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CITY of NOVI CITY COUNCIL

Agenda Item 3
September 27, 2010

SUBJECT: Approval to award a construction contract for the 2010 Capital Preventative Maintenance - Major Roads Phase 2, to Pro Line Asphalt Paving Corp., the low bidder, in the amount of \$156,025.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *BTC*

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$156,025
AMOUNT BUDGETED	\$200,000 (Design and Construction)
LINE ITEM NUMBER	202-202.00-866.500 Major Road CPM

BACKGROUND INFORMATION:

The second phase of the proposed 2010 Roadway Capital Preventative Maintenance Program (CPM) includes the repair of four City major road segments, summarized in the following table:

ROAD SEGMENT	FROM	TO	PASER	CPM TREATMENT
West Park Drive	West Road	500 ft north	6	Asphalt repairs and patching, Asphalt overlay (Alternate 1)
Old Novi Road	Novi Road	400 ft north	6	Non-structural asphalt overlay, Reinforcing fabric interlayer (Alternate 2)
Trans X Drive	550 ft east of Novi Road	End	4	Discrete panel replacement (outside of Novi Road project limits but coordinated with the Novi Road project)
Venture Drive	Nine Mile	400 ft north	1	Partial width reconstruction

A location map is attached showing the location of the selected road segments.

This project includes multiple CPM treatment methods that were determined during the design process based on our asset management approach, and designed to extend the life of the City's roads in the most cost-effective manner. Two alternates were included with this project with the intent to maximize the capital preventative maintenance budget. However, the bids received were not low enough to allow inclusion of the alternates in this contract. Alternate 1 is an asphalt overlay on West Park Drive to cover the proposed patched areas and provide a uniform paved surface, both for aesthetic reasons and to seal up existing cracks and new joints in the pavement surface. Alternate 2 involves the use of a reinforcing fabric interlayer on Old Novi Road placed below the proposed asphalt overlay, which is an emerging technology used to reduce reflective cracking (where cracks in existing pavement reflect, or creep, upward into new pavement overlay).

Five bids were received and opened on September 15, 2010 following a public bid solicitation period. The lowest bidder is Pro Line Asphalt (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's award recommendation letter including the bid tabulation dated September 20, 2010 is attached.) A summary of the bids is as follows:

CONTRACTOR	BASE BID	ALTERNATE 1	ALTERNATE 2	TOTAL BID
Pro Line Asphalt	\$156,025	\$22,387	\$7,725	\$186,137
Goretski Construction	\$174,296	\$25,102	\$8,976	\$208,374
Asphalt Specialists	\$183,727	\$22,950	\$7,949	\$214,626
ABC Paving	\$184,429	\$26,845	\$7,530	\$218,804
Florence Cement	\$209,940	\$31,420	\$14,043	\$255,403

Staff is recommending that the project be awarded to Pro Line, the low bidder, in the amount of \$156,024. Pro Line has successfully completed the Crowe/Ingersol repaving and the Meadowbrook (Grand River to Cherry Hill) repaving projects.

The approved project budget is \$200,000 of which \$14,060 was awarded for design engineering in July 2010, \$156,025 is recommended for award to Pro Line for construction, and \$26,593 is recommended for award to URS for construction engineering services (a separate item on this agenda) for total contract awards in the amount of \$196,678.

Construction is scheduled to begin October 2010 and completion is anticipated in November 2010.

RECOMMENDED ACTION: Approval to award a construction contract for the 2010 Capital Preventative Maintenance - Major Roads Phase 2, to Pro Line Asphalt Paving Corp., the low bidder, in the amount of \$156,025.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Gatt				
Council Member Crawford				
Council Member Fischer				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Staudt				

MAP INTERPRETATION NOTICE

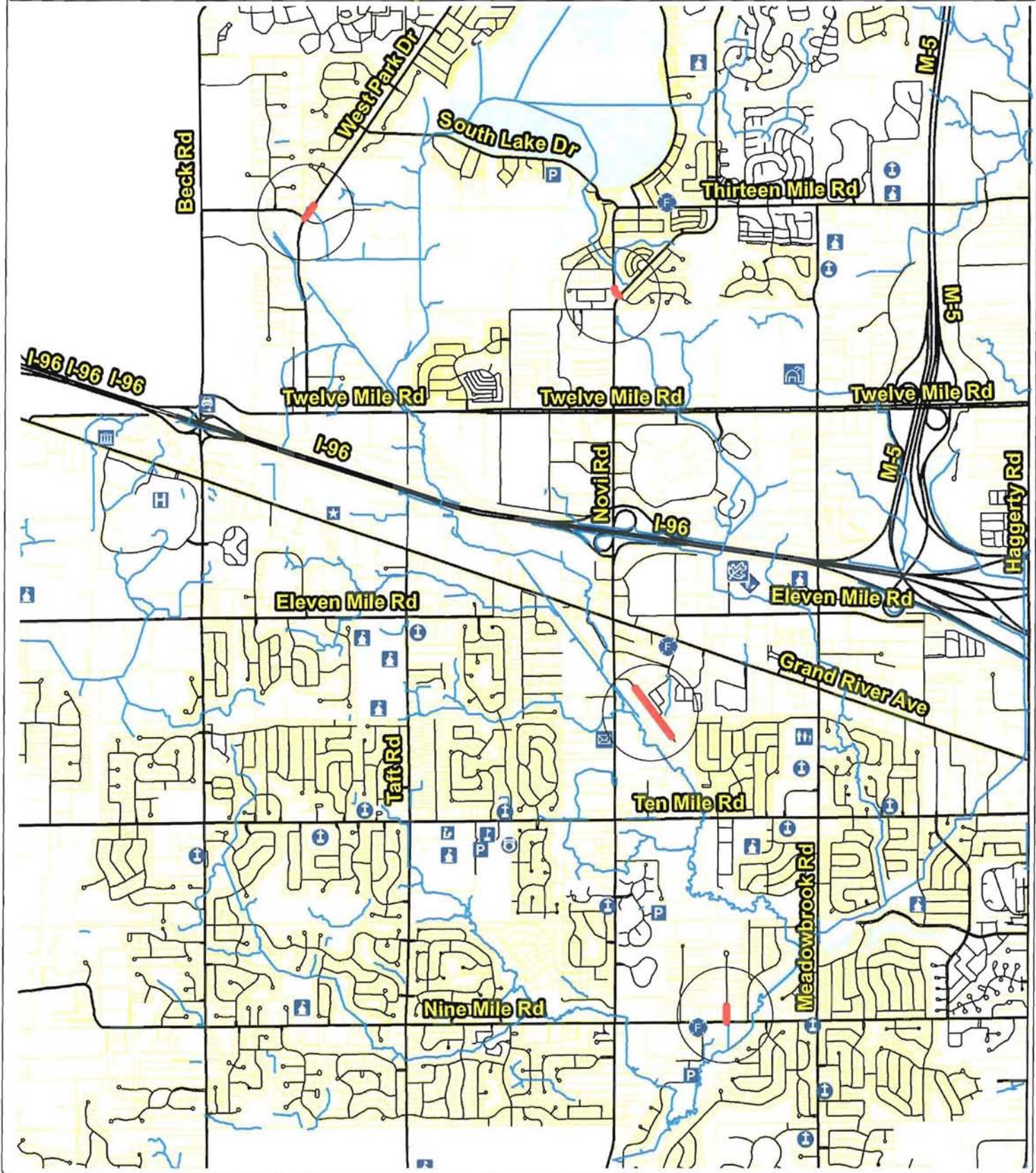
Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate 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.

City Of Novi



0 460 920 1,840 2,760 3,680
Feet

2010 Capital Preventative Maintenance Major Roads Phase 2





September 20, 2010

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

Reference: Bid Analysis and Contract Award Recommendation
2010 Capital Preventative Maintenance, Major Roads Project, Phase 2
URS Project Number 12942682

Dear Mr. Croy:

Attached is the Bid Tabulation for the above referenced project. Five (5) bids were received. Competition appears to have been adequate. All bids appear to be balanced and there are no irregularities noted in the bids.

One mathematical error was found in the lowest bid, from Pro Line Asphalt Paving Corp.. Correction of this error increased their Base Bid amount by \$11.05 from the "As Read" amount of \$173,233.28 to \$173,244.33. These bid amounts include the item for Crew Days to cover inspection costs. This correction did not change the order of bidders.

Pro Line Asphalt Paving Corporation is the low bidder for the Base project. Pro Line also is the low bidder if either or both of the Alternates is awarded.

We reviewed the Bidders Qualifications and Experience Statement submitted by Pro Line and called some of the references listed. The references indicated that that Pro Line performed well on past projects.

We therefore recommend award of the contract to the low bidder, Pro Line Asphalt Paving Corporation for the Base Bid Amount (excluding crew days) of \$156,024.33.

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

Tabulation of Bids
City of Novi
2010 CPM - Major Roads Project, Phase 2
Bid Open Date 09/15/2010

BASE BID				ProLine Asphalt		Goretski Construction		Asphalt Specialists		ABC Paving		Florence Cement		Engineer Estimate	
Item	Item Description	Unit	Quan	Price	Cost	Price	Cost	Price	Cost	Price	Cost	Price	Cost	Price	Cost
1	Pavement Removal	Syd	2283	\$8.83	\$20,158.89	\$14.75	\$33,674.25	\$11.00	\$25,113.00	\$11.75	\$26,825.25	\$10.00	\$22,830.00	\$5.00	\$11,415.00
2	Conc Pmnt with Integral Curb, 9 inch	Syd	845	\$42.34	\$35,777.30	\$42.00	\$35,490.00	\$39.50	\$33,377.50	\$42.65	\$36,039.25	\$57.00	\$48,165.00	\$40.00	\$33,800.00
3	Aggregate Base, 6 inch	Syd	2283	\$4.85	\$11,072.55	\$7.25	\$16,551.75	\$8.70	\$19,862.10	\$9.40	\$21,460.20	\$8.00	\$18,264.00	\$6.50	\$14,839.50
4	Concrete Pavement Repair	Syd	883	\$46.06	\$40,670.98	\$42.00	\$37,086.00	\$45.00	\$39,735.00	\$48.35	\$42,693.05	\$44.00	\$38,852.00	\$50.00	\$44,150.00
5	Cold Milling HMA Surface	Syd	512	\$9.65	\$4,940.80	\$5.76	\$2,949.12	\$14.50	\$7,424.00	\$10.90	\$5,560.80	\$9.00	\$4,608.00	\$6.50	\$3,328.00
6	HMA, 4C	Ton	215	\$88.97	\$19,128.55	\$89.00	\$19,135.00	\$105.00	\$22,575.00	\$96.50	\$20,747.50	\$119.00	\$25,585.00	\$75.00	\$16,125.00
7	HMA, 2C	Ton	68	\$88.97	\$6,049.96	\$89.00	\$6,052.00	\$90.00	\$6,120.00	\$135.00	\$9,180.00	\$107.00	\$7,276.00	\$70.00	\$4,760.00
8	Dr Structure Cover, Adj, Case 1	Each	2	\$620.98	\$1,241.96	\$500.00	\$1,000.00	\$575.00	\$1,150.00	\$625.00	\$1,250.00	\$1,300.00	\$2,600.00	\$250.00	\$500.00
9	Point-Up Drainage Structure	Each	2	\$141.14	\$282.28	\$250.00	\$500.00	\$325.00	\$650.00	\$340.00	\$680.00	\$110.00	\$220.00	\$300.00	\$600.00
10	Joint Repair, Detail 7	Ft	100	\$3.63	\$363.00	\$10.00	\$1,000.00	\$15.00	\$1,500.00	\$11.60	\$1,160.00	\$30.00	\$3,000.00	\$7.00	\$700.00
11	Joint Repair, Detail 8	Ft	100	\$10.33	\$1,033.00	\$10.00	\$1,000.00	\$20.00	\$2,000.00	\$16.00	\$1,600.00	\$30.00	\$3,000.00	\$8.00	\$800.00
12	Shoulder, CI II	Ton	10	\$30.68	\$306.80	\$30.00	\$300.00	\$50.00	\$500.00	\$43.50	\$435.00	\$110.00	\$1,100.00	\$16.00	\$160.00
13	Underdrain, 6 inch	Ft	420	\$11.57	\$4,859.40	\$9.90	\$4,158.00	\$11.00	\$4,620.00	\$11.65	\$4,893.00	\$7.00	\$2,940.00	\$6.00	\$2,520.00
14	Loop Detector	Ea	3	\$1,693.57	\$5,080.71	\$2,100.00	\$6,300.00	\$2,800.00	\$8,400.00	\$815.00	\$2,445.00	\$1,500.00	\$4,500.00	\$1,000.00	\$3,000.00
15	Surface Restoration	LS	1	\$1,129.05	\$1,129.05	\$3,300.00	\$3,300.00	\$2,200.00	\$2,200.00	\$2,850.00	\$2,850.00	\$4,000.00	\$4,000.00	\$1,200.00	\$1,200.00
16	Maintaining Traffic	LS	1	\$1,354.86	\$1,354.86	\$3,300.00	\$3,300.00	\$6,000.00	\$6,000.00	\$4,000.00	\$4,000.00	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00
17	Pavement Markings	LS	1	\$2,574.24	\$2,574.24	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,590.00	\$2,590.00	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00
18	Crew Days	Day	\$615	28.0	\$17,220.00	15.0	\$9,225.00	18.0	\$11,070.00	19.0	\$11,685.00	25.0	\$15,375.00	15.0	\$9,225.00
														5%	\$7,806.13
	Base Bid Total				\$173,244.33		\$183,521.12		\$194,796.60		\$196,114.05		\$225,315.00		\$163,928.63
	Base Bid Excluding Inspection				\$156,024.33		\$174,296.12		\$183,726.60		\$184,429.05		\$209,940.00		\$154,703.63
Bid Alt A															
1	Cold Milling HMA Surface	Syd	180	\$5.76	\$1,036.80	\$5.76	\$1,036.80	\$17.00	\$3,060.00	\$22.25	\$4,005.00	\$11.00	\$1,980.00	\$6.50	\$1,170.00
2	HMA, 4C	Ton	245	\$90.36	\$19,688.20	\$89.00	\$21,805.00	\$72.00	\$17,640.00	\$82.00	\$20,090.00	\$100.00	\$24,500.00	\$70.00	\$17,150.00
3	Shoulder, CI II	Ton	42	\$36.89	\$1,549.38	\$30.00	\$1,260.00	\$25.00	\$1,050.00	\$50.00	\$2,100.00	\$70.00	\$2,940.00	\$8.00	\$336.00
4	Maintaining Traffic (Alt A)	LS	1	\$112.90	\$112.90	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00	\$650.00	\$650.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
5	Crew Days	Day	\$615	3.0	\$1,845.00	5.0	\$3,075.00	1.5	\$922.50	2.0	\$1,230.00	3.0	\$1,845.00	2.0	\$1,230.00
														5%	\$1,094.30
	Bid Alternate A Total				\$24,232.28		\$28,176.80		\$23,872.50		\$28,075.00		\$33,265.00		\$22,980.30
	Bid Alternate A Excluding Inspection				\$22,387.28		\$25,101.80		\$22,950.00		\$26,845.00		\$31,420.00		\$21,750.30
Bid Alt B															
1	Pavement Reinforcement Fabric	Syd	1227	\$6.25	\$7,668.75	\$6.50	\$7,975.50	\$5.50	\$6,748.50	\$5.75	\$7,055.25	\$9.00	\$11,043.00	\$12.00	\$14,724.00
2	Maintaining Traffic (Alt B)	LS	1	\$56.45	\$56.45	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00	\$475.00	\$475.00	\$3,000.00	\$3,000.00	\$500.00	\$500.00
3	Crew Days	Day	\$615	1.0	\$615.00	2.0	\$1,230.00	1.0	\$615.00	1.0	\$615.00	3.0	\$1,845.00	1.0	\$615.00
														5%	\$791.95
	Bid Alternate B Total				\$8,340.20		\$10,205.50		\$8,563.50		\$8,145.25		\$15,888.00		\$15,839.00
	Bid Alternate B Excluding Inspection				\$7,725.20		\$8,975.50		\$7,948.50		\$7,530.25		\$14,043.00		\$15,224.00

SUMMARY

BASE BID ONLY	\$156,024.33	\$174,296.12	\$183,726.60	\$184,429.05	\$209,940.00	\$154,703.63
BASE BID PLUS ALTERNATE A	\$178,411.61	\$199,397.92	\$206,676.60	\$211,274.05	\$241,360.00	\$176,453.93
BASE BID PLUS ALTERNATE B	\$163,749.53	\$183,271.62	\$191,675.10	\$191,959.30	\$223,983.00	\$169,927.63
BASE BID PLUS ALTERNATE A PLUS ALTERNATE B	\$186,136.81	\$208,373.42	\$214,625.10	\$218,804.30	\$255,403.00	\$191,677.93

XXX Indicates entry corrected due to math error in bid
Summary totals do not include Crew Days