



CITY of NOVI CITY COUNCIL

**Agenda Item 7
June 17, 2019**

SUBJECT: Approval to award the construction contract for the road rehabilitation associated with Cabot Drive from 12 Mile to 13 Mile Roads, Lewis Drive from Cabot Drive to Haggerty Road, Trans X Road, and the intersection of West Oaks and Donelson Drives to Cadillac Asphalt, LLC, the low bidder, in the amount of \$1,731,005.72.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

CITY MANAGER APPROVAL: *PR*

EXPENDITURE REQUIRED	\$ 1,253,643.16 Cabot Drive and Lewis Drive \$ 393,222.68 Trans X Road \$ 84,139.88 West Oaks & Donelson Drives \$ 1,731,005.72 Total
AMOUNT BUDGETED	\$ 1,492,322 Cabot Drive and Lewis Drive (FY 2019-20 Budget) \$ 526,637 Trans X Road (FY 2018-19 Budget Rollover) \$ 119,872 West Oaks & Donelson Drives (FY 2018-19 Budget Rollover)
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	202-202.00-865.031 Cabot Drive and Lewis Drive 202-202.00-865.174 Trans-X Road 202-202.00-865.103 West Oaks & Donelson Drives

BACKGROUND INFORMATION:

The corridor along Cabot Drive from 12 Mile to 13 Mile and along Lewis Drive from Cabot Drive to Haggerty Road is comprised of several commercial businesses and is centrally located near I-96, I-696, and I-275 highways. Both roadways are currently three-lanes with a center left turn lane and experience high volumes of traffic (passenger vehicles and trucks). The center left turn lane is frequently used for logistical off-loading operations. The PASER rating for Cabot Drive is currently rated as a PASER 2; while, Lewis Drive is rated as a PASER 3. Trans X Road is also comprised of several industrial and commercial businesses and is centrally located near I-96, I-696, and I-275 highways. Trans X Road experiences a good amount of truck traffic on a daily basis, which has led to the disrepair of the existing pavement. Trans X Road is currently rated as a PASER 1 and 2. The intersection of West Oaks and Donelson Drives also has a large volume of passenger vehicle and truck traffic along West Oaks Drive from Novi Road in the Twelve Mile Crossing at Fountain Walk. Currently, the intersection is rated as a PASER 2 and is in need of repair.

The following improvements are proposed for each project:

- **Cabot Drive (12 Mile to 13 Mile) & Lewis Drive (Cabot Drive to Haggerty Road)** – Work includes cold milling the existing concrete pavement, repairing the joints with asphalt and overlaying the concrete surface with a three-inch hot mix asphalt overlay. The curbs along both roadways have some areas that are in disrepair and will be spot repaired as-necessary. The existing handicap ramps at the intersection of Cabot Drive and Lewis Drive will also be upgraded to current ADA standards.

- **Trans X Road** - Work includes cold milling the existing concrete pavement, repairing the joints with asphalt and overlaying the concrete surface with a three-inch hot mix asphalt overlay. Project limits are from 485 feet east of Novi Road to the cul-de-sac located at the end of Trans X Road. Given that this corridor is mainly comprised of both light and heavy industrial businesses, the City's Engineering Consultant, AECOM, recommended the use of Asphalt Fibers (known as FORTA Fi Aramid Asphalt Fibers) to be added to the asphalt mix. The FORTA fibers will create a 3-Dimensional matrix throughout the asphalt mix to better bind the aggregates, which will reduce rutting, and the size of reflective cracking of the pavement. The manufacturer of the FORTA Fibers claims the longevity of the pavement will increase by up to 50% (an additional 3-5 years). Ultimately, by using this fix, the pavement is predicted to last for 8-12 years.
- **West Oaks Drive and Donelson Drive Intersection** – Work includes cold milling and resurfacing the intersection, and removing/replacing the existing MDOT Detail "M" driveway gutter flowline on the west side of Donelson Drive opposite West Oaks Drive. Related drainage and grading improvements will also be incorporated. This work will start after the RCOC's project at 12 Mile/ Novi Intersection is reopened to thru traffic.

The rehabilitation would improve roadway life cycles by up to 10 years, while also reducing construction cost when compared to a complete road reconstruction.

Engineering staff advertised the plans for public bids on May 13, 2019. Following the solicitation period, two (2) bids were received and opened on May 29, 2019. The bid submitted by Cadillac Asphalt, 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 is the award recommendation letter and bid tabulation. The summary of the bid tabulation is as follows:

Contractor	Base Bid (including Crew Days)*
Cadillac Asphalt, LLC	\$ 1,790,505.72
Florence Cement Company	\$ 1,903,683.00

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

The construction engineering services and geotechnical engineering services related to this project will be awarded to the following pre-qualified firms using the fee percentages in the Agreements for Professional Engineering Services and Geotechnical Engineering Services for Public Projects.

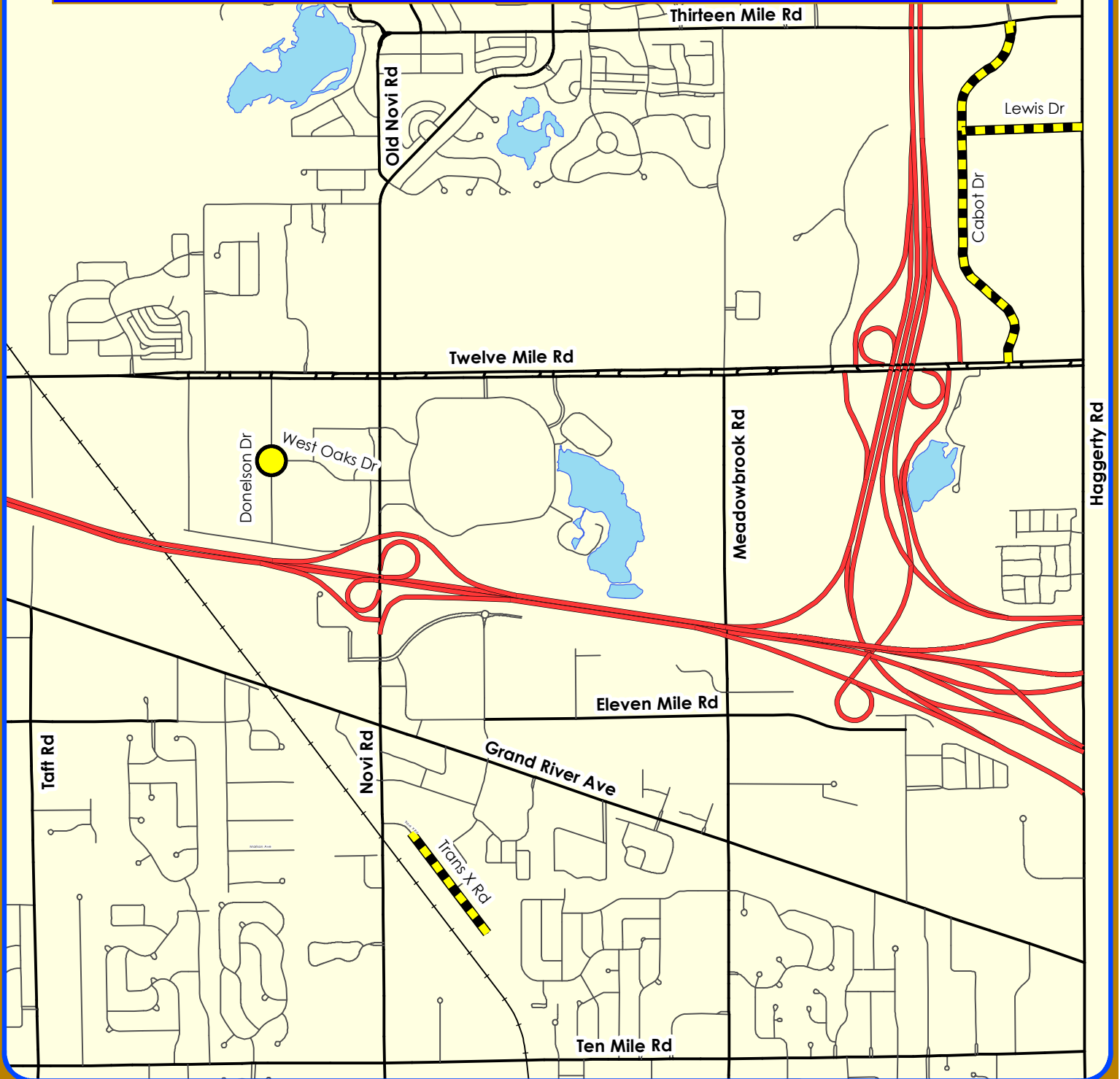
AECOM		
Contract Administration	3% of the construction award	\$51,930.17
Crew Days	\$700 daily inspection fee x 85 days	\$59,500.00
Testing Engineers and Consultants (TEC)		
Material testing services	1.9% of construction award	\$32,889.11

Work will start after July 1, 2019. It is anticipated these projects will be substantially complete by fall 2019.

RECOMMENDED ACTION: Approval to award the construction contract for the road rehabilitation associated with Cabot Drive from 12 Mile to 13 Mile Roads, Lewis Drive from Cabot Drive to Haggerty Road, Trans X Road, and the intersection of West Oaks Drive and Donelson Drive to Cadillac Asphalt, LLC, the low bidder, in the amount of \$1,731,005.72.

Trans X Road, Donelson/West Oaks Drive Intersection, Cabot Drive and Lewis Drive Rehabilitations

Location Map



Map Author: Aaron Staup
 Date: May 24, 2019
 Project: Cabot, Lewis, Trans X, Donelson, West Oaks
 Version: 2

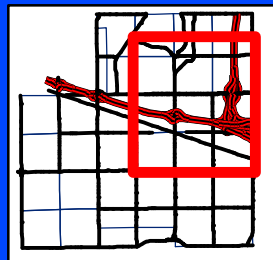
Amended By:
 Date:
 Department:

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 = 2,151 feet





May 30, 2019
Mr. George Melistas
City of Novi
Engineering Department
26300 Lee BeGole Drive
Novi, MI 48375

Reference: Bid Analysis and Contract Award Recommendation
Cabot Dr, Lewis Dr, Trans X Rd and Donelson Dr Rehabilitation
AECOM Project Number 60595280

Dear Mr. Melistas:

Attached is the Bid Tabulation for the above referenced project. Two bids were received and opened on May 29, 2019. Competition appears to have been very good. No irregularities are noted in the bids.

The low bid is approximately 4% under the Engineer's Estimate for the Base Project plus both alternates.

Cadillac Asphalt, LLC, the low bidder for the base project, has completed similar projects for the city and has 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 for the Base Bid Work (Cabot Dr and Lewis Dr) and also for Alternate 1 (Trans X Rd) and Alternate 2 (Donelson Dr) to Cadillac Asphalt, LLC for \$1,731,005.72. The amount bid for Inspection (Crew Days) is 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

TABULATION OF BIDS
CABOT DR, LEWIS DR, TRANS X RD AND DONELSON DR REHABILITATION
28-May-19

Item	Item Description	Unit	Engineers Estimate				Cadillac Asphalt, LLC					Florence Cement Company									
			Total Quan	Base Quan	Alt 1 Quan	Alt 2 Quan	Unit Price	Base Bid	Alt 1	Alt 2	Total (Base plus Alts)	Unit Price	Base Bid	Alt 1	Alt 2	Total (Base plus Alts)	Unit Price	Base Bid	Alt 1	Alt 2	Total (Base plus Alts)
1	Mobilization, Max 10%	LS	1	1	0	0	\$129,759.95	\$129,759.95	\$0.00	\$0.00	\$129,759.95	\$85,000.00	\$85,000.00	\$0.00	\$0.00	\$85,000.00	\$140,000.00	\$140,000.00	\$0.00	\$0.00	\$140,000.00
2	Mobilization, Max 10% (Alt 1)	LS	1	0	1	0	\$33,685.35	\$0.00	\$33,685.35	\$0.00	\$33,685.35	\$40,000.00	\$0.00	\$40,000.00	\$0.00	\$40,000.00	\$30,000.00	\$0.00	\$30,000.00	\$0.00	\$30,000.00
3	Mobilization, Max 10% (Alt 2)	LS	1	0	0	1	\$3,524.85	\$0.00	\$0.00	\$3,524.85	\$3,524.85	\$6,500.00	\$0.00	\$0.00	\$6,500.00	\$6,500.00	\$6,000.00	\$0.00	\$0.00	\$6,000.00	\$6,000.00
4	Pre-Construction Audio-Visual	LS	1	1	0	0	\$1,000.00	\$1,000.00	\$0.00	\$0.00	\$1,000.00	\$1,575.00	\$1,575.00	\$0.00	\$0.00	\$1,575.00	\$1,575.00	\$1,575.00	\$0.00	\$0.00	\$1,575.00
5	Pre-Construction Audio-Visual (Alt 1)	LS	1	0	1	0	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$1,075.00	\$0.00	\$1,075.00	\$0.00	\$1,075.00	\$1,075.00	\$0.00	\$1,075.00	\$0.00	\$1,075.00
6	Pre-Construction Audio-Visual (Alt 2)	LS	1	0	0	1	\$200.00	\$0.00	\$0.00	\$200.00	\$200.00	\$925.00	\$0.00	\$0.00	\$925.00	\$925.00	\$925.00	\$0.00	\$0.00	\$925.00	\$925.00
7	Cold Milling Conc Surface (1 inch Unif)	Syd	8321	0	8321	0	\$3.00	\$0.00	\$24,963.00	\$0.00	\$24,963.00	\$3.08	\$0.00	\$25,628.68	\$0.00	\$25,628.68	\$3.20	\$0.00	\$26,627.20	\$0.00	\$26,627.20
8	Cold Milling Conc Surface (Var - 3 inch max)	Syd	32252	32252	0	0	\$5.00	\$161,260.00	\$0.00	\$0.00	\$161,260.00	\$3.08	\$99,336.16	\$0.00	\$0.00	\$99,336.16	\$3.50	\$112,882.00	\$0.00	\$0.00	\$112,882.00
9	Cold Milling HMA Surface (1.5 inch Unif)	Syd	886	0	0	886	\$4.00	\$0.00	\$0.00	\$3,544.00	\$3,544.00	\$3.08	\$0.00	\$0.00	\$2,728.88	\$2,728.88	\$9.70	\$0.00	\$0.00	\$8,594.20	\$8,594.20
10	Curb and Gutter, Remove	Ft	853	707	64	82	\$12.00	\$8,484.00	\$768.00	\$984.00	\$10,236.00	\$20.00	\$14,140.00	\$1,280.00	\$1,640.00	\$17,060.00	\$26.00	\$18,382.00	\$1,664.00	\$2,132.00	\$22,178.00
11	Sidewalk, Rem	Syd	150	110	0	40	\$8.00	\$880.00	\$0.00	\$320.00	\$1,200.00	\$12.00	\$1,320.00	\$0.00	\$480.00	\$1,800.00	\$24.00	\$2,640.00	\$0.00	\$960.00	\$3,600.00
12	Remove Pavement, Repair	Syd	297	297	0	0	\$10.00	\$2,970.00	\$0.00	\$0.00	\$2,970.00	\$28.00	\$8,316.00	\$0.00	\$0.00	\$8,316.00	\$23.00	\$6,831.00	\$0.00	\$0.00	\$6,831.00
13	Remove HMA Pavement	Syd	118	0	40	78	\$10.00	\$0.00	\$400.00	\$780.00	\$1,180.00	\$18.00	\$0.00	\$720.00	\$1,404.00	\$2,124.00	\$25.00	\$0.00	\$1,000.00	\$1,950.00	\$2,950.00
14	Aggregate Base, 21AA Limestone, 8 inch	Syd	132	14	40	78	\$15.00	\$210.00	\$600.00	\$1,170.00	\$1,980.00	\$20.00	\$280.00	\$800.00	\$1,560.00	\$2,640.00	\$30.00	\$420.00	\$1,200.00	\$2,340.00	\$3,960.00
15	Aggregate Base, 21AA Limestone, 4 inch	Syd	162	122	0	40	\$12.00	\$1,464.00	\$0.00	\$480.00	\$1,944.00	\$10.00	\$1,220.00	\$0.00	\$400.00	\$1,620.00	\$30.00	\$3,660.00	\$0.00	\$1,200.00	\$4,860.00
16	Concrete Pavement Repair, Nonrein, 10 inch	Syd	260	260	0	0	\$75.00	\$19,500.00	\$0.00	\$0.00	\$19,500.00	\$65.00	\$16,900.00	\$0.00	\$0.00	\$16,900.00	\$90.00	\$23,400.00	\$0.00	\$0.00	\$23,400.00
17	Joint Repair	Ft	44179	34172	10007	0	\$12.50	\$427,150.00	\$125,087.50	\$0.00	\$552,237.50	\$4.00	\$136,688.00	\$40,028.00	\$0.00	\$176,716.00	\$8.00	\$273,376.00	\$80,056.00	\$0.00	\$353,432.00
18	Silt Fence	Ft	250	200	50	0	\$2.50	\$500.00	\$125.00	\$0.00	\$625.00	\$2.00	\$400.00	\$100.00	\$0.00	\$500.00	\$5.00	\$1,000.00	\$250.00	\$0.00	\$1,250.00
19	Curb and Gutter Inlet Filter	Ea	66	58	8	0	\$120.00	\$6,960.00	\$960.00	\$0.00	\$7,920.00	\$150.00	\$8,700.00	\$1,200.00	\$0.00	\$9,900.00	\$120.00	\$6,960.00	\$960.00	\$0.00	\$7,920.00
20	Conc Curb	Ft	751	687	64	0	\$25.00	\$17,175.00	\$1,600.00	\$0.00	\$18,775.00	\$35.00	\$24,045.00	\$2,240.00	\$0.00	\$26,285.00	\$30.00	\$20,610.00	\$1,920.00	\$0.00	\$22,530.00
21	Driveway Opening, Conc, Det M	Ft	302	132	58	112	\$25.00	\$3,300.00	\$1,450.00	\$2,800.00	\$7,550.00	\$25.00	\$3,300.00	\$1,450.00	\$2,800.00	\$7,550.00	\$35.00	\$4,620.00	\$2,030.00	\$3,920.00	\$10,570.00
22	HMA,5E3	Ton	5939	5855	4	80	\$95.00	\$556,225.00	\$380.00	\$7,600.00	\$564,205.00	\$124.00	\$726,020.00	\$496.00	\$9,920.00	\$736,436.00	\$111.00	\$649,905.00	\$444.00	\$8,880.00	\$659,229.00
23	HMA,3E3	Ton	31	2	10	19	\$95.00	\$190.00	\$950.00	\$1,805.00	\$2,945.00	\$200.00	\$400.00	\$2,000.00	\$3,800.00	\$6,200.00	\$250.00	\$500.00	\$2,500.00	\$4,750.00	\$7,750.00
24	HMA, 5E3, with Fiber	Ton	1494	0	1494	0	\$105.00	\$0.00	\$156,870.00	\$0.00	\$156,870.00	\$155.00	\$0.00	\$231,570.00	\$0.00	\$231,570.00	\$140.00	\$0.00	\$209,160.00	\$0.00	\$209,160.00
25	Sidewalk Ramp, Conc, 6 inch	Sft	1456	1097	0	359	\$9.50	\$10,421.50	\$0.00	\$3,410.50	\$13,832.00	\$6.00	\$6,582.00	\$0.00	\$2,154.00	\$8,736.00	\$10.00	\$10,970.00	\$0.00	\$3,590.00	\$14,560.00
26	Detectable Warning Surface	Ft	93	62	0	31	\$55.00	\$3,410.00	\$0.00	\$1,705.00	\$5,115.00	\$38.00	\$2,356.00	\$0.00	\$1,178.00	\$3,534.00	\$40.00	\$2,480.00	\$0.00	\$1,240.00	\$3,720.00
27	Dr Structure Cover, Type J	Ea	15	7	8	0	\$750.00	\$5,250.00	\$6,000.00	\$0.00	\$11,250.00	\$900.00	\$6,300.00	\$7,200.00	\$0.00	\$13,500.00	\$550.00	\$3,850.00	\$4,400.00	\$0.00	\$8,250.00
28	Adjust Structure	Ea	68	59	8	1	\$450.00	\$26,550.00	\$3,600.00	\$450.00	\$30,600.00	\$400.00	\$23,600.00	\$3,200.00	\$400.00	\$27,200.00	\$625.00	\$36,875.00	\$5,000.00	\$625.00	\$42,500.00
29	Point Up Drainage Structure	Ea	44	40	4	0	\$300.00	\$12,000.00	\$1,200.00	\$0.00	\$13,200.00	\$190.00	\$7,600.00	\$760.00	\$0.00	\$8,360.00	\$200.00	\$8,000.00	\$800.00	\$0.00	\$8,800.00
30	Reconstruct Drainage Structure	Ft	64	56	8	0	\$200.00	\$11,200.00	\$1,600.00	\$0.00	\$12,800.00	\$100.00	\$5,600.00	\$800.00	\$0.00	\$6,400.00	\$200.00	\$11,200.00	\$1,600.00	\$0.00	\$12,800.00
31	Permanent Signing	LS	1	1	0	0	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$1,500.00	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$3,000.00	\$540.00	\$540.00	\$0.00	\$0.00	\$540.00
32	Permanent Pavement Markings	LS	1	1	0	0	\$10,000.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00	\$6,965.00	\$6,965.00	\$0.00	\$0.00	\$6,965.00	\$6,965.00	\$6,965.00	\$0.00	\$0.00	\$6,965.00
33	Permanent Pavement Markings (Alt 1)	LS	1	0	1	0	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$2,675.00	\$0.00	\$2,675.00	\$0.00	\$2,675.00	\$2,675.00	\$0.00	\$2,675.00	\$0.00	\$2,675.00
34	Permanent Pavement Markings (Alt 2)	LS	1	0	0	1	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$3,250.00	\$0.00	\$0.00	\$3,250.00	\$3,250.00	\$3,250.00	\$0.00	\$0.00	\$3,250.00	\$3,250.00
35	Maintaining Traffic	LS	1	1	0	0	\$10,000.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00	\$64,000.00	\$64,000.00	\$0.00	\$0.00	\$64,000.00	\$46,024.60	\$46,024.60	\$0.00	\$0.00	\$46,024.60
36	Maintaining Traffic (Alt 1)	LS	1	0	1	0	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$30,000.00	\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$5,000.00
37	Maintaining Traffic (Alt 2)	LS	1	0	0	1	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$45,000.00	\$0.00	\$0.00	\$45,000.00	\$45,000.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$5,000.00
38	Crew Days	Day	\$700	\$700	\$0	\$0	30	21,000	\$0.00	\$0.00	\$21,000.00	50	\$35,000.00	\$0.00	\$0.00	\$35,000.00	78	\$54,600.00	\$0.00	\$0.00	\$54,600.00
39	Crew Days (Alt 1)	Day	\$700	\$0	\$700	\$0	10	0	\$7,000.00	\$0.00	\$7,000.00	20	\$0.00	\$14,000.00	\$0.00	\$14,000.00	22	\$0.00	\$15,400.00	\$0.00	\$15,400.00
40	Crew Days (Alt 2)	Day	\$700	\$0	\$0	\$700	5	0	\$0.00	\$3,500.00	\$3,500.00	15	\$0.00	\$0.00	\$10,500.00	\$10,500.00	9	\$0.00	\$0.00	\$6,300.00	\$6,300.00
	Total Base Bid							\$1,448,359.45	\$377,538.85	\$42,273.35	\$1,868,171.65		\$1,288,643.16	\$407,222.68	\$94,639.88	\$1,790,505.72		\$1,448,265.60	\$393,761.20	\$61,656.20	\$1,903,683.00
	Award Amt (Excludes Crew Days)												\$1,253,643.16	\$393,222.68	\$84,139.88	\$1,731,005.72					

BID

Carot Dr, Lewis Dr, Trans X Rd, and Donelson Dr Rehabilitation

Bid of Cadillac Asphalt LLC hereinafter called Bidder, organized and existing under the laws of or a resident of the State of Michigan, doing business as Cadillac Asphalt 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 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>5-23-19</u>
<u>2</u>	<u>5-28-19</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:

Base Bid – Cabot Drive and Lewis Drive					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization, Max 10%	LS	1	\$ 85000	\$ 85000
4	Pre-Construction Audio-Visual	LS	1	\$ 1575	\$ 1575
8	Cold Milling Conc Surface (Var-3 inch Max)	SYD	32,252	\$ 3 ⁰⁵	\$ 99,336 ⁴⁴
10	Curb and Gutter, Remove	FT	707	\$ 20	\$ 14,140
11	Sidewalk, Rem	SYD	110	\$ 12	\$ 1320
12	Remove Pavement, Repair	SYD	297	\$ 28	\$ 8316
14	Aggregate Base, 21AA Limestone, 8 inch	SYD	14	\$ 20	\$ 280
15	Aggregate Base, 21AA Limestone, 4 inch	SYD	122	\$ 10	\$ 1220
16	Concrete Pavement Repair, Noreinf, 10 inch	SYD	260	\$ 65	\$ 16900



Base Bid – Cabot Drive and Lewis Drive					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
17	Joint Repair	FT	34,172	\$ 4	\$ 136,688
18	Silt Fence	FT	200	\$ 2	\$ 400
19	Curb and Gutter Inlet Filter	EA	58	\$ 150	\$ 8700
20	Conc Curb	FT	687	\$ 35	\$ 24045
21	Driveway Opening, Conc, Det M	FT	132	\$ 25	\$ 3300
22	HMA, 5E3	TON	5,855	\$ 124	\$ 726,020
23	HMA, 3E3	TON	2	\$ 200	\$ 400
25	Sidewalk Ramp, Conc, 6 inch	SFT	1,097	\$ 6	\$ 6582
26	Detectable Warning Surface	FT	62	\$ 38	\$ 2356
27	Dr Structure Cover, Type J	EA	7	\$ 900	\$ 6300
28	Adjust Structure	EA	59	\$ 400	\$ 23600
29	Point Up Drainage Structure	EA	40	\$ 190	\$ 7600
30	Reconstruct Drainage Structure	FT	56	\$ 100	\$ 5600
31	Permanent Signing	LS	1	\$ 3000	\$ 3000
32	Permanent Pavement Markings	LS	1	\$ 6965	\$ 6965
35	Maintaining Traffic	LS	1	\$ 64000	\$ 64,000
38	Crew Days	Day	50	\$700.00	35,000
Total Base Bid:					\$ 1,288,643 ¹⁶

Bid Alternate 1 – Trans X Road					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
2	Mobilization, Max 10% (Alt 1)	LS	1	\$ 40,000	\$ 40,000
5	Pre-Construction Audio-Visual (Alt 1)	LS	1	\$ 1075	\$ 1075
7	Cold Milling Conc Surface (1 inch Unif)	SYD	8,321	\$ 3 ⁰⁸	\$ 25,628 ⁶²
10	Curb and Gutter, Remove	FT	64	\$ 20	\$ 1280
13	Remove HMA Pavement	SYD	40	18	720

Bid Alternate 1 – Trans X Road					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
14	Aggregate Base, 21AA Limestone, 8 inch	SYD	40	\$ 20	\$ 800
17	Joint Repair	FT	10,007	\$ 4	\$ 40,028
18	Silt Fence	FT	50	\$ 2	\$ 100
19	Curb and Gutter Inlet Filter	EA	8	\$ 150	\$ 1200
20	Conc Curb	FT	64	\$ 35	\$ 2240
21	Driveway Opening, Conc, Det M	FT	58	\$ 25	\$ 1450
22	HMA, 5E3	TON	4	\$ 124	\$ 496
23	HMA, 3E3	TON	10	\$ 200	\$ 2000
24	HMA, 5E3, with Fiber	TON	1,494	\$ 155	\$ 231570
27	Dr Structure Cover, Type J	EA	8	\$ 900	\$ 7200
28	Adjust Structure	EA	8	\$ 400	\$ 3200
29	Point Up Drainage Structure	EA	4	\$ 190	\$ 760
30	Reconstruct Drainage Structure	FT	8	\$ 100	\$ 800
33	Permanent Pavement Markings (Alt 1)	LS	1	\$ 2675	\$ 2675
37	Maintaining Traffic (Alt 1)	LS	1	\$ 30000	\$ 30000
39	Crew Days	Day	20	\$700.00	14000
Total Bid Alternate 1 – Trans X Rd.				\$	407,222⁶⁸

Bid Alternate 2 – Donelson Drive					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
3	Mobilization, Max 10% (Alt 2)	LS	1	\$ 6500	\$ 6500
6	Pre-Construction Audio-Visual (Alt 2)	LS	1	\$ 925	\$ 925
9	Cold Milling HMA Surface (1.5 inch Unif)	SYD	886	\$ 308	\$ 2,728 ⁸⁵
10	Curb and Gutter, Remove	FT	82	\$ 20	\$ 1640
11	Sidewalk, Rem	SYD	40	\$ 12	\$ 480
13	Remove HMA Pavement	SYD	78	\$ 18	\$ 1404
14	Aggregate Bae, 21AA Limestone, 8 inch	SYD	78	\$ 20	\$ 1560
15	Aggregate Base, 21AA Limestone, 4 inch	SYD	40	\$ 10	\$ 400
21	Driveway Opening, Conc, Det M	FT	112	\$ 25	\$ 2800
22	HMA, 5E3	TON	80	\$ 124	\$ 9920
23	HMA, 3E3	TON	19	\$ 200	\$ 3800
25	Sidewalk Ramp, Conc, 6 inch	SFT	359	\$ 6	\$ 2154
26	Detectable Warning Surface	FT	31	\$ 38	\$ 1178
28	Adjust Structure	EA	1	\$ 400	\$ 400
34	Permanent Pavement Markings (Alt 2)	LS	1	\$ 3250	\$ 3250
37	Maintaining Traffic (Alt 2)	LS	1	\$ 9500 ⁰⁰	\$ 9500 ⁰⁰
27	Crew Days	Day	15	\$700.00	10,500
Total Bid Alternate 2 – Donelson Dr					\$ 94,639 ⁸⁵



SUBMITTED on 5-29-19
Date*

1785 Rawsonville
Street*

Belleville, MI 48111
City, State, ZIP*

248-380-3645
Telephone Number*

734-485-3228
Facsimile Number*

BY: Cadillac Asphalt LLC
Name of Bidder*

[Signature]
Signature

Jim Bliss Area Manager
Name and Title of Signatory*

*Typed or printed in ink.



CITY OF NOVI

Rev 3/12/15