Det B	579.000 Ft	40.00000	23160.00	39.56000	22905.24	42.68000	24711.72
0200	4020601 Sewer, Cl E, 15 inch, Tr Det B	139.000 Ft	50.00000	6950.00	49.60000	6894.40	46.28000	6432.92
0210	4030035 Dr Structure Cover, Type E	1.000 Ea	400.00000	400.00	514.45000	514.45	540.00000	540.00
0220	4030040 Dr Structure Cover, Type G	4.000 Ea	300.00000	1200.00	390.97000	1563.88	450.00000	1800.00
0230	4030050 Dr Structure Cover, Type K	1.000 Ea	500.00000	500.00	524.70000	524.70	828.00000	828.00
0240	4030210	6.000 Ea	1500.00000	9000.00	1357.94000	8147.64	1580.00000	9480.00

Dr Structure, 48 inch dia								
0250 5010005	56.000	Syd	10.00000	560.00	60.00000	3360.00	32.18000	1802.08
HMA Surface, Rem								
0260 5010009	1400.000	Ft	3.00000	4200.00	0.75000	1050.00	2.98000	4172.00
Edge Trimming								
0270 5010025	12.000	Ton	100.00000	1200.00	150.00000	1800.00	150.00000	1800.00
Hand Patching								
0280 5010061	24.000	Ton	100.00000	2400.00	215.00000	5160.00	215.00000	5160.00
HMA Approach								
0290 6020106	17.000	Syd	60.00000	1020.00	50.00000	850.00	56.70000	963.90
Conc Pavt, Nonreinf, 9 inch								
0300 6030015	229.000	Syd	25.00000	5725.00	44.00000	10076.00	20.00000	4580.00
Diamond Grinding Conc Pavt								
0310 7060050	20.000	Ft	200.00000	4000.00	175.00000	3500.00	0.01000	0.20
Expansion Joint Device								

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LINE NO / ITEM CODE / ALT ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	(0) -EST- ENGINEER'S ESTIMATE		(1) 04940 Warren Contractors & Develop		(2) 07130 Z Contractors, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0320 7060051	20.000	Ft	200.00000	4000.00	165.00000	3300.00	110.40000	2208.00	
Expansion Joint Device, Cover Plate									
0330 7060092	4076.000	Lb	1.50000	6114.00	1.20000	4891.20	1.09000	4442.84	
Reinforcement, Steel, Epoxy Coated									
0340 7060110	10.000	Cyd	275.00000	2750.00	1.00000	10.00	1.00000	10.00	
Superstructure Conc									
0350 7060111	LUMP		8100.00000	8100.00	15000.00000	15000.00	12000.00000	12000.00	
Superstructure Conc, Form, Finish, and Cure									
0360 7067010	7189.000	Sft	45.00000	323505.00	27.50000	197697.50	24.31000	174764.59	
Block Retaining Wall, Mortarless, Reinf									
0370 7110005	343.000	Ft	150.00000	51450.00	165.00000	56595.00	130.00000	44590.00	
Bridge Railing, Aesthetic Parapet Tube									
0380 7120007	297.000	Cft	55.00000	16335.00	1.00000	297.00	1.00000	297.00	
Hand Chipping, Other Than Deck									
0390 7120032	239.000	Ea	15.00000	3585.00	16.00000	3824.00	12.00000	2868.00	
Adhesive Anchoring of Vertical Bar, 1/2 inch									
0400 7127011	562.000	Syd	34.00000	19108.00	26.65000	14977.30	32.22000	18107.64	
Epoxy Overlay									
0410 8020010	215.000	Ft	35.00000	7525.00	25.00000	5375.00	27.50000	5912.50	
Curb and Gutter, Bridge Approach									
0420 8020038	1428.000	Ft	35.00000	49980.00	13.25000	18921.00	16.50000	23562.00	
Curb and Gutter, Conc, Det F4									
0430 8020050	55.000	Ft	25.00000	1375.00	13.25000	728.75	17.50000	962.50	
Driveway Opening, Conc, Det M									
0440 8020075	46.000	Ft	40.00000	1840.00	40.00000	1840.00	25.00000	1150.00	
Spillway, Conc									
0450 8030010	78.000	Ft	30.00000	2340.00	37.00000	2886.00	30.00000	2340.00	
Detectable Warning Surface									
0460 8030036	945.000	Sft	5.00000	4725.00	3.70000	3496.50	6.50000	6142.50	
Sidewalk Ramp, Conc, 6 inch									
0470 8060010	3052.000	Ton	25.00000	76300.00	17.90000	54630.80	18.62000	56828.24	
Shared use Path, Aggregate									
0480 8060020	61.000	Syd	45.00000	2745.00	40.00000	2440.00	47.00000	2867.00	
Shared use Path, Conc									
0490 8060040	898.000	Ton	85.00000	76330.00	85.00000	76330.00	85.00000	76330.00	
Shared use Path, HMA									
0500 8067001	2959.000	Ft	15.00000	44385.00	13.00000	38467.00	11.48000	33969.32	
Shared use Path, Grading, Special, Case A									

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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	(0) -EST- ENGINEER'S ESTIMATE		(1) 04940 Warren Contractors & Develop		(2) 07130 Z Contractors, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0510 8067001	1807.000	Ft	25.00000	45175.00	24.00000	43368.00	12.68000	22912.76	
Shared use Path, Grading, Special, Case B									
0520 8070000	1304.000	Ft	18.00000	23472.00	6.40000	8345.60	17.61000	22963.44	
Guardrail, Type B									
0530 8070023	2.000	Ea	1500.00000	3000.00	1250.00000	2500.00	612.00000	1224.00	
Guardrail Anch, Bridge, Det T2									
0540 8070042	3.000	Ea	2000.00000	6000.00	2200.00000	6600.00	2181.00000	6543.00	
Guardrail Approach Terminal, Type 2B									
0550 8070102	223.000	Ea	40.00000	8920.00	59.25000	13212.75	60.00000	13380.00	
Guardrail Post, Furn and Install, 84 inch									

0560	8077001	1304.000	Ft	10.00000	13040.00	4.25000	5542.00	8.29000	10810.16
	Timber Rub Rail								
0570	8087001	1241.000	Ft	100.00000	124100.00	37.00000	45917.00	57.94000	71903.54
	Fence, Decorative, 48 inch								
0580	8087001	355.000	Ft	225.00000	79875.00	106.00000	37630.00	86.52000	30714.60
	Fence, Decorative, 84 inch								
0590	8087050	1.000	Ea	1000.00000	1000.00	2509.00000	2509.00	2090.00000	2090.00
	Fence, Gate, Special								
0600	8100371	32.000	Ft	4.00000	128.00	12.00000	384.00	4.75000	152.00
	Post, Steel, 3 lb								
0610	8100402	4.000	Ea	100.00000	400.00	10.00000	40.00	70.00000	280.00
	Sign, Type III, Erect, Salv								
0620	8100405	9.000	Sft	20.00000	180.00	19.09000	171.81	30.00000	270.00
	Sign, Type IIIB								
0630	8110024	324.000	Ft	3.00000	972.00	4.25000	1377.00	4.25000	1377.00
	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk								
0640	8110045	23.000	Ft	10.00000	230.00	16.75000	385.25	16.75000	385.25
	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar								
0650	8110153	834.000	Ft	1.50000	1251.00	0.95000	792.30	0.95000	792.30
	Pavt Mrkg, Sprayable Thermopl, 4 inch, White								
0660	8110154	836.000	Ft	2.00000	1672.00	0.95000	794.20	0.95000	794.20
	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow								
0670	8110343	154.000	Sft	1.50000	231.00	3.95000	608.30	3.95000	608.30
	Rem Spec Mrkg								
0680	8120140	2.000	Ea	250.00000	500.00	350.00000	700.00	350.00000	700.00
	Lighted Arrow, Type C, Furn								

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TABULATION OF BIDS

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 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	(0) -EST- ENGINEER'S ESTIMATE		(1) 04940 Warren Contractors & Develop		(2) 07130 Z Contractors, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0690 8120141 Lighted Arrow, Type C, Oper	2.000 Ea	2.50000	5.00			0.01000	0.02	0.01000	0.02
0700 8120170 Minor Traf Devices	LUMP	7500.00000	7500.00			75000.00000	75000.00	25000.00000	25000.00
0710 8120210 Pavt Mrkg, Longit, 6 inch or Less Width Rem	1551.000 Ft	2.00000	3102.00			1.25000	1938.75	1.25000	1938.75
0720 8120250 Plastic Drum, High Intensity, Furn	300.000 Ea	30.00000	9000.00			10.00000	3000.00	10.00000	3000.00
0730 8120251 Plastic Drum, High Intensity, Oper	300.000 Ea	5.00000	1500.00			0.01000	3.00	0.01000	3.00
0740 8120350 Sign, Type B, Temp, Prismatic, Furn	500.000 Sft	5.00000	2500.00			3.25000	1625.00	3.25000	1625.00
0750 8120351 Sign, Type B, Temp, Prismatic, Oper	500.000 Sft	1.00000	500.00			0.01000	5.00	0.01000	5.00
0760 8120370 Traffic Regulator Control	LUMP	12000.00000	12000.00			15000.00000	15000.00	15000.00000	15000.00
0770 8130010 Riprap, Plain	10.000 Syd	55.00000	550.00			50.00000	500.00	100.00000	1000.00
0780 8167001 Irrigation Piping	50.000 Ft	4.00000	200.00			4.00000	200.00	4.00000	200.00
0790 8167011 Surface Restoration, Seeding	7772.000 Syd	3.50000	27202.00			3.54000	27512.88	3.54000	27512.88
0800 8167050 Sprinkler Head, Adj	5.000 Ea	40.00000	200.00			38.00000	190.00	33.00000	165.00
0810 8167050 Sprinkler Head, Relocate	5.000 Ea	80.00000	400.00			33.00000	165.00	38.00000	190.00
0820 8167050 Sprinkler Head, Replace	10.000 Ea	80.00000	800.00			40.00000	400.00	40.00000	400.00
0830 8190026 Conduit, DB, 1, 1 1/4 inch	120.000 Ft	7.50000	900.00			6.00000	720.00	6.00000	720.00
0840 8200100 Pedestal, Alum	1.000 Ea	700.00000	700.00			575.00000	575.00	575.00000	575.00
0850 8200105 Pedestal, Fdn	1.000 Ea	750.00000	750.00			550.00000	550.00	550.00000	550.00
0860 8200121 Pushbutton and Sign	4.000 Ea	500.00000	2000.00			225.00000	900.00	225.00000	900.00
0870 8200122 Pushbutton, Rem	10.000 Ea	100.00000	1000.00			50.00000	500.00	50.00000	500.00
0880 8200180 TS, Pedestrian, Bracket Arm Mtd, Rem	6.000 Ea	100.00000	600.00			75.00000	450.00	75.00000	450.00

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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
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LINE NO / ITEM CODE / ALT	QUANTITY	UNIT PRICE	AMOUNT	(0) -EST- ENGINEER'S ESTIMATE		(1) 04940 Warren Contractors & Develop		(2) 07130 Z Contractors, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT

ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0890 8200336 TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	2.000 Ea	1200.00000	2400.00	1550.00000	3100.00	1550.00000	3100.00
0900 8200339 TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	2.000 Ea	1600.00000	3200.00	850.00000	1700.00	850.00000	1700.00
0910 8200347 TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	1.000 Ea	1600.00000	1600.00	1550.00000	1550.00	1550.00000	1550.00
0920 8207050 Pushbutton Support Post, RCOC	4.000 Ea	500.00000	2000.00	225.00000	900.00	225.00000	900.00
0930 8237050 Gate Valve and Well, Cover, Adj	9.000 Ea	300.00000	2700.00	492.18000	4429.62	800.00000	7200.00
SECTION TOTALS		\$	1,277,825.50	\$	1,065,806.98	\$	1,083,486.32
CONTRACT TOTALS		\$	1,277,825.50	\$	1,065,806.98	\$	1,083,486.32

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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SECTION 0001 Road Work								
0010 1027051	Audio-Video Route Survey	LUMP	1270.00000	1270.00	12700.00000	12700.00		
0020 1500001	Mobilization, Max. _____	LUMP	\$122800.00	122800.00	122800.00000	122800.00		
0030 2020004	Tree, Rem, 6 inch to 18 inch	5.000 Ea	400.00000	2000.00	400.00000	2000.00		
0040 2030001	Culv, Rem, Less than 24 inch	3.000 Ea	274.36000	823.08	400.00000	1200.00		
0050 2030005	Culv, End, Rem, Less than 24 inch	5.000 Ea	132.93000	664.65	50.00000	250.00		
0060 2030015	Sewer, Rem, Less than 24 inch	139.000 Ft	11.05000	1535.95	22.00000	3058.00		
0070 2040020	Curb and Gutter, Rem	186.000 Ft	6.84000	1272.24	5.00000	930.00		
0080 2040025	Fence, Rem	40.000 Ft	22.00000	880.00	6.00000	240.00		
0090 2040035	Guardrail, Rem	1238.000 Ft	2.50000	3095.00	2.25000	2785.50		
0100 2040050	Pavt, Rem	216.000 Syd	8.05000	1738.80	12.00000	2592.00		
0110 2040055	Sidewalk, Rem	559.000 Syd	3.75000	2096.25	2.50000	1397.50		
0120 2040061	Structures, Rem Portions	LUMP	34895.00000	34895.00	35000.00000	35000.00		
0130 2050016	Excavation, Earth	52.000 Cyd	5.94000	308.88	17.00000	884.00		
0140 2057021	Subgrade Undercut, Type II, Modified	100.000 Cyd	43.68000	4368.00	59.00000	5900.00		
0150 2080020	Erosion Control, Inlet Protection, Fabric Drop	7.000 Ea	87.54000	612.78	50.00000	350.00		
0160 2080036	Erosion Control, Silt Fence	1481.000 Ft	2.93000	4339.33	1.00000	1481.00		
0170 3020001	Aggregate Base	9.000 Ton	31.40000	282.60	30.00000	270.00		
0180 4010012	Culv End Sect, 12 inch	2.000 Ea	539.28000	1078.56	400.00000	800.00		
0190 4020600	Sewer, Cl E, 12 inch, Tr Det B	579.000 Ft	39.83000	23061.57	34.80000	20149.20		

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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0200 4020601	Sewer, Cl E, 15 inch, Tr Det B	139.000 Ft	42.30000	5879.70	37.25000	5177.75		
0210 4030035	Dr Structure Cover, Type E	1.000 Ea	382.23000	382.23	500.00000	500.00		
0220 4030040	Dr Structure Cover, Type G	4.000 Ea	445.60000	1782.40	400.00000	1600.00		
0230 4030050	Dr Structure Cover, Type K	1.000 Ea	641.93000	641.93	650.00000	650.00		
0240 4030210		6.000 Ea	1624.93000	9749.58	1250.00000	7500.00		

Dr Structure, 48 inch dia						
0250 5010005	56.000	Syd	4.18000	234.08	50.00000	2800.00
HMA Surface, Rem						
0260 5010009	1400.000	Ft	4.15000	5810.00	1.56000	2184.00
Edge Trimming						
0270 5010025	12.000	Ton	150.00000	1800.00	220.00000	2640.00
Hand Patching						
0280 5010061	24.000	Ton	215.00000	5160.00	158.00000	3792.00
HMA Approach						
0290 6020106	17.000	Syd	50.00000	850.00	50.00000	850.00
Conc Pavt, Nonreinf, 9 inch						
0300 6030015	229.000	Syd	55.88000	12796.52	33.00000	7557.00
Diamond Grinding Conc Pavt						
0310 7060050	20.000	Ft	211.24000	4224.80	300.00000	6000.00
Expansion Joint Device						
0320 7060051	20.000	Ft	168.84000	3376.80	300.00000	6000.00
Expansion Joint Device, Cover Plate						
0330 7060092	4076.000	Lb	1.20000	4891.20	1.00000	4076.00
Reinforcement, Steel, Epoxy Coated						
0340 7060110	10.000	Cyd	226.55000	2265.50	100.00000	1000.00
Superstructure Conc						
0350 7060111		LUMP	52121.64000	52121.64	5000.00000	5000.00
Superstructure Conc, Form, Finish, and Cure						
0360 7067010	7189.000	Sft	22.05000	158517.45	33.20000	238674.80
Block Retaining Wall, Mortarless, Reinf						
0370 7110005	343.000	Ft	56.17000	19266.31	100.00000	34300.00
Bridge Railing, Aesthetic Parapet Tube						
0380 7120007	297.000	Cft	74.74000	22197.78	30.00000	8910.00
Hand Chipping, Other Than Deck						
0390 7120032	239.000	Ea	25.04000	5984.56	6.00000	1434.00
Adhesive Anchoring of Vertical Bar, 1/2 inch						

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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT ITEM DESCRIPTION	QUANTITY	UNIT PRICE	((n/c) 01177 Dan's Excavating, Inc.		((3) 07306 Pavex Corporation		(()	
			AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
0400 7127011 Epoxy Overlay	562.000	Syd	26.65000	14977.30	10.00000	5620.00		
0410 8020010 Curb and Gutter, Bridge Approach	215.000	Ft	25.00000	5375.00	25.00000	5375.00		
0420 8020038 Curb and Gutter, Conc, Det F4	1428.000	Ft	13.25000	18921.00	13.25000	18921.00		
0430 8020050 Driveway Opening, Conc, Det M	55.000	Ft	13.25000	728.75	13.25000	728.75		
0440 8020075 Spillway, Conc	46.000	Ft	40.00000	1840.00	40.00000	1840.00		
0450 8030010 Detectable Warning Surface	78.000	Ft	37.00000	2886.00	37.00000	2886.00		
0460 8030036 Sidewalk Ramp, Conc, 6 inch	945.000	Sft	3.70000	3496.50	3.70000	3496.50		
0470 8060010 Shared use Path, Aggregate	3052.000	Ton	25.66000	78314.32	24.70000	75384.40		
0480 8060020 Shared use Path, Conc	61.000	Syd	40.00000	2440.00	40.00000	2440.00		
0490 8060040 Shared use Path, HMA	898.000	Ton	85.00000	76330.00	110.00000	98780.00		
0500 8067001 Shared use Path, Grading, Special, Case A	2959.000	Ft	16.75000	49563.25	50.00000	147950.00		
0510 8067001 Shared use Path, Grading, Special, Case B	1807.000	Ft	49.05000	88633.35	26.30000	47524.10		
0520 8070000 Guardrail, Type B	1304.000	Ft	6.40000	8345.60	9.40000	12257.60		
0530 8070023 Guardrail Anch, Bridge, Det T2	2.000	Ea	1250.00000	2500.00	2341.00000	4682.00		
0540 8070042 Guardrail Approach Terminal, Type 2B	3.000	Ea	2200.00000	6600.00	2740.00000	8220.00		
0550 8070102 Guardrail Post, Furn and Install, 84 inch	223.000	Ea	59.25000	13212.75	68.90000	15364.70		
0560 8077001 Timber Rub Rail	1304.000	Ft	4.25000	5542.00	10.12000	13196.48		
0570 8087001 Fence, Decorative, 48 inch	1241.000	Ft	47.37000	58786.17	49.10000	60933.10		
0580 8087001 Fence, Decorative, 84 inch	355.000	Ft	106.00000	37630.00	111.00000	39405.00		

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TABULATION OF BIDS

CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0590 8087050	Fence, Gate, Special	1.000 Ea	2509.00000	2509.00	2500.00000	2500.00		
0600 8100371	Post, Steel, 3 lb	32.000 Ft	4.75000	152.00	4.75000	152.00		
0610 8100402	Sign, Type III, Erect, Salv	4.000 Ea	70.00000	280.00	70.00000	280.00		
0620 8100405	Sign, Type IIIB	9.000 Sft	30.00000	270.00	30.00000	270.00		
0630 8110024	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	324.000 Ft	4.25000	1377.00	4.25000	1377.00		
0640 8110045	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	23.000 Ft	16.75000	385.25	16.75000	385.25		
0650 8110153	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	834.000 Ft	0.95000	792.30	0.95000	792.30		
0660 8110154	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	836.000 Ft	0.95000	794.20	0.95000	794.20		
0670 8110343	Rem Spec Mrkg	154.000 Sft	3.95000	608.30	3.95000	608.30		
0680 8120140	Lighted Arrow, Type C, Furn	2.000 Ea	350.00000	700.00	350.00000	700.00		
0690 8120141	Lighted Arrow, Type C, Oper	2.000 Ea	0.01000	0.02	200.00000	400.00		
0700 8120170	Minor Traf Devices	LUMP	18444.27000	18444.27	2000.00000	2000.00		
0710 8120210	Pavt Mrkg, Longit, 6 inch or Less Width Rem	1551.000 Ft	1.25000	1938.75	1.25000	1938.75		
0720 8120250	Plastic Drum, High Intensity, Furn	300.000 Ea	10.00000	3000.00	10.00000	3000.00		
0730 8120251	Plastic Drum, High Intensity, Oper	300.000 Ea	0.01000	3.00	0.01000	3.00		
0740 8120350	Sign, Type B, Temp, Prismatic, Furn	500.000 Sft	3.25000	1625.00	3.25000	1625.00		
0750 8120351	Sign, Type B, Temp, Prismatic, Oper	500.000 Sft	0.01000	5.00	0.01000	5.00		
0760 8120370	Traffic Regulator Control	LUMP	26022.81000	26022.81	14000.00000	14000.00		

TABULATION OF BIDS

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CALL ORDER : 015 CONTRACT ID : 63459-119514 COUNTIES : Oakland County
 LETTING DATE : 04/04/14 10:30 A.M. REGION : METRO

LINE NO / ITEM CODE / ALT	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0770 8130010	Riprap, Plain	10.000 Syd	81.92000	819.20	60.00000	600.00		
0780 8167001	Irrigation Piping	50.000 Ft	4.00000	200.00	4.00000	200.00		
0790 8167011	Surface Restoration, Seeding	7772.000 Syd	5.89000	45777.08	3.54000	27512.88		
0800 8167050	Sprinkler Head, Adj	5.000 Ea	38.00000	190.00	38.00000	190.00		
0810 8167050	Sprinkler Head, Relocate	5.000 Ea	33.00000	165.00	33.00000	165.00		
0820 8167050	Sprinkler Head, Replace	10.000 Ea	40.00000	400.00	40.00000	400.00		
0830 8190026	Conduit, DB, 1, 1 1/4 inch	120.000 Ft	30.90000	3708.00	6.00000	720.00		
0840 8200100	Pedestal, Alum	1.000 Ea	724.38000	724.38	575.00000	575.00		
0850 8200105	Pedestal, Fdn	1.000 Ea	795.88000	795.88	550.00000	550.00		
0860 8200121	Pushbutton and Sign	4.000 Ea	580.30000	2321.20	225.00000	900.00		
0870 8200122	Pushbutton, Rem	10.000 Ea	153.01000	1530.10	50.00000	500.00		
0880 8200180	TS, Pedestrian, Bracket Arm Mtd, Rem	6.000 Ea	153.02000	918.12	75.00000	450.00		
0890 8200336	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	2.000 Ea	1724.52000	3449.04	1550.00000	3100.00		
0900 8200339	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	2.000 Ea	1775.56000	3551.12	850.00000	1700.00		
0910 8200347	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	1.000 Ea	1850.85000	1850.85	1550.00000	1550.00		
0920 8207050	Pushbutton Support Post, RCOC	4.000 Ea	575.35000	2301.40	225.00000	900.00		

0930 8237050	9.000 Ea		360.35000	3243.15	300.00000	2700.00	
- Gate Valve and Well, Cover, Adj							
SECTION TOTALS			\$ 1,132,028.58		\$ 1,193,981.06		\$

CONTRACT TOTALS			\$ 1,132,028.58		\$ 1,193,981.06		\$
=====							