



CITY of NOVI CITY COUNCIL

Agenda Item 11
May 21, 2018

SUBJECT: Approval to award the construction contract for the 2018 and 2019 Asphalt Neighborhood Roads Program to Cadillac Asphalt, LLC, the low-bidder, in the amount of \$2,173,328.00.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division

CITY MANAGER APPROVAL:

EXPENDITURE REQUIRED	\$ 1,381,224.00 NRP 2018- Asphalt \$ <u>792,104.00</u> NRP 2019- Asphalt \$ 2,173,328.00 Total
AMOUNT BUDGETED	\$ 367,106 NRP 2018- Asphalt (FY 2017-18) \$ <u>1,500,000</u> NRP 2018- Asphalt (FY 2018-19) \$ 1,867,106 Subtotal \$ 200,000 NRP 2019- Asphalt (FY 2018-19) \$ <u>900,000</u> NRP 2019- Asphalt (FY 2019-20) \$ 1,100,000 Subtotal \$ 2,967,106 Total
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	203-203.00-864.193 (102-01 NRP 2018 - Asphalt) 203-203.00-864.203 (102-01 NRP 2019 - Asphalt)

BACKGROUND INFORMATION:

AECOM, engineering consultants to the City, helped develop a list of streets for the 2018 and 2019 Neighborhood Roads Program (NRP). Staff divided the program into two contracts with one focusing on concrete roads and the other one focusing on asphalt roads. Staff advertised the program for a two-year contract to capture unit prices and lower logistical costs of bidding and design. This process allows the City flexibility regarding the scheduling of different project areas. The Neighborhood Roads Program work includes asphalt rehabilitation and reconstruction of local roadways in an effort to preserve the longevity of the existing roadways.

The roads selected for 2018 Asphalt Neighborhood Roads Program are Churchill Boulevard, sections of Island Lake Drive, Heatherbrae Way South, Siegal Drive, Siegal Court and Singh Boulevard.

The roads selected for the 2019 Asphalt Neighborhood Roads Program are Lynwood Drive, Warrington Drive, Warrington Court, Edinborough Lane, and Inverness Court. The three roads bid as alternates were Vero Court, Vasilius Court, and the curb and gutter that is in disrepair along Anchorage Court.

AECOM assisted the Engineering Division with developing the plans for this project. The plans were advertised for public bids on April 26, 2018. Five (5) bids were received and opened on May 9, 2018 following the solicitation period. Cadillac Asphalt's bid is recommended in the best interest of the City as it is responsive and complies with all of the requirements of the bidding instructions. Three alternate bids were also presented to the City and are shown on the bid tabulation sheet. There is a scheduled Water and Sewer project in the limits of Alternate Bid 2 (Vasilios Court). Due to the conflicting projects, staff removed Vasilios Court from consideration for award. The award recommendation letter including the bid tabulation is attached. A summary of the bid tabulation is as follows:

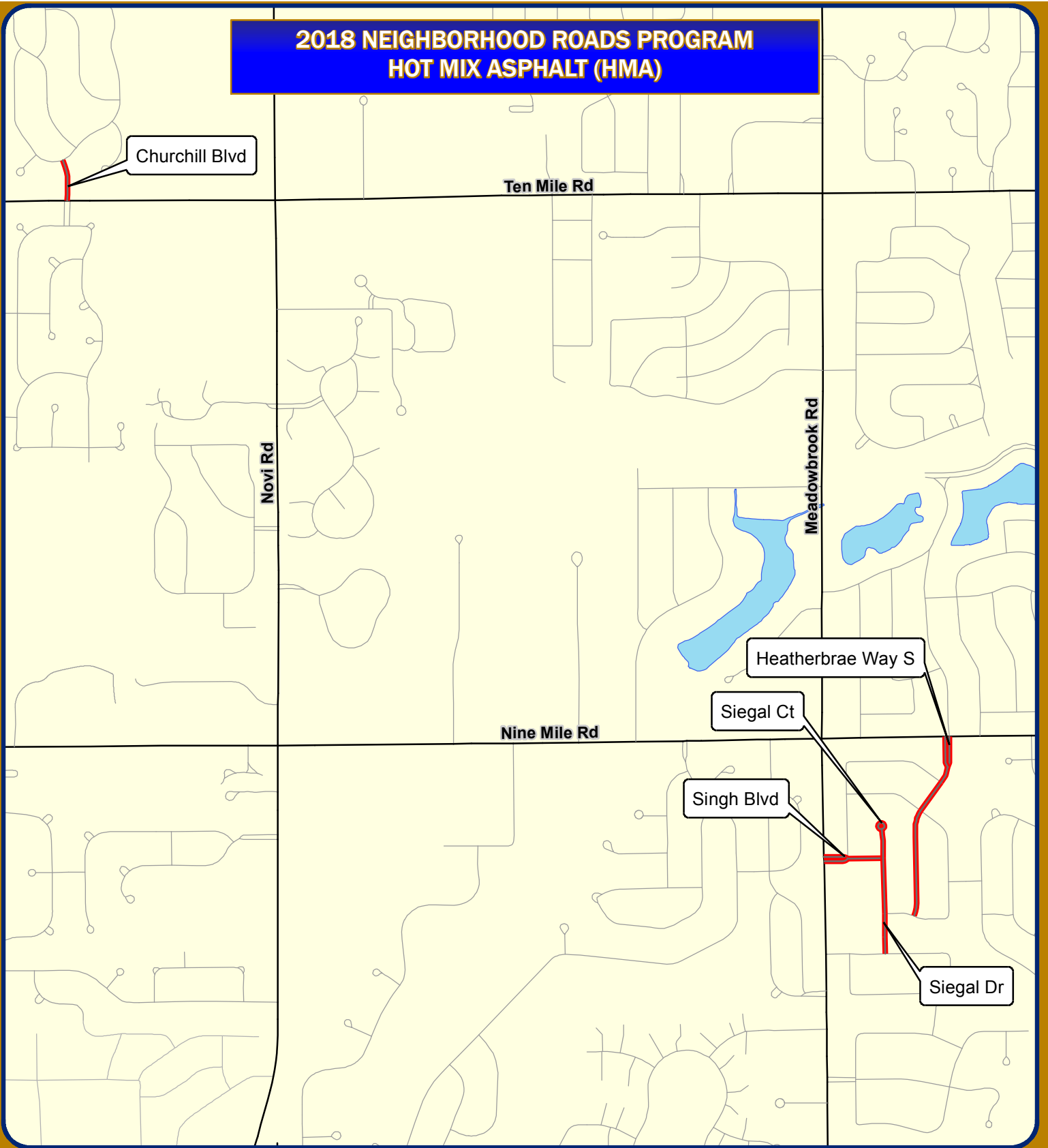
Contractor	Base Bid*	Alternate Bid 1*	Alternate Bid 3*	Total Bid Cost*
Cadillac Asphalt	\$ 2,100,358.00	\$ 69,399.00	\$ 92,471.00	\$ 2,262,228.00
Pro-Line Asphalt	\$ 2,174,179.00	\$ 57,669.00	\$ 95,866.00	\$ 2,327,714.00
Hutch Paving	\$ 2,144,929.60	\$ 64,488.90	\$ 145,968.25	\$ 2,355,386.75
Florence Cement Co.	\$ 2,251,045.25	\$ 63,548.70	\$ 112,874.85	\$ 2,427,468.80
Ajax Paving	\$ 2,689,011.75	\$ 113,933.30	\$ 143,330.25	\$ 2,946,275.30

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


The construction engineering services award associated with this project is proposed elsewhere on this agenda. The 2018 selected roads will be substantially complete by fall 2018 and the 2019 roads will be substantially complete by fall of 2019.

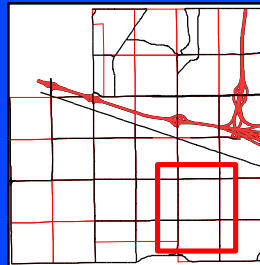
RECOMMENDED ACTION: Approval to award the construction contract for the 2018 and 2019 Asphalt Neighborhood Roads Program to Cadillac Asphalt, LLC, the low-bidder, in the amount of \$2,173,328.00.

2018 NEIGHBORHOOD ROADS PROGRAM HOT MIX ASPHALT (HMA)



Map Author: Joseph Akers
Date: May 10, 2018
Project: 2018 Road Construction
Version #: 1.3

Legend
 2018 Neighborhood Roads - Asphalt



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

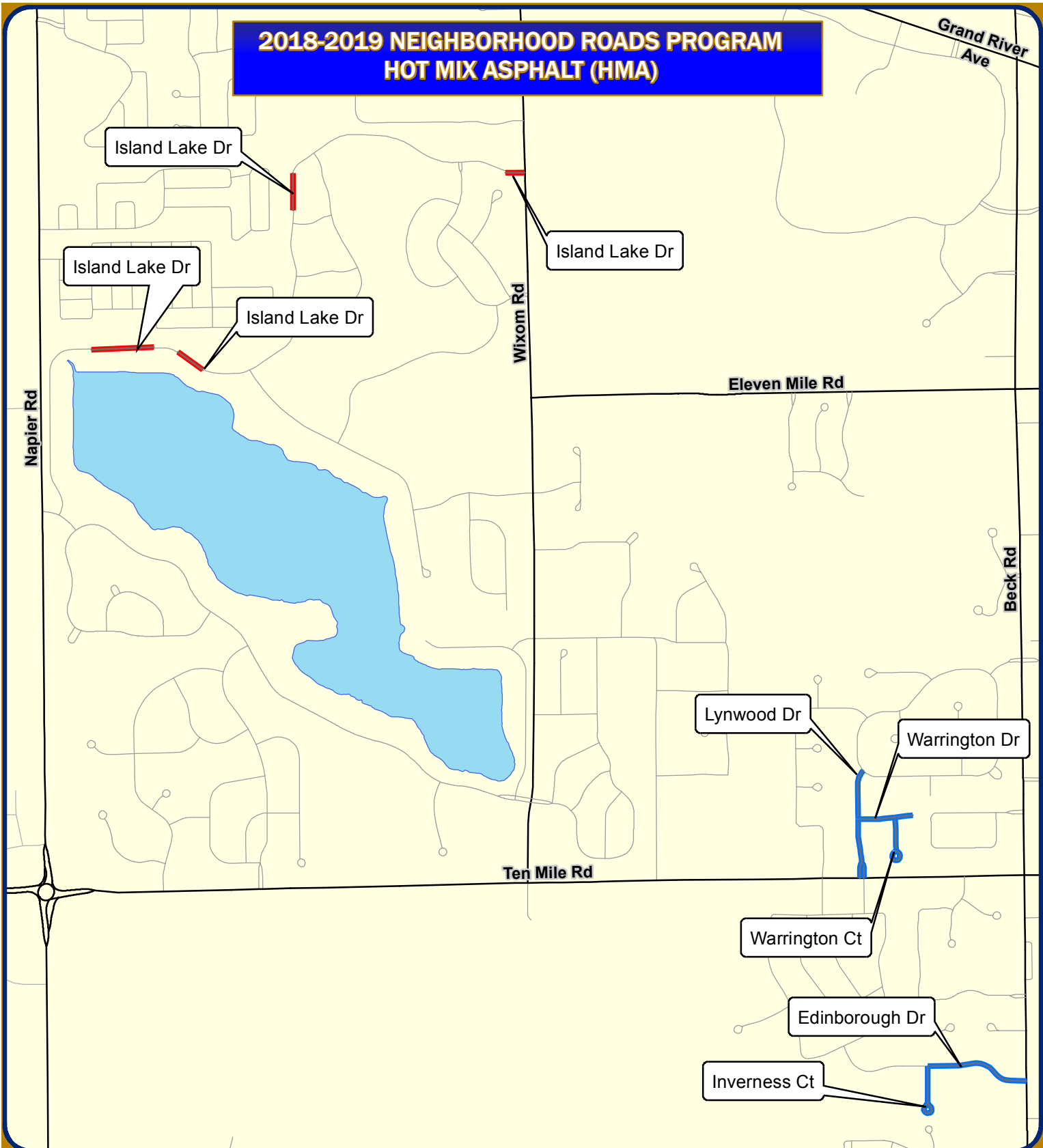
Feet
 0 260 520 1,040 1,560
 1 inch = 1,264 feet



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.

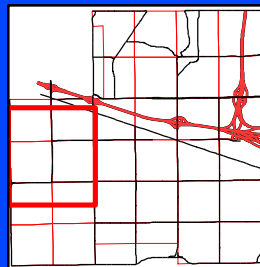
2018-2019 NEIGHBORHOOD ROADS PROGRAM HOT MIX ASPHALT (HMA)



Map Author: Joseph Akers
Date: May 10, 2018
Project: 2018 Road Construction
Version #: 1.3

Legend

- 2018 Neighborhood Roads - Asphalt
- 2019 Neighborhood Roads - Asphalt



City of Novi

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



1 inch = 1,424 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.



May 14, 2018

Mr. Joseph Akers
City of Novi
Engineering Department
26300 Lee BeGole Dr
Novi, MI 48375

Reference: Bid Analysis and Contract Award Recommendation
2018-2019 HMA Neighborhood Roads Program
AECOM Project Number 60568693

Dear Mr. Akers:

Attached is the Bid Tabulation for the above referenced project. Five bids were received and opened. This bid is under the latest Engineer's Estimate. The following irregularities were noted in the bids:

There were minor errors in the low bid estimate. Different unit prices were used in the 2018 Bids and 2019 Bids and Alternate Bids 1, 2 and 3. The award is based on the 2018 Bid prices for both 2018, 2019, Alternate Bid 1 and Alternate Bid 3, and excludes Alternate Bid 2.

The other bids also had minor arithmetic errors and different unit prices in the 2018 Bids, 2019 Bids and Alternate Bids 1, 2 and 3. These errors did not affect the outcome of the bidding.

Cadillac Asphalt, the low bidder, has successfully completed similar projects in Oakland County, Livingston County, and Wayne County. The bonding company listed in the Statement of Qualifications has an AM Best rating that exceeds the minimum requirements.

We recommend award of the 2018 HMA Neighborhood Roads Program and 2019 HMA with Alternate Bid 1 and Alternate Bid 3 Neighborhood Roads Program contract, excluding Alternate Bid 2, to Cadillac Asphalt for the Bid Amount, excluding crew day costs, of \$2,173,328.00.

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

Sincerely,

Sean Kelsch, P.E.
Project Manager

cc: George Melistas, City of Novi
Mark Koskinen, AECOM

City of Novi
2018-2019 HMA NRP
Bid Tabulation
5/10/2018

Item No.	Item Description	Unit	Total 2018 Quantity	Total 2019 Quantity	Alternate 1 - Vero Ct	Alternate 2 - Vasilios Ct	Alternate 3 - Anchorage Ct	Engineer's Estimate											
								Unit Price (\$)	Total 2018 Cost (\$)	Total 2019 Cost (\$)	Total Cost 2018+2019 (\$)	Total Alternate 1 Cost (\$)	Total Alternate 2 Cost (\$)	Total Alternate 3 Cost (\$)					
1	Mobilization (10%)	LS	1	1	0	0	0	120,158.55	\$ 120,158.55	\$ 73,493.70	\$ 193,652.25	\$ -	\$ -	\$ -					
2	Pre-Construction Audio-Visual	LS	1	1	0	0	0	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -	\$ -					
3	HMA Surface, Rem	Syd	11,886	6,829	1076	2265	0	\$ 5.00	\$ 59,430.00	\$ 34,145.00	\$ 93,575.00	\$ 5,380.00	\$ 11,325.00	\$ -					
4	HMA Cold Milling	Syd	3,938	5,858	0	0	0	\$ 5.00	\$ 19,690.00	\$ 29,290.00	\$ 48,980.00	\$ -	\$ -	\$ -					
5	HMA Base Repair	Syd	815	1,235	0	0	0	\$ 5.00	\$ 4,075.00	\$ 6,175.00	\$ 10,250.00	\$ -	\$ -	\$ -					
6	Roadway Grading	Sta	35.1	22.0	2.0	6.7	0	\$ 3,000.00	\$ 105,300.00	\$ 66,000.00	\$ 171,300.00	\$ 6,000.00	\$ 20,100.00	\$ -					
7	Undercut, Special, 1x3	Cyd	380	400	35	35	0	\$ 45.00	\$ 17,100.00	\$ 18,000.00	\$ 35,100.00	\$ 1,575.00	\$ 1,575.00	\$ -					
8	Silt Fence	Ft	1,150	700	125	125	125	\$ 2.00	\$ 2,300.00	\$ 1,400.00	\$ 3,700.00	\$ 250.00	\$ 250.00	\$ 250.00					
9	Curb and Gutter Inlet Filter	Ea	29	20	0	2	6	\$ 250.00	\$ 7,250.00	\$ 5,000.00	\$ 12,250.00	\$ -	\$ 500.00	\$ 1,500.00					
10	Driveway Opening, Conc, Det M	Ft	119	0	0	0	0	\$ 25.00	\$ 2,975.00	\$ -	\$ 2,975.00	\$ -	\$ -	\$ -					
11	Sidewalk Rem	Syd	164	172	0	0	42	\$ 10.00	\$ 1,640.00	\$ 1,720.00	\$ 3,360.00	\$ -	\$ -	\$ 420.00					
12	Sidewalk Ramp, Conc, 6 inch	Sft	1,475	1,581	0	0	371	\$ 9.50	\$ 14,012.50	\$ 15,019.50	\$ 29,032.00	\$ -	\$ -	\$ 3,524.50					
13	Detectable Warning Surface	Ft	75	60	0	0	15	\$ 40.00	\$ 3,000.00	\$ 2,400.00	\$ 5,400.00	\$ -	\$ -	\$ 600.00					
14	Aggregate Base, 21AA Limestone, 8 inch	Syd	14,808	8,462	1076	2327	1385	\$ 13.00	\$ 192,504.00	\$ 110,006.00	\$ 302,510.00	\$ 13,988.00	\$ 30,251.00	\$ 18,005.00					
15	Aggregate Base, 21AA Limestone, 6 inch	Syd	374	379	0	79	197	\$ 9.50	\$ 3,553.00	\$ 3,600.50	\$ 7,153.50	\$ -	\$ 750.50	\$ 1,871.50					
16	Dr Structure, Rem	Ea	3	2	0	0	0	\$ 400.00	\$ 1,200.00	\$ 800.00	\$ 2,000.00	\$ -	\$ -	\$ -					
17	Dr Structure, 24 inch dia	Ea	3	2	0	0	0	\$ 1,200.00	\$ 3,600.00	\$ 2,400.00	\$ 6,000.00	\$ -	\$ -	\$ -					
18	Dr Structure Cover, Type J	Ea	2	1	0	0	0	\$ 750.00	\$ 1,500.00	\$ 750.00	\$ 2,250.00	\$ -	\$ -	\$ -					
19	Dr Structure Cover, Type K	Ea	1	1	0	0	0	\$ 750.00	\$ 750.00	\$ 750.00	\$ 1,500.00	\$ -	\$ -	\$ -					
20	Dr Structure Cover, Adj, Case 1	Ea	18	19	0	2	6	\$ 450.00	\$ 8,100.00	\$ 8,550.00	\$ 16,650.00	\$ -	\$ 900.00	\$ 2,700.00					
21	Point-Up Drainage Structure	Ea	18	19	0	2	6	\$ 200.00	\$ 3,600.00	\$ 3,800.00	\$ 7,400.00	\$ -	\$ 400.00	\$ 1,200.00					
22	Underdrain, Subgrade, Open-Graded, 6 inch	Ft	7,343	4,461	0	1450	0	\$ 12.00	\$ 88,116.00	\$ 53,532.00	\$ 141,648.00	\$ -	\$ 17,400.00	\$ -					
23	Reconstruct Drainage Structure	Ft	15	10	0	0	5	\$ 200.00	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ -	\$ -	\$ 1,000.00					
24	Dr Structure Tap, 6 inch	Ea	37	22	0	4	0	\$ 250.00	\$ 9,250.00	\$ 5,500.00	\$ 14,750.00	\$ -	\$ 1,000.00	\$ -					
25	HMA, 5E1	Ton	1,915	1,535	130	274	0	\$ 90.00	\$ 172,350.00	\$ 138,150.00	\$ 310,500.00	\$ 11,700.00	\$ 24,660.00	\$ -					
26	HMA, 3C	Ton	2,305	1,486	195	411	0	\$ 78.00	\$ 179,790.00	\$ 115,908.00	\$ 295,698.00	\$ 15,210.00	\$ 32,058.00	\$ -					
27	HMA Approach	Ton	160	254	0	0	0	\$ 115.00	\$ 18,400.00	\$ 29,210.00	\$ 47,610.00	\$ -	\$ -	\$ -					
28	Curb and Gutter, Rem	Ft	7,682	1,532	0	223	1385	\$ 10.00	\$ 76,820.00	\$ 15,320.00	\$ 92,140.00	\$ -	\$ 2,230.00	\$ 13,850.00					
29	Curb and Gutter, Conc, Det E2	Ft	1,127	60	0	0	0	\$ 10.00	\$ 11,270.00	\$ 600.00	\$ 11,870.00	\$ -	\$ -	\$ -					
30	Curb and Gutter, Conc, Det D2	Ft	6,555	1,472	0	223	1385	\$ 20.00	\$ 131,100.00	\$ 29,440.00	\$ 160,540.00	\$ -	\$ 4,460.00	\$ 27,700.00					
33	Concrete Driveway	Syd	210	203	0	54	130	\$ 50.00	\$ 10,500.00	\$ 10,150.00	\$ 20,650.00	\$ -	\$ 2,700.00	\$ 6,500.00					
34	Pavt, Rem	Syd	210	203	0	54	130	\$ 7.00	\$ 1,470.00	\$ 1,421.00	\$ 2,891.00	\$ -	\$ 378.00	\$ 910.00					
35	Conduit, Schedule 40, 4 inch	Ft	500	0	0	0	0	\$ 15.00	\$ 7,500.00	\$ -	\$ 7,500.00	\$ -	\$ -	\$ -					
31	Sign, Type IIIB, R1-1	Sft	38	6	0	0	0	\$ 20.00	\$ 760.00	\$ 120.00	\$ 880.00	\$ -	\$ -	\$ -					
32	Sign, Type IIIB, R1-2	Sft	9	14	0	0	0	\$ 20.00	\$ 180.00	\$ 280.00	\$ 460.00	\$ -	\$ -	\$ -					
36	Permanent Pavement Markings	LS	1	1	0	0	0	\$ 4,000.00	\$ 4,000.00	\$ 2,000.00	\$ 6,000.00	\$ 667.00	\$ 667.00	\$ 667.00					
37	Maintaining Traffic	LS	1	1	0	0	0	\$ 21,750.00	\$ 21,750.00	\$ 12,500.00	\$ 34,250.00	\$ 2,167.00	\$ 2,167.00	\$ 2,167.00					
38	Surface Restoration	LS	1	1	0	0	0	\$ 11,250.00	\$ 11,250.00	\$ 6,500.00	\$ 17,750.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00					
39	Crew Days	Day						\$ 700.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
40	RCOC Permit Allowance	DLR	1					\$ 2,500.00	\$ 2,500.00	\$ -	\$ 2,500.00	\$ -	\$ -	\$ -					
Total Cost								\$	1,324,244.05	\$	808,430.70	\$	2,132,674.75	\$	58,437.00	\$	155,271.50	\$	84,365.00

\$ X,XXX.XX Indicates Corrected Entry and Total Cost* Indicates Corrected Total

Cadillac Asphalt							Hutch Paving						
Unit Price (\$)	Total 2018 Cost (\$)	Total 2019 Cost (\$)	Total Cost 2018+2019 (\$)	Total Alternate 1 Cost (\$)	Total Alternate 2 Cost (\$)	Total Alternate 3 Cost (\$)	Unit Price (\$)	Total 2018 Cost (\$)	Total 2019 Cost (\$)	Total Cost 2018+2019 (\$)	Total Alternate 1 Cost (\$)	Total Alternate 2 Cost (\$)	Total Alternate 3 Cost (\$)
\$ 50,000.00	\$ 50,000.00	\$ 48,000.00	\$ 98,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 45,000.00	\$ 45,000.00	\$ 28,000.00	\$ 73,000.00	\$ 4,000.00	\$ 8,500.00	\$ 46,000.00
\$ 2,700.00	\$ 2,700.00	\$ 1,275.00	\$ 3,975.00	\$ 725.00	\$ 750.00	\$ 750.00	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 20,000.00	\$ 1,500.00	\$ 800.00	\$ 600.00
\$ 4.00	\$ 47,544.00	\$ 27,316.00	\$ 74,860.00	\$ 4,304.00	\$ 9,060.00	\$ -	\$ 4.50	\$ 53,487.00	\$ 30,730.50	\$ 84,217.50	\$ 4,842.00	\$ 10,192.50	\$ -
\$ 4.00	\$ 15,752.00	\$ 23,432.00	\$ 39,184.00	\$ -	\$ -	\$ -	\$ 3.00	\$ 11,814.00	\$ 17,574.00	\$ 29,388.00	\$ -	\$ -	\$ -
\$ 22.00	\$ 17,930.00	\$ 27,170.00	\$ 45,100.00	\$ -	\$ -	\$ -	\$ 17.00	\$ 13,855.00	\$ 20,995.00	\$ 34,850.00	\$ -	\$ -	\$ -
\$ 3,200.00	\$ 112,320.00	\$ 70,400.00	\$ 182,720.00	\$ 6,400.00	\$ 21,440.00	\$ -	\$ 280.00	\$ 9,828.00	\$ 6,160.00	\$ 15,988.00	\$ 560.00	\$ 1,876.00	\$ -
\$ 60.00	\$ 22,800.00	\$ 24,000.00	\$ 46,800.00	\$ 2,100.00	\$ 2,100.00	\$ -	\$ 50.00	\$ 19,000.00	\$ 20,000.00	\$ 39,000.00	\$ 1,750.00	\$ 1,750.00	\$ -
\$ 2.00	\$ 2,300.00	\$ 1,400.00	\$ 3,700.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 1.80	\$ 2,070.00	\$ 1,260.00	\$ 3,330.00	\$ 225.00	\$ -	\$ 225.00
\$ 75.00	\$ 2,175.00	\$ 1,500.00	\$ 3,675.00	\$ -	\$ 150.00	\$ 450.00	\$ 100.00	\$ 2,900.00	\$ 2,000.00	\$ 4,900.00	\$ -	\$ 200.00	\$ 600.00
\$ 22.00	\$ 2,618.00	\$ -	\$ 2,618.00	\$ -	\$ -	\$ -	\$ 20.90	\$ 2,487.10	\$ -	\$ 2,487.10	\$ -	\$ -	\$ -
\$ 8.00	\$ 1,312.00	\$ 1,376.00	\$ 2,688.00	\$ -	\$ -	\$ 336.00	\$ 14.00	\$ 2,296.00	\$ 2,408.00	\$ 4,704.00	\$ -	\$ -	\$ 588.00
\$ 8.00	\$ 11,800.00	\$ 12,648.00	\$ 24,448.00	\$ -	\$ -	\$ 2,968.00	\$ 8.50	\$ 12,537.50	\$ 13,438.50	\$ 25,976.00	\$ -	\$ -	\$ 3,153.50
\$ 30.00	\$ 2,250.00	\$ 1,800.00	\$ 4,050.00	\$ -	\$ -	\$ 450.00	\$ 35.00	\$ 2,625.00	\$ 2,100.00	\$ 4,725.00	\$ -	\$ -	\$ 525.00
\$ 10.00	\$ 148,080.00	\$ 84,620.00	\$ 232,700.00	\$ 10,760.00	\$ 23,270.00	\$ 13,850.00	\$ 13.15	\$ 194,725.20	\$ 111,275.30	\$ 306,000.50	\$ 14,149.40	\$ 30,600.05	\$ 18,212.75
\$ 11.00	\$ 4,114.00	\$ 4,169.00	\$ 8,283.00	\$ -	\$ 869.00	\$ 2,167.00	\$ 12.00	\$ 4,488.00	\$ 4,548.00	\$ 9,036.00	\$ -	\$ 948.00	\$ 2,364.00
\$ 650.00	\$ 1,950.00	\$ 1,300.00	\$ 3,250.00	\$ -	\$ -	\$ -	\$ 1,800.00	\$ 5,400.00	\$ 3,600.00	\$ 9,000.00	\$ -	\$ -	\$ -
\$ 1,575.00	\$ 4,725.00	\$ 3,150.00	\$ 7,875.00	\$ -	\$ -	\$ -	\$ 3,750.00	\$ 11,250.00	\$ 7,500.00	\$ 18,750.00	\$ -	\$ -	\$ -
\$ 1,100.00	\$ 2,200.00	\$ 1,100.00	\$ 3,300.00	\$ -	\$ -	\$ -	\$ 980.00	\$ 1,960.00	\$ 980.00	\$ 2,940.00	\$ -	\$ -	\$ -
\$ 810.00	\$ 810.00	\$ 810.00	\$ 1,620.00	\$ -	\$ -	\$ -	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 2,400.00	\$ -	\$ -	\$ -
\$ 295.00	\$ 5,310.00	\$ 5,605.00	\$ 10,915.00	\$ -	\$ 590.00	\$ 1,770.00	\$ 1,300.00	\$ 23,400.00	\$ 24,700.00	\$ 48,100.00	\$ -	\$ 2,600.00	\$ 7,800.00
\$ 175.00	\$ 3,150.00	\$ 3,325.00	\$ 6,475.00	\$ -	\$ 350.00	\$ 1,050.00	\$ 280.00	\$ 5,040.00	\$ 5,320.00	\$ 10,360.00	\$ -	\$ 560.00	\$ 1,680.00
\$ 9.00	\$ 66,087.00	\$ 40,149.00	\$ 106,236.00	\$ -	\$ 13,050.00	\$ -	\$ 14.00	\$ 102,802.00	\$ 62,454.00	\$ 165,256.00	\$ -	\$ 20,300.00	\$ -
\$ 250.00	\$ 3,750.00	\$ 2,500.00	\$ 6,250.00	\$ -	\$ -	\$ 1,250.00	\$ 280.00	\$ 4,200.00	\$ 2,800.00	\$ 7,000.00	\$ -	\$ -	\$ 1,400.00
\$ 200.00	\$ 7,400.00	\$ 4,400.00	\$ 11,800.00	\$ -	\$ 800.00	\$ -	\$ 150.00	\$ 5,550.00	\$ 3,300.00	\$ 8,850.00	\$ -	\$ 600.00	\$ -
\$ 97.00	\$ 185,755.00	\$ 148,895.00	\$ 334,650.00	\$ 12,610.00	\$ 26,578.00	\$ -	\$ 103.00	\$ 197,245.00	\$ 158,105.00	\$ 355,350.00	\$ 13,390.00	\$ 28,222.00	\$ -
\$ 80.00	\$ 184,400.00	\$ 118,880.00	\$ 303,280.00	\$ 15,600.00	\$ 32,880.00	\$ -	\$ 85.50	\$ 197,077.50	\$ 127,053.00	\$ 324,130.50	\$ 16,672.50	\$ 35,140.50	\$ -
\$ 125.00	\$ 20,000.00	\$ 31,750.00	\$ 51,750.00	\$ -	\$ -	\$ -	\$ 125.00	\$ 20,000.00	\$ 31,750.00	\$ 51,750.00	\$ -	\$ -	\$ -
\$ 4.00	\$ 30,728.00	\$ 6,128.00	\$ 36,856.00	\$ -	\$ 892.00	\$ 5,540.00	\$ 6.00	\$ 46,092.00	\$ 9,192.00	\$ 55,284.00	\$ -	\$ 1,338.00	\$ 8,310.00
\$ 22.00	\$ 24,794.00	\$ 1,320.00	\$ 26,114.00	\$ -	\$ -	\$ -	\$ 25.00	\$ 28,175.00	\$ 1,500.00	\$ 29,675.00	\$ -	\$ -	\$ -
\$ 22.00	\$ 144,210.00	\$ 32,384.00	\$ 176,594.00	\$ -	\$ 4,906.00	\$ 30,470.00	\$ 26.00	\$ 170,430.00	\$ 38,272.00	\$ 208,702.00	\$ -	\$ 5,798.00	\$ 36,010.00
\$ 69.00	\$ 14,490.00	\$ 14,007.00	\$ 28,497.00	\$ -	\$ 3,726.00	\$ 8,970.00	\$ 60.00	\$ 12,600.00	\$ 12,180.00	\$ 24,780.00	\$ -	\$ 3,240.00	\$ 7,800.00
\$ 15.00	\$ 3,150.00	\$ 3,045.00	\$ 6,195.00	\$ -	\$ 810.00	\$ 1,950.00	\$ 20.00	\$ 4,200.00	\$ 4,060.00	\$ 8,260.00	\$ -	\$ 1,080.00	\$ 2,600.00
\$ 20.00	\$ 10,000.00	\$ -	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 20.00	\$ 10,000.00	\$ -	\$ 10,000.00	\$ -	\$ -	\$ -
\$ 50.00	\$ 1,900.00	\$ 300.00	\$ 2,200.00	\$ -	\$ -	\$ -	\$ 55.00	\$ 2,090.00	\$ 330.00	\$ 2,420.00	\$ -	\$ -	\$ -
\$ 50.00	\$ 450.00	\$ 700.00	\$ 1,150.00	\$ -	\$ -	\$ -	\$ 55.00	\$ 495.00	\$ 770.00	\$ 1,265.00	\$ -	\$ -	\$ -
\$ 1,375.00	\$ 1,375.00	\$ 750.00	\$ 2,125.00	\$ 750.00	\$ 750.00	\$ 750.00	\$ 500.00	\$ 500.00	\$ 55.00	\$ 555.00	\$ 200.00	\$ 200.00	\$ 50.00
\$ 43,425.00	\$ 43,425.00	\$ 30,000.00	\$ 73,425.00	\$ 3,500.00	\$ 5,000.00	\$ 5,000.00	\$ 26,000.00	\$ 26,000.00	\$ 10,000.00	\$ 36,000.00	\$ 800.00	\$ 1,500.00	\$ 450.00
\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 35,000.00	\$ 2,500.00	\$ 7,500.00	\$ 5,000.00	\$ 23,000.00	\$ 23,000.00	\$ 8,500.00	\$ 31,500.00	\$ 3,600.00	\$ 13,440.00	\$ 5,500.00
\$ 42,000.00	\$ 42,000.00	\$ 35,000.00	\$ 77,000.00	\$ 4,900.00	\$ 10,500.00	\$ 7,000.00	\$ -	\$ 33,600.00	\$ 36,400.00	\$ 70,000.00	\$ 2,800.00	\$ 2,800.00	\$ 2,100.00
\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -	\$ -
Total Cost	\$ 1,273,254.00	\$ 827,104.00	\$ 2,100,358.00	\$ 69,399.00	\$ 171,221.00	\$ 92,471.00	Total Cost	\$ 1,326,919.30	\$ 818,010.30	\$ 2,144,929.60	\$ 64,488.90	\$ 171,910.05	\$ 145,968.25

Minus Crew Days \$ 1,231,254.00 \$ 792,104.00 \$ 2,023,358.00

Proline Asphalt							Florence Cement Co						
Unit Price (\$)	Total 2018 Cost (\$)	Total 2019 Cost (\$)	Total Cost 2018+2019 (\$)	Total Alternate 1 Cost (\$)	Total Alternate 2 Cost (\$)	Total Alternate 3 Cost (\$)	Unit Price (\$)	Total 2018 Cost (\$)	Total 2019 Cost (\$)	Total Cost 2018+2019 (\$)	Total Alternate 1 Cost (\$)	Total Alternate 2 Cost (\$)	Total Alternate 3 Cost (\$)
\$ 125,000.00	\$ 125,000.00	\$ 80,000.00	\$ 205,000.00	\$ 5,000.00	\$ 15,000.00	\$ 8,000.00	\$ 128,000.00	\$ 128,000.00	\$ 82,000.00	\$ 210,000.00	\$ 7,000.00	\$ 14,000.00	\$ 12,000.00
\$ 2,700.00	\$ 2,700.00	\$ 1,300.00	\$ 4,000.00	\$ 750.00	\$ 750.00	\$ 750.00	\$ 3,000.00	\$ 3,000.00	\$ 1,300.00	\$ 4,300.00	\$ 800.00	\$ 800.00	\$ 800.00
\$ 4.00	\$ 47,544.00	\$ 27,316.00	\$ 74,860.00	\$ 4,304.00	\$ 9,060.00	\$ -	\$ 2.80	\$ 33,280.80	\$ 19,121.20	\$ 52,402.00	\$ 3,012.80	\$ 6,342.00	\$ -
\$ 4.00	\$ 15,752.00	\$ 23,432.00	\$ 39,184.00	\$ -	\$ -	\$ -	\$ 3.70	\$ 14,570.60	\$ 21,674.60	\$ 36,245.20	\$ -	\$ -	\$ -
\$ 17.00	\$ 13,855.00	\$ 20,995.00	\$ 34,850.00	\$ -	\$ -	\$ -	\$ 22.00	\$ 17,930.00	\$ 27,170.00	\$ 45,100.00	\$ -	\$ -	\$ -
\$ 2,100.00	\$ 73,710.00	\$ 46,200.00	\$ 119,910.00	\$ 4,200.00	\$ 14,070.00	\$ -	\$ 2,800.00	\$ 98,280.00	\$ 61,600.00	\$ 159,880.00	\$ 5,600.00	\$ 18,760.00	\$ -
\$ 30.00	\$ 11,400.00	\$ 12,000.00	\$ 23,400.00	\$ 1,050.00	\$ 1,050.00	\$ -	\$ 44.00	\$ 16,720.00	\$ 17,600.00	\$ 34,320.00	\$ 1,540.00	\$ 1,540.00	\$ -
\$ 2.00	\$ 2,300.00	\$ 1,400.00	\$ 3,700.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 2.30	\$ 4,255.00	\$ 1,610.00	\$ 4,255.00	\$ 287.50	\$ 287.50	\$ 287.50
\$ 80.00	\$ 2,320.00	\$ 1,600.00	\$ 3,920.00	\$ -	\$ 160.00	\$ 480.00	\$ 107.00	\$ 3,103.00	\$ 2,140.00	\$ 5,243.00	\$ -	\$ 214.00	\$ 642.00
\$ 22.00	\$ 2,618.00	\$ -	\$ 2,618.00	\$ -	\$ -	\$ -	\$ 21.75	\$ 2,588.25	\$ -	\$ 2,588.25	\$ -	\$ -	\$ -
\$ 13.00	\$ 2,132.00	\$ 2,236.00	\$ 4,368.00	\$ -	\$ -	\$ 546.00	\$ 17.00	\$ 2,788.00	\$ 2,924.00	\$ 5,712.00	\$ -	\$ -	\$ 714.00
\$ 10.00	\$ 14,750.00	\$ 15,810.00	\$ 30,560.00	\$ -	\$ -	\$ 3,710.00	\$ 7.75	\$ 11,431.25	\$ 12,252.75	\$ 23,684.00	\$ -	\$ -	\$ 2,875.25
\$ 35.00	\$ 2,625.00	\$ 2,100.00	\$ 4,725.00	\$ -	\$ -	\$ 525.00	\$ 30.00	\$ 2,250.00	\$ 1,800.00	\$ 4,050.00	\$ -	\$ -	\$ 450.00
\$ 9.00	\$ 133,272.00	\$ 76,158.00	\$ 209,430.00	\$ 9,684.00	\$ 20,943.00	\$ 12,465.00	\$ 10.90	\$ 161,407.20	\$ 92,235.80	\$ 253,643.00	\$ 11,728.40	\$ 25,364.30	\$ 15,096.50
\$ 12.00	\$ 4,488.00	\$ 4,548.00	\$ 9,036.00	\$ -	\$ 948.00	\$ 2,364.00	\$ 18.80	\$ 7,031.20	\$ 7,125.20	\$ 14,156.40	\$ -	\$ 1,485.20	\$ 3,703.60
\$ 750.00	\$ 2,250.00	\$ 1,500.00	\$ 3,750.00	\$ -	\$ -	\$ -	\$ 250.00	\$ 750.00	\$ 500.00	\$ 1,250.00	\$ -	\$ -	\$ -
\$ 2,500.00	\$ 7,500.00	\$ 5,000.00	\$ 12,500.00	\$ -	\$ -	\$ -	\$ 1,570.00	\$ 4,710.00	\$ 3,140.00	\$ 7,850.00	\$ -	\$ -	\$ -
\$ 950.00	\$ 1,900.00	\$ 950.00	\$ 2,850.00	\$ -	\$ -	\$ -	\$ 815.00	\$ 1,630.00	\$ 815.00	\$ 2,445.00	\$ -	\$ -	\$ -
\$ 750.00	\$ 750.00	\$ 750.00	\$ 1,500.00	\$ -	\$ -	\$ -	\$ 610.00	\$ 610.00	\$ 610.00	\$ 1,220.00	\$ -	\$ -	\$ -
\$ 550.00	\$ 9,900.00	\$ 10,450.00	\$ 20,350.00	\$ -	\$ 1,100.00	\$ 3,300.00	\$ 400.00	\$ 7,200.00	\$ 7,600.00	\$ 14,800.00	\$ -	\$ 800.00	\$ 2,400.00
\$ 350.00	\$ 6,300.00	\$ 6,650.00	\$ 12,950.00	\$ -	\$ 700.00	\$ 2,100.00	\$ 135.00	\$ 2,430.00	\$ 2,565.00	\$ 4,995.00	\$ -	\$ 270.00	\$ 810.00
\$ 12.00	\$ 88,116.00	\$ 53,532.00	\$ 141,648.00	\$ -	\$ 17,400.00	\$ -	\$ 13.00	\$ 95,459.00	\$ 57,993.00	\$ 153,452.00	\$ -	\$ 18,850.00	\$ -
\$ 200.00	\$ 3,000.00	\$ 2,000.00	\$ 5,000.00	\$ -	\$ -	\$ 1,000.00	\$ 250.00	\$ 3,750.00	\$ 2,500.00	\$ 6,250.00	\$ -	\$ -	\$ 1,250.00
\$ 175.00	\$ 6,475.00	\$ 3,850.00	\$ 10,325.00	\$ -	\$ 700.00	\$ -	\$ 110.00	\$ 4,070.00	\$ 2,420.00	\$ 6,490.00	\$ -	\$ 440.00	\$ -
\$ 94.00	\$ 180,010.00	\$ 144,290.00	\$ 324,300.00	\$ 12,220.00	\$ 25,756.00	\$ -	\$ 96.00	\$ 183,840.00	\$ 147,360.00	\$ 331,200.00	\$ 12,480.00	\$ 26,304.00	\$ -
\$ 78.00	\$ 179,790.00	\$ 115,908.00	\$ 295,698.00	\$ 15,210.00	\$ 32,058.00	\$ -	\$ 80.00	\$ 184,400.00	\$ 118,880.00	\$ 303,280.00	\$ 15,600.00	\$ 32,880.00	\$ -
\$ 130.00	\$ 20,800.00	\$ 33,020.00	\$ 53,820.00	\$ -	\$ -	\$ -	\$ 136.00	\$ 21,760.00	\$ 34,544.00	\$ 56,304.00	\$ -	\$ -	\$ -
\$ 7.00	\$ 53,774.00	\$ 10,724.00	\$ 64,498.00	\$ -	\$ 1,561.00	\$ 9,695.00	\$ 9.85	\$ 75,667.70	\$ 15,090.20	\$ 90,757.90	\$ -	\$ 2,196.55	\$ 13,642.25
\$ 22.00	\$ 24,794.00	\$ 1,320.00	\$ 26,114.00	\$ -	\$ -	\$ -	\$ 21.75	\$ 24,512.25	\$ 1,305.00	\$ 25,817.25	\$ -	\$ -	\$ -
\$ 22.00	\$ 144,210.00	\$ 32,384.00	\$ 176,594.00	\$ -	\$ 4,906.00	\$ 30,470.00	\$ 21.75	\$ 142,571.25	\$ 32,016.00	\$ 174,587.25	\$ -	\$ 4,850.25	\$ 30,123.75
\$ 52.00	\$ 10,920.00	\$ 10,556.00	\$ 21,476.00	\$ -	\$ 2,808.00	\$ 6,760.00	\$ 69.00	\$ 14,490.00	\$ 14,007.00	\$ 28,497.00	\$ -	\$ 3,726.00	\$ 8,970.00
\$ 15.00	\$ 3,150.00	\$ 3,045.00	\$ 6,195.00	\$ -	\$ 810.00	\$ 1,950.00	\$ 17.00	\$ 3,570.00	\$ 3,451.00	\$ 7,021.00	\$ -	\$ 918.00	\$ 2,210.00
\$ 18.00	\$ 9,000.00	\$ -	\$ 9,000.00	\$ -	\$ -	\$ -	\$ 21.00	\$ 10,500.00	\$ -	\$ 10,500.00	\$ -	\$ -	\$ -
\$ 50.00	\$ 1,900.00	\$ 300.00	\$ 2,200.00	\$ -	\$ -	\$ -	\$ 50.00	\$ 1,900.00	\$ 300.00	\$ 2,200.00	\$ -	\$ -	\$ -
\$ 50.00	\$ 450.00	\$ 700.00	\$ 1,150.00	\$ -	\$ -	\$ -	\$ 50.00	\$ 450.00	\$ 700.00	\$ 1,150.00	\$ -	\$ -	\$ -
\$ 1,400.00	\$ 1,400.00	\$ 800.00	\$ 2,200.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 200.00	\$ 200.00	\$ 200.00
\$ 55,000.00	\$ 55,000.00	\$ 40,000.00	\$ 95,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
\$ 17,000.00	\$ 17,000.00	\$ 6,000.00	\$ 23,000.00	\$ 500.00	\$ 1,000.00	\$ 3,500.00	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 7,000.00	\$ 100.00	\$ 1,000.00	\$ 1,000.00
\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -	\$ -
Total Cost	\$ 1,337,855.00	\$ 836,324.00	\$ 2,174,179.00	\$ 57,669.00	\$ 160,431.00	\$ 95,866.00	Total Cost	\$ 1,392,395.50	\$ 858,649.75	\$ 2,251,045.25	\$ 63,548.70	\$ 172,027.80	\$ 112,874.85

Ajax Paving						
Unit Price (\$)	Total 2018 Cost (\$)	Total 2019 Cost (\$)	Total Cost 2018+2019 (\$)	Total Alternate 1 Cost (\$)	Total Alternate 2 Cost (\$)	Total Alternate 3 Cost (\$)
\$ 110,000.00	\$ 110,000.00	\$ 82,000.00	\$ 192,000.00	\$ 15,000.00	\$ 1,500.00	\$ 14,000.00
\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 3,000.00	\$ 750.00	\$ 750.00	\$ 750.00
\$ 3.55	\$ 42,195.30	\$ 24,242.95	\$ 66,438.25	\$ 3,819.80	\$ 8,040.75	\$ -
\$ 7.00	\$ 27,566.00	\$ 41,006.00	\$ 68,572.00	\$ -	\$ -	\$ -
\$ 23.00	\$ 18,745.00	\$ 28,405.00	\$ 47,150.00	\$ -	\$ -	\$ -
\$ 3,900.00	\$ 136,890.00	\$ 85,800.00	\$ 222,690.00	\$ 7,800.00	\$ 26,130.00	\$ -
\$ 48.00	\$ 18,240.00	\$ 19,200.00	\$ 37,440.00	\$ 1,680.00	\$ 1,680.00	\$ -
\$ 3.50	\$ 4,025.00	\$ 2,450.00	\$ 6,475.00	\$ 437.50	\$ 437.50	\$ 437.50
\$ 120.00	\$ 3,480.00	\$ 2,400.00	\$ 5,880.00	\$ -	\$ 240.00	\$ 720.00
\$ 22.00	\$ 2,618.00	\$ -	\$ 2,618.00	\$ -	\$ -	\$ -
\$ 7.00	\$ 1,148.00	\$ 1,204.00	\$ 2,352.00	\$ -	\$ -	\$ 294.00
\$ 10.00	\$ 14,750.00	\$ 15,810.00	\$ 30,560.00	\$ -	\$ -	\$ 3,710.00
\$ 50.00	\$ 3,750.00	\$ 3,000.00	\$ 6,750.00	\$ -	\$ -	\$ 750.00
\$ 11.00	\$ 162,888.00	\$ 93,082.00	\$ 255,970.00	\$ 11,836.00	\$ 25,597.00	\$ 15,235.00
\$ 10.00	\$ 3,740.00	\$ 3,790.00	\$ 7,530.00	\$ -	\$ 790.00	\$ 1,970.00
\$ 500.00	\$ 1,500.00	\$ 1,000.00	\$ 2,500.00	\$ -	\$ -	\$ -
\$ 700.00	\$ 2,100.00	\$ 1,400.00	\$ 3,500.00	\$ -	\$ -	\$ -
\$ 650.00	\$ 1,300.00	\$ 650.00	\$ 1,950.00	\$ -	\$ -	\$ -
\$ 450.00	\$ 450.00	\$ 450.00	\$ 900.00	\$ -	\$ -	\$ -
\$ 975.00	\$ 17,550.00	\$ 18,525.00	\$ 36,075.00	\$ -	\$ 1,950.00	\$ 5,850.00
\$ 400.00	\$ 7,200.00	\$ 7,600.00	\$ 14,800.00	\$ -	\$ 800.00	\$ 2,400.00
\$ 18.00	\$ 132,174.00	\$ 80,298.00	\$ 212,472.00	\$ -	\$ 26,100.00	\$ -
\$ 450.00	\$ 6,750.00	\$ 4,500.00	\$ 11,250.00	\$ -	\$ -	\$ 2,250.00
\$ 100.00	\$ 3,700.00	\$ 2,200.00	\$ 5,900.00	\$ -	\$ 400.00	\$ -
\$ 117.00	\$ 224,055.00	\$ 179,595.00	\$ 403,650.00	\$ 15,210.00	\$ 32,058.00	\$ -
\$ 95.00	\$ 218,975.00	\$ 141,170.00	\$ 360,145.00	\$ 18,525.00	\$ 39,045.00	\$ -
\$ 250.00	\$ 40,000.00	\$ 63,500.00	\$ 103,500.00	\$ -	\$ -	\$ -
\$ 13.75	\$ 105,627.50	\$ 21,065.00	\$ 126,692.50	\$ -	\$ 3,066.25	\$ 19,043.75
\$ 20.00	\$ 22,540.00	\$ 1,200.00	\$ 23,740.00	\$ -	\$ -	\$ -
\$ 20.00	\$ 131,100.00	\$ 29,440.00	\$ 160,540.00	\$ -	\$ 4,460.00	\$ 27,700.00
\$ 54.00	\$ 11,340.00	\$ 10,962.00	\$ 22,302.00	\$ -	\$ 2,916.00	\$ 7,020.00
\$ 15.00	\$ 3,150.00	\$ 3,045.00	\$ 6,195.00	\$ -	\$ 810.00	\$ 1,950.00
\$ 18.00	\$ 9,000.00	\$ -	\$ 9,000.00	\$ -	\$ -	\$ -
\$ 50.00	\$ 1,900.00	\$ 300.00	\$ 2,200.00	\$ -	\$ -	\$ -
\$ 50.00	\$ 450.00	\$ 700.00	\$ 1,150.00	\$ -	\$ -	\$ -
\$ 1,375.00	\$ 1,375.00	\$ 750.00	\$ 2,125.00	\$ 1,375.00	\$ 1,750.00	\$ 1,750.00
\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 100,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
\$ 20,000.00	\$ 20,000.00	\$ 7,000.00	\$ 27,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00
\$ 56,000.00	\$ 56,000.00	\$ 35,000.00	\$ 91,000.00	\$ 10,500.00	\$ 10,500.00	\$ 10,500.00
\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -	\$ -
Total Cost	\$ 1,622,271.80	\$ 1,066,739.95	\$ 2,689,011.75	\$ 113,933.30	\$ 216,020.50	\$ 143,330.25

BID
2018-2019 HMA Neighborhood Roads Program

Bid of Cadillac Asphalt hereinafter called Bidder, organized and existing under the laws of or a resident of the State of Michigan, doing business as

A Corporation *
 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 or its representative has made personal investigation at the site 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>4-27-18</u>
<u>2</u>	<u>5-4-18</u>
<u>3</u>	<u>5-8-18</u>

Bidders shall enter the **SAME UNIT PRICE** for items which appear in both the Base Bid for 2018 and 2019 and Alternate Bid section, excepting for lump sum items and the Crew Days item.

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:

2018 NEIGHBORHOOD ROADS PROGRAM

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization, Max 10%	LSUM	1	\$ 50,000	\$ 50,000 ⁰²
2	Pre-Construction Audio-Visual	LSUM	1	\$ 2700	\$ 2700
3	HMA Surface, Rem	Syd	11886	\$ 4 [✓]	\$ 47544
4	HMA Cold Milling	Syd	3938	\$ 4 [✓]	\$ 15752
5	HMA Base Repair	Syd	815	\$ 22 [✓]	\$ 17930
6	Roadway Grading	Sta	35.1	\$ 3200	\$ 112,320
7	Undercut, Special, 1x3	Cyd	380	\$ 60 [✓]	\$ 22800
8	Silt Fence	Ft	1150	\$ 2 [✓]	\$ 2300
9	Curb and Gutter Inlet Filter	Ea	29	\$ 75 [✓]	\$ 2175



CITY OF NOVI
 Rev 4/26/18

2018 NEIGHBORHOOD ROADS PROGRAM

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
10	Driveway Opening, Conc, Det M	Ft	119	\$ 22	\$ 2618 ✓
11	Sidewalk Rem	Syd	164	\$ 8 ✓	\$ 1312
12	Sidewalk Ramp, Conc, 6 inch	Sft	1475	\$ 8 ✓	\$ 11,800 ✓
13	Detectable Warning Surface	Ft	75	\$ 30 ✓	\$ 2250 ✓
14	Aggregate Base, 21AA Limestone, 8 inch	Syd	14808	\$ 10 ✓	\$ 148,080
15	Aggregate Base, 21AA Limestone, 6 inch	Syd	374	\$ 11 ✓	\$ 4114
16	Dr Structure, Rem	Ea	3	\$ 650	\$ 1950
17	Dr Structure, 24 inch dia	Ea	3	\$ 1575 ✓	\$ 4725
18	Dr Structure Cover, Type J	Ea	2	\$ 1100 ✓	\$ 2200
19	Dr Structure Cover, Type K	Ea	1	\$ 810 ✓	\$ 810
20	Dr Structure Cover, Adj, Case 1	Ea	18	\$ 295 ✓	\$ 5310
21	Point-Up Drainage Structure	Ea	18	\$ 175 ✓	\$ 3150
22	Underdrain, Subgrade, Open-Graded, 6 inch	Ft	7343	\$ 9 ✓	\$ 66,087
23	Reconstruct Drainage Structure	Ft	15	\$ 250 ✓	\$ 3750
24	Dr Structure Tap, 6 inch	Ea	37	\$ 200 ✓	\$ 7400
25	HMA, SEI	Ton	1915	\$ 97 ✓	\$ 185,755
26	HMA, 3C	Ton	2305	\$ 80 ✓	\$ 184,400
27	HMA Approach	Ton	160	\$ 125 ✓	\$ 20,000
28	Curb and Gutter, Rem	Ft	7682	\$ 4 ✓	\$ 30,728
29	Curb and Gutter, Conc, Det F2	Ft	1127	\$ 22	\$ 24,794 ✓
30	Curb and Gutter, Conc, Det D2	Ft	6555	\$ 22	\$ 144,210 ✓
31	Concrete Driveway	Syd	210	\$ 69	\$ 14,490 ✓
32	Pavt, Rem	Syd	210	\$ 15 ✓	\$ 3150
33	Conduit, Schedule 40, 4 inch	Ft	500	\$ 20 ✓	\$ 10,000
34	Sign, Type IIIB, R1-1	Sft	38	\$ 50 ✓	\$ 1900
35	Sign, Type IIIB, R1-2	Sft	9	\$ 50 ✓	\$ 450
36	Permanent Pavement Markings	LSUM	1	\$ 1375 ✓	\$ 1375



CITY OF NOVI
Rev 4/26/18

2018 NEIGHBORHOOD ROADS PROGRAM

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
37	Maintaining Traffic	LSUM	1 ✓	\$ 43425	\$ 43425
38	Surface Restoration	LSUM	1 ✓	\$ 25000	\$ 25000
39	Crew Days	Day	60 ✓	\$ 700.00	\$ 42000
40	RCOC Permit Allowance	Dir	2500 ✓	\$ 2500 1	\$ 2500
TOTAL 2018 BID:					\$ 1,273,254

2019 NEIGHBORHOOD ROADS PROGRAM

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization, Max 10%	LSUM	1	\$ 48000	\$ 48000 (JP)
2	Pre-Construction Audio-Visual	LSUM	1	\$ 1275	\$ 1275 ✓
3	HMA Surface, Rem	Syd	6829	\$ 4 ✓	\$ 27316
4	HMA Cold Milling	Syd	5858	\$ 4 ✓	\$ 23432
5	HMA Base Repair	Syd	1235	\$ 22 ✓	\$ 27170 (JP)
6	Roadway Grading	Sta	³²⁰⁰ 22	\$ 3100 ✓	\$ 74800 70400
7	Undercut, Special, 1x3	Cyd	40060	\$ 63 ✓	\$ 25200 24000 (JP)
8	Silt Fence	Ft	700	\$ 2 ✓	\$ 1400
9	Curb and Gutter Inlet Filter	Ea	20 ⁷⁵	\$ 80 ✓	\$ 1640 1500 (JP)
11	Sidewalk Rem	Syd	172	\$ 8 ✓	\$ 1376
12	Sidewalk Ramp, Conc, 6 inch	Sft	1581	\$ 8 ✓	\$ 12648 ✓
13	Detectable Warning Surface	Ft	60	\$ 30 ✓	\$ 1800 ✓
14	Aggregate Base, 21AA Limestone, 8 inch	Syd	8462 ¹⁰	\$ 11 ✓	\$ 92082 84,620 (JP)
15	Aggregate Base, 21AA Limestone, 6 inch	Syd	379	\$ 11 ✓	\$ 4169
16	Dr Structure, Rem	Ea	2 ⁶⁵⁰	\$ 683 ✓	\$ 1266 1300 (JP)
17	Dr Structure, 24 inch dia	Ea	2 ¹⁵⁷⁵	\$ 1725 ✓	\$ 3450 3150 (JP)
18	Dr Structure Cover, Type J	Ea	1 ¹¹⁰⁰	\$ 1200 ✓	\$ 1200 1100 (JP)
19	Dr Structure Cover, Type K	Ea	1 ⁸¹⁰	\$ 820 ✓	\$ 810 (JP)
20	Dr Structure Cover, Adj, Case 1	Ea	19 ²⁹⁵	\$ 310 ✓	\$ 5890 5605 (JP)
21	Point-Up Drainage Structure	Ea	19 ¹⁷⁵	\$ 189 ✓	\$ 3496 3325 (JP)



CITY OF NOVI
Rev 4/26/18

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
22	Underdrain, Subgrade, Open-Graded, 6 inch	Ft	4461 ⁹	\$ 70	\$ 44610
23	Reconstruct Drainage Structure	Ft	10 ²⁵⁰	\$ 263	\$ 2630
24	Dr Structure Tap, 6 inch	Ea	22 ²⁰⁰	\$ 210	\$ 4620
25	HMA, 5E1	Ton	1535 ⁹⁷	\$ 95.0	\$ 142755
26	HMA, 3C	Ton	1486 ⁸⁰	\$ 83.0	\$ 123,338
27	HMA Approach	Ton	254	\$ 125	\$ 31750
28	Curb and Gutter, Rem	Ft	1532 ⁴	\$ 5	\$ 2660
29	Curb and Gutter, Conc, Det F2	Ft	60	\$ 22	\$ 1320
30	Curb and Gutter, Conc, Det D2	Ft	1472	\$ 22	\$ 32384
31	Concrete Driveway	Syd	203	\$ 69	\$ 14007
32	Pavt, Rem	Syd	203	\$ 15	\$ 3045
34	Sign, Type IIIB, R1-1	Sft	6	\$ 50	\$ 300
35	Sign, Type IIIB, R1-2	Sft	14	\$ 50	\$ 700
36	Permanent Pavement Markings	LSUM	1	\$ 750	\$ 750
37	Maintaining Traffic	LSUM	1	\$ 30000	\$ 30000
38	Surface Restoration	LSUM	1	\$ 10000	\$ 10000
39	Crew Days	Day	50 [✓]	\$ 700.00	\$ 35000
40	RCOC Permit Allowance	DLR	2500	\$ 2500	\$ 2500
TOTAL 2019 BID:				\$	\$ 846,919

(JD) 40,149
 2500 (JD)
 4400 (JD)
 148,895 (JD)
 118,580 (JD)
 6128 (JD)
 (JD) 827,104

Alternate Bid 1 - Vero Court

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization, Max 10%	LSUM	1 ✓	\$ 5000	\$ 5000
2	Pre-Construction Audio-Visual	LSUM	1 ✓	\$ 725	\$ 725
3	HMA Surface, Rem	Syd	1076 ✓	\$ 5	\$ 5380
6	Roadway Grading	Sta	2 ✓	\$ 3400	\$ 6800
7	Undercut, Special, 1x3	Cyd	35 ✓	\$ 63	\$ 2205
8	Silt Fence	Ft	125 ✓	\$ 2	\$ 250



CITY OF NOVI
Rev 4/26/18

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
14	Aggregate Base, 21AA Limestone, 8 inch	Syd	✓ 1076	\$ 11	\$ 11836
25	HMA, 5E1	Ton	✓ 130 (JD)	\$ 130 \$ 140	\$ 16900
26	HMA, 3C	Ton	✓ 195 (JD)	\$ 140 \$ 130	\$ 27300
36	Permanent Pavement Markings	LSUM	✓ 1	\$ 750	\$ 750
37	Maintaining Traffic	LSUM	✓ 1	\$ 3500	\$ 3500
38	Surface Restoration	LSUM	✓ 1	\$ 2500	\$ 2500
39	Crew Days	Day	✓ 7	\$ 700.00	\$ 4900
TOTAL ALTERNATE BID 3:					\$ 87,396 ⁰⁰

18200
25350

Alternate Bid 2 - Vasilios Court

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization, Max 10%	LSUM	✓ 1	\$ 5000	\$ 5000
2	Pre-Construction Audio-Visual	LSUM	✓ 1	\$ 750	\$ 750
3	HMA Surface, Rem	Syd	✓ 2265	\$ 5	\$ 11325
6	Roadway Grading	Sta	✓ 6.7	\$ 3400	\$ 22780
7	Undercut, Special, 1x3	Cyd	✓ 35	\$ 63	\$ 2205
8	Silt Fence	Ft	✓ 125	\$ 2	\$ 250
9	Curb and Gutter Inlet Filter	Ea	✓ 2	\$ 80	\$ 160
14	Aggregate Base, 21AA Limestone, 8 inch	Syd	✓ 2327	\$ 11	\$ 25597
15	Aggregate Base, 21AA Limestone, 6 inch	Syd	✓ 79	\$ 11	\$ 869
20	Dr Structure Cover, Adj, Case 1	Ea	✓ 2	\$ 310	\$ 620
21	Point-Up Drainage Structure	Ea	✓ 2	\$ 184	\$ 368
22	Underdrain, Subgrade, Open-Graded, 6 inch	Ft	✓ 1450	\$ 10	\$ 14500
24	Dr Structure Tap, 6 inch	Ea	✓ 4	\$ 210	\$ 840
25	HMA, 5E1	Ton	✓ 274	\$ 120	\$ 32880
26	HMA, 3C	Ton	✓ 411	\$ 100	\$ 41100
28	Curb and Gutter, Rem	Ft	✓ 223	\$ 5	\$ 1115
30	Curb and Gutter, Conc, Det D2	Ft	223	\$ 25	\$ 5575



CITY OF NOVI
Rev 4/26/18

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
31	Concrete Driveway	Syd	54	\$469	\$3726
32	Pavt, Rem	Syd	54 ✓	\$20	\$1200
36	Permanent Pavement Markings	LSUM	1 ✓	\$750	\$750
37	Maintaining Traffic	LSUM	1 ✓	\$5000	\$5000
38	Surface Restoration	LSUM	1 ✓	\$7500	\$7500
39	Crew Days	Day	15	\$700.00	\$10,500
TOTAL ALTERNATE BID 2:					\$194,610

Alternate Bid 3 – Anchorage Court

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization, Max 10%	LSUM	1 ✓	\$2500	\$2500
2	Pre-Construction Audio-Visual	LSUM	1 ✓	\$750	\$750
8	Silt Fence	Ft	125 ✓	\$2	\$250
9	Curb and Gutter Inlet Filter	Ea	6 ✓	\$80	\$480
11	Sidewalk Rem	Syd	42 ✓	\$8	\$336
12	Sidewalk Ramp, Conc, 6 inch	Sft	371	\$8 ✓	\$2968
13	Detectable Warning Surface	Ft	15	\$30 ✓	\$450
14	Aggregate Base, 21AA Limestone, 8 inch	Syd	1385 ✓	\$11	\$15235
15	Aggregate Base, 21AA Limestone, 6 inch	Syd	197 ✓	\$11	\$2167
20	Dr Structure Cover, Adj, Case 1	Ea	6 ✓	\$310	\$1860
21	Point-Up Drainage Structure	Ea	6 ✓	\$184	\$1104
23	Reconstruct Drainage Structure	Ft	5 ✓	\$263	\$1315
28	Curb and Gutter, Rem	Ft	1385	\$5 ✓	\$6925
30	Curb and Gutter, Conc, Det D2	Ft	1385	\$22 ✓	\$30470
31	Concrete Driveway	Syd	130	\$69 ✓	\$8970
32	Pavt, Rem	Syd	130 ✓	\$5	\$650
36	Permanent Pavement Markings	LSUM	1 ✓	\$750	\$750
37	Maintaining Traffic	LSUM	1 ✓	\$5000	\$5000



Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
38	Surface Restoration	LSUM	1	\$ 5000	\$ 5000
39	Crew Days	Day	10	\$ 700.00	\$ 7000
TOTAL ALTERNATE BID:				\$	94,180

BID SUMMARY

2018 Neighborhood Roads Program	\$ 1,273,254 ⁰⁰	
2019 Neighborhood Roads Program	\$ 846,919 ⁰⁴	827,104 ⁰⁴ (JD)
ALTERNATE BID 1	\$ 87,396 ⁰⁴	
ALTERNATE BID 2	\$ 194,610 ⁰²	
ALTERNATE BID 3	\$ 94,180 ⁰⁴	
TOTAL BID	\$ 2,496,359 ⁰⁴	\$ 2,476,544 ⁰⁴ (JD)

Bidders must provide unit prices for all items and a quantity for the Crew Day Item.

The City's intent is to award to the lowest responsible bidder. Funding for the project is limited and the City may elect to eliminate roadways from the contract, reduce the length of roadways included in the project, or potentially add roadways with similar work to the project in order to match the available budget.

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.

No work may begin prior to June 18, 2018. No work may begin prior to the formal award of contract.

Work for the 2019 roadways may not begin until June 17, 2019.

Substantial Completion for 2018 roadways shall be no later than October 20, 2018.

Substantial Completion for 2019 roadways shall be no later than October 19, 2019.

Final Completion for 2018 roadways shall be no later than November 3, 2018.

Final Completion for 2019 roadways shall be no later than November 2, 2019.

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



CITY OF NOVI
Rev 4/26/18

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 dates listed above, the OWNER will suffer a damage of One Thousand Three Hundred Dollars (\$1,300.00) per 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 5-9-18
Date*

51777 12 Mile
Street*

Wixom, MI 48393
City, State, ZIP*

248-380-3645
Telephone Number*

248-347-2589
Facsimile Number*

BY: Cadillac Asphalt
Name of Bidder*

[Signature]
Signature

Jim Bliss Area Manager
Name and Title of Signatory*

*Typed or printed in ink.



CITY OF NOVI
Rev 4/26/18