

CITY OF NOVI CITY COUNCIL APRIL 17, 2023

SUBJECT: Consideration of approval to award the construction contract to Cadillac Asphalt, LLC, the low bidder, for the Industrial Road Rehabilitation project, in the amount of \$2,223,748.76, and amend the budget.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

| EXPENDITURE REQUIRED | \$ 2,223,748.76 |
|------------------------|---|
| AMOUNT BUDGETED | \$ 764,815.00 FY 2022-23 Budget \$ 1,867,890.00 FY 2023-24 Budget \$ 2,632,705.00 Total |
| APPROPRIATION REQUIRED | \$ 300,000.000 |
| LINE ITEM NUMBER | 202-449.20-975.248 |

BACKGROUND INFORMATION:

City staff identified roads for repair in the Beck North Corporate Park and the Beck West Industrial Park (both zoned for light and/or general industrial activity). The project was designed to include a base bid (Magellan Dr and Humboldt Dr) and two alternate bids (Hudson Dr and Desoto/Peary/Ryan Cts) in case of high bid prices. The low bid came in within 0.4% of the Engineer's Estimate, so staff recommends awarding the base bid and both alternate bids.

AECOM assisted the Engineering Division with developing engineering design plans for the project. The plans were advertised for public bids on March 1, 2023. Four (4) bids were received and opened on March 29,2023, following the solicitation period. Cadillac Asphalt, LLC, the low bidder, is recommended in the best interest of the City, as it is responsive and complies with all requirements of the bidding instructions. The award recommendation letter including the bid tabulation is attached. A summary of the bids is as follows:

| Contractor | Total Program Bid (includes Crew Days) * |
|-------------------------------|--|
| Cadillac Asphalt, LLC | \$ 2,319,748.76 |
| Pro-Line Asphalt Paving Corp. | \$ 2,431,991.00 |
| Ajax Paving | \$ 2,948,493.00 |
| Best Asphalt, Inc. | \$ 3,108,160.00 |

^{*}Crew Days are included to compare bids, but not included in the award

The contract administration 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. Construction will occur this summer.

| AECOM | | | | | |
|----------------------------|---|--------------|--|--|--|
| Contract Administration | 2.75% of the construction award (\$2,223,748.78 X 0.0275) | \$ 61,153.09 | | | |
| Crew Days | \$800 daily inspection fee x 120 days | \$ 96,000.00 | | | |

| Geotech | | |
|---------------------------|--|--------------|
| Material testing services | 1.9% of the construction award (\$2,223,748.78 X 0.019) | \$ 42,251.23 |

RECOMMENDED ACTION: Approval to award the construction contract to Cadillac Asphalt, LLC, the low bidder, for the Industrial Road Rehabilitation project, in the amount of \$2,223,748.76, and amend the budget.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED that the following Budget Amendment for the construction contract to Cadillac Asphalt, LLC, the low bidder, for the Industrial Road Rehabilitation project is authorized:

INCREASE (DECREASE)

| MAJOR STREET FUND | MAJOR STREET FUND | | | | |
|---|-------------------|-----------|--|--|--|
| | | | | | |
| APPROPRIATIONS | | | | | |
| Capital Outlay | | 300,000 | | | |
| TOTAL APPROPRIATIONS | \$ | 300,000 | | | |
| | | | | | |
| Net Increase (Decrease) to Fund Balance | \$ | (300,000) | | | |
| | | _ | | | |

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 17, 2023.

Cortney Hanson City Clerk





March 31, 2023 Mr. Ben Croy, PE City of Novi Engineering Department 26300 Lee BeGole Drive Novi, MI 48375

Reference: Bid Analysis and Contract Award Recommendation

Industrial Roads Rehabilitation AECOM Project Number 60689152

Dear Mr. Croy:

Attached is the Bid Tabulation for the above referenced project. Four bids were received and opened on March 29, 2023, although one of the bidders did not attend the mandatory pre-bid meeting and therefore was not in consideration. They were not the lowest bid, so it did not impact the award. Competition appears to have been good. Mathematical errors were noted in the lowest and fourth highest bidders. The errors did not impact the order of the bidders.

The low bid for the base bid work is lower than the Engineer's Estimate for the Project, but the two alternate bids were higher than the Engineer's Estimate for the Project. Excluding Crew Days, the combined bid for the base bid and two alternate bids was only 0.4% higher than the Engineer's Estimate for the Project.

Cadillac Asphalt LLC, the low bidder for the project, has completed similar projects for the city and has performed well. The 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 contract work to Cadillac Asphalt LLC for the Base Bid, Alternate Bid 1, and Alternate Bid 2 for \$2,223,748.76. 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,

Sean Kelsch, P.E. Project Manager

cc: Mark Koskinen, AECOM

City of Novi Industrial Roads Rehabilitation Project Reconstruction Tabulation of Bids Bid Opening: 3/31/2023

| | Bid Opening. 3/3 | | | Engir | neers Estimate | Cadillac A | sphalt, LLC | Pro-Line Aspha | It Paving Corp. | Ajax | Paving | Best Asph | alt, Inc.* |
|----------|---|-------------|-----------------------|-----------------------------|-----------------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------|------------------------------------|-------------------------|
| Item No. | Item Description | Unit | Total Bid Quantity | Unit Price | Total Bid Cost | Unit Price | Total Bid Cost | Unit Price | Total Bid Cost | Unit Price | Total Bid Cost | Unit Price | Total Bid Cost |
| | Base Bid - Magellan Dr & Humboldt Dr | | Quantity | | | | | | | | | | |
| | Mobilization (10%) | LSUM | | \$98,617.80 | \$98,617.80 | \$ 94,000.00 | | \$ 100,000.00 | | \$ 130,000.00 | | \$ 75,000.00 | 75,000.00 |
| | Pre-Construction Audio Visual Cold Milling Conc Pavt | LSUM Syd | 14,418 | \$ 3,000.00 \$ 5.00 | \$3,000.00 \$72,090.00 | | | \$ 1,200.00 \$ 6.00 | | \$ 1,250.00 \$ 5.00 | | \$ 5,000.00 \$ \$ 6.95 \$ | |
| 8 | Cold Milling HMA Surface | Syd | 256 | \$ 5.00 | \$1,280.00 | \$ 23.87 | \$ 6,110.72 | \$ 30.00 | \$ 7,680.00 | \$ 25.00 | \$ 6,400.00 | \$ 80.00 \$ | 20,480.00 |
| | Pavt, Rem HMA Surface, Rem | Syd Syd | 1,488 238 | \$ 17.00 \$ 10.00 | \$25,296.00 \$2,380.00 | | | \$ 15.00 \$ 25.00 | \$ 22,320.00 \$ 5,950.00 | \$ 20.00 \$ 20.00 | | \$ 22.50 \$ \$ 15.00 \$ | 33,480.00 3,570.00 |
| 11 | Curb and Gutter, Rem | Ft | 977 | \$ 8.00 | \$7,816.00 | \$ 37.00 | \$ 36,149.00 | \$ 15.00 | \$ 14,655.00 | \$ 37.00 | \$ 36,149.00 | \$ 17.00 \$ | 16,609.00 |
| 12 | Pavt Repr, Rem Excavation, Earth | Syd Cyd | 150 468 | \$ 40.00 \$ 25.00 | \$6,000.00 \$11,700.00 | | \$ 8,250.00 \$ 16,848.00 | | \$ 4,500.00 \$ 18,720.00 | \$ 55.00 \$ 36.00 | | \$ 30.00 \$ \$ 45.00 \$ | 4,500.00 21,060.00 |
| 14 | Joint Repair | Ft | 12,250 | \$ 10.00 | \$122,500.00 | \$ 1.00 | \$ 12,250.00 | \$ 3.00 | \$ 36,750.00 | \$ 12.00 | \$ 147,000.00 | \$ 20.00 \$ | 245,000.00 |
| 15 16 | Erosion Control, Silt Fence Erosion Control, Inlet Protection, Fabric Drop | Ft Ea | 1,000 24 | \$ 4.00 \$ 125.00 | \$4,000.00 \$3,000.00 | \$ 4.00 \$ 250.00 | \$ 4,000.00 \$ 6,000.00 | \$ 2.00 \$ 100.00 | \$ 2,000.00 \$ 2,400.00 | \$ 4.00 \$ 250.00 | | \$ 4.00 S \$ 85.00 S | 4,000.00 2,040.00 |
| 17 | Conc Curb | Ft | 2,888 | \$ 23.00 | \$66,424.00 | \$ 36.00 | \$ 103,968.00 | \$ 36.00 | \$ 103,968.00 | \$ 36.00 | \$ 103,968.00 | \$ 45.00 \$ | 129,960.00 |
| 18 19 | HMA, 4EML HMA, 5EML | Ton Ton | 1,769 447 | \$ 160.00 \$ 130.00 | \$283,040.00 \$58,110.00 | | | \$ 110.00 \$ 145.00 | \$ 194,590.00 \$ 64,815.00 | \$ 108.00 \$ 170.00 | | \$ 123.53 \$ \$ 183.81 \$ | |
| 20 | Geosynthetic Paving Faric | Syd | 14,418 | \$ 4.00 | \$57,672.00 | | \$ 77,713.02 | | \$ 86,508.00 | \$ 5.00 | | \$ 5.67 | |
| | Hand Patching | Ton | 590 | \$ 175.00 | \$103,250.00 | | \$ 44,250.00 \$ 97,438.00 | \$ 50.00 | \$ 29,500.00 \$ 97,438.00 | \$ 100.00 | | \$ 285.00 \$ | 168,150.00 |
| 22 23 | Driveway, Nonreinf Conc, 9 inch Pavt Repr, Nonreinf Conc, 6 inch | Syd Syd | 1,133 150 | \$ 60.00 \$ 70.00 | \$67,980.00 \$10,500.00 | | \$ 97,438.00 \$ 8,250.00 | | \$ 97,438.00 \$ 8,250.00 | \$ 86.00 \$ 55.00 | | \$ 85.00 S \$ 75.00 S | |
| | Aggregate Base, 21AA, Limestone, 8 inch | Syd | 2,096 | \$ 15.00 | \$31,440.00 | | \$ 48,208.00 | | \$ 37,728.00 | \$ 23.00 | | \$ 20.00 | 41,920.00 |
| 25 26 | Dr Structure Cover, Adj, Case 1 DPS Structure Cover, Adj, Case 1 | Ea Ea | <u>21</u> 5 | \$ 650.00 \$ 650.00 | \$13,650.00 \$3,250.00 | \$ 655.00 \$ 775.00 | \$ 13,755.00 \$ 3,875.00 | | \$ 13,755.00 \$ 3,875.00 | \$ 1,600.00 \$ 1,600.00 | | \$ 1,250.00 \$ \$ 1,500.00 \$ | 26,250.00 7,500.00 |
| 27 | Point Up Drainage Structure | Ea | 22 | \$ 150.00 | \$3,300.00 | \$ 175.00 | \$ 3,850.00 | | \$ 3,850.00 | \$ 400.00 | | \$ 800.00 \$ | 17,600.00 |
| | Reconstruct Drainage Structure Dr Structure Cover, Type C | Ft Ea | 10 | \$ 400.00 \$ 1,000.00 | \$4,000.00 \$3,000.00 | \$ 200.00 \$ 740.00 | \$ 2,000.00 \$ 2,220.00 | | \$ 2,000.00 \$ 2,220.00 | \$ 900.00 \$ 1,000.00 | | \$ 2,500.00 \$ \$ 1,250.00 \$ | 3,750.00 |
| 30 | Permanent Pavemeng Markings | LSUM | 1 | \$ 2,500.00 | \$2,500.00 | \$ 5,500.00 | \$ 5,500.00 | \$ 6,000.00 | \$ 6,000.00 | \$ 4,510.00 | \$ 4,510.00 | \$ 5,000.00 \$ | 5,000.00 |
| | Maintaining Traffic Surface Restoration | LSUM | | \$ 12,500.00 \$ 6,500.00 | | \$ 29,760.00 \$ 7,500.00 | | \$ 120,000.00 \$ 25,000.00 | | \$ 160,000.00 \$ 13,500.00 | | \$ 10,000.00 \$ \$ 30,000.00 \$ | |
| | | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | | |
| - | Base Bid Subtotal | | | | \$1,084,795.80 | | \$ 1,023,692.07 | | \$ 1,102,180.00 | | \$ 1,358,913.00 | | 1,486,066.80 |
| 38 | Crew Days | Day | 40 | \$ 800.00 | \$32,000.00 | 48 | \$ 38,400.00 | 50 | \$ 40,000.00 | 60 | \$ 48,000.00 | 45 \$ | 36,000.00 |
| - | Total Base Bid Construction Cost | | | | \$1,116,795.80 | | \$ 1,062,092.07 | | \$ 1,142,180.00 | | \$ 1,406,913.00 | 9 | 1,522,066.80 |
| | | | | | \$1,110,133.00 | | Ţ 1,002,002.01 | | ,,100.00 | | - 1,100,010.00 | | ,022,000.00 |
| 2 | Alt Bid 1 - Peary Ct, Ryan Ct, & Desoto Ct Mobilization (10%) | LSUM | 1 | \$52,310.40 | \$52,310.40 | \$ 55,000.00 | \$ 55,000.00 | \$ 60,000.00 | \$ 60,000.00 | \$ 65,000.00 | \$ 65,000.00 | \$ 37,500.00 \$ | 37,500.00 |
| 5 | Pre-Construction Audio Visual | LSUM | 1 | \$ 2,000.00 | \$2,000.00 | \$ 1,600.00 | \$ 1,600.00 | \$ 1,200.00 | \$ 1,200.00 | \$ 650.00 | \$ 650.00 | \$ 3,000.00 \$ | 3,000.00 |
| | Cold Milling Conc Pavt Cold Milling HMA Surface | Syd Syd | 7,623 51 | \$ 5.00 \$ 5.00 | \$38,115.00 \$255.00 | \$ 5.25 \$ 23.87 | \$ 40,020.75 \$ 1,217.37 | \$ 6.00 \$ 30.00 | \$ 45,738.00 \$ 1,530.00 | \$ 5.00 \$ 25.00 | | \$ 6.95 \$ \$ 80.00 \$ | |
| 9 | Pavt, Rem | Syd | 807 | \$ 17.00 | \$13,719.00 | \$ 20.00 | \$ 16,140.00 | \$ 15.00 | \$ 12,105.00 | \$ 20.00 | \$ 16,140.00 | \$ 22.50 \$ | 18,157.50 |
| 10 11 | HMA Surface, Rem Curb and Gutter, Rem | Syd Ft | 1,390 | \$ 10.00 \$ 8.00 | \$200.00 \$11,120.00 | | \$ 400.00 \$ 51,430.00 | | \$ 500.00 \$ 20,850.00 | \$ 20.00 \$ 37.00 | | \$ 15.00 \$ \$ 17.00 \$ | 300.00 |
| | Pavt Repr, Rem | Syd | 75 | \$ 40.00 | \$3,000.00 | | \$ 4,125.00 | \$ 30.00 | | \$ 55.00 | | \$ 30.00 | |
| | Excavation, Earth Joint Repair | Cyd Ft | 270 5,050 | \$ 25.00 \$ 10.00 | \$6,750.00 \$50,500.00 | \$ 36.00 \$ 1.00 | \$ 9,720.00 \$ 5,050.00 | | \$ 10,800.00 \$ 15,150.00 | \$ 36.00 \$ 12.00 | | \$ 45.00 \$ \$ 20.00 \$ | 12,150.00 101,000.00 |
| | Erosion Control, Silt Fence | Ft | 500 | \$ 4.00 | \$2,000.00 | | \$ 2,000.00 | | \$ 1,000.00 | \$ 4.00 | \$ 2,000.00 | \$ 4.00 | 2,000.00 |
| 16 | Erosion Control, Inlet Protection, Fabric Drop | Ea | 12 | \$ 125.00 | \$1,500.00 | \$ 250.00 | \$ 3,000.00 | \$ 100.00 | \$ 1,200.00 | \$ 250.00 | \$ 3,000.00 | \$ 85.00 \$ | 1,020.00 |
| 17 18 | Conc Curb HMA, 4EML | Ft Ton | 2,126 922 | \$ 23.00 \$ 160.00 | \$48,898.00 \$147,520.00 | \$ 36.00 \$ 116.46 | \$ 76,536.00 \$ 107,376.12 | \$ 36.00 \$ 110.00 | \$ 76,536.00 \$ 101,420.00 | \$ 36.00 \$ 108.00 | | \$ 45.00 \$ \$ 123.53 \$ | 95,670.00 113,894.66 |
| 19 | HMA, 5EML | Ton | 241 | \$ 130.00 | \$31,330.00 | \$ 165.47 | \$ 39,878.27 | \$ 145.00 | \$ 34,945.00 | \$ 170.00 | \$ 40,970.00 | \$ 183.81 | |
| | Geosynthetic Paving Faric Hand Patching | Syd Ton | 7,623 244 | \$ 4.00 \$ 175.00 | \$30,492.00 \$42,700.00 | | \$ 41,087.97 \$ 18,300.00 | | \$ 45,738.00 \$ 12,200.00 | \$ 5.00 \$ 100.00 | | \$ 5.67 \$ \$ 285.00 \$ | 69,540.00 |
| 22 | Driveway, Nonreinf Conc, 9 inch | Syd | 721 | \$ 60.00 | \$43,260.00 | \$ 86.00 | \$ 62,006.00 | \$ 86.00 | \$ 62,006.00 | \$ 86.00 | \$ 62,006.00 | \$ 85.00 \$ | 61,285.00 |
| | Pavt Repr, Nonreinf Conc, 6 inch Aggregate Base, 21AA, Limestone, 8 inch | Syd Syd | 75 1,213 | \$ 70.00 \$ 15.00 | \$5,250.00 \$18,195.00 | \$ 55.00 \$ 23.00 | \$ 4,125.00 \$ 27,899.00 | \$ 55.00 \$ 18.00 | \$ 4,125.00 \$ 21,834.00 | \$ 55.00 \$ 23.00 | | \$ 75.00 \$ | 5,625.00 |
| 25 | Dr Structure Cover, Adj, Case 1 | Ea | 12 | \$ 650.00 | \$7,800.00 | \$ 655.00 | \$ 7,860.00 | \$ 655.00 | \$ 7,860.00 | \$ 1,600.00 | \$ 19,200.00 | \$ 1,250.00 \$ | 15,000.00 |
| 26 27 | DPS Structure Cover, Adj, Case 1 Point Up Drainage Structure | Ea Ea | 14 | \$ 650.00 \$ 150.00 | \$1,300.00 \$2,100.00 | \$ 775.00 \$ 175.00 | | | \$ 1,550.00 \$ 2,450.00 | \$ 1,600.00 \$ 400.00 | | \$ 1,500.00 \$ \$ 800.00 \$ | 3,000.00 11,200.00 |
| 28 | Reconstruct Drainage Structure | Ft | 4 | \$ 400.00 | \$1,600.00 | \$ 200.00 | \$ 800.00 | \$ 200.00 | \$ 800.00 | \$ 900.00 | \$ 3,600.00 | \$ 2,500.00 \$ | 10,000.00 |
| 29 33 | Dr Structure Cover, Type C Maintaining Traffic | Ea LSUM | <u>4</u> | \$ 1,000.00 \$ 5,000.00 | \$4,000.00 \$5,000.00 | \$ 740.00 \$ 27,500.00 | \$ 2,960.00 \$ 27,500.00 | | \$ 2,960.00 \$ 82,000.00 | \$ 1,000.00 \$ 87,000.00 | | \$ 1,250.00 \$ \$ 5,000.00 \$ | 5,000.00 5,000.00 |
| | Surface Restoration | LSUM | <u>i</u> | | \$4,500.00 | | \$ 5,500.00 | \$ 25,000.00 | \$ 25,000.00 | \$ 10,800.00 | | \$ 30,000.00 | 30,000.00 |
| | Alt Bid 1 Subtotal | | | | \$575,414.40 | | \$ 615,531.48 | | \$ 653,747.00 | | \$ 759,482.00 | | 795,062.63 |
| | All Bid 1 Subtotal | | | | \$373,414.40 | | \$ 013,331.48 | | \$ 055,747.00 | | | , | 795,002.03 |
| 39 | Crew Days | Day | 13 | \$ 800.00 | \$10,400.00 | 36 | \$ 28,800.00 | 25 | \$ 20,000.00 | 36 | \$ 28,800.00 | 20 \$ | 16,000.00 |
| | Total Alt Bid 1 Construction Cost | | | | \$585,814.40 | | \$ 644,331.48 | | \$ 673,747.00 | | \$ 788,282.00 | 9 | 811,062.63 |
| | Alk Pid 2 Hudeen Dr | | | | | | | | | | | | |
| 3 | Alt Bid 2 - Hudson Dr Mobilization (10%) | LSUM | 1 | \$50,539.50 | \$50,539.50 | \$ 60,000.00 | | | \$ 60,000.00 | \$ 75,000.00 | | \$ 37,500.00 \$ | 37,500.00 |
| 6 | Pre-Construction Audio Visual | LSUM | 1 | \$ 2,000.00 | \$2,000.00 | \$ 1,600.00 | \$ 1,600.00 | \$ 1,200.00 | \$ 1,200.00 | \$ 650.00 | \$ 650.00 | \$ 3,500.00 | |
| | Cold Milling Conc Pavt Cold Milling HMA Surface | Syd Syd | 8,200 16 | \$ 5.00 \$ 5.00 | \$41,000.00 \$80.00 | \$ 5.25 \$ 23.87 | \$ 43,050.00 \$ 381.92 | \$ 30.00 | \$ 49,200.00 \$ 480.00 | \$ 5.00 \$ 25.00 | | \$ 80.00 | 1,280.00 |
| 9 | Pavt, Rem | Syd | 451 | \$ 17.00 | \$7,667.00 | \$ 20.00 | \$ 9,020.00 | \$ 15.00 | \$ 6,765.00 | \$ 20.00 | \$ 9,020.00 | \$ 22.50 \$ | |
| | HMA Surface, Rem Curb and Gutter, Rem | Syd Ft | 1,443 | \$ 10.00 \$ 8.00 | \$400.00 \$11,544.00 | \$ 37.00 | | \$ 25.00 \$ 15.00 | | \$ 20.00 \$ 37.00 | | \$ 15.00 \$ \$ 17.00 \$ | |
| 12 | Pavt Repr, Rem | Syd | 80 | \$ 40.00 | \$3,200.00 | \$ 55.00 | \$ 4,400.00 | \$ 30.00 | \$ 2,400.00 | \$ 55.00 | \$ 4,400.00 | \$ 30.00 \$ | 2,400.00 |
| | Excavation, Earth Joint Repair | Cyd Ft | 199 5,450 | \$ 25.00 \$ 10.00 | \$4,975.00 \$54,500.00 | | | \$ 40.00 \$ 3.00 | | \$ 36.00 \$ 12.00 | \$ 65,400.00 | \$ 45.00 \$ \$ 20.00 \$ | |
| 15 | Erosion Control, Silt Fence | Ft | 500 | \$ 4.00 | \$2,000.00 | \$ 4.00 | \$ 2,000.00 | \$ 2.00 | \$ 1,000.00 | \$ 4.00 | \$ 2,000.00 | \$ 4.00 \$ | 2,000.00 |
| | Erosion Control, Inlet Protection, Fabric Drop Conc Curb | Ea Ft | 16 1,443 | \$ 125.00 \$ 23.00 | \$2,000.00 \$33,189.00 | | | | \$ 1,600.00 \$ 51,948.00 | \$ 250.00 \$ 36.00 | | \$ 85.00 \$ \$ 45.00 \$ | |
| 18 | HMA, 4EML | Ton | 992 | \$ 160.00 | \$158,720.00 | \$ 116.46 | \$ 115,528.32 | \$ 110.00 | \$ 109,120.00 | \$ 108.00 | \$ 107,136.00 | \$ 123.53 | 122,541.76 |
| 19 20 | HMA, 5EML Geosynthetic Paving Faric | Ton Syd | 251 8,200 | \$ 130.00 \$ 4.00 | \$32,630.00 \$32,800.00 | | | | \$ 36,395.00 \$ 49,200.00 | \$ 170.00 \$ 5.00 | | \$ 183.81 \$ \$ 5.67 \$ | 46,136.31 46,494.00 |
| 21 | Hand Patching | Ton | 263 | \$ 175.00 | \$46,025.00 | \$ 75.00 | \$ 19,725.00 | \$ 50.00 | \$ 13,150.00 | \$ 100.00 | \$ 26,300.00 | \$ 285.00 \$ | 74,955.00 |
| | Driveway, Nonreinf Conc, 9 inch Pavt Repr, Nonreinf Conc, 6 inch | Syd Syd | 387 80 | \$ 60.00 \$ 70.00 | \$23,220.00 \$5,600.00 | | | \$ 86.00 \$ 55.00 | | \$ 86.00 \$ 55.00 | | \$ 85.00 \$ \$ 75.00 \$ | |
| 24 | Aggregate Base, 21AA, Limestone, 8 inch | Syd | 893 | \$ 15.00 | \$13,395.00 | \$ 23.00 | \$ 20,539.00 | \$ 18.00 | \$ 16,074.00 | \$ 23.00 | \$ 20,539.00 | \$ 20.00 | 17,860.00 |
| 25 | Dr Structure Cover, Adj, Case 1 DPS Structure Cover, Adj, Case 1 | Ea Ea | 14 1 | \$ 650.00 | \$9,100.00 \$650.00 | \$ 655.00 | | \$ 655.00 \$ 775.00 | \$ 9,170.00 \$ 775.00 | \$ 1,600.00 \$ 1,600.00 | \$ 22,400.00 | \$ 1,250.00 \$ \$ 1,500.00 \$ | 17,500.00 1,500.00 |
| 27 | Point Up Drainage Structure | Ea | 14 | \$ 150.00 | \$2,100.00 | \$ 175.00 | \$ 2,450.00 | \$ 175.00 | \$ 2,450.00 | \$ 400.00 | \$ 5,600.00 | \$ 800.00 \$ | 11,200.00 |
| 28 | Reconstruct Drainage Structure | Ft | 4 5 | \$ 400.00 | \$1,600.00 \$5,000.00 | \$ 200.00 | \$ 800.00 | \$ 200.00 \$ 740.00 | \$ 800.00 | \$ 900.00 | \$ 3,600.00 | \$ 2,500.00 \$ | 10,000.00 |
| 31 | Dr Structure Cover, Type C Permanent Pavemeng Markings | Ea LSUM | 1 | \$ 2,500.00 | \$2,500.00 | \$ 7,500.00 | \$ 7,500.00 | \$ 6,000.00 | \$ 6,000.00 | \$ 5,898.00 | \$ 5,898.00 | \$ 7,500.00 \$ | 7,500.00 |
| 34 | Maintaining Traffic | LSUM | 1 | \$ 5,000.00 | \$5,000.00 | \$ 30,220.00 | \$ 30,220.00 | \$ 65,000.00 | \$ 65,000.00 | \$ 87,000.00 | \$ 87,000.00 | \$ 5,000.00 \$ | 5,000.00 |
| 37 | Surface Restoration | LSUM | 1 | \$ 4,500.00 | \$4,500.00 | \$ 7,500.00 | \$ 7,500.00 | \$ 25,000.00 | \$ 25,000.00 | \$ 4,500.00 | \$ 4,500.00 | \$ 30,000.00 \$ | 30,000.00 |
| | Alt Bid 2 Subtotal | | | | \$555,934.50 | | \$ 584,525.21 | | \$ 596,064.00 | | \$ 726,098.00 | \$ | 759,030.57 |
| 40 | Crew Days | Day | 12 | \$ 800.00 | \$9,600.00 | 36 | \$ 28,800.00 | 25 | \$ 20,000.00 | 34 | \$ 27,200.00 | 20 \$ | 16,000.00 |
| L. | | , | .2 | . 500.00 | | 30 | | | | 34 | | | |
| - | Total Alt Bid 2 Construction Cost | | | | \$565,534.50 | | \$ 613,325.21 | | \$ 616,064.00 | | \$ 753,298.00 | 9 | 775,030.57 |
| | | | | | | | | | | | | | |
| | Total Construction Cost | | | | \$2,268,144.70 | | \$2,319,748.76 | | \$2,431,991.00 | | \$2,948,493.00 | | \$3,108,160.00 |
| 1 | indicates corrected entry | | | | Award Amount (Exclud | ies Crew Days) | \$2,223,748.76 | 1 | | | | | |

BID Industrial Roads Rehabilitation

| Bid of CADILLAC ASPHALT LLC | hereinafter called |
|--|-----------------------------|
| Bidder, organized and existing under the laws of or a resident of the State of I | 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 |
|--------------|---------------|
| | 3-3-23 |
| 2 | 3-10-23 |

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 – Magellan Drive & Humboldt Dr | | | | | | | | |
|-------------|---|------|----------|---------------|--------------|--|--|--|--|
| Item No. | Item Description | Unit | Quantity | Unit Price | Total Price | | | | |
| 1 | Mobilization, Max 10% (Base) | LS | 1 | \$ 94,000,0 | \$ 94,0000 | | | | |
| 4 | Pre-Construction Audio-Visual (Base) | LS | 1 | \$ 1606.00 | | | | | |
| 7 | Cold Milling Conc Pavt | Syd | 14,418 | \$ 5.25 | \$ 75,694.50 | | | | |
| 8 | Cold Milling HMA Surface | Syd | 256 | \$ 23.87 | \$ 6110.72 | | | | |
| 9 | Pavt, Rem | Syd | 1,488 | \$ 20.00 | \$ 29760.00 | | | | |
| 10 | HMA Surface, Rem | Syd | 238 | \$ 20.00 | \$ 4760.00 | | | | |
| 11 | Curb and Gutter, Rem | Ft | 977 | \$ 37.00 | \$ 36.149.00 | | | | |
| 12 | Pavt Repr, Rem | Syd | 150 | \$ 55.00 | \$ 825000 | | | | |
| 13 | Excavation, Earth | Cyd | 468 | \$ 3600 | \$ 16848.00 | | | | |
| 14 | Joint Repair | Ft | 12,250 | \$ 1.00 | \$ 12,250.00 | | | | |
| 15 | Erosion Control, Silt Fence | Ft | 1,000 | \$ 4.00 | \$ 400000 | | | | |

| Item | Base Bid - Magellan Dr Item Description | Unit | Quantity | Unit | Total Price |
|-------|--|------|----------|------------|-------------|
| No. | ttem Description | Unit | Quantity | Price | Total Trice |
| 16 | Erosion Control, Inlet Protection, Fabric Drop | Ea | 24 | \$250.00 | \$ 6000.00 |
| 17 | Conc Curb | Ft | 2,888 | \$ 36.00 | \$103,968.0 |
| 18 | HMA, 4EML | Ton | 1,769 | \$11646 | |
| 19 | HMA, 5EML | Ton | 447 | \$165.47 | \$ 73,965.0 |
| 20 | Geosynthetic Paving Fabric | Syd | 14,418 | \$ 5.39 | \$ 17,7130 |
| 21 | Hand Patching | Ton | 590 | \$ 75.00 | \$ 442500 |
| 22 | Driveway, Nonreinf Conc, 9 inch | Syd | 1,133 | \$ 86.00 | \$ 97,438.0 |
| 23 | Pavt Repr, Nonreinf Conc, 6 inch | Syd | 150 | \$ 55.00 | \$ 8250.00 |
| 24 | Aggregate Base, 21AA, Limestone, 8 inch | Syd | 2,096 | \$ 23.00 | \$ 48,208.0 |
| 25 | Dr Structure Cover, Adj, Case 1 | Ea | 21 | \$ 655.00 | \$ 13.755.0 |
| 26 | DPS Structure Cover, Adj, Case 1 | Ea | 5 | \$ 775.00 | \$ 3875.00 |
| 27 | Point Up Drainage Structure | Ea | 22 | \$ 175.00 | \$ 385000 |
| 28 | Reconstruct Drainage Structure | Ft | 10 | \$ 200.00 | |
| 29 | Dr Structure Cover, Type C | Ea | 3 | \$ 74000 | |
| 30 | Permanent Pavement Markings (Base) | LS | 1 | \$ 5500.00 | \$ 5500.00 |
| 32 | Maintaining Traffic (Base) | LS | 1 | \$ 29,7W D | \$ 29760.00 |
| 35 | Surface Restoration (Base) | LS | 1 | \$ 7500.00 | |
| 38 | Crew Days (Base) | Day | 48 | \$800.00 | \$38,400.00 |
| Total | Base Bid: | | | \$ 1,062 | 2,092.17 |

| | Bid Alternate 1 – Peary | Ct, Ryan C | t & Desoto | Ct | |
|-------------|---------------------------------------|------------|------------|---------------|-------------|
| Item No. | Item Description | Unit | Quantity | Unit Price | Total Price |
| 2 | Mobilization, Max 10% (Alt 1) | LS | 1 | \$ 55,000.00 | |
| 5 | Pre-Construction Audio-Visual (Alt 1) | LS | 1 | \$1500.00 | \$ 1500.00 |
| 7 | Cold Milling Conc Pavt | Syd | 7,623 | \$ 5.25 | \$40,020.75 |
| 8 | Cold Milling HMA Surface | Syd | 51 | \$ 23.87 | \$ 1217.37 |
| 9 | Pavt, Rem | Syd | 807 | \$20.00 | \$ 16140.00 |

| Item No. | Item Description | Unit | Quantity | Unit Price | Total Price |
|-------------|--|------|----------|---------------|--------------|
| 10 | HMA Surface, Rem | Syd | 20 | \$ 2000 | \$ 400.00 |
| 11 | Curb and Gutter, Rem | Syd | 1,390 | \$ 37.00 | \$ 51430.00 |
| 12 | Pavt Repr, Rem | Syd | 75 | \$ 5500 | \$ 412500 |
| 13 | Excavation, Earth | Cyd | 270 | \$ 36.00 | \$ 972000 |
| 14 | Joint Repair | Ft | 5,050 | \$ 1.00 | \$ 505000 |
| 15 | Erosion Control, Silt Fence | Ft | 500 | \$ 4.00 | \$ 2000.00 |
| 16 | Erosion Control, Inlet Protection, Fabric Drop | Ea | 12 | \$ 250.00 | \$ 3000.00 |
| 17 | Conc Curb | Ft | 2,126 | \$ 36.00 | \$ 76,536.00 |
| 18 | HMA, 4EML | Ton | 922 | \$116.46 | \$ 107,376 |
| 19 | HMA, 5EML | Ton | 241 | \$165.47 | \$ 39,878. |
| 20 | Geosynthetic Paving Fabric | Syd | 7,623 | \$ 5.39 | \$ 41,087.9 |
| 21 | Hand Patching | Ton | 244 | \$ 75.00 | \$ 18300.00 |
| 22 | Driveway, Nonreinf Conc, 9 inch | Syd | 721 | \$ 8600 | \$ 62.006.0 |
| 23 | Pavt Repr, Nonreinf Conc, 6 inch | Syd | 75 | \$ 55.00 | \$ 4125.00 |
| 24 | Aggregate Base, 21AA, Limestone, 8 inch | Syd | 1,213 | \$ 23.00 | \$ 27,899.0 |
| 25 | Dr Structure Cover, Adj, Case 1 | Ea | 12 | \$ 65500 | \$ 7860.00 |
| 26 | DPS Structure Cover, Ajd, Case 1 | Ea | 2 | \$ 77500 | \$ 1550.00 |
| 27 | Point Up Drainage Structure | Ea | 14 | \$ 175.00 | \$ 2450.06 |
| 28 | Reconstruct Drainage Structure | Ft | 4 | \$ 200.00 | \$ 800.00 |
| 29 | Dr Structure Cover, Type C | Ea | 4 | \$740.00 | \$ 2960.00 |
| 33 | Maintaining Traffic (Alt 1) | LS | 1 | \$ 27,5000 | \$ 27,500.00 |
| 36 | Surface Restoration (Alt 1) | LS | 1 | \$ 550000 | \$ 5500.00 |
| 39 | Crew Days (Alt 1) | Day | 36 | \$800.00 | \$ 28,800.00 |
| Total | Bid Alternate 1 – Peary Ct, Ryan Ct & Desoto | Ct | | \$ 644 | |

644,331.48

| Bid Alternate 2 – Hudson Dr | | | | | | | |
|-----------------------------|--|------|----------|---------------|---------------|--|--|
| Item No. | Item Description | Unit | Quantity | Unit Price | Total Price | | |
| 3 | Mobilization, Max 10% (Alt 2) | LS | 1 | \$ 60,00000 | \$ 60.000.00 | | |
| 6 | Pre-Construction Audio-Visual (Alt 2) | LS | 1 | \$ 1600.00 | \$ 1600.06 | | |
| 7 | Cold Milling Conc Pavt | Syd | 8,200 | \$ 5.25 | \$ 4305000 | | |
| 8 | Cold Milling HMA Surface | Syd | 16 | \$ 23.87 | \$ 381.92 | | |
| 9 | Pavt, Rem | Syd | 451 | \$ 2000 | \$ 9020,06 | | |
| 10 | HMA Surface, Rem | Syd | 40 | \$ 20.00 | \$ 800.00 | | |
| 11 | Curb and Gutter, Rem | Syd | 1,443 | \$ 37.00 | \$ 53.391.00 | | |
| 12 | Pavt Repr, Rem | Syd | 80 | \$55.00 | \$ 4400.00 | | |
| 13 | Excavation, Earth | Cyd | 199 | \$ 3600 | \$ 7164.00 | | |
| 14 | Joint Repair | Ft | 5,450 | \$ 1.00 | \$ 5450.00 | | |
| 15 | Erosion Control, Silt Fence | Ft | 500 | \$ 4.00 | \$ 2000.00 | | |
| 16 | Erosion Control, Inlet Protection, Fabric Drop | Ea | 16 | \$ 25000 | \$ 4000.00 | | |
| 17 | Conc Curb | Ft | 1,443 | \$ 3600 | \$ 51948.00 | | |
| 18 | HMA, 4EML | Ton | 992 | \$116.46 | \$ 115488.64 | | |
| 19 | HMA, 5EML | Ton | 251 | \$ 165.47 | \$ 41532.97 | | |
| 20 | Geosynthetic Paving Fabric | Syd | 8,200 | \$ 5.39 | \$ 44198.00 | | |
| 21 | Hand Patching | Ton | 263 | \$ 75.00 | \$ 19725.00 | | |
| 22 | Driveway, Nonreinf Conc, 9 inch | Syd | 387 | \$ 86.00 | \$ 33282.00 | | |
| 23 | Pavt Repr, Nonreinf Conc, 6 inch | Syd | 80 | \$ 55.00 | \$ 4400.00 | | |
| 24 | Aggregate Base, 21AA, Limestone, 8 inch | Syd | 893 | \$ 23.00 | \$ 20539.00 | | |
| 25 | Dr Structure Cover, Adj, Case 1 | Ea | 14 | \$ 655.00 | \$ 9170.00 | | |
| 26 | DPS Structure Cover, Ajd, Case 1 | Ea | 1 | \$ 775.00 | | | |
| 27 | Point Up Drainage Structure | Ea | 14 | \$ 17500 | | | |
| 28 | Reconstruct Drainage Structure | Ft | 4 | \$200.00 | | | |
| 29 | Dr Structure Cover, Type C | Ea | 5 | \$ 740.00 | | | |
| 31 | Permanent Pavement Markings (Alt 2) | LS | 1 | | 0\$ 7500.00 | | |
| 34 | Maintaining Traffic (Alt 2) | LS | 1 | | p\$ 30 220.00 | | |
| | | 1 | | 1 | | | |

| Bid Alternate 2 – Hudson Dr | | | | | | | | |
|-----------------------------------|-----------------------------|------|----------|---------------|-------------|--|--|--|
| Item No. | Item Description | Unit | Quantity | Unit Price | Total Price | | | |
| 37 | Surface Restoration (Alt 2) | LS | 1 | \$ 7500.00 | \$ 7500.00 | | | |
| 40 | Crew Days (Alt 2) | Day | 36 | \$800.00 | \$ 28800.00 | | | |
| Total Bid Alternate 2 – Hudson Dr | | | | | 285.53 | | | |