



CITY of NOVI CITY COUNCIL

**Agenda Item 4
April 1, 2019**

SUBJECT: Approval to award the construction contract for the Crescent Boulevard (NW Ring Road) and the Industrial Spur Road Construction project to Toebe Construction, LLC, in the amount of \$4,720,600.01, subject to final review as to form, including any required minor amendments as approved by the City Manager and City Attorney's Office, and amend the budget.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

CITY MANAGER APPROVAL: *[Signature]* PA

EXPENDITURE REQUIRED	\$ 4,720,600.01
AMOUNT BUDGETED	\$ 118,820 Major Street Fund \$ 3,966,256 Corridor Improvement Authority \$ 4,085,076
APPROPRIATION REQUIRED	\$ 1,700,000 Major Street Fund
LINE ITEM NUMBER	202-202.00-865.260 Major Street Fund 246-202.00-865.260 Corridor Improvement Authority

BACKGROUND INFORMATION:

Crescent Boulevard design plans were originally completed in 2010. In early 2019, the City's Consultant Engineer, AECOM updated the design plans to adhere to the current Michigan Department of Transportation (MDOT) and the American Association of State Highway and Transportation Officials (AASHTO) design and construction standards. The City has an active MDEQ permit with the deadline of the beginning of June 2020 to begin construction. The MDEQ permit cannot be extended and would require a new application submittal if the proposed work within the Middle Rouge is not completed by July 1, 2020. The project features a 1,050-foot-long, four-lane boulevard extension from the intersection of Grand River Avenue to the intersection of future Adell Center Drive and the construction of a 650-foot-long industrial spur road to service the Comau Industrial Facility. The industrial spur road would also provide improved access to the General Filters site. As part of this project, there will also be rehabilitation work to replace deteriorated concrete pavement just west of Novi Road along existing Crescent Boulevard.

Engineering staff advertised the plans for public bids on February 20, 2019. Following the solicitation period, three (3) bids were received and opened on March 13, 2019. The bid submitted by Toebe Construction, LLC, is recommended as being in the best interest of the City as it is responsive and complies with all of the requirements of the bidding instructions. Attached in the packet are the award recommendation letter and bid tabulation. The summary of the bid tabulation is as follows:

Contractor	Base Bid (including Crew Days)*
Toebe Construction, LLC	\$ 4,835,050.01**
Z Contractors, Inc.	\$ 5,720,627.17**
Dan's Excavating, Inc.	\$ 6,933,311.50**

***Crew Days are included to compare bids, but are not included in the award.**

****The Pay items for the Automatic Sliding Gate and Fence Gate, Special are also shown to compare bids, but have been eliminated from the bid award.**

The construction engineering services award associated with this project is proposed elsewhere on this agenda. The northerly limits of the road construction are planned to be completed by July 2019. It is anticipated the project will be substantially completed by November 2019.

RECOMMENDED ACTION: Approval to award the construction contract for the Crescent Boulevard (NW Ring Road) and the Industrial Spur Road Construction project to Toebe Construction, LLC, in the amount of \$4,720,600.01, subject to final review as to form, including any required minor amendments as approved by the City Manager and City Attorney's Office, and amend the budget.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED that the following Budget Amendment for the Crescent Blvd Reconstruction (Novi Road/Grand River Avenue intersection bypass) - aka Northwest Quadrant Ring Road Project is authorized:

	INCREASE (DECREASE)
MAJOR STREET FUND	
REVENUES	
Transfers In	1,700,000
TOTAL REVENUES	\$ 1,700,000
APPROPRIATIONS	
Capital Outlay	1,700,000
TOTAL APPROPRIATIONS	\$ 1,700,000
Net Increase (Decrease) to Fund Balance	\$ -
MUNICIPAL STREET FUND	
APPROPRIATIONS	
Transfers Out	1,700,000
TOTAL APPROPRIATIONS	\$ 1,700,000
Net Increase (Decrease) to Fund Balance	\$ (1,700,000)

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi at a regular meeting held on April 1, 2019

Cortney Hanson
City Clerk

Crescent Boulevard & Industrial Spur Construction

Location Map



Map Author: Joseph Akers
Date: March 13, 2019
Project: Crescent Boulevard & Industrial Spur
Version: 1

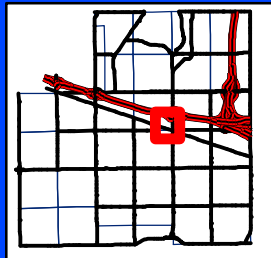
Amended By:
Date:
Department:

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.

Legend

 New Road Construction



City of Novi

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



1 inch = 429 feet





March 14, 2019
Mr. Joseph Akers
City of Novi
Engineering Department
26300 Lee BeGole Drive
Novi, MI 48375

Reference: Bid Analysis and Contract Award Recommendation
Crescent Blvd. and Industrial Spur Construction
AECOM Project Number 12941940

Dear Mr. Akers:

Attached is the Bid Tabulation for the above referenced project. Three bids were received and opened on March 13, 2019. Competition appears to have been very good. No irregularities are noted in the bids.

The low bid is over the Engineer's Estimate. We believe the primary reason for this is that the interim completion date added to the project affected the prices more than the 10% construction contingency included in the engineer's estimate to account for schedule and access issues.

Rebidding of the project would likely not result in lower bids and would jeopardize completing the contract based on expiring easements within the corridor.

Toebe Construction, LLC, the low bidder, has completed similar projects for the city and is one of the largest contractors in the state. We have worked with Toebe on numerous projects and they have performed well. Their bonding company listed in the Statement of Qualifications has an AM Best rating that exceeds the minimum requirements.

We recommend award of contract to Toebe Construction, LLC for \$4,720,600.01. This award amount excludes the pay items for Fence Gate, Special and Automatic Sliding Gate. The amount bid for Inspection (Crew Days) is also not included in the award amount.

Please feel free to contact me if you need anything else or wish to discuss the project.

Sincerely,

A handwritten signature in blue ink that reads 'Sean Kelsch'.

Sean Kelsch, P.E.
Project Manager

cc: Mark Koskinen, AECOM

**City of Novi
Crescent Blvd. & Industrial Spur Construction
Tabulation of Bids
3/13/2019**

Item No.	Item Description	Unit	Total Quantity	Engineers Estimate		1 Toebe Construction, LLC		2 Z Contractors, Inc		3 Dan's Excavating, Inc.	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
1	Mobilization (10%)	LSUM	1	\$ 376,787.01	\$ 376,787.01	\$ 301,000.00	\$ 301,000.00	\$ 560,000.00	\$ 560,000.00	\$ 680,000.00	\$ 680,000.00
2	Pre-Construction Audio-Visual	LSUM	1	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 1,150.00	\$ 1,150.00	\$ 4,500.00	\$ 4,500.00
3	Maintaining Traffic	LSUM	1	\$ 15,000.00	\$ 15,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 125,500.00	\$ 125,500.00
4	Maintaining Stream Flow	LSUM	1	\$ 25,000.00	\$ 25,000.00	\$ 0.01	\$ 0.01	\$ 5,000.00	\$ 5,000.00	\$ 27,500.00	\$ 27,500.00
5	Tree Protection	Ea	5	\$ 125.00	\$ 625.00	\$ 275.00	\$ 1,375.00	\$ 200.00	\$ 1,000.00	\$ 100.00	\$ 500.00
6	Stump Removal, Special	Acre	4	\$ 20,000.00	\$ 80,000.00	\$ 6,500.00	\$ 26,000.00	\$ 5,000.00	\$ 20,000.00	\$ 3,000.00	\$ 12,000.00
7	Pavt, Rem	Syd	2,549	\$ 5.00	\$ 12,745.00	\$ 10.00	\$ 25,490.00	\$ 6.50	\$ 16,568.50	\$ 11.00	\$ 28,039.00
8	Sidewalk, Rem	Syd	117	\$ 5.00	\$ 585.00	\$ 10.00	\$ 1,170.00	\$ 9.00	\$ 1,053.00	\$ 9.00	\$ 1,053.00
9	Fence, Rem	Ft	132	\$ 4.00	\$ 528.00	\$ 3.00	\$ 396.00	\$ 5.00	\$ 660.00	\$ 15.00	\$ 1,980.00
10	Curb and Gutter, Rem	Ft	82	\$ 7.00	\$ 574.00	\$ 10.00	\$ 820.00	\$ 7.00	\$ 574.00	\$ 20.00	\$ 1,640.00
11	Culv End, Rem, Less than 24 inch	Ea	1	\$ 300.00	\$ 300.00	\$ 250.00	\$ 250.00	\$ 320.00	\$ 320.00	\$ 250.00	\$ 250.00
12	Excavation, Earth	Cyd	12,687	\$ 7.00	\$ 88,809.00	\$ 17.00	\$ 215,679.00	\$ 17.00	\$ 215,679.00	\$ 14.50	\$ 183,961.50
13	Embankment, CIP, CI III	Cyd	13,983	\$ 12.00	\$ 167,796.00	\$ 26.00	\$ 363,558.00	\$ 24.00	\$ 335,592.00	\$ 16.25	\$ 227,223.75
14	Subgrade Undercutting, Special	Cyd	2,000	\$ 25.00	\$ 50,000.00	\$ 58.00	\$ 116,000.00	\$ 34.40	\$ 68,800.00	\$ 36.50	\$ 73,000.00
15	6A Crushed Limestone	Cyd	1,000	\$ 40.00	\$ 40,000.00	\$ 56.00	\$ 56,000.00	\$ 32.00	\$ 32,000.00	\$ 36.50	\$ 36,500.00
16	Tensar TX5 Geogrid	Syd	10,632	\$ 3.50	\$ 37,212.00	\$ 6.50	\$ 69,108.00	\$ 5.00	\$ 53,160.00	\$ 4.25	\$ 45,186.00
17	Silt Fence	Ft	2,000	\$ 1.75	\$ 3,500.00	\$ 3.50	\$ 7,000.00	\$ 2.50	\$ 5,000.00	\$ 3.00	\$ 6,000.00
18	Curb and Gutter Inlet Filter	Ea	32	\$ 150.00	\$ 4,800.00	\$ 150.00	\$ 4,800.00	\$ 120.00	\$ 3,840.00	\$ 100.00	\$ 3,200.00
19	Aggregate Base, 21AA, Limestone, 8 inch	Syd	9,632	\$ 10.00	\$ 96,320.00	\$ 15.00	\$ 144,480.00	\$ 10.30	\$ 99,209.60	\$ 17.00	\$ 163,744.00
20	Concrete Pavement w/Integral Curb, Non-Reinf, 9-inch	Syd	8,912	\$ 75.00	\$ 668,400.00	\$ 56.50	\$ 503,528.00	\$ 44.09	\$ 392,930.08	\$ 44.25	\$ 394,356.00
21	Driveway, Nonreinf Conc, 8 inch	Syd	596	\$ 70.00	\$ 41,720.00	\$ 52.00	\$ 30,992.00	\$ 59.34	\$ 35,366.64	\$ 59.50	\$ 35,462.00
22	Lane Tie, Epoxy Anchored	Ea	150	\$ 6.00	\$ 900.00	\$ 10.00	\$ 1,500.00	\$ 6.50	\$ 975.00	\$ 6.50	\$ 975.00
23	Sewer, 12 inch, Tr Det B	Ft	1,445	\$ 55.00	\$ 79,475.00	\$ 65.00	\$ 93,925.00	\$ 75.00	\$ 108,375.00	\$ 76.00	\$ 109,820.00
24	Sewer, 15 inch, Tr Det B	Ft	81	\$ 60.00	\$ 4,860.00	\$ 100.00	\$ 8,100.00	\$ 80.00	\$ 6,480.00	\$ 91.00	\$ 7,371.00
25	Sewer, 18 inch, Tr Det B	Ft	179	\$ 65.00	\$ 11,635.00	\$ 85.00	\$ 15,215.00	\$ 83.00	\$ 14,857.00	\$ 114.00	\$ 20,406.00
26	Video Taping Sewer and Culv Pipe	Ft	300	\$ 1.75	\$ 525.00	\$ 4.00	\$ 1,200.00	\$ 3.50	\$ 1,050.00	\$ 6.00	\$ 1,800.00
27	Culv End Sect, 18 inch	Ea	1	\$ 1,000.00	\$ 1,000.00	\$ 900.00	\$ 900.00	\$ 2,000.00	\$ 2,000.00	\$ 1,500.00	\$ 1,500.00
28	Dr Structure, 24 inch dia	Ea	4	\$ 1,500.00	\$ 6,000.00	\$ 1,800.00	\$ 7,200.00	\$ 1,700.00	\$ 6,800.00	\$ 3,200.00	\$ 12,800.00
29	Dr Structure, 48 inch dia	Ea	22	\$ 2,000.00	\$ 44,000.00	\$ 2,500.00	\$ 55,000.00	\$ 2,000.00	\$ 44,000.00	\$ 3,900.00	\$ 85,800.00
30	Dr Structure, 60 inch dia	Ea	2	\$ 3,000.00	\$ 6,000.00	\$ 3,000.00	\$ 6,000.00	\$ 2,800.00	\$ 5,600.00	\$ 5,100.00	\$ 10,200.00
31	Hydrodynamic Separator, AS-4	Ea	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 34,000.00	\$ 34,000.00
32	Dr Structure, Add Depth of 48 inch dia, 8 feet to 15 feet	Ft	3	\$ 80.00	\$ 240.00	\$ 395.00	\$ 1,185.00	\$ 200.00	\$ 600.00	\$ 0.01	\$ 0.03
33	Dr Structure, Add Depth of 60 inch dia, 8 feet to 15 feet	Ft	3	\$ 110.00	\$ 330.00	\$ 500.00	\$ 1,500.00	\$ 280.00	\$ 840.00	\$ 0.01	\$ 0.03
34	Dr Structure Cover, Type B	Ea	7	\$ 350.00	\$ 2,450.00	\$ 745.00	\$ 5,215.00	\$ 425.00	\$ 2,975.00	\$ 700.00	\$ 4,900.00
35	Dr Structure Cover, Type K	Ea	21	\$ 350.00	\$ 7,350.00	\$ 955.00	\$ 20,055.00	\$ 625.00	\$ 13,125.00	\$ 800.00	\$ 16,800.00
36	Dr Structure Cover, Adj, Case 2	Ea	3	\$ 350.00	\$ 1,050.00	\$ 440.00	\$ 1,320.00	\$ 400.00	\$ 1,200.00	\$ 700.00	\$ 2,100.00
37	Underdrain, Open-Graded, 6 inch	Ft	3,210	\$ 8.00	\$ 25,680.00	\$ 11.00	\$ 35,310.00	\$ 18.00	\$ 57,780.00	\$ 11.00	\$ 35,310.00
38	Underdrain, Fdn, 6 inch	Ft	1,090	\$ 5.00	\$ 5,450.00	\$ 10.00	\$ 10,900.00	\$ 6.50	\$ 7,085.00	\$ 7.00	\$ 7,630.00
39	Underdrain Outlet, 6 inch	Ft	70	\$ 11.00	\$ 770.00	\$ 12.50	\$ 875.00	\$ 72.00	\$ 5,040.00	\$ 17.00	\$ 1,190.00
40	Underdrain Outlet Ending, 6 inch	Ea	7	\$ 150.00	\$ 1,050.00	\$ 137.00	\$ 959.00	\$ 210.00	\$ 1,470.00	\$ 250.00	\$ 1,750.00
41	DPS Structure Cover, Adj, Case 1	Ea	1	\$ 500.00	\$ 500.00	\$ 550.00	\$ 550.00	\$ 1,060.00	\$ 1,060.00	\$ 1,200.00	\$ 1,200.00

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				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
42	DPS Structure Cover, Adj, Case 2	Ea	1	\$ 500.00	\$ 500.00	\$ 440.00	\$ 440.00	\$ 550.00	\$ 550.00	\$ 1,200.00	\$ 1,200.00
43	Dr Structure, Tap, 12 inch	Ea	1	\$ 250.00	\$ 250.00	\$ 525.00	\$ 525.00	\$ 800.00	\$ 800.00	\$ 1,000.00	\$ 1,000.00
44	Remove and Reset Sprinkler Heads	Ea	10	\$ 35.00	\$ 350.00	\$ 90.00	\$ 900.00	\$ 60.00	\$ 600.00	\$ 125.00	\$ 1,250.00
45	Sprinkler Piping	Ft	300	\$ 2.00	\$ 600.00	\$ 7.50	\$ 2,250.00	\$ 5.00	\$ 1,500.00	\$ 3.00	\$ 900.00
46	Curb and Gutter, Conc, Det F4	Ft	20	\$ 35.00	\$ 700.00	\$ 30.00	\$ 600.00	\$ 32.00	\$ 640.00	\$ 32.00	\$ 640.00
47	Sidewalk, Conc, 4 inch	Sft	9,274	\$ 5.00	\$ 46,370.00	\$ 4.00	\$ 37,096.00	\$ 4.50	\$ 41,733.00	\$ 5.00	\$ 46,370.00
48	Sidewalk, Conc, 8 inch	Sft	385	\$ 8.00	\$ 3,080.00	\$ 5.75	\$ 2,213.75	\$ 6.56	\$ 2,525.60	\$ 8.00	\$ 3,080.00
49	Sidewalk Ramp, Conc, 6 inch	Sft	1,043	\$ 6.00	\$ 6,258.00	\$ 5.75	\$ 5,997.25	\$ 7.20	\$ 7,509.60	\$ 7.00	\$ 7,301.00
50	Detectable Warning Surface	Ft	67	\$ 80.00	\$ 5,360.00	\$ 35.00	\$ 2,345.00	\$ 32.00	\$ 2,144.00	\$ 32.00	\$ 2,144.00
51	Slope Restoration, Type A	Syd	1,000	\$ 3.00	\$ 3,000.00	\$ 5.75	\$ 5,750.00	\$ 9.75	\$ 9,750.00	\$ 4.00	\$ 4,000.00
52	Slope Restoration, Type B	Syd	4,000	\$ 4.00	\$ 16,000.00	\$ 7.25	\$ 29,000.00	\$ 9.75	\$ 39,000.00	\$ 5.00	\$ 20,000.00
53	Slope Restoration, Type C	Syd	500	\$ 5.00	\$ 2,500.00	\$ 8.50	\$ 4,250.00	\$ 9.75	\$ 4,875.00	\$ 5.50	\$ 2,750.00
54	Riprap, Plain, Mod	Syd	411	\$ 75.00	\$ 30,825.00	\$ 80.00	\$ 32,880.00	\$ 75.00	\$ 30,825.00	\$ 100.00	\$ 41,100.00
55	Backfill, Structure, CIP	Cyd	3,225	\$ 19.00	\$ 61,275.00	\$ 37.00	\$ 119,325.00	\$ 33.00	\$ 106,425.00	\$ 37.00	\$ 119,325.00
56	Aggregate, 6A	Cyd	86	\$ 35.00	\$ 3,010.00	\$ 65.00	\$ 5,590.00	\$ 65.00	\$ 5,590.00	\$ 100.00	\$ 8,600.00
57	Excavation, Fdn	Cyd	1,480	\$ 12.00	\$ 17,760.00	\$ 24.00	\$ 35,520.00	\$ 25.00	\$ 37,000.00	\$ 17.00	\$ 25,160.00
58	Pile Driving Equipment, Furn	LSUM	1	\$ 13,000.00	\$ 13,000.00	\$ 25,000.00	\$ 25,000.00	\$ 410,000.00	\$ 410,000.00	\$ 265,160.00	\$ 265,160.00
59	Pile, Steel, Furn and Driven, 12 inch	Ft	1,300	\$ 32.00	\$ 41,600.00	\$ 50.00	\$ 65,000.00	\$ 60.00	\$ 78,000.00	\$ 44.00	\$ 57,200.00
60	Test Pile, Steel, 12 inch	Ea	4	\$ 1,000.00	\$ 4,000.00	\$ 2,500.00	\$ 10,000.00	\$ 600.00	\$ 2,400.00	\$ 1,015.00	\$ 4,060.00
61	Prebore, Fdn, Piling	Ft	60	\$ 100.00	\$ 6,000.00	\$ 100.00	\$ 6,000.00	\$ 30.00	\$ 1,800.00	\$ 80.00	\$ 4,800.00
62	Substructure Conc	Cyd	167	\$ 550.00	\$ 91,850.00	\$ 549.00	\$ 91,683.00	\$ 800.00	\$ 133,600.00	\$ 1,600.00	\$ 267,200.00
63	Conc, Grade T	Cyd	130	\$ 215.00	\$ 27,950.00	\$ 200.00	\$ 26,000.00	\$ 180.00	\$ 23,400.00	\$ 290.00	\$ 37,700.00
64	Conc, Grade S2	Cyd	662	\$ 450.00	\$ 297,900.00	\$ 600.00	\$ 397,200.00	\$ 900.00	\$ 595,800.00	\$ 850.00	\$ 562,700.00
65	Cofferdams, Left in Place	LSUM	1	\$ 81,000.00	\$ 81,000.00	\$ 300,000.00	\$ 300,000.00	\$ 290,000.00	\$ 290,000.00	\$ 470,000.00	\$ 470,000.00
66	Culv, Precast Three-Sided or Arch, 24 foot by 8 foot	Ft	97	\$ 1,900.00	\$ 184,300.00	\$ 1,950.00	\$ 189,150.00	\$ 2,100.00	\$ 203,700.00	\$ 7,300.00	\$ 708,100.00
67	Reinforcement, Steel, Epoxy Coated	Lb	60,200	\$ 1.10	\$ 66,220.00	\$ 1.35	\$ 81,270.00	\$ 1.20	\$ 72,240.00	\$ 1.25	\$ 75,250.00
68	Steel Sheet Piling, Permanent	Sft	18,770	\$ 35.00	\$ 656,950.00	\$ 28.00	\$ 525,560.00	\$ 38.00	\$ 713,260.00	\$ 46.50	\$ 872,805.00
69	Shear Developers	LSUM	1	\$ 25,000.00	\$ 25,000.00	\$ 30,000.00	\$ 30,000.00	\$ 22,500.00	\$ 22,500.00	\$ 1.00	\$ 1.00
70	Bridge Railing, 4 Tube	Ft	893	\$ 200.00	\$ 178,600.00	\$ 275.00	\$ 245,575.00	\$ 265.00	\$ 236,645.00	\$ 300.00	\$ 267,900.00
71	Joint Waterproofing	Sft	650	\$ 8.00	\$ 5,200.00	\$ 7.00	\$ 4,550.00	\$ 5.00	\$ 3,250.00	\$ 4.00	\$ 2,600.00
72	Joint Waterproofing, Expansion	Sft	218	\$ 10.00	\$ 2,180.00	\$ 7.00	\$ 1,526.00	\$ 5.00	\$ 1,090.00	\$ 5.00	\$ 1,090.00
73	Fence, Chain Link, 72 inch, with 3 strands barbed wire	Ft	50	\$ 40.00	\$ 2,000.00	\$ 32.00	\$ 1,600.00	\$ 50.00	\$ 2,500.00	\$ 50.00	\$ 2,500.00
74	Fence Gate, Special	Ea	1	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 21,000.00	\$ 21,000.00	\$ 21,000.00	\$ 21,000.00
75	Automatic Sliding Gate	Ea	1	\$ 40,000.00	\$ 40,000.00	\$ 23,450.00	\$ 23,450.00	\$ 57,000.00	\$ 57,000.00	\$ 53,150.00	\$ 53,150.00
76	Conc Surface Coating	LSUM	1	\$ 10,000.00	\$ 10,000.00	\$ 8,800.00	\$ 8,800.00	\$ 8,800.00	\$ 8,800.00	\$ 10,000.00	\$ 10,000.00
77	Sign, Type II, Rem	Ea	3	\$ 12.00	\$ 36.00	\$ 10.00	\$ 30.00	\$ 20.00	\$ 60.00	\$ 20.00	\$ 60.00
78	Sign, Type III, Rem	Ea	9	\$ 12.00	\$ 108.00	\$ 10.00	\$ 90.00	\$ 15.00	\$ 135.00	\$ 15.00	\$ 135.00
79	Sign, Type II, Erect, Salv	Ea	2	\$ 50.00	\$ 100.00	\$ 75.00	\$ 150.00	\$ 60.00	\$ 120.00	\$ 60.00	\$ 120.00
80	Sign, Type III, Erect, Salv	Ea	7	\$ 40.00	\$ 280.00	\$ 75.00	\$ 525.00	\$ 55.00	\$ 385.00	\$ 55.00	\$ 385.00
81	Post, Steel, 3 Lb	Ft	362	\$ 5.00	\$ 1,810.00	\$ 7.00	\$ 2,534.00	\$ 8.10	\$ 2,932.20	\$ 8.10	\$ 2,932.20
82	Sign, Type IIIA	Sft	13	\$ 18.00	\$ 234.00	\$ 18.00	\$ 234.00	\$ 15.50	\$ 201.50	\$ 15.50	\$ 201.50

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Crescent Blvd. & Industrial Spur Construction
Tabulation of Bids
3/13/2019

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				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
83	Sign, Type IIIB	Sft	73	\$ 19.00	\$ 1,387.00	\$ 18.00	\$ 1,314.00	\$ 15.65	\$ 1,142.45	\$ 15.65	\$ 1,142.45
84	Sign, Type IIB	Sft	20	\$ 20.00	\$ 400.00	\$ 18.00	\$ 360.00	\$ 16.00	\$ 320.00	\$ 16.00	\$ 320.00
85	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	Ft	1,180	\$ 0.50	\$ 590.00	\$ 0.45	\$ 531.00	\$ 0.45	\$ 531.00	\$ 0.45	\$ 531.00
86	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	Ft	3,855	\$ 0.10	\$ 385.50	\$ 0.45	\$ 1,734.75	\$ 0.45	\$ 1,734.75	\$ 0.45	\$ 1,734.75
87	Pavt Mrkg, Sprayable Thermopl, 8 inch, White	Ft	170	\$ 0.65	\$ 110.50	\$ 0.90	\$ 153.00	\$ 0.90	\$ 153.00	\$ 0.90	\$ 153.00
88	Rem Spec Mrkg	Ft	485	\$ 0.10	\$ 48.50	\$ 2.95	\$ 1,430.75	\$ 2.95	\$ 1,430.75	\$ 2.95	\$ 1,430.75
89	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	Ft	985	\$ 0.40	\$ 394.00	\$ 0.95	\$ 935.75	\$ 0.95	\$ 935.75	\$ 0.95	\$ 935.75
90	Pavt Mrkg, Waterborne, 6 inch, Crosswalk Line	Ft	775	\$ 2.00	\$ 1,550.00	\$ 1.25	\$ 968.75	\$ 1.25	\$ 968.75	\$ 1.25	\$ 968.75
91	Pavt Mrkg, Waterborne, 18 inch, Stop Bar	Ft	215	\$ 4.00	\$ 860.00	\$ 4.00	\$ 860.00	\$ 4.00	\$ 860.00	\$ 4.00	\$ 860.00
92	Pavt Mrkg, Waterborne, Lt Turn Arrow Symbol	Ea	7	\$ 110.00	\$ 770.00	\$ 50.00	\$ 350.00	\$ 50.00	\$ 350.00	\$ 50.00	\$ 350.00
93	Pavt Mrkg, Waterborne, Rt Turn Arrow Symbol	Ea	5	\$ 110.00	\$ 550.00	\$ 50.00	\$ 250.00	\$ 50.00	\$ 250.00	\$ 50.00	\$ 250.00
94	Pavt Mrkg, Waterborne, Thru & Lt Turn Arrow Symbol	Ea	2	\$ 175.00	\$ 350.00	\$ 60.00	\$ 120.00	\$ 60.00	\$ 120.00	\$ 60.00	\$ 120.00
95	Pavt Mrkg, Waterborne, Thru Arrow Symbol	Ea	2	\$ 110.00	\$ 220.00	\$ 40.00	\$ 80.00	\$ 40.00	\$ 80.00	\$ 40.00	\$ 80.00
96	Pavt Mrkg, Waterborne, Only	Ea	7	\$ 150.00	\$ 1,050.00	\$ 50.00	\$ 350.00	\$ 50.00	\$ 350.00	\$ 50.00	\$ 350.00
97	Controller and Cabinet, Digital Type, RCOC	Ea	1	\$ 3,000.00	\$ 3,000.00	\$ 19,300.00	\$ 19,300.00	\$ 887.00	\$ 887.00	\$ 1,576.00	\$ 1,576.00
98	Controller and Cabinet, Digital type, Delivered, RCOC	Ea	1	\$ 18,000.00	\$ 18,000.00	\$ 310.00	\$ 310.00	\$ 16,900.00	\$ 16,900.00	\$ 35,000.00	\$ 35,000.00
99	Case Sign, One Way, 24 inch by 30 inch, Non-Illuminated, RCOC	Ea	4	\$ 1,500.00	\$ 6,000.00	\$ 1,304.00	\$ 5,216.00	\$ 1,304.00	\$ 5,216.00	\$ 1,338.00	\$ 5,352.00
100	Pedestal, Alum, RCOC	Ea	3	\$ 1,400.00	\$ 4,200.00	\$ 780.00	\$ 2,340.00	\$ 780.00	\$ 2,340.00	\$ 591.00	\$ 1,773.00
101	Pedestal, Fdn	Ea	3	\$ 775.00	\$ 2,325.00	\$ 826.00	\$ 2,478.00	\$ 826.00	\$ 2,478.00	\$ 975.00	\$ 2,925.00
102	Pushbutton and Sign	Ea	4	\$ 600.00	\$ 2,400.00	\$ 557.00	\$ 2,228.00	\$ 557.00	\$ 2,228.00	\$ 675.00	\$ 2,700.00
103	Serv Disconnect	Ea	2	\$ 1,100.00	\$ 2,200.00	\$ 1,039.00	\$ 2,078.00	\$ 1,039.00	\$ 2,078.00	\$ 1,000.00	\$ 2,000.00
104	Street Name Sign, Two Way, 8 foot, RCOC	Ea	3	\$ 2,500.00	\$ 7,500.00	\$ 3,069.00	\$ 9,207.00	\$ 3,069.00	\$ 9,207.00	\$ 3,500.00	\$ 10,500.00
105	Street Name Sign Bracket Arm, 10 foot, RCOC	Ea	3	\$ 900.00	\$ 2,700.00	\$ 1,333.00	\$ 3,999.00	\$ 1,333.00	\$ 3,999.00	\$ 4,000.00	\$ 12,000.00
106	Controller Fdn, Base Mount	Ea	1	\$ 2,150.00	\$ 2,150.00	\$ 1,598.00	\$ 1,598.00	\$ 1,598.00	\$ 1,598.00	\$ 3,250.00	\$ 3,250.00
107	Optical Priority Control System, RCOC	Ea	1	\$ 6,500.00	\$ 6,500.00	\$ 5,326.00	\$ 5,326.00	\$ 5,326.00	\$ 5,326.00	\$ 15,760.00	\$ 15,760.00
108	Traffic Loop, Presence (Preformed), RCOC	Ea	9	\$ 1,500.00	\$ 13,500.00	\$ 1,000.00	\$ 9,000.00	\$ 1,000.00	\$ 9,000.00	\$ 2,500.00	\$ 22,500.00
109	TS, One Way Mast Arm Mtd (LED)	Ea	8	\$ 1,150.00	\$ 9,200.00	\$ 1,064.00	\$ 8,512.00	\$ 1,064.00	\$ 8,512.00	\$ 1,250.00	\$ 10,000.00
110	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	Ea	3	\$ 1,100.00	\$ 3,300.00	\$ 1,055.00	\$ 3,165.00	\$ 1,055.00	\$ 3,165.00	\$ 1,250.00	\$ 3,750.00
111	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	Ea	1	\$ 1,600.00	\$ 1,600.00	\$ 1,576.00	\$ 1,576.00	\$ 1,576.00	\$ 1,576.00	\$ 2,000.00	\$ 2,000.00
112	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	Ea	3	\$ 1,100.00	\$ 3,300.00	\$ 1,071.00	\$ 3,213.00	\$ 1,071.00	\$ 3,213.00	\$ 1,250.00	\$ 3,750.00
113	Mast Arm Pole, Cat III	Ea	4	\$ 6,500.00	\$ 26,000.00	\$ 4,958.00	\$ 19,832.00	\$ 4,958.00	\$ 19,832.00	\$ 21,000.00	\$ 84,000.00
114	Mast Arm, 35 foot, Cat III	Ea	1	\$ 6,000.00	\$ 6,000.00	\$ 5,417.00	\$ 5,417.00	\$ 5,417.00	\$ 5,417.00	\$ 0.01	\$ 0.01
115	Mast Arm, 40 foot, Cat III	Ea	1	\$ 6,000.00	\$ 6,000.00	\$ 5,978.00	\$ 5,978.00	\$ 5,978.00	\$ 5,978.00	\$ 0.01	\$ 0.01
116	Mast Arm, 50 foot, Cat III	Ea	2	\$ 8,500.00	\$ 17,000.00	\$ 7,142.00	\$ 14,284.00	\$ 7,142.00	\$ 14,284.00	\$ 0.01	\$ 0.02
117	Mast Arm Pole Fdn, RCOC	Ft	73	\$ 500.00	\$ 36,500.00	\$ 320.00	\$ 23,360.00	\$ 320.00	\$ 23,360.00	\$ 1,222.00	\$ 89,206.00
118	Conduit, DB, 1, 1 1/4 inch	Ft	115	\$ 16.00	\$ 1,840.00	\$ 9.00	\$ 1,035.00	\$ 18.00	\$ 2,070.00	\$ 14.00	\$ 1,610.00
119	Conduit, DB, 1, 3 inch	Ft	245	\$ 15.00	\$ 3,675.00	\$ 13.00	\$ 3,185.00	\$ 25.00	\$ 6,125.00	\$ 15.00	\$ 3,675.00
120	Conduit, DB, 2, 3 inch	Ft	40	\$ 15.00	\$ 600.00	\$ 19.00	\$ 760.00	\$ 33.00	\$ 1,320.00	\$ 23.00	\$ 920.00
121	Conduit, DB, 3, 3 inch	Ft	60	\$ 20.00	\$ 1,200.00	\$ 20.00	\$ 1,200.00	\$ 29.00	\$ 1,740.00	\$ 25.00	\$ 1,500.00

**City of Novi
Crescent Blvd. & Industrial Spur Construction
Tabulation of Bids
3/13/2019**

Item No.	Item Description	Unit	Total Quantity	Engineers Estimate		1 Toebe Construction, LLC		2 Z Contractors, Inc		3 Dan's Excavating, Inc.	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
122	Conduit, DB, 3, 4 inch	Ft	15	\$ 38.00	\$ 570.00	\$ 93.00	\$ 1,395.00	\$ 69.00	\$ 1,035.00	\$ 34.00	\$ 510.00
123	Conduit, Directional Bore, 1, 4 inch, RCOC	Ft	310	\$ 30.00	\$ 9,300.00	\$ 28.00	\$ 8,680.00	\$ 30.00	\$ 9,300.00	\$ 38.00	\$ 11,780.00
124	Conduit, Directional Bore, 2, 4 inch, RCOC	Ft	100	\$ 40.00	\$ 4,000.00	\$ 38.00	\$ 3,800.00	\$ 47.00	\$ 4,700.00	\$ 40.00	\$ 4,000.00
125	Hh, Round	Ea	7	\$ 1,100.00	\$ 7,700.00	\$ 1,094.00	\$ 7,658.00	\$ 1,094.00	\$ 7,658.00	\$ 1,700.00	\$ 11,900.00
126	Hh, Square, RCOC	Ea	1	\$ 1,900.00	\$ 1,900.00	\$ 2,084.00	\$ 2,084.00	\$ 2,084.00	\$ 2,084.00	\$ 3,000.00	\$ 3,000.00
127	Wood Pole, Fit Up, Sec Cable Pole	Ea	2	\$ 700.00	\$ 1,400.00	\$ 472.00	\$ 944.00	\$ 472.00	\$ 944.00	\$ 750.00	\$ 1,500.00
128	Cable, Sec, 600V, 1, 2/C#4 #6 Ground	Ft	400	\$ 7.00	\$ 2,800.00	\$ 8.00	\$ 3,200.00	\$ 6.85	\$ 2,740.00	\$ 12.00	\$ 4,800.00
129	Power Co. (Est. Cost to Contractor)	Dlr	1	\$ 2,000.00	\$ 2,000.00	\$ 1.00	\$ 2,000.00	\$ 1.00	\$ 2,000.00	\$ 1.00	\$ 2,000.00
130	RCOC Force Account Fees	Dlr	1	\$ 50,000.00	\$ 50,000.00	\$ 1.00	\$ 50,000.00	\$ 1.00	\$ 50,000.00	\$ 1.00	\$ 50,000.00
131	Casing	Ft	63	\$ 180.00	\$ 11,340.00	\$ 150.00	\$ 9,450.00	\$ 150.00	\$ 9,450.00	\$ 250.00	\$ 15,750.00
132	TS Face, Bag	Ea	4	\$ 150.00	\$ 600.00	\$ 85.00	\$ 340.00	\$ 85.00	\$ 340.00	\$ 225.00	\$ 900.00
133	Warning Sign	Ft	1	\$ 1,650.00	\$ 1,650.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 1,681.00	\$ 1,681.00
134	Flsh Beacon, Controller and Cabinet, Solid State	Ea	1	\$ 2,600.00	\$ 2,600.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 2,500.00	\$ 2,500.00
135	Inspection (Crew Days)	Day	\$700	170	\$ 119,000.00	125	\$ 87,500.00	185	\$ 129,500.00	170	\$ 119,000.00
	Construction Contingency (for Eng. Estimate)	LS			\$ 378,756.01						
	Total Bid				\$ 4,658,593.52		\$ 4,835,050.01		\$ 5,720,627.17		\$ 6,933,311.50
	Award Amount (See Below)						\$ 4,720,600.01				

Award Amount excludes items for Inspection (Crew Days) and also excludes pay items for Automatic Sliding Gate and Fence Gate, Special which are to be eliminated from the contract.

BID
For
Crescent Blvd. & Industrial Spur Construction

Bid of Toebe Construction LLC hereinafter called Bidder, organized and existing under the laws of or a resident of the State of Michigan, doing business as LLC *.

*Insert as applicable: "a corporation", "a partnership" or "an individual".

TO THE CITY OF NOVI, MICHIGAN, hereinafter called OWNER:

The undersigned as Bidder hereby declares: that this Bid is made in good faith without fraud or collusion with any person or persons bidding on the same Contract; that the Bidder has read and examined the Advertisement for Bids, Instructions to Bidders, Bid, General Conditions, Supplementary Conditions, Agreement, Forms of Bond, Specifications and Drawings, as prepared by the ENGINEER, and understands all of the same; that the Bidder of its representative has made personal investigation at the sites of the work and has become fully familiar with regard to the conditions to be met in the execution of this Contract, and the undersigned proposes to furnish all labor, materials, tools, power, transportation, and construction equipment necessary for the construction of the Project and performing related work in full accordance with the aforesaid Contract Documents, including any and all Addenda officially issued, their receipt of which is hereby acknowledged:

Addendum No.	Addendum Date
<u>1</u>	<u>3-8-19</u>
<u>2</u>	<u>3-11-19</u>
_____	_____



The Contract will be awarded to the lowest responsive, responsible Bidder based on the unit prices for all Work specified.

The Bidder agrees to complete the Project for the following unit prices:

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization (10%)	LSUM	1	\$301,000.00	\$ 301,000.00
2	Pre-Construction Audio-Visual	LSUM	1	\$3,000.00	\$ 3,000.00
3	Maintaining Traffic	LSUM	1	\$10,000.00	\$ 10,000.00
4	Maintaining Stream Flow	LSUM	1	\$ 0.01	\$ 0.01
5	Tree Protection	Ea	5	\$ 275.00	\$ 1,375.00
6	Stump Removal, Special	Acre	4	\$6,500.00	\$ 26,000.00
7	Pavt, Rem	Syd	2,549	\$ 10.00	\$ 25,490.00
8	Sidewalk, Rem	Syd	117	\$ 10.00	\$ 1,170.00
9	Fence, Rem	Ft	132	\$ 3.00	\$ 396.00
10	Curb and Gutter, Rem	Ft	82	\$ 10.00	\$ 820.00
11	Culv End, Rem, Less than 24 inch	Ea	1	\$ 250.00	\$ 250.00
12	Excavation, Earth	Cyd	12,687	\$ 17.00	\$ 215,679.00
13	Embankment, CIP, Cl III	Cyd	13,983	\$ 26.00	\$ 363,558.00
14	Subgrade Undercutting, Special	Cyd	2,000	\$ 58.00	\$ 116,000.00
15	6A Crushed Limestone	Cyd	1,000	\$ 56.00	\$ 56,000.00
16	Tensar TX5 Geogrid	Syd	10,632	\$ 6.50	\$ 69,108.00
17	Silt Fence	Ft	2,000	\$ 3.50	\$ 7,000.00
18	Curb and Gutter Inlet Filter	Ea	32	\$ 150.00	\$ 4,800.00
19	Aggregate Base, 21AA, Limestone, 8 inch	Syd	9,632	\$ 15.00	\$ 144,480.00
20	Concrete Pavement w/Integral Curb, Non-Reinf, 9-inch	Syd	8,912	\$ 56.50	\$ 503,528.00
21	Driveway, Nonreinf Conc, 8 inch	Syd	596	\$ 52.00	\$ 30,992.00
22	Lane Tie, Epoxy Anchored	Ea	150	\$ 10.00	\$ 1,500.00
23	Sewer, 12 inch, Tr Det B	Ft	1,445	\$ 65.00	\$ 93,925.00
24	Sewer, 15 inch, Tr Det B	Ft	81	\$ 100.00	\$ 8,100.00



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Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
25	Sewer, 18 inch, Tr Det B	Ft	179	\$ 85.00	\$15,215.00
26	Video Taping Sewer and Culv Pipe	Ft	300	\$ 4.00	\$ 1,200.00
27	Culv End Sect, 18 inch	Ea	1	\$ 900.00	\$ 900.00
28	Dr Structure, 24 inch dia	Ea	4	\$1,800.00	\$ 7,200.00
29	Dr Structure, 48 inch dia	Ea	22	\$2,500.00	\$55,000.00
30	Dr Structure, 60 inch dia	Ea	2	\$ 3,000.00	\$ 6,000.00
31	Hydrodynamic Separator, AS-4	Ea	1	\$20,000.00	\$ 20,000.00
32	Dr Structure, Add Depth of 48 inch dia, 8 feet to 15 feet	Ft	3	\$ 395.00	\$ 1,185.00
33	Dr Structure, Add Depth of 60 inch dia, 8 feet to 15 feet	Ft	3	\$ 500.00	\$ 1,500.00
34	Dr Structure Cover, Type B	Ea	7	\$745.00	\$ 5,215.00
35	Dr Structure Cover, Type K	Ea	21	\$955.00	\$ 20,055.00
36	Dr Structure Cover, Adj, Case 2	Ea	3	\$ 440.00	\$ 1,320.00
37	Underdrain, Open-Graded, 6 inch	Ft	3,210	\$ 11.00	\$35,310.00
38	Underdrain, Fdn, 6 inch	Ft	1,090	\$ 10.00	\$ 10,900.00
39	Underdrain Outlet, 6 inch	Ft	70	\$12.50	\$ 875.00
40	Underdrain Outlet Ending, 6 inch	Ea	7	\$137.00	\$ 959.00
41	DPS Structure Cover, Adj, Case 1	Ea	1	\$ 550.00	\$ 550.00
42	DPS Structure Cover, Adj, Case 2	Ea	1	\$ 440.00	\$ 440.00
43	Dr Structure, Tap, 12 inch	Ea	1	\$ 525.00	\$ 525.00
44	Remove and Reset Sprinkler Heads	Ea	10	\$ 90.00	\$ 900.00
45	Sprinkler Piping	Ft	300	\$ 7.50	\$ 2,250.00
46	Curb and Gutter, Conc, Det F4	Ft	20	\$ 30.00	\$ 600.00
47	Sidewalk, Conc, 4 inch	Sft	9,274	\$ 4.00	\$ 37,096.00
48	Sidewalk, Conc, 8 inch	Sft	385	\$ 5.75	\$ 2,213.75
49	Sidewalk Ramp, Conc, 6 inch	Sft	1,043	\$ 5.75	\$ 5,997.25
50	Detectable Warning Surface	Ft	67	\$ 35.00	\$ 2,345.00
51	Slope Restoration, Type A	Syd	1,000	\$ 5.75	\$ 5,750.00



Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
52	Slope Restoration, Type B	Syd	4,000	\$ 7.25	\$ 29,000.00
53	Slope Restoration, Type C	Syd	500	\$ 8.50	\$ 4,250.00
54	Riprap, Plain, Mod	Syd	411	\$ 80.00	\$ 32,880.00
55	Backfill, Structure, CIP	Cyd	3,225	\$ 37.00	\$ 119,325.00
56	Aggregate, 6A	Cyd	86	\$ 65.00	\$ 5,590.00
57	Excavation, Fdn	Cyd	1,480	\$ 24.00	\$ 35,520.00
58	Pile Driving Equipment, Furn	LSUM	1	\$ 25,000.00	\$ 25,000.00
59	Pile, Steel, Furn and Driven, 12 inch	Ft	1,300	\$ 50.00	\$ 65,000.00
60	Test Pile, Steel, 12 inch	Ea	4	\$ 2,500.00	\$ 10,000.00
61	Prebore, Fdn, Piling	Ft	60	\$ 100.00	\$ 6,000.00
62	Substructure Conc	Cyd	167	\$ 549.00	\$ 91,683.00
63	Conc, Grade T	Cyd	130	\$ 200.00	\$ 26,000.00
64	Conc, Grade S2	Cyd	662	\$ 600.00	\$ 397,200.00
65	Cofferdams, Left in Place	LSUM	1	\$ 300,000.00	\$ 300,000.00
66	Culv, Precast Three-Sided or Arch, 24 foot by 8 foot	Ft	97	\$ 1,950.00	\$ 189,150.00
67	Reinforcement, Steel, Epoxy Coated	Lb	60,200	\$ 1.35	\$ 81,270.00
68	Steel Sheet Piling, Permanent	Sft	18,770	\$ 28.00	\$ 525,560.00
69	Shear Developers	LSUM	1	\$ 30,000.00	\$ 30,000.00
70	Bridge Railing, 4 Tube	Ft	893	\$ 275.00	\$ 245,575.00
71	Joint Waterproofing	Sft	650	\$ 7.00	\$ 4,550.00
72	Joint Waterproofing, Expansion	Sft	218	\$ 7.00	\$ 1,526.00
73	Fence, Chain Link, 72 inch, with 3 strands barbed wire	Ft	50	\$ 32.00	\$ 1,600.00
74	Fence Gate, Special	Ea	1	\$ 3,500.00	\$ 3,500.00
75	Automatic Sliding Gate	Ea	1	\$ 23,450.00	\$ 23,450.00
76	Conc Surface Coating	LSUM	1	\$ 8,800.00	\$ 8,800.00
77	Sign, Type II, Rem	Ea	3	\$ 10.00	\$ 30.00
78	Sign, Type III, Rem	Ea	9	\$ 10.00	\$ 90.00



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Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
79	Sign, Type II, Erect, Salv	Ea	2	\$ 75.00	\$ 150.00
80	Sign, Type III, Erect, Salv	Ea	7	\$ 75.00	\$ 525.00
81	Post, Steel, 3 Lb	Ft	362	\$ 7.00	\$ 2,534.00
82	Sign, Type IIIA	Sft	13	\$ 18.00	\$ 234.00
83	Sign, Type IIIB	Sft	73	\$ 18.00	\$ 1,314.00
84	Sign, Type IIB	Sft	20	\$ 18.00	\$ 360.00
85	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	Ft	1,180	\$ 0.45	\$ 531.00
86	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	Ft	3,855	\$ 0.45	\$ 1,734.75
87	Pavt Mrkg, Sprayable Thermopl, 8 inch, White	Ft	170	\$ 0.90	\$ 153.00
88	Rem Spec Mrkg	Ft	485	\$ 2.95	\$ 1,430.75
89	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	Ft	985	\$ 0.95	\$ 935.75
90	Pavt Mrkg, Waterborne, 6 inch, Crosswalk Line	Ft	775	\$ 1.25	\$ 968.75
91	Pavt Mrkg, Waterborne, 18 inch, Stop Bar	Ft	215	\$ 4.00	\$ 860.00
92	Pavt Mrkg, Waterborne, Lt Turn Arrow Symbol	Ea	7	\$ 50.00	\$ 350.00
93	Pavt Mrkg, Waterborne, Rt Turn Arrow Symbol	Ea	5	\$ 50.00	\$ 250.00
94	Pavt Mrkg, Waterborne, Thru & Lt Turn Arrow Symbol	Ea	2	\$ 60.00	\$ 120.00
95	Pavt Mrkg, Waterborne, Thru Arrow Symbol	Ea	2	\$ 40.00	\$ 80.00
96	Pavt Mrkg, Waterborne, Only	Ea	7	\$ 50.00	\$ 350.00
97	Controller and Cabinet, Digital Type, RCOC	Ea	1	\$ 19,300.00	\$ 19,300.00
98	Controller and Cabinet, Digital type, Delivered, RCOC	Ea	1	\$ 310.00	\$ 310.00
99	Case Sign, One Way, 24 inch by 30 inch, Non-Illuminated, RCOC	Ea	4	\$ 1,304.00	\$ 5,216.00
100	Pedestal, Alum, RCOC	Ea	3	\$ 780.00	\$ 2,340.00
101	Pedestal, Fdn	Ea	3	\$ 826.00	\$ 2,478.00
102	Pushbutton and Sign	Ea	4	\$ 557.00	\$ 2,228.00
103	Serv Disconnect	Ea	2	\$ 1,039.00	\$ 2,078.00



Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
104	Street Name Sign, Two Way, 8 foot, RCOC	Ea	3	\$3,069.00	\$9,207.00
105	Street Name Sign Bracket Arm, 10 foot, RCOC	Ea	3	\$1,333.00	\$3,999.00
106	Controller Fdn, Base Mount	Ea	1	\$1,598.00	\$1,598.00
107	Optical Priority Control System, RCOC	Ea	1	\$5,326.00	\$5,326.00
108	Traffic Loop, Presence (Preformed), RCOC	Ea	9	\$1,000.00	\$9,000.00
109	TS, One Way Mast Arm Mtd (LED)	Ea	8	\$1,064.00	\$8,512.00
110	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	Ea	3	\$1,055.00	\$3,165.00
111	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	Ea	1	\$1,576.00	\$1,576.00
112	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	Ea	3	\$1,071.00	\$3,213.00
113	Mast Arm Pole, Cat III	Ea	4	\$4,958.00	\$19,832.00
114	Mast Arm, 35 foot, Cat III	Ea	1	\$5,417.00	\$5,417.00
115	Mast Arm, 40 foot, Cat III	Ea	1	\$5,978.00	\$5,978.00
116	Mast Arm, 50 foot, Cat III	Ea	2	\$7,142.00	\$14,284.00
117	Mast Arm Pole Fdn, RCOC	Ft	73	\$320.00	\$23,360.00
118	Conduit, DB, 1, 1 1/4 inch	Ft	115	\$9.00	\$1,035.00
119	Conduit, DB, 1, 3 inch	Ft	245	\$13.00	\$3,185.00
120	Conduit, DB, 2, 3 inch	Ft	40	\$19.00	\$760.00
121	Conduit, DB, 3, 3 inch	Ft	60	\$20.00	\$1,200.00
122	Conduit, DB, 3, 4 inch	Ft	15	\$93.00	\$1,395.00
123	Conduit, Directional Bore, 1, 4 inch, RCOC	Ft	310	\$28.00	\$8,680.00
124	Conduit, Directional Bore, 2, 4 inch, RCOC	Ft	100	\$38.00	\$3,800.00
125	Hh, Round	Ea	7	\$1,094.00	\$7,658.00
126	Hh, Square, RCOC	Ea	1	\$2,084.00	\$2,084.00
127	Wood Pole, Fit Up, Sec Cable Pole	Ea	2	\$472.00	\$944.00
128	Cable, Sec, 600V, 1, 2/C#4 #6 Ground	Ft	400	\$8.00	\$3,200.00
129	Power Co. (Est. Cost to Contractor)	Dlr	1	\$2,000	\$2,000



Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
130	RCOC Force Account Fees	Dlr	1	\$ 50,000	\$ 50,000
131	Casing	Ft	63	\$ 150.00	\$ 9,450.00
132	TS Face, Bag	Ea	4	\$ 85.00	\$ 340.00
133	Warning Sign	Ft	1	\$ 800.00	\$ 800.00
134	Flsh Beacon, Controller and Cabinet, Solid State	Ea	1	\$ 1500.00	\$ 1500.00
135	Crew Days	Day	125	\$ 700.00	\$ 87,500.00
TOTAL BID PRICE:				\$ 4,835,050.01	

If the foregoing Bid shall be accepted by the OWNER, the undersigned agrees to enter into the attached form of Agreement within ten (10) days after receiving notice of such acceptance, will furnish the OWNER satisfactory bonds and certificates of insurance coverage, and will complete the Project, at the price and within the time stated in this Bid.

The undersigned further agrees that if the foregoing Bid shall be accepted, work will commence immediately after the Contract has been awarded, the Agreement executed, and a Notice to Proceed received.

Interim Completion (per Progress Clause) shall be by July 1, 2019.

Interim Completion (all work except for traffic signals) shall be by November 1, 2019.

Final Completion (traffic signals) shall be by January 15, 2020.

The undersigned attaches hereto its Bid security, as required by the Advertisement for Bids and Instructions to Bidders. The undersigned agrees that in case it shall fail to fulfill its obligations under the foregoing Bid, and/or shall fail to furnish bonds, as specified, the OWNER may, at its option determine that the undersigned has abandoned its rights and interests in such Contract and that its Bid security accompanying its Bid; has been forfeited to the said OWNER, but otherwise the Bid security shall be returned to the undersigned upon the execution of the Contract and the acceptance of the bonds.

The undersigned also agrees that for each and every calendar day that he may be in default of any of the completion times listed above, the OWNER will suffer a damage of Nine Hundred Dollars (\$900.00) per calendar day, and said OWNER shall be compensated therefore at the rate as liquidated damages in accordance with the Agreement.



In submitting this Bid, it is understood that the right is reserved by the OWNER to accept any bid, to reject any or all Bids, and to waive irregularities in bidding in the interest of the OWNER.

SUBMITTED on 3/13/19
Date*

28990 Wixom Rd.
Street*

Wixom, MI 48393
City, State, ZIP*

(248) 349-7500
Telephone Number*

(248) 349-4870
Facsimile Number*

BY: Toebe Construction LLC
Name of Bidder*

B. Thomas Stover
Signature

B. THOMAS STOVER
PRESIDENT
Name and Title of Signatory*

*Typed or printed in ink.

