



CITY of NOVI CITY COUNCIL

Agenda Item 5
July 7, 2014

SUBJECT: Approval of Change Order No. 1 to Rauhorn Electric for the 2014 Signal Improvement project in the amount of \$193,753 to add the installation of the Cabot Drive and 13 Mile Road traffic signal.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division ^{R74} _{BLC}

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 193,753
AMOUNT BUDGETED	\$ 201,000
LINE ITEM NUMBER	204-204.00-863.508

BACKGROUND INFORMATION:

A study of the intersection of Cabot Drive and 13 Mile Road was completed in 2012 and determined that a traffic signal was warranted at the intersection. Northern Equities Group contacted staff in 2013 offering to share in the cost of the signal installation to expedite the installation of the signal, which was shown in the Capital Improvement Program at that time for funding in FY2016-17. A Memorandum of Understanding with Northern Equities was approved by the City in August 2013 such that each party would pay for half of the design fees.

The design was completed in late 2013. Northern Equities requested that the project move forward and agreed to fund half of the project's construction costs. An agreement between the City of Novi and HCP Land, LLC (a subsidiary of Northern Equities) that requires construction costs to be shared evenly was prepared by the City Attorney, signed by HCP Land, LLC, and approved by City Council on June 2, 2014. Per the attached agreement, the City will hire and pay all contractors, and HCP Land, LLC will reimburse the City for 50% of the actual project costs upon completion of the project.

In order to obtain actual bid prices, the Cabot and 13 Mile traffic signal was included for bidding as Division 4 in the 2014 Signal Improvement Project that was awarded to Rauhorn Electric on April 7, 2014. The original award to Rauhorn excluded the Cabot and 13 Mile signal until funding was available, but provided accurate construction pricing that could be used in the funding agreement with HCP Land and for budgeting. Now that the funding is in place, staff recommends award of the attached change order to add Division 4 in the amount of \$193,752.55 to the contract to facilitate the construction of the Cabot and 13 Mile traffic signal. The unit prices in the change order match the prices that were obtained through the original competitive bid (see original bid tabulation attached).

All signal work under this contract is to be substantially complete by October 6, 2014 according to the current contract time.

RECOMMENDED ACTION: Approval of Change Order No. 1 to Rauhorn Electric for the 2014 Signal Improvement project in the amount of \$193,753 to add the installation of the Cabot Drive and 13 Mile Road traffic signal.

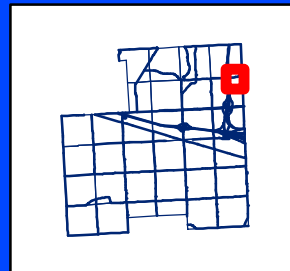
	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

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

13 Mile Rd. and Cabot Dr. Signal Location Map



Map Author: M. D. McCreddie Jr
 Date: 7/29/13
 Project: 13 Mile Rd. and Cabot Dr. Signal
 Version #: 1



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



1 inch = 400 feet

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.



WORK CHANGE DIRECTIVE No. 1

Project: 2014 Traffic Signal Improvements

Owner: City of Novi
26300 Lee BeGole Dr.
Novi, Michigan 48375
(248) 735-5632

Engineer: OHM Advisors
34000 Plymouth Road
Livonia, Michigan 48150
(734) 522-6711

Contractor: Rauhorn Electric, Inc.
17171 23 Mile Road
Macomb, Michigan 48042
(586) 992-0400

Drafted Date: June 6, 2014

Reasoning: Division 4 (13 Mile & Cabot Drive) was bid out with the rest of the project, but could not be awarded until the cost share agreement with Northern Equities was approved and FY 14-15 funding was in place for City share of project costs.

New Contract Items

Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Price	
						Add	Deduct
0	4	Inspection "Crew Days"	CD	\$640.00	24	<input checked="" type="checkbox"/>	<input type="checkbox"/>
136	4	Mobilization, Max. 10%	LS	\$10,000.00	1	\$10,000.00	
137	4	Digital Video Route Survey	LS	\$400.00	1	\$400.00	
138	4	Traffic Maintenance/Control	LS	\$1,962.00	1	\$1,962.00	
139	4	Curb and Gutter, Rem	FT	\$12.00	195	\$2,340.00	
140	4	Pavt, Rem	SY	\$18.00	99	\$1,782.00	
141	4	Sidewalk, Rem	SY	\$12.00	132	\$1,584.00	
142	4	Erosion Control, Silt Fence	FT	\$5.00	145	\$725.00	
143	4	Aggregate Base, 6-inch	SY	\$12.00	151	\$1,812.00	
144	4	Aggregate Base, 8-inch	SY	\$14.00	36	\$504.00	
145	4	Sprklr Head, Rem & Reset	EA	\$200.00	4	\$800.00	
146	4	Conc Pavt, Non-Rein, 9-inch	SY	\$60.00	125	\$7,500.00	
147	4	Curb & Gutter, Conc, Det F4	FT	\$28.00	210	\$5,880.00	
148	4	Gate Well, Adj, Add Depth	FT	\$200.00	1	\$200.00	
Subtotals						\$35,489.00	\$0.00
Total						\$35,489.00	

New Contract Items Continued

Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Price	
						Add	Deduct
149	4	Gate Well, Cover, Adj	EA	\$650.00	2	\$1,300.00	
150	4	Detectable Warning Surface	FT	\$60.00	71	\$4,260.00	
151	4	Sidewalk Ramp, Conc, 6"	SF	\$6.00	488	\$2,928.00	
152	4	Sidewalk, Conc, 4-inch	SF	\$6.00	813	\$4,878.00	
153	4	Sign, Type III, Rem	EA	\$100.00	3	\$300.00	
154	4	Pavt Mrkg, C-P, 6" Crswlk	FT	\$3.00	543	\$1,629.00	
155	4	Pavt Mrkg, C-P, 24" Stopbar	FT	\$12.00	146	\$1,752.00	
156	4	Pavt Mrkg, Poly, 4" White	FT	\$3.00	80	\$240.00	
157	4	Rem Spec Mrkg	SF	\$1.50	753	\$1,129.50	
158	4	Relocate Sign	EA	\$400.00	1	\$400.00	
159	4	Conduit, DB, 1, 1 1/4-inch	FT	\$13.47	75	\$1,010.25	
160	4	Conduit, DB, 1, 3-inch	FT	\$9.71	320	\$3,107.20	
161	4	Conduit, DB, 2, 3-inch	FT	\$16.85	40	\$674.00	
162	4	Conduit, DB, 3, 4-inch	FT	\$63.86	15	\$957.90	
163	4	Hh, Round	EA	\$941.00	6	\$5,646.00	
164	4	Wood Pole, Sec Cable Pole	EA	\$431.00	1	\$431.00	
165	4	Conduit, DB, 1, 3-inch	FT	\$44.83	40	\$1,793.20	
166	4	Conduit, DB, 1, 4-inch	FT	\$32.65	100	\$3,265.00	
167	4	Cable, 600V, 1, 2/C#4, #6	FT	\$6.31	550	\$3,470.50	RCOC
168	4	Hh, Square	EA	\$1,730.00	1	\$1,730.00	RCOC
169	4	Controller Fdn, Base Mount	EA	\$1,368.00	1	\$1,368.00	
170	4	Pushbutton and Sign	EA	\$427.00	4	\$1,708.00	
171	4	Service Disconnect	EA	\$923.00	1	\$923.00	
172	4	TS, 1-way Span Wire (LED)	EA	\$912.00	6	\$5,472.00	
173	4	TS, 1-way Span FYA (LED)	EA	\$1,076.00	2	\$2,152.00	
174	4	TS, 1-way Span Five Sect	EA	\$1,371.00	2	\$2,742.00	
175	4	TS, Ped, 2-way Bracket Arm	EA	\$1,355.00	4	\$5,420.00	
176	4	Bottom Tether Wire	EA	\$1,772.00	1	\$1,772.00	RCOC
177	4	Bracket Arm, 18-foot	EA	\$539.00	4	\$2,156.00	RCOC
178	4	Case Sign, 1-way, 24"x30"	EA	\$1,028.00	2	\$2,056.00	RCOC
179	4	Controller & Cabinet, Delivrd	EA	\$15,695.00	1	\$15,695.00	RCOC
180	4	Controller & Cabinet, Install	EA	\$746.00	1	\$746.00	RCOC
181	4	Optical Priority Control Sys	EA	\$4,616.00	1	\$4,616.00	RCOC
182	4	Pushbutton Support Post	EA	\$760.00	4	\$3,040.00	RCOC
183	4	Span Wire, Box	EA	\$2,083.00	1	\$2,083.00	RCOC
184	4	Strain Pole, Steel, 40-foot	EA	\$4,305.00	4	\$17,220.00	RCOC
185	4	Strain Pole, Steel, Fdn	EA	\$3,404.00	4	\$13,616.00	RCOC
186	4	Thermal Detection Camera	EA	\$5,218.00	4	\$20,872.00	RCOC
187	4	Thermal Detection System	EA	\$13,705.00	1	\$13,705.00	RCOC
Subtotals						\$158,263.55	\$0.00
Total						\$158,263.55	

Estimated Increase/Decrease in Contract Price	\$193,752.55
Original Contract Amount	\$342,122.06
Sum of Previous Approved Change Orders	\$0.00
Estimated Revised Contract Amount	\$535,874.61

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CONTRACT TIME BY: Day(s)

Accepted By: Kristen A. Calabro
Rauhorn Electric, Inc.

Date: 6/17/14

Prepared By: Aaron Staup
Aaron Staup, Construction Engineering Coordinator

Date: 6/23/14

Reviewed By: Brian Coburn
Brian Coburn, P.E., Engineering Manager

Date: 6/23/14

Approved By: Rob Hayes
For Rob Hayes, P.E., DPS Director/City Engineer
and

Date: 6/23/14

Approved By: _____
Sue Morianti, Purchasing Manager

Date: _____



CHANGE ORDER No. 1

Project: 2014 Traffic Signal Improvements

Owner: City of Novi
26300 Lee BeGole Dr.
Novi, Michigan 48375
(248) 735-5632

Engineer: OHM Advisors
34000 Plymouth Road
Livonia, Michigan 48150
(734) 522-6711

Contractor: Rauhorn Electric, Inc.
17171 23 Mile Road
Macomb, Michigan 48042
(586) 992-0400

Drafted Date: June 6, 2014

Description/Reasoning: Division 4 (13 Mile & Cabot Drive) was bid out with the rest of the project, but could not be awarded until the cost share agreement with Northern Equities was approved and FY14-15 funding was in place for City share of project costs.

To the Contractor: You are hereby directed to comply with the changes to the contract documents. This change order reflects work completed or anticipated. Documentation supporting these changes are on file with the City of Novi's Engineer. Current project plans and specifications will be adhered to unless specifically changed by this change order document.

THE CONTRACT AMOUNT SHALL BE CHANGED BY THE SUM OF:	\$193,752.55
ORIGINAL CONTRACT AMOUNT:	\$342,122.06
SUM OF PREVIOUS APPROVED CHANGE ORDERS:	\$0.00
REVISED CONTRACT AMOUNT:	\$535,874.61

Where applicable, attach the corresponding number of Work Change Directive to this Change Order.

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CREW DAY TIME BY: Day(s) ADD: DEDUCT:

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CONTRACT TIME BY: Day(s)

Accepted By: Karen G. Calabro Date: 6/17/14
Rauhorn Electric, Inc.

Prepared By: Aaron Staup Date: 6/23/14
Aaron Staup, Construction Engineering Coordinator

Reviewed By: Brian Coburn Date: 6/23/14
Brian Coburn, P.E., Engineer Manager

Approved By: Rob Hayes Date: 6/23/14
Rob Hayes, P.E., DPS Director/City Engineer
and

Approved By: _____ Date: _____
Sue Morianti, Purchasing Manager

AGREEMENT TO SHARE COSTS

BETWEEN

THE CITY OF NOVI

AND

HCP LAND, LLC

This Agreement ("Agreement") is entered into this ^{2ND} day of ^{JUNE} 2014, by and between the City of Novi (the "City") and HCP Land, LLC. ("HCP").

HCP owns a development near the intersection of Thirteen Mile Road and Cabot Drive in the City of Novi (the "Intersection").

The City obtained a traffic study showing that a traffic signal is warranted at the Intersection.

For the benefit of the citizens of the City of Novi, the driving public and HCP and its development, the parties determined that the installation of a traffic signal at the Intersection is feasible, cost effective and mutually beneficial.

The City and HCP shared in the costs of designing an appropriate traffic signal consistent with City design standards and all applicable laws and ordinance.

The parties now propose to split the cost of construction, construction engineering and materials testing for the installation of the traffic signal at the Intersection in accordance with the approved plans (the "Project").

NOW, THEREFORE, be it agreed between the parties as follows:

1. The City and HCP will equally participate in the actual cost of construction, construction engineering and materials testing for the installation of the traffic signal at the Intersection in accordance with the approved plans.
2. The cost of construction, construction engineering and materials testing shall be included in the project costs to be shared by the parties (the "Project Costs"). HCP has reviewed and approved Plan Sheets 27 through 34 of the 2014 Signal Improvements Project dated February 12, 2014. The Project Costs are estimated to be as follows:

a. Construction Cost Estimate	\$193,753.00
b. Construction Engineering	
i. Contract Administration (4.5% of construction)	\$ 8,719.00
ii. Inspection Days (24 days @640.00 per day)	\$ 15,360.00
c. Material Testing	\$ 611.00
d. <u>RCOC Force Account Work</u>	\$ 9,311.00

Estimated Project Cost: \$227,754.00

3. The Project is under the jurisdiction of the City and will be operated and maintained by the City at the City's expense. As such, the City shall award, administer and construct the project pursuant to applicable City Ordinances.

HCP shall be responsible for 50% of the actual Project Costs as determined at the completion of construction based on invoices submitted by the City's Contractor as approved by the City. The City shall send copies of all change orders and/or additional costs to the project to HCP. The City shall have the authority to approve or deny change orders or additional costs within its sole reasonable discretion. HCP shall pay its portion of the Project Costs, as estimated, above, upon completion of construction by the City within 30-days of the invoice date.

The City shall make all invoices and accountings for the project available for review by HCP. The City shall pay all invoices due on the project in accordance with the terms and conditions of its construction contract. Neither the City nor the contractor shall place any liens on Property owned by HCP Land, LLC for non-payment relating to this contract. Except as otherwise set forth herein, in the event of a breach of this Agreement, the Parties may pursue all remedies available under the law and in equity.

4. If HCP shall fail to make any payments when due, as specified herein, the City may initiate a lawsuit for purposes of enforcing and achieving full compliance with the terms and provisions of this Agreement. In the event that the City is awarded relief in such suit, HCP shall pay all court costs, expenses and reasonable actual attorney fees incurred by the City in connection with such suit.
5. The Project is expected to be awarded and completed during the summer 2014 construction season.
6. If necessary, the City and its contractors, agenda and employees are hereby granted to the rights to enter onto lands owned by HCP for purposes of performing work in connection with the Project.
7. General Provisions.
 - A. Entire Agreement. This instrument, together with the attached Schedules, contains the entire Contract between HCP and the City. No verbal agreement, conversation, or representation by or between any officer, agent, or employee of the parties hereto, either before or after the execution of this Contract, shall affect or modify any of the terms or obligations herein contained.
 - B. Compliance with Laws. This Contract and all of City's work and practices shall be subject to all applicable state, federal and local Laws, ordinances, rules or regulations, including without limitation, those which apply because the City is a public governmental agency or body.

- C. Governing Law. This Contract shall be governed by the laws of the State of Michigan.
- D. Assignment. Neither party shall assign this Contract or any part thereof without the written consent of the other party. This Contract shall be binding on the parties, their successors, assigns and legal representatives.
- E. Third Parties. It is the intention of the parties hereto that this Agreement is not made for the benefit of any private third party. HCP and the City agree that no private party or parties will be allowed to hold sway or influence, in any way, over City's performance of the work.
- F. Notices. Written notices under this Contract shall be given to the parties at their addresses contained in this Contract by personal or registered mail delivery to the attention of the following persons:
- HCP: Matthew S. Sosin, HCP Land, LLC, 39000 Country Club Drive
Farmington Hills, MI 48331
- City: Maryanne Cornelius, City Clerk, City of Novi, 45175 Ten Mile, Novi,
MI 48375
- G. Changes. Any changes in the provisions of this Contract must be in writing and signed by HCP and the City.
- H. Waivers. No waiver of any term or condition of this Contract shall be binding and effective unless in writing and signed by all parties, with any such waiver being limited to that circumstance only and not applicable to subsequent actions or events.
- I. Jurisdiction and Venue of Contract. This Contract shall be considered for all purposes, including the establishment of jurisdiction and venue in any court action between the parties, as having been entered into and consummated in the Owner of Novi, Oakland County, Michigan.

IN WITNESS WHEREOF, HCP and the City have executed this Contract in Oakland County, Michigan, as of the date first listed above.

THE CITY

CITY OF NOVI

By: _____

Robert J. Gatt, Its, Mayor

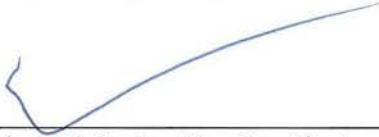
By: _____

Maryanne Cornelius, Its Clerk

HCP

HCP LAND, LLC

By: FG 38 Corporation, Manager

By: 
Matthew S. Sosin, Vice-President



ARCHITECTS. ENGINEERS. PLANNERS.

March 31, 2014

City of Novi DPS – Engineering Division

26300 Lee BeGole Drive

Novi, MI 48375

Attention: Ben Croy, P.E., Engineer

Regarding: City of Novi – 2014 Traffic Signal Improvements

Recommendation of Award

OHM Job # 0163-13-0010, 0163-13-0040, 0163-13-0080, 0163-13-0140

Dear Mr. Croy:

Sealed bids for the 2014 Traffic Signal Improvements project were received and publicly read aloud on Wednesday, March 26, 2014. Proposals were received from three (3) bidders. One of the bidders, Dan’s Excavating, Inc., failed to recognize the addendum. Therefore, their bid was not considered complete. The two (2) remaining bidders and their bid amounts are summarized below and in the attached bid tabulation. The Engineer’s Opinion of Construction Cost for this project was estimated to be \$582,157.50.

Contractor	Amount
Rauhorn Electric, Inc.	\$583,234.61
J. Ranck Electric, Inc.	\$621,130.25

The project scope consists of improvements at four locations throughout the City. The improvements at Nine Mile and Haggerty consist of a pedestrian crossing on Haggerty along with associated pedestrian signals, pushbuttons, and retaining wall. The improvements at 8 Mile and Haggerty, Wixom and Glenwood, and 13 Mile and Cabot consist of installation of a new traffic signal along with upgrading the pedestrian crossings, pushbuttons and pedestrian signals. 13 Mile and Cabot also includes some minor roadway improvements.

The work to be done under this Contract includes the furnishing of materials, equipment, and labor necessary to complete the proposed work, as well as all necessary restoration in accordance with the specifications.

Rauhorn Electric, Inc., located in Macomb, Michigan, is the low bidder. They have positive references and have successfully completed work within the City of Novi in the past. Based on our findings and discussions with City Staff, we recommend award of the 2014 Traffic Signal Improvements project to Rauhorn Electric, Inc. in the amount of **\$535,874.61** (\$583,234.61 - \$47,360.00 crew days), per the unit prices bid for the project.

If you have any questions please do not hesitate to give our office a call at (734) 522-6711.

Sincerely,

OHM Advisors

James C. Stevens P.E.
Client Representative

Jacob Rushlow, P.E.
Project Manager

Enclosures: Bid Tabulation

Cc: File

Item No.	Description	Estimated Quantity	Unit	Price	Amount	Unit		Unit	
						Price	Amount	Price	Amount
DIVISION 1 -9 Mile & Haggerty									
1)	Mobilization, Max 10% - D1	1	LS	\$2,620.00	\$2,620.00	\$2,500.00	\$2,500.00	\$4,000.00	\$4,000.00
2)	Digital Video Route Survey - D1	1	LS	\$1,000.00	\$1,000.00	\$400.00	\$400.00	\$500.00	\$500.00
3)	Traffic Maintenance and Control - D1	1	LS	\$2,000.00	\$2,000.00	\$952.00	\$952.00	\$1,500.00	\$1,500.00
4)	Modular Block Retaining Wall, Salvage and Reset	80	Sft	\$50.00	\$4,000.00	\$32.00	\$2,560.00	\$32.85	\$2,628.00
5)	Curb and Gutter, Rem	43	Ft	\$10.00	\$430.00	\$12.00	\$516.00	\$13.35	\$574.05
6)	Pavt, Rem	11	Syd	\$12.00	\$132.00	\$18.00	\$198.00	\$8.60	\$94.60
7)	Sidewalk, Rem	10	Syd	\$9.00	\$90.00	\$12.00	\$120.00	\$25.00	\$250.00
8)	Erosion Control, Inlet Protection, Fabric Drop	2	Ea	\$125.00	\$250.00	\$120.00	\$240.00	\$80.00	\$160.00
9)	Erosion Control, Silt Fence	20	Ft	\$4.00	\$80.00	\$5.00	\$100.00	\$1.55	\$31.00
10)	Modular Block Retaining Wall	190	Sft	\$20.00	\$3,800.00	\$38.00	\$7,220.00	\$35.60	\$6,764.00
11)	Hand Patching	3	Ton	\$140.00	\$420.00	\$300.00	\$900.00	\$234.00	\$702.00
12)	Curb and Gutter, Conc, Det F6	43	Ft	\$35.00	\$1,505.00	\$28.00	\$1,204.00	\$29.75	\$1,279.25
13)	Detectable Warning Surface	13	Ft	\$33.00	\$429.00	\$60.00	\$780.00	\$48.00	\$624.00
14)	Sidewalk Ramp, Conc, 6 inch	153	Sft	\$5.00	\$765.00	\$6.00	\$918.00	\$5.20	\$795.60
15)	Sidewalk, Conc, 4 inch	82	Sft	\$5.00	\$410.00	\$6.00	\$492.00	\$4.55	\$373.10
16)	Sidewalk, Conc, 6 inch	264	Sft	\$7.00	\$1,848.00	\$6.00	\$1,584.00	\$7.00	\$1,848.00
17)	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	112	Ft	\$5.00	\$560.00	\$3.00	\$336.00	\$8.00	\$896.00
18)	Relocate Sign	3	Ea	\$50.00	\$150.00	\$400.00	\$1,200.00	\$300.00	\$900.00
19)	Topsoil, Seed and Mulch, 3 inch	62	Syd	\$5.00	\$310.00	\$20.00	\$1,240.00	\$20.00	\$1,240.00
20)	Conduit, DB, 1, 1 1/4 inch	100	Ft	\$11.00	\$1,100.00	\$6.30	\$630.00	\$8.00	\$800.00
21)	Conduit, DB, 1, 3 inch	65	Ft	\$13.00	\$845.00	\$25.30	\$1,644.50	\$12.00	\$780.00
22)	Hh, Rem	1	Ea	\$150.00	\$150.00	\$179.00	\$179.00	\$150.00	\$150.00
23)	Hh, Round	2	Ea	\$900.00	\$1,800.00	\$941.00	\$1,882.00	\$900.00	\$1,800.00
24)	Wood Pole, Fit Up, TS Cable Pole	1	Ea	\$400.00	\$400.00	\$423.00	\$423.00	\$500.00	\$500.00
25)	Pedestal, Alum	2	Ea	\$700.00	\$1,400.00	\$564.00	\$1,128.00	\$750.00	\$1,500.00
26)	Pedestal, Alum, Salv	1	Ea	\$300.00	\$300.00	\$176.00	\$176.00	\$350.00	\$350.00
27)	Pedestal, Fdn	3	Ea	\$600.00	\$1,800.00	\$1,382.00	\$4,146.00	\$800.00	\$2,400.00
28)	Pedestal Fdn, Rem	1	Ea	\$100.00	\$100.00	\$223.00	\$223.00	\$200.00	\$200.00
29)	Pedestal, Rem	1	Ea	\$100.00	\$100.00	\$87.42	\$87.42	\$100.00	\$100.00
30)	Pushbutton and Sign	2	Ea	\$400.00	\$800.00	\$596.00	\$1,192.00	\$700.00	\$1,400.00
31)	Pushbutton, Rem	1	Ea	\$75.00	\$75.00	\$60.63	\$60.63	\$100.00	\$100.00
32)	Pushbutton and Sign, Salv	1	Ea	\$200.00	\$200.00	\$606.00	\$606.00	\$400.00	\$400.00
33)	TS, Pedestrian, Pedestal Mtd, Rem	1	Ea	\$100.00	\$100.00	\$68.21	\$68.21	\$150.00	\$150.00
34)	TS, Pedestrian, One Way Pedestal Mtd, Salv	1	Ea	\$350.00	\$350.00	\$645.00	\$645.00	\$500.00	\$500.00
35)	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	2	Ea	\$900.00	\$1,800.00	\$996.00	\$1,992.00	\$900.00	\$1,800.00
36)	_ Pushbutton Support Post, RCOC	1	Ea	\$500.00	\$500.00	\$760.00	\$760.00	\$400.00	\$400.00
37)	_ Support Post, Rem, RCOC	1	Ea	\$100.00	\$100.00	\$132.00	\$132.00	\$100.00	\$100.00
38)	Crew Days - D1	640	\$/day	20	\$12,800.00	12	\$7,680.00	12	\$7,680.00
TOTAL DIVISION 1:					<u>\$45,519.00</u>		<u>\$47,114.76</u>		<u>\$46,269.60</u>
DIVISION 2 -8 Mile & Meadowbrook									
1)	Mobilization, Max 10% - D2	1	LS	\$13,230.00	\$13,230.00	\$10,550.00	\$10,550.00	\$14,000.00	\$14,000.00
2)	Digital Video Route Survey - D2	1	LS	\$1,000.00	\$1,000.00	\$400.00	\$400.00	\$500.00	\$500.00
3)	Traffic Maintenance and Control - D2	1	LS	\$5,000.00	\$5,000.00	\$1,962.00	\$1,962.00	\$2,000.00	\$2,000.00
4)	Curb and Gutter, Rem	52	Ft	\$10.00	\$520.00	\$12.00	\$624.00	\$13.35	\$694.20
5)	Sidewalk, Rem	37	Syd	\$9.00	\$333.00	\$12.00	\$444.00	\$8.60	\$318.20
6)	Erosion Control, Inlet Protection, Fabric Drop	2	Ea	\$125.00	\$250.00	\$120.00	\$240.00	\$80.00	\$160.00
7)	Aggregate Base, 6 inch	29	Syd	\$8.00	\$232.00	\$12.00	\$348.00	\$10.00	\$290.00
8)	Curb, Conc, Det E4	21	Ft	\$20.00	\$420.00	\$35.00	\$735.00	\$39.00	\$819.00
9)	Curb and Gutter, Conc, Det F4	52	Ft	\$22.00	\$1,144.00	\$28.00	\$1,456.00	\$29.75	\$1,547.00
10)	Detectable Warning Surface	16	Ft	\$33.00	\$528.00	\$60.00	\$960.00	\$48.00	\$768.00
11)	Sidewalk Ramp, Conc, 6 inch	62	Sft	\$5.00	\$310.00	\$6.00	\$372.00	\$5.20	\$322.40
12)	Sidewalk, Conc, 4 inch	191	Sft	\$5.00	\$955.00	\$6.00	\$1,146.00	\$4.55	\$869.05
13)	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	133	Ft	\$5.00	\$665.00	\$3.00	\$399.00	\$3.00	\$399.00
14)	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	37	Ft	\$9.00	\$333.00	\$12.00	\$444.00	\$12.00	\$444.00
15)	Rem Spec Mrkg	135	Sft	\$2.50	\$337.50	\$1.50	\$202.50	\$1.50	\$202.50
16)	Cable Pole, TS, Disman	1	Ea	\$50.00	\$50.00	\$97.55	\$97.55	\$150.00	\$150.00
17)	Cable, Intercn, Rem	1700	Ft	\$0.75	\$1,275.00	\$0.53	\$901.00	\$0.25	\$425.00
18)	Conduit, DB, 1, 1 1/2 inch	50	Ft	\$11.00	\$550.00	\$8.46	\$423.00	\$10.00	\$500.00
19)	Conduit, DB, 1, 3 inch	75	Ft	\$13.00	\$975.00	\$12.26	\$919.50	\$12.00	\$900.00
20)	Conduit, DB, 2, 3 inch	40	Ft	\$15.00	\$600.00	\$16.85	\$674.00	\$15.00	\$600.00
21)	Conduit, DB, 3, 3 inch	10	Ft	\$17.00	\$170.00	\$31.66	\$316.60	\$25.00	\$250.00
22)	Hh, Rem	2	Ea	\$150.00	\$300.00	\$179.00	\$358.00	\$150.00	\$300.00
23)	Hh, Round	4	Ea	\$900.00	\$3,600.00	\$941.00	\$3,764.00	\$900.00	\$3,600.00
24)	Cable, Sec, 600V, 1, 3/C#6	90	Ft	\$5.00	\$450.00	\$4.85	\$436.50	\$5.00	\$450.00
25)	Wood Pole, Fit Up, Sec Cable Pole	1	Ea	\$400.00	\$400.00	\$423.00	\$423.00	\$500.00	\$500.00
26)	Case Sign, Rem	1	Ea	\$100.00	\$100.00	\$105.00	\$105.00	\$150.00	\$150.00
27)	Controller and Cabinet, Rem	1	Ea	\$200.00	\$200.00	\$142.00	\$142.00	\$150.00	\$150.00
28)	Controller and Cabinet, Digital Type	1	Ea	\$15,000.00	\$15,000.00	\$15,315.00	\$15,315.00	\$20,000.00	\$20,000.00
29)	Controller Fdn, Base Mount	1	Ea	\$2,000.00	\$2,000.00	\$1,368.00	\$1,368.00	\$1,500.00	\$1,500.00
30)	Pedestal, Fdn	2	Ea	\$600.00	\$1,200.00	\$1,382.00	\$2,764.00	\$800.00	\$1,600.00
31)	Pedestal Fdn, Rem	2	Ea	\$100.00	\$200.00	\$223.00	\$446.00	\$200.00	\$400.00
32)	Pedestal, Rem	2	Ea	\$100.00	\$200.00	\$87.93	\$175.86	\$100.00	\$200.00
33)	Pushbutton and Sign	2	Ea	\$400.00	\$800.00	\$530.00	\$1,060.00	\$700.00	\$1,400.00
34)	Pushbutton Pedestal, Alum	2	Ea	\$500.00	\$1,000.00	\$385.00	\$770.00	\$700.00	\$1,400.00
35)	Serv Disconnect	1	Ea	\$900.00	\$900.00	\$923.00	\$923.00	\$800.00	\$800.00
36)	Span Wire	3	Ea	\$300.00	\$900.00	\$444.00	\$1,332.00	\$700.00	\$2,100.00
37)	Span Wire, Rem	1	Ea	\$200.00	\$200.00	\$158.00	\$158.00	\$200.00	\$200.00
38)	TS, Pedestrian, Bracket Arm Mtd, Rem	1	Ea	\$100.00	\$100.00	\$70.08	\$70.08	\$150.00	\$150.00
39)	TS, Pedestrian, Pedestal Mtd, Rem	2	Ea	\$100.00	\$200.00	\$68.24	\$136.48	\$150.00	\$300.00
40)	TS, Span Wire Mtd, Rem	2	Ea	\$150.00	\$300.00	\$81.38	\$162.76	\$150.00	\$300.00
41)	TS, One Way Span Wire Mtd (LED)	6	Ea	\$900.00	\$5,400.00	\$798.00	\$4,788.00	\$900.00	\$5,400.00
42)	TS, One Way Span Wire Mtd, FYA (LED)	1	Ea	\$1,000.00	\$1,000.00	\$935.00	\$935.00	\$1,200.00	\$1,200.00
43)	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	2	Ea	\$900.00	\$1,800.00	\$886.00	\$1,772.00	\$900.00	\$1,800.00
44)	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	1	Ea	\$1,200.00	\$1,200.00	\$1,314.00	\$1,314.00	\$1,300.00	\$1,300.00
45)	Bracket, Truss, With 18 Foot Arm	2	Ea	\$1,000.00	\$2,000.00	\$571.00	\$1,142.00	\$700.00	\$1,400.00
46)	Video Traffic Detection System	1	Ea	\$12,000.00	\$12,000.00	\$8,341.00	\$8,341.00	\$7,500.00	\$7,500.00
47)	Video Traffic Detection Camera	2	Ea	\$3,500.00	\$7,000.00	\$2,550.00	\$5,100.00	\$3,000.00	\$6,000.00
48)	Wireless, Intercn, Closed Loop, Master	1	Ea	\$2,500.00	\$2,500.00	\$3,967.00	\$3,967.00	\$4,000.00	\$4,000.00
49)	Wireless, Intercn, Closed Loop, Remote	1	Ea	\$2,500.00	\$2,500.00	\$2,700.00	\$2,700.00	\$3,500.00	\$3,500.00
50)	Strain Pole, Steel, 6 bolt, 30 foot	4	Ea	\$5,000.00	\$20,000.00	\$4,820.00	\$19,280.00	\$5,500.00	\$22,000.00
51)	Strain Pole Fdn, 6 Bolt	60	Ft	\$325.00	\$19,500.00	\$328.00	\$19,680.00	\$400.00	\$24,000.00
52)	Casing	31	Ft	\$200.00	\$6,200.00	\$152.00	\$4,712.00	\$140.00	\$4,340.00
53)	_ Optical Priority Control System, RCOC	1	Ea	\$5,500.00	\$5,500.00	\$4,616.00	\$4,616.00	\$4,000.00	\$4,000.00
54)	_ Span Wire, Box, WCDPS	1	Ea	\$2,000.00	\$2,000.00	\$1,960.00	\$1,960.00	\$2,000.00	\$2,000.00
55)	Crew Days - D2	640	\$/day	20	\$12,800.00	18	\$11,520.00	14	\$8,960.00
TOTAL DIVISION 2:					<u>\$158,327.50</u>		<u>\$145,350.83</u>		<u>\$159,058.35</u>
DIVISION 3 -Wixom & Glenwood									
1)	Mobilization, Max 10% - D3	1	LS	\$12,180.00	\$12,180.00	\$8,616.00	\$8,616.00	\$17,000.00	\$17,000.00
2)	Digital Video Route Survey - D3	1	LS	\$1,000.00	\$1,000.00	\$400.00	\$400.00	\$500.00	\$500.00
3)	Traffic Maintenance and Control - D3	1	LS	\$5,000.00	\$5,000.00	\$1,962.00	\$1,962.00	\$2,000.00	\$2,000.00
4)	Curb and Gutter, Rem	212	Ft	\$10.00	\$2,120.00	\$12.00	\$2,544.00	\$13.35	\$2,830.20

5) Pavt, Rem	176 Syd	\$12.00	\$2,112.00	\$18.00	\$3,168.00	\$8.60	\$1,513.60
6) Sidewalk, Rem	19 Syd	\$9.00	\$171.00	\$12.00	\$228.00	\$8.60	\$163.40
7) Erosion Control, Inlet Protection, Fabric Drop	2 Ea	\$125.00	\$250.00	\$120.00	\$240.00	\$80.00	\$160.00
8) Erosion Control, Silt Fence	71 Ft	\$4.00	\$284.00	\$5.00	\$355.00	\$1.55	\$110.05
9) Aggregate Base, 6 inch	257 Syd	\$8.00	\$2,056.00	\$12.00	\$3,084.00	\$10.00	\$2,570.00
10) Hand Patching	9 Ton	\$140.00	\$1,260.00	\$300.00	\$2,700.00	\$234.00	\$2,106.00
11) Curb and Gutter, Conc, Det F4	212 Ft	\$22.00	\$4,664.00	\$28.00	\$5,936.00	\$29.75	\$6,307.00
12) Detectable Warning Surface	83 Ft	\$33.00	\$2,739.00	\$60.00	\$4,980.00	\$48.00	\$3,984.00
13) Sidewalk Ramp, Conc, 6 inch	539 Sft	\$5.00	\$2,695.00	\$6.00	\$3,234.00	\$5.20	\$2,802.80
14) Sidewalk, Conc, 4 inch	1356 Sft	\$5.00	\$6,780.00	\$6.00	\$8,136.00	\$4.55	\$6,169.80
15) Sign, Type III, Rem	2 Ea	\$20.00	\$40.00	\$100.00	\$200.00	\$75.00	\$150.00
16) Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	471 Ft	\$5.00	\$2,355.00	\$3.00	\$1,413.00	\$3.00	\$1,413.00
17) Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	115 Ft	\$9.00	\$1,035.00	\$12.00	\$1,380.00	\$12.00	\$1,380.00
18) Rem Spec Mrkg	851 Sft	\$2.50	\$2,127.50	\$1.50	\$1,276.50	\$1.50	\$1,276.50
19) Conduit, DB, 1, 1 1/4 inch	90 Ft	\$11.00	\$990.00	\$16.02	\$1,441.80	\$8.00	\$720.00
20) Conduit, DB, 1, 3 inch	40 Ft	\$13.00	\$520.00	\$12.26	\$490.40	\$12.00	\$480.00
21) Conduit, DB, 2, 3 inch	40 Ft	\$15.00	\$600.00	\$16.85	\$674.00	\$15.00	\$600.00
22) Conduit, DB, 3, 4 inch	10 Ft	\$19.00	\$190.00	\$89.35	\$893.50	\$30.00	\$300.00
23) Hh, Round	3 Ea	\$900.00	\$2,700.00	\$941.00	\$2,823.00	\$900.00	\$2,700.00
24) Wood Pole, Fit Up, Sec Cable Pole	1 Ea	\$400.00	\$400.00	\$431.00	\$431.00	\$500.00	\$500.00
25) _ Cable, Sec, 600V, 1, 2/C#4, #6 Ground, RCOC	75 Ft	\$5.00	\$375.00	\$6.31	\$473.25	\$4.00	\$300.00
26) _ Hh, Square, RCOC	1 Ea	\$1,300.00	\$1,300.00	\$1,730.00	\$1,730.00	\$3,500.00	\$3,500.00
27) Controller Fdn, Base Mount	1 Ea	\$2,000.00	\$2,000.00	\$1,368.00	\$1,368.00	\$1,500.00	\$1,500.00
28) Pushbutton and Sign	4 Ea	\$400.00	\$1,600.00	\$414.00	\$1,656.00	\$700.00	\$2,800.00
29) Serv Disconnect	1 Ea	\$900.00	\$900.00	\$923.00	\$923.00	\$800.00	\$800.00
30) TS, One Way Span Wire Mtd (LED)	8 Ea	\$900.00	\$7,200.00	\$902.00	\$7,216.00	\$900.00	\$7,200.00
31) TS, One Way Span Wire Mtd, FYA (LED)	2 Ea	\$1,000.00	\$2,000.00	\$1,046.00	\$2,092.00	\$1,200.00	\$2,400.00
32) TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	4 Ea	\$1,200.00	\$4,800.00	\$1,344.00	\$5,376.00	\$1,300.00	\$5,200.00
33) _ Bottom Tether Wire, RCOC	1 Ea	\$1,500.00	\$1,500.00	\$2,007.00	\$2,007.00	\$2,000.00	\$2,000.00
34) _ Bracket Arm, 18 foot, RCOC	4 Ea	\$1,000.00	\$4,000.00	\$539.00	\$2,156.00	\$700.00	\$2,800.00
35) _ Case Sign, One Way, 24 inch by 30 inch, Non-Illuminated, RCOC	2 Ea	\$1,000.00	\$2,000.00	\$0.01	\$0.02	\$1,500.00	\$3,000.00
36) _ Controller and Cabinet, Digital Type, Delivered, RCOC	1 Ea	\$2,500.00	\$2,500.00	\$15,695.00	\$15,695.00	\$20,000.00	\$20,000.00
37) _ Controller and Cabinet, Digital Type, RCOC	1 Ea	\$14,000.00	\$14,000.00	\$746.00	\$746.00	\$800.00	\$800.00
38) _ Optical Priority Control System, RCOC	1 Ea	\$5,500.00	\$5,500.00	\$4,616.00	\$4,616.00	\$4,000.00	\$4,000.00
39) _ Pushbutton Support Post, RCOC	4 Ea	\$500.00	\$2,000.00	\$760.00	\$3,040.00	\$400.00	\$1,600.00
40) _ Span Wire, Box, RCOC	1 Ea	\$2,000.00	\$2,000.00	\$2,463.00	\$2,463.00	\$2,000.00	\$2,000.00
41) _ Strain Pole, Steel, Anchor Base, 30 foot, RCOC	4 Ea	\$4,000.00	\$16,000.00	\$3,650.00	\$14,600.00	\$4,500.00	\$18,000.00
42) _ Strain Pole, Steel, Anchor Fdn, RCOC	4 Ea	\$2,500.00	\$10,000.00	\$2,879.00	\$11,516.00	\$3,250.00	\$13,000.00
43) _ Thermal Detection Camera, RCOC	4 Ea	\$5,000.00	\$20,000.00	\$5,218.00	\$20,872.00	\$6,000.00	\$24,000.00
44) _ Thermal Detection System (MVP), RCOC	1 Ea	\$12,000.00	\$12,000.00	\$13,705.00	\$13,705.00	\$13,000.00	\$13,000.00
45) Crew Days - D3	640 \$/day	20	\$12,800.00	20	\$12,800.00	14	\$8,960.00
TOTAL DIVISION 3:			<u>\$178,743.50</u>		<u>\$181,656.47</u> ¹		<u>\$194,596.35</u>

DIVISION 4 -13 Mile & Cabot							
1) Mobilization, Max 10% - D4	1 LS	\$15,890.00	\$15,890.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00
2) Digital Video Route Survey - D4	1 LS	\$1,000.00	\$1,000.00	\$400.00	\$400.00	\$500.00	\$500.00
3) Traffic Maintenance and Control - D4	1 LS	\$5,000.00	\$5,000.00	\$1,962.00	\$1,962.00	\$2,000.00	\$2,000.00
4) Curb and Gutter, Rem	195 Ft	\$10.00	\$1,950.00	\$12.00	\$2,340.00	\$13.35	\$2,603.25
5) Pavt, Rem	99 Syd	\$12.00	\$1,188.00	\$18.00	\$1,782.00	\$14.00	\$1,386.00
6) Sidewalk, Rem	132 Syd	\$9.00	\$1,188.00	\$12.00	\$1,584.00	\$8.60	\$1,135.20
7) Erosion Control, Silt Fence	145 Ft	\$4.00	\$580.00	\$5.00	\$725.00	\$1.55	\$224.75
8) Aggregate Base, 6 inch	151 Syd	\$8.00	\$1,208.00	\$12.00	\$1,812.00	\$10.00	\$1,510.00
9) Aggregate Base, 8 inch	36 Syd	\$0.00	\$0.00	\$14.00	\$504.00	\$12.00	\$432.00
10) Sprinkler Head, Rem and Reset	4 Ea	\$1.00	\$4.00	\$200.00	\$800.00	\$79.00	\$316.00
11) Conc Pavt, Nonreinf, 9 inch	125 Syd	\$48.00	\$6,000.00	\$60.00	\$7,500.00	\$65.00	\$8,125.00
12) Curb and Gutter, Conc, Det F4	210 Ft	\$22.00	\$4,620.00	\$28.00	\$5,880.00	\$29.75	\$6,247.50
13) Gate Well, Cover, Adj, Add Depth	1 Ft	\$150.00	\$150.00	\$200.00	\$200.00	\$290.00	\$290.00
14) Gate Well, Cover, Adj	2 Ea	\$300.00	\$600.00	\$650.00	\$1,300.00	\$333.00	\$666.00
15) Detectable Warning Surface	71 Ft	\$33.00	\$2,343.00	\$60.00	\$4,260.00	\$48.00	\$3,408.00
16) Sidewalk Ramp, Conc, 6 inch	488 Sft	\$5.00	\$2,440.00	\$6.00	\$2,928.00	\$5.20	\$2,537.60
17) Sidewalk, Conc, 4 inch	813 Sft	\$5.00	\$4,065.00	\$6.00	\$4,878.00	\$4.55	\$3,699.15
18) Sign, Type III, Rem	3 Ea	\$20.00	\$60.00	\$100.00	\$300.00	\$75.00	\$225.00
19) Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	543 Ft	\$5.00	\$2,715.00	\$3.00	\$1,629.00	\$3.00	\$1,629.00
20) Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	146 Ft	\$9.00	\$1,314.00	\$12.00	\$1,752.00	\$12.00	\$1,752.00
21) Pavt Mrkg, Polyurea, 4 inch, White	80 Ft	\$5.00	\$400.00	\$3.00	\$240.00	\$3.00	\$240.00
22) Rem Spec Mrkg	753 Sft	\$2.50	\$1,882.50	\$1.50	\$1,129.50	\$1.50	\$1,129.50
23) Relocate Sign	1 Ea	\$50.00	\$50.00	\$400.00	\$400.00	\$300.00	\$300.00
24) Conduit, DB, 1, 1 1/4 inch	75 Ft	\$11.00	\$825.00	\$13.47	\$1,010.25	\$8.00	\$600.00
25) Conduit, DB, 1, 3 inch	320 Ft	\$13.00	\$4,160.00	\$9.71	\$3,107.20	\$12.00	\$3,840.00
26) Conduit, DB, 2, 3 inch	40 Ft	\$15.00	\$600.00	\$16.85	\$674.00	\$15.00	\$600.00
27) Conduit, DB, 3, 4 inch	15 Ft	\$19.00	\$285.00	\$63.86	\$957.90	\$30.00	\$450.00
28) Hh, Round	6 Ea	\$900.00	\$5,400.00	\$941.00	\$5,646.00	\$900.00	\$5,400.00
29) Wood Pole, Fit Up, Sec Cable Pole	1 Ea	\$400.00	\$400.00	\$431.00	\$431.00	\$500.00	\$500.00
30) Conduit, Directional Bore, 1, 3 inch	40 Ft	\$25.00	\$1,000.00	\$44.83	\$1,793.20	\$40.00	\$1,600.00
31) Conduit, Directional Bore, 1, 4 inch	100 Ft	\$30.00	\$3,000.00	\$32.65	\$3,265.00	\$45.00	\$4,500.00
32) _ Cable, Sec, 600V, 1, 2/C#4, #6 Ground, RCOC	550 Ft	\$5.00	\$2,750.00	\$6.31	\$3,470.50	\$4.00	\$2,200.00
33) _ Hh, Square, RCOC	1 Ea	\$1,300.00	\$1,300.00	\$1,730.00	\$1,730.00	\$3,500.00	\$3,500.00
34) Controller Fdn, Base Mount	1 Ea	\$2,000.00	\$2,000.00	\$1,368.00	\$1,368.00	\$1,500.00	\$1,500.00
35) Pushbutton and Sign	4 Ea	\$400.00	\$1,600.00	\$427.00	\$1,708.00	\$700.00	\$2,800.00
36) Serv Disconnect	1 Ea	\$900.00	\$900.00	\$923.00	\$923.00	\$800.00	\$800.00
37) TS, One Way Span Wire Mtd (LED)	6 Ea	\$900.00	\$5,400.00	\$912.00	\$5,472.00	\$900.00	\$5,400.00
38) TS, One Way Span Wire Mtd, FYA (LED)	2 Ea	\$1,000.00	\$2,000.00	\$1,076.00	\$2,152.00	\$1,200.00	\$2,400.00
39) TS, One Way Span Wire Mtd, Five Sect (LED)	2 Ea	\$1,100.00	\$2,200.00	\$1,371.00	\$2,742.00	\$1,200.00	\$2,400.00
40) TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	4 Ea	\$1,200.00	\$4,800.00	\$1,355.00	\$5,420.00	\$1,300.00	\$5,200.00
41) _ Bottom Tether Wire, RCOC	1 Ea	\$1,500.00	\$1,500.00	\$1,772.00	\$1,772.00	\$2,000.00	\$2,000.00
42) _ Bracket Arm, 18 foot, RCOC	4 Ea	\$1,000.00	\$4,000.00	\$539.00	\$2,156.00	\$700.00	\$2,800.00
43) _ Case Sign, One Way, 24 inch by 30 inch, Non-Illuminated, RCOC	2 Ea	\$1,000.00	\$2,000.00	\$1,028.00	\$2,056.00	\$1,500.00	\$3,000.00
44) _ Controller and Cabinet, Digital Type, Delivered, RCOC	1 Ea	\$2,500.00	\$2,500.00	\$15,695.00	\$15,695.00	\$20,000.00	\$20,000.00
45) _ Controller and Cabinet, Digital Type, RCOC	1 Ea	\$14,000.00	\$14,000.00	\$746.00	\$746.00	\$800.00	\$800.00
46) _ Optical Priority Control System, RCOC	1 Ea	\$5,500.00	\$5,500.00	\$4,616.00	\$4,616.00	\$4,000.00	\$4,000.00
47) _ Pushbutton Support Post, RCOC	4 Ea	\$500.00	\$2,000.00	\$760.00	\$3,040.00	\$400.00	\$1,600.00
48) _ Span Wire, Box, RCOC	1 Ea	\$2,000.00	\$2,000.00	\$2,083.00	\$2,083.00	\$2,000.00	\$2,000.00
49) _ Strain Pole, Steel, Anchor Base, 40 foot, RCOC	4 Ea	\$4,500.00	\$18,000.00	\$4,305.00	\$17,220.00	\$5,500.00	\$22,000.00
50) _ Strain Pole, Steel, Anchor Fdn, RCOC	4 Ea	\$2,500.00	\$10,000.00	\$3,404.00	\$13,616.00	\$3,250.00	\$13,000.00
51) _ Thermal Detection Camera, RCOC	4 Ea	\$5,000.00	\$20,000.00	\$5,218.00	\$20,872.00	\$6,000.00	\$24,000.00
52) _ Thermal Detection System (MVP), RCOC	1 Ea	\$12,000.00	\$12,000.00	\$13,705.00	\$13,705.00	\$13,000.00	\$13,000.00
53) Crew Days - D4	640 \$/day	20	\$12,800.00	24	\$15,360.00	14	\$8,960.00
TOTAL DIVISION 4:			<u>\$199,567.50</u>		<u>\$209,112.55</u>		<u>\$221,205.95</u>
TOTAL BID AMOUNT:			<u>\$582,157.50</u>		<u>\$583,234.61</u>		<u>\$621,130.25</u>

ADDITIONAL BIDDERS

Dan's Excavating, Inc. (Bidder submitted incomplete bid)

CORRECTIONS

¹ Bidder's summation error was corrected

**Total Includes
Crew Days
\$193,752.55
without crew days**