



# CITY of NOVI CITY COUNCIL

**Agenda Item 2**  
**April 22, 2014**

**SUBJECT:** Approval to award a construction contract for the 11 Mile Road Reconstruction project (Town Center to Meadowbrook) to Pro-Line Asphalt Paving Corp., the low bidder, in the amount of \$825,064, subject to final review and approval of form of agreement by the City Manager's office and City Attorney.

**SUBMITTING DEPARTMENT:** Department of Public Services, Engineering Division *174 BIC*

**CITY MANAGER APPROVAL:** *W*

<b>EXPENDITURE REQUIRED</b>	<b>\$ 825,064.36</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 930,600.00</b>
<b>LINE ITEM NUMBER</b>	<b>202-202.00-865.672</b>

## BACKGROUND INFORMATION:

Eleven Mile Road between Town Center Drive and Meadowbrook Road is a 0.70-mile long, concrete road that is approximately 22 years old. This segment of road has required repeated intensive maintenance over the past several years to repair failing joints. The road has now deteriorated to a point that it is no longer serviceable and will need to be reconstructed (it would meet the criteria for a PASER rating of 2, or poor, if rated today).

DPS Engineering staff worked with the engineering consultant for this project to evaluate the appropriate paving surface for the reconstructed roadway and determined that Eleven Mile should be reconstructed in asphalt, rather than concrete. This is because maintenance of an asphalt road surface would be more manageable and cost effective throughout the life of the roadway given the types of loads that are imposed on it (the roadway is subjected to repeated heavy loading by DPS vehicles and other heavy trucks). Two pavement interlayers will be installed to further extend the life of the road: geogrid, which is a heavy plastic mesh that will be placed in the aggregate base to increase the support provided by the base layer; and a paving interlayer made of a geotextile fabric, which will be placed below the top lift of asphalt to help resist cracking and waterproof the pavement (i.e., inhibit water from penetrating down to the base layer which can lead to premature structural pavement failures).

The eastern 550 feet of Eleven Mile Road was recently rehabilitated and will not be reconstructed as part of this project. (This asphalt section crosses Bishop Creek and has been maintained separately from the remainder of the road.)

The final cross-section was considered and approved by City Council in February 2014 (see attached February 5, 2014 memo for more information) and will consist of a three lane reconstructed roadway without bike lanes as contemplated in the Non-Motorized Master Plan (bike lanes would require a lengthy right-of-way acquisition process and the road needs immediate attention). The design and construction of pathways along the north and south sides of Eleven Mile are to be designed and constructed in a future year (see requested project in the 2014-2020 Capital Improvements Program). While the City's Non-Motorized Master Plan designates this section of Eleven Mile as a Neighborhood Connector On-Road Route, and although the original road cross-section included bike lanes in both directions, an improved cross-section was approved involving a wider non-

motorized path on the north side in lieu of the on-road bike lanes (as well as a sidewalk on the south side). This would better serve as an appropriate connector to the Metro Connector Trail to be constructed this year on the east side of Meadowbrook Road between Eleven Mile and Twelve Mile Roads.

Five (5) bids were received and opened on April 9, 2014 following a public bid solicitation period. The lowest bidder is Pro-Line Asphalt Paving (Pro-Line). Pro-Line's bid is recommended as being in the best interest of the City as it is responsive (i.e. Pro-Line has complied with all requirements of the bidding instructions) and it is the lowest price. (URS' award recommendation letter including the bid tabulation dated April 10, 2014 is attached.) A summary of the five bids is as follows:

Contractor	Bid Price (including Crew Days)*
<b>Pro-Line Asphalt Paving</b>	<b>\$863,464.36</b>
Pavex Corporation	\$923,552.94
Cadillac Asphalt	\$965,678.72
Ajax Paving Industries	\$986,647.27
Florence Cement Company	\$1,012,744.72

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

The budgeted amount for this project for FY2013-14 is \$930,600 for construction, of which \$825,064 is now being recommended for award to Pro-Line.

It is anticipated that this project will be completed this summer. One-way traffic (eastbound) will be maintained throughout the duration of the project. Businesses along this stretch of Eleven Mile have been notified of the upcoming project, and we will continue to keep them apprised of the planned work once we receive the contractor's work plan and schedule.

**RECOMMENDED ACTION:** Approval to award a construction contract for the 11 Mile Road Reconstruction project (Town Center to Meadowbrook) to Pro-Line Asphalt Paving Corp., the low bidder, in the amount of \$825,064, subject to final review and approval of form of agreement by the City Manager's office and City Attorney.

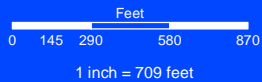
	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

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

# Eleven Mile Reconstruction Town Center Drive to Meadowbrook Road Location Map

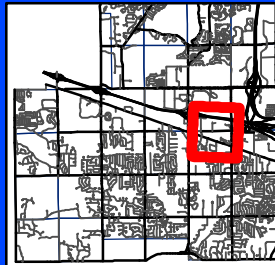


Map Author: Croy  
Date: 1/10/14  
Project: 11 Mile Reconstruction  
Version #: v1.0



**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 232 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



## City of Novi

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



April 10, 2014

Mr. Ben Croy, PE  
City of Novi  
Engineering Department  
26300 Lee Begole Drive  
Novi, MI 48375

Reference: Bid Analysis and Contract Award Recommendation  
11 Mile Road Reconstruction Project  
URS Project Number 12944292

Dear Mr. Croy:

Attached is the Bid Tabulation for the above referenced project. Five (5) bids were received and opened. Competition appears to have been adequate.

There is one minor arithmetic error in the bid received from Pavex Corporation. After correction, the order of bidders did not change. No other irregularities were noted in the bids.

We have called references listed in the statement of qualifications from Pro-Line Asphalt Paving Corporation, the low bidder for the project. They have performed well on similar projects.

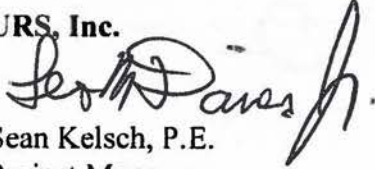
The bonding company listed in their statement of qualifications has an A.M. Best Key rating of "A", which exceeds the minimum requirements.

We therefore recommend award of the contract to Pro-Line Asphalt Paving Corporation for the Bid Amount, excluding crew day costs, of \$825,064.

Please call me at (616) 574-8497 if you need anything else or wish to discuss the project.

Sincerely,

URS, Inc.

  
Sean Kelsch, P.E.  
Project Manager

For:

cc: Cara Parks, URS

**City of Novi**  
**11 Mile Road Reconstruction Project**  
**Town Center Drive to Meadowbrook Road**  
**TABULATION OF BIDS**  
**BIDS OPENED APRIL 9, 2014, 2:00 P.M.**

Item No.	Item Description	Unit	QUANTITY	Engineers Estimate		Pro-Line Asphalt Paving Corp		Pavex Corporation		Ajax Paving Industries, Inc.		Cadillac Asphalt, LLC		Florence Cement Company	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
1	Mobilization (5% Max.)	LS	1	\$ 43,542.00	\$ 43,542.00	\$ 17,000.00	\$ 17,000.00	\$ 31,572.00	\$ 31,572.00	\$ 30,000.00	\$ 30,000.00	\$ 16,500.00	\$ 16,500.00	\$ 50,000.00	\$ 50,000.00
2	Pre-Construction Audio-Visual	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 1,154.57	\$ 1,154.57	\$ 1,070.00	\$ 1,070.00	\$ 1,120.00	\$ 1,120.00	\$ 1,070.00	\$ 1,070.00	\$ 1,070.00	\$ 1,070.00
3	Remove Pavement	Syd	12,853	\$ 3.50	\$ 44,985.50	\$ 2.54	\$ 32,646.62	\$ 4.72	\$ 60,666.16	\$ 8.00	\$ 102,824.00	\$ 8.00	\$ 102,824.00	\$ 8.00	\$ 102,824.00
4	Curb and Gutter, Rem	Ft	110	\$ 5.00	\$ 550.00	\$ 4.94	\$ 543.40	\$ 6.00	\$ 660.00	\$ 12.00	\$ 1,320.00	\$ 12.00	\$ 1,320.00	\$ 12.00	\$ 1,320.00
5	Roadway Grading	Sta	30.5	\$ 1,500.00	\$ 45,750.00	\$ 1,131.74	\$ 34,518.07	\$ 1,743.00	\$ 53,161.50	\$ 2,000.00	\$ 61,000.00	\$ 2,000.00	\$ 61,000.00	\$ 1,500.00	\$ 45,750.00
6	Subgrade Undercutting	Cyd	500	\$ 25.00	\$ 12,500.00	\$ 23.07	\$ 11,535.00	\$ 29.00	\$ 14,500.00	\$ 32.00	\$ 16,000.00	\$ 32.00	\$ 16,000.00	\$ 32.00	\$ 16,000.00
7	Silt Fence	Ft	1,000	\$ 1.50	\$ 1,500.00	\$ 0.69	\$ 690.00	\$ 0.95	\$ 950.00	\$ 1.25	\$ 1,250.00	\$ 1.25	\$ 1,250.00	\$ 1.25	\$ 1,250.00
8	Curb and Gutter Inlet Filter	Ea	22	\$ 100.00	\$ 2,200.00	\$ 10.29	\$ 226.38	\$ 110.00	\$ 2,420.00	\$ 75.00	\$ 1,650.00	\$ 150.00	\$ 3,300.00	\$ 75.00	\$ 1,650.00
9	Tensor TX5 Geogrid	Syd	12,775	\$ 3.50	\$ 44,712.50	\$ 3.21	\$ 41,007.75	\$ 2.50	\$ 31,937.50	\$ 4.25	\$ 54,293.75	\$ 4.25	\$ 54,293.75	\$ 4.25	\$ 54,293.75
10	Aggregate Base, 21AA Limestone, 12 inch	Syd	12,775	\$ 12.00	\$ 153,300.00	\$ 11.21	\$ 143,207.75	\$ 13.33	\$ 170,290.75	\$ 11.50	\$ 146,912.50	\$ 11.50	\$ 146,912.50	\$ 12.70	\$ 162,242.50
11	Aggregate Base, 21AA Limestone, 6 inch	Syd	349	\$ 8.00	\$ 2,792.00	\$ 11.53	\$ 4,023.97	\$ 7.19	\$ 2,509.31	\$ 7.75	\$ 2,704.75	\$ 7.75	\$ 2,704.75	\$ 7.75	\$ 2,704.75
12	Sewer, CI E, 12 inch, Tr Det B	Syd	526	\$ 35.00	\$ 18,410.00	\$ 64.74	\$ 34,053.24	\$ 53.77	\$ 28,283.02	\$ 35.00	\$ 18,410.00	\$ 35.00	\$ 18,410.00	\$ 35.00	\$ 18,410.00
13	Trench Undercut and Backfill	Cyd	25	\$ 30.00	\$ 750.00	\$ 30.21	\$ 755.25	\$ 40.00	\$ 1,000.00	\$ 35.00	\$ 875.00	\$ 35.00	\$ 875.00	\$ 35.00	\$ 875.00
14	Dr Structure, Tap, 6 inch	Ea	2	\$ 150.00	\$ 300.00	\$ 431.62	\$ 863.24	\$ 250.00	\$ 500.00	\$ 155.00	\$ 310.00	\$ 155.00	\$ 310.00	\$ 155.00	\$ 310.00
15	Dr Structure, Tap, 12 inch	Ea	2	\$ 250.00	\$ 500.00	\$ 431.62	\$ 863.24	\$ 350.00	\$ 700.00	\$ 185.00	\$ 370.00	\$ 185.00	\$ 370.00	\$ 185.00	\$ 370.00
16	Dr Structure, 48 inch dia	Ea	19	\$ 1,200.00	\$ 22,800.00	\$ 2,427.84	\$ 46,128.96	\$ 1,500.00	\$ 28,500.00	\$ 1,600.00	\$ 30,400.00	\$ 1,600.00	\$ 30,400.00	\$ 1,600.00	\$ 30,400.00
17	Dr Structure Cover, Type E	Ea	3	\$ 400.00	\$ 1,200.00	\$ 361.48	\$ 1,084.44	\$ 277.00	\$ 831.00	\$ 375.00	\$ 1,125.00	\$ 375.00	\$ 1,125.00	\$ 375.00	\$ 1,125.00
18	Dr Structure Cover, Type K	Ea	15	\$ 600.00	\$ 9,000.00	\$ 766.12	\$ 11,491.80	\$ 662.00	\$ 9,930.00	\$ 675.00	\$ 10,125.00	\$ 675.00	\$ 10,125.00	\$ 675.00	\$ 10,125.00
19	Dr Structure Cover, Adj, Case 1	Ea	9	\$ 300.00	\$ 2,700.00	\$ 485.57	\$ 4,370.13	\$ 400.00	\$ 3,600.00	\$ 400.00	\$ 3,600.00	\$ 400.00	\$ 3,600.00	\$ 400.00	\$ 3,600.00
20	DPW Structure Cover, Adj, Case 1	Ea	5	\$ 350.00	\$ 1,750.00	\$ 539.52	\$ 2,697.60	\$ 400.00	\$ 2,000.00	\$ 400.00	\$ 2,000.00	\$ 400.00	\$ 2,000.00	\$ 400.00	\$ 2,000.00
21	Point Up Drainage Structure	Ea	9	\$ 250.00	\$ 2,250.00	\$ 161.86	\$ 1,456.74	\$ 275.00	\$ 2,475.00	\$ 200.00	\$ 1,800.00	\$ 200.00	\$ 1,800.00	\$ 200.00	\$ 1,800.00
22	Reconstruct Drainage Structure	Ft	10	\$ 250.00	\$ 2,500.00	\$ 215.81	\$ 2,158.10	\$ 300.00	\$ 3,000.00	\$ 85.00	\$ 850.00	\$ 85.00	\$ 850.00	\$ 85.00	\$ 850.00
23	Underdrain, Subgrade, Open-Graded, 6 inch	Ft	6,094	\$ 7.50	\$ 45,705.00	\$ 9.00	\$ 54,846.00	\$ 6.80	\$ 41,439.20	\$ 6.50	\$ 39,611.00	\$ 6.50	\$ 39,611.00	\$ 6.50	\$ 39,611.00
24	Underdrain Outlet, 6 inch	Ft	24	\$ 8.00	\$ 192.00	\$ 16.19	\$ 388.56	\$ 10.00	\$ 240.00	\$ 15.00	\$ 360.00	\$ 15.00	\$ 360.00	\$ 15.00	\$ 360.00
25	GlasPave 25 Interlayer Fabric	Syd	11,440	\$ 3.50	\$ 40,040.00	\$ 3.65	\$ 41,756.00	\$ 3.38	\$ 38,667.20	\$ 3.38	\$ 38,667.20	\$ 3.50	\$ 40,040.00	\$ 3.61	\$ 41,298.40
26	Cold Milling HMA Surface	Syd	9	\$ 12.00	\$ 108.00	\$ 137.71	\$ 1,239.39	\$ 50.00	\$ 450.00	\$ 100.00	\$ 900.00	\$ 100.00	\$ 900.00	\$ 50.00	\$ 450.00
27	HMA, 5E3	Ton	1,321	\$ 68.00	\$ 89,828.00	\$ 69.95	\$ 92,403.95	\$ 83.94	\$ 110,884.74	\$ 75.00	\$ 99,075.00	\$ 68.45	\$ 90,422.45	\$ 85.00	\$ 112,285.00
28	HMA, 3E3	Ton	2,076	\$ 65.00	\$ 134,940.00	\$ 64.42	\$ 133,735.92	\$ 78.05	\$ 162,031.80	\$ 63.00	\$ 130,788.00	\$ 64.20	\$ 133,279.20	\$ 74.00	\$ 153,624.00
29	HMA Approach	Ton	40	\$ 75.00	\$ 3,000.00	\$ 122.39	\$ 4,895.60	\$ 127.00	\$ 5,080.00	\$ 100.00	\$ 4,000.00	\$ 200.00	\$ 8,000.00	\$ 150.00	\$ 6,000.00
30	Driveway, Nonreinf Conc, 8 inch	Syd	117	\$ 45.00	\$ 5,265.00	\$ 47.48	\$ 5,555.16	\$ 40.10	\$ 4,691.70	\$ 40.00	\$ 4,680.00	\$ 40.00	\$ 4,680.00	\$ 44.00	\$ 5,148.00
31	Curb and Gutter, Conc, Det F2	Ft	5,962	\$ 16.00	\$ 95,392.00	\$ 10.25	\$ 61,110.50	\$ 9.00	\$ 53,658.00	\$ 11.00	\$ 65,582.00	\$ 11.00	\$ 65,582.00	\$ 9.50	\$ 56,639.00
32	Driveway Opening, Conc, Det M	Ft	413	\$ 20.00	\$ 8,260.00	\$ 15.65	\$ 6,463.45	\$ 10.48	\$ 4,328.24	\$ 11.00	\$ 4,543.00	\$ 11.00	\$ 4,543.00	\$ 14.50	\$ 5,988.50
33	Post, Mailbox	Ea	2	\$ 300.00	\$ 600.00	\$ 75.53	\$ 151.06	\$ 80.00	\$ 160.00	\$ 150.00	\$ 300.00	\$ 150.00	\$ 300.00	\$ 75.00	\$ 150.00
34	Post, Steel, 3 lb	Ft	70	\$ 5.00	\$ 350.00	\$ 5.40	\$ 378.00	\$ 5.00	\$ 350.00	\$ 5.00	\$ 350.00	\$ 5.00	\$ 350.00	\$ 5.00	\$ 350.00
35	Sign, Type III, Erect, Salv	Ea	6	\$ 25.00	\$ 150.00	\$ 48.56	\$ 291.36	\$ 45.00	\$ 270.00	\$ 45.00	\$ 270.00	\$ 45.00	\$ 270.00	\$ 45.00	\$ 270.00
36	Sign, Type III, Rem	Ea	8	\$ 8.00	\$ 64.00	\$ 16.19	\$ 129.52	\$ 15.00	\$ 120.00	\$ 15.00	\$ 120.00	\$ 15.00	\$ 120.00	\$ 15.00	\$ 120.00
37	Rem Spec Mrkg	Sft	100	\$ 2.00	\$ 200.00	\$ 2.16	\$ 216.00	\$ 2.00	\$ 200.00	\$ 2.75	\$ 275.00	\$ 2.75	\$ 275.00	\$ 2.00	\$ 200.00
38	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow	Ft	260	\$ 5.00	\$ 1,300.00	\$ 4.32	\$ 1,123.20	\$ 4.00	\$ 1,040.00	\$ 6.30	\$ 1,638.00	\$ 6.30	\$ 1,638.00	\$ 4.00	\$ 1,040.00
39	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Only	Ea	2	\$ 150.00	\$ 300.00	\$ 129.48	\$ 258.96	\$ 120.00	\$ 240.00	\$ 340.00	\$ 680.00	\$ 340.00	\$ 680.00	\$ 120.00	\$ 240.00
40	Pavt Mrkg, Ovly Cold Plastic, Only	Ea	2	\$ 120.00	\$ 240.00	\$ 129.48	\$ 258.96	\$ 120.00	\$ 240.00	\$ 155.00	\$ 310.00	\$ 155.00	\$ 310.00	\$ 120.00	\$ 240.00
41	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	Ea	1	\$ 200.00	\$ 200.00	\$ 269.76	\$ 269.76	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00
42	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	Ft	205	\$ 0.20	\$ 41.00	\$ 1.08	\$ 221.40	\$ 1.00	\$ 205.00	\$ 0.49	\$ 100.45	\$ 0.49	\$ 100.45	\$ 1.00	\$ 205.00
43	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	Ft	7,820	\$ 0.20	\$ 1,564.00	\$ 0.54	\$ 4,222.80	\$ 0.50	\$ 3,910.00	\$ 0.49	\$ 3,831.80	\$ 0.49	\$ 3,831.80	\$ 0.50	\$ 3,910.00

