



CITY of NOVI CITY COUNCIL

Agenda Item 5
May 21, 2012

SUBJECT: Approval to award a construction contract for the West Oaks Area Roadways (including West Oaks Drive, S. Karevich Drive, and Fountain Walk Drive) and Ten Mile Road Pathway Project to Cadillac Asphalt, in the amount of \$564,085.

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

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	<p>\$ 279,442.05 (West Oaks Drive)</p> <p>\$ 101,078.30 (Fountain Walk Drive)</p> <p>\$ 143,299.45 (South Karevich Drive)</p> <p>\$ 40,265.50 (Ten Mile Pathway)</p> <p>\$ 564,085.30 TOTAL</p>
AMOUNT BUDGETED	<p>\$ 221,100.00 (West Oaks Drive)</p> <p>\$ 149,000.00 (Fountain Walk Drive)</p> <p>\$ 130,450.00 (South Karevich Drive)</p> <p>\$ 108,000.00 (Ten Mile Pathway)</p> <p>\$ 608,450.00 TOTAL</p>
APPROPRIATION REQUIRED	<p>\$ 10,520 (Major Street Fund)</p> <p>\$ 12,800 (Local Street Fund)</p> <p>\$ (38,240) (Municipal Street Fund)</p> <p>\$ (14,920) TOTAL (see budget amendment 2012-4)</p>
LINE ITEM NUMBER	<p>202-202.00-865.459 (West Oaks Drive)</p> <p>202-202.00-865.458 (Fountain Walk Drive)</p> <p>203-203.00-865.565 (South Karevich Drive)</p> <p>204-204.00-974.418 (Ten Mile Pathway)</p>

BACKGROUND INFORMATION:

This project involves the rehabilitation of West Oaks Drive from Novi Road to Donelson Drive, rehabilitation and partial reconstruction of Fountain Walk Drive from Donelson Drive to the recently reconstructed westbound I-96 entrance ramp, and the rehabilitation and partial reconstruction public portion of S. Karevich Drive (formerly known as Sheraton Drive) from West Oaks Drive to the Crown Plaza property limits (see attached location map). The three road projects have been combined into a single project due to their close proximity so that construction activities can be coordinated to minimize traffic impacts.

A traffic study was completed as part of the design phase and recommended restriping and minor widening of West Oaks Drive to improve turning movements and to alleviate congestion. The rehabilitation will include the recommendations from the traffic study as well as the mill and overlay, aggregate base repairs, curb repair/replacement of the roads. The construction phase engineering service award for this project is proposed for consideration elsewhere on this agenda.

During the design phase, it was determined that the addition of an 8-foot wide pathway between South Karevich Drive and Novi Road from West Oaks Drive south to the I-96 on-ramp would be appropriate to construct now in anticipation of a future project involving a potential pedestrian crossing of I-96 over the Novi Road Bridge, which was discussed and approved in concept by Road Commission for Oakland County and Michigan Department of Transportation.

This project also includes the Ten Mile Pathway project, which is the construction of a pathway segment along the north side of Ten Mile between Catherine Industrial Road and the CSX Railroad and includes the crossing of the railroad tracks. Once completed, a continuous non-motorized route will exist between Novi Road and Haggerty Road along the north side of Ten Mile.

The Ten Mile Pathway project was combined with the West Oaks area improvements because they were on similar construction schedules and both were designed by URS. The combination of these two projects, along with the initial combination of all the West Oaks area improvement, has most likely resulted in some cost savings in the construction phase for these projects.

Four (4) bids were received and opened on May 10, 2012 following a public bid solicitation period. It should be noted that Ajax Paving submitted the as-read low bid, but due to errors in their bid, Ajax has withdrawn their bid. (Ajax's bid was \$607,932 after corrections compared to their intended bid of \$641,370, a \$33,438 discrepancy). The City Attorney has recommended that the City allow the withdrawal of Ajax's bid and that the Bid Bond be returned. The next lowest bidder is Cadillac Asphalt. Cadillac's bid is recommended as being in the best interest of the City (i.e., Cadillac is the lowest responsive and responsible bidder, meaning that the bidder has complied with all the requirements of the bid and demonstrates the ability to complete the contract, given the withdrawal of Ajax's bid). URS' award recommendation letter including the bid tabulation dated May 14, 2012 is attached. A summary of the four bids is as follows:

Contractor	Bid Price (including Crew Days)*
Cadillac Asphalt	\$611,440.30
Pro-Line Asphalt	\$618,208.42
PaveX	\$702,177.82
Ajax Paving**	\$607,932.25

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

**Ajax Paving withdrew their bid on May 14, 2012.

These projects were included in the FY2011-12 Capital Improvement Program (CIP) in the budgeted amount of \$608,450 for construction and \$127,280 for engineering (total project budget of \$735,730), of which \$52,018 was awarded for design engineering, \$42,318 has been allocated for easement acquisition and CSX permit fees, \$564,086 is now being recommended for award to Cadillac for construction, and \$85,082 is also recommended for award to URS for construction engineering services (a separate item on this agenda) for total contract awards in the amount of \$743,504.

Cadillac has successfully completed numerous projects for the City of Novi over the past several years. Construction is scheduled to begin in summer 2012 and completion is anticipated by fall 2012.

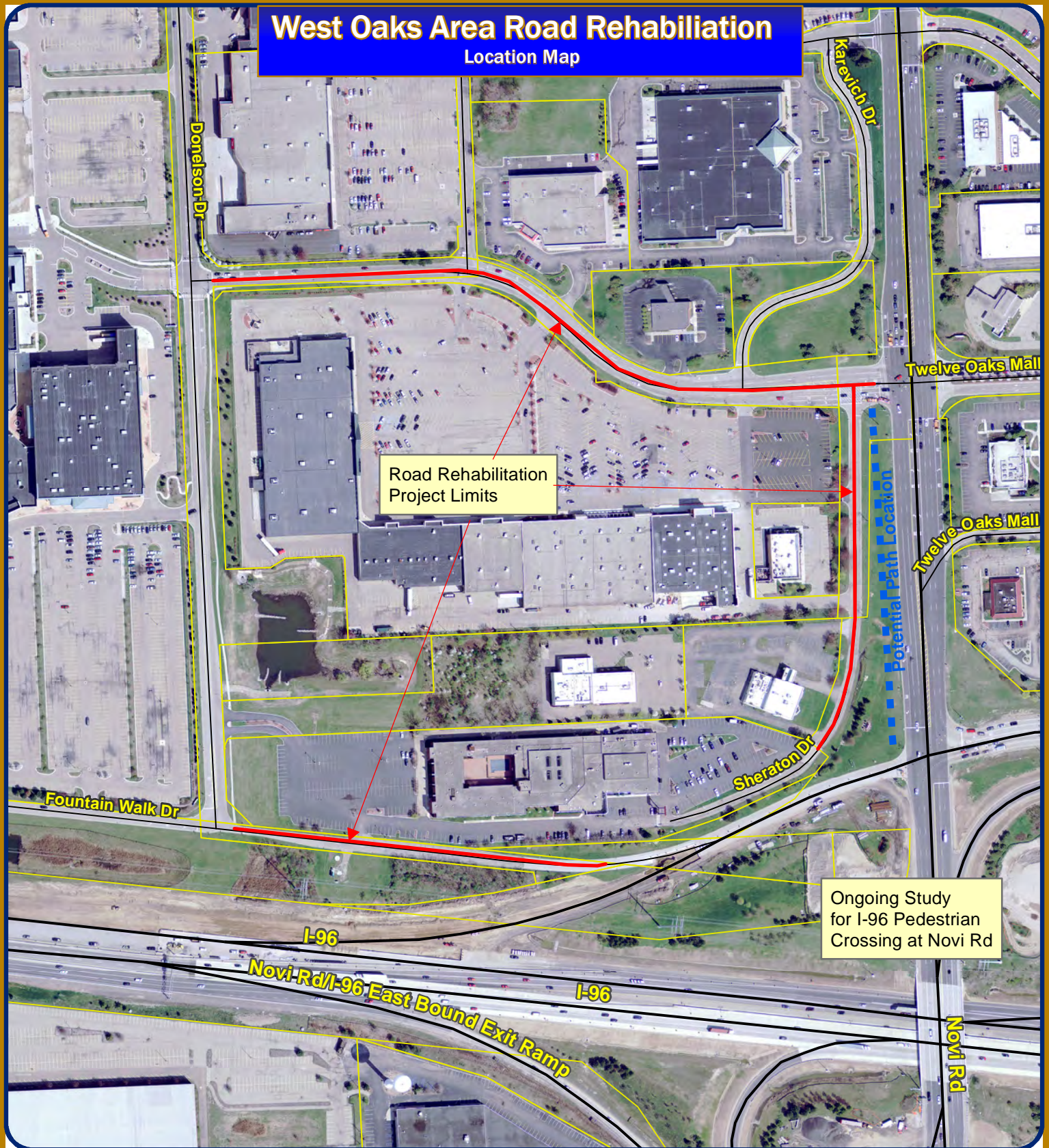
RECOMMENDED ACTION: Approval to award a construction contract for the West Oaks Area Roadways (including West Oaks Drive, S. Karevich Drive, and Fountain Walk Drive) and Ten Mile Road Pathway Project to Cadillac Asphalt, in the amount of \$564,085.

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

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

West Oaks Area Road Rehabilitation

Location Map



Road Rehabilitation Project Limits

Ongoing Study for I-96 Pedestrian Crossing at Novi Rd

Map Author: Croy
 Date: 11/7/11
 Project: West Oaks Area Road Rehab
 Version #: v1.0

Map Legend	
Road Centerline	Major Roads
Type of Route	Minor Roads
	TaxParcel/BSA



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



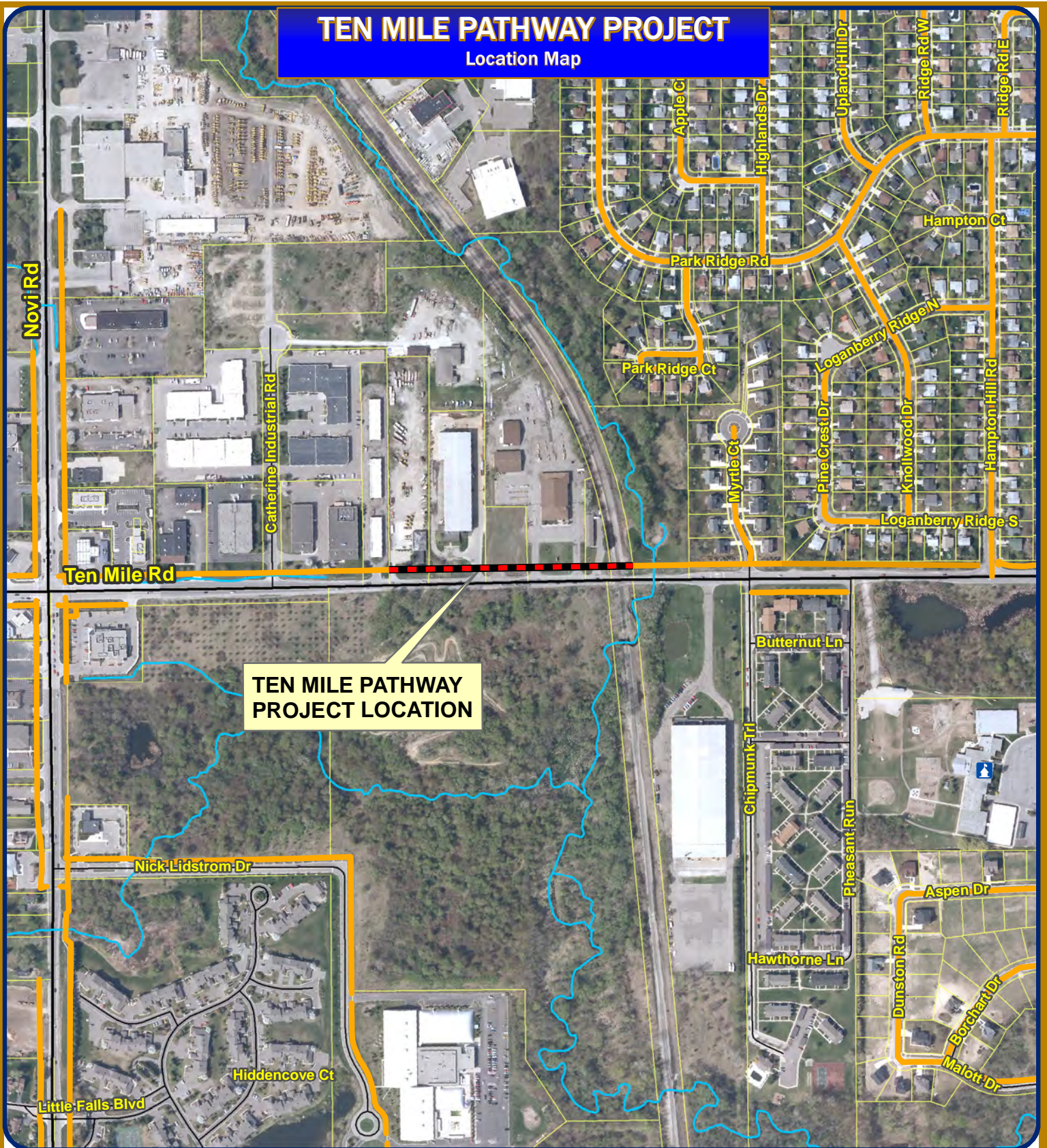
1 inch = 304 feet

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.

TEN MILE PATHWAY PROJECT

Location Map



TEN MILE PATHWAY PROJECT LOCATION

Map Author: Croy
 Date: 4/30/12
 Project: 10 Mile Path (2011 Pathway Program)
 Version #: 2.0

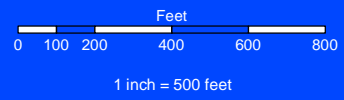
Map Legend

 Existing Pathways



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

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May 14, 2012

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

Reference: Bid Analysis and Contract Award Recommendation
West Oaks Are Roadways and Ten Mile Road Pathway Project
URS Project Number 12943217

Dear Mr. Croy:

Attached is the Bid Tabulation for the above referenced project. Four (4) bids were received and opened. Competition appears to have been adequate.

There was one minor arithmetic error in the bid received from Cadillac Asphalt, LLC, the as-read low bidder. The Cadillac Asphalt bid also shows different unit prices for the same item in four instances. Per the Bid form, the same unit price should have been entered and in the event that more than one unit price is entered, the lower unit price is to be used. After corrections, the bid from Cadillac Asphalt, LLC changed from \$613,954.50 to \$611,440.30.

Ajax Paving Industries, Inc. and Pavex Corporation also included multiple unit prices for the same item. After correcting the unit prices by using the lowest unit price entered, the third lowest as-read bid, from Ajax Paving, changed from \$641,370.60 to \$607,932.25. Ajax Paving then becomes the lowest bid.

We have discussed the revised bid total with Ajax Paving. They acknowledged that they missed the requirement to use the same unit price for the same item and that their bid is in error. They requested that it be withdrawn.

Cadillac Asphalt was also informed of the change in their bid. They do not wish to withdraw their bid and understand that the contract amount will be \$2,514.20 less than the As-Read bid amount.

Cadillac Asphalt is one of the largest contractors in the area and we have worked with them previously on other project where they performed well. The bonding company listed in the statement of qualifications has A.M. Best Key rating of "A", which exceeds the minimum requirements.



We therefore recommend award of the contract to Cadillac Asphalt, LLC for the corrected Bid amount, excluding crew day costs, of \$564,085.30.

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

Sincerely,

URS, Inc.

A handwritten signature in blue ink, which appears to read "Sean Kelsch".

Sean Kelsch, P.E.
Project Manager

cc: Jason Fisher, URS

TABULATION OF BIDS
City of Novi
West Oaks Area Roadways and Ten Mile Road Pathway Project
Bid Opening Date: May 10, 2012
Contract Totals (All 5 Divisions)

Item No.	Item Description	Units	Quantity	Engineers Estimate		Cadillac Asphalt		Pro-Line Asphalt		Ajax Paving Industries		PaveX	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
1	Mobilization, West Oaks Dr	LS	1	\$15,000.00	\$15,000.00	\$1,500.00	\$1,500.00	\$2,963.97	\$2,963.97	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00
2	Mobilization, S Karevich Dr	LS	1	\$6,500.00	\$6,500.00	\$800.00	\$800.00	\$1,363.97	\$1,363.97	\$6,000.00	\$6,000.00	\$7,000.00	\$7,000.00
3	Mobilization, Fountain Walk Dr	LS	1	\$7,000.00	\$7,000.00	\$500.00	\$500.00	\$1,363.97	\$1,363.97	\$3,000.00	\$3,000.00	\$7,000.00	\$7,000.00
4	Mobilization, Novi Rd	LS	1	\$2,500.00	\$2,500.00	\$500.00	\$500.00	\$1,363.97	\$1,363.97	\$500.00	\$500.00	\$7,000.00	\$7,000.00
5	Mobilization, 10 Mile Rd	LS	1	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$6,000.00	\$6,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
6	HMA Surface, Rem	Syd	4748	\$5.00	\$23,740.00	\$3.00	\$14,244.00	\$2.50	\$11,870.00	\$2.80	\$13,294.40	\$2.34	\$11,110.32
7	Pavt Repair, Rem	Syd	56	\$10.00	\$560.00	\$20.00	\$1,120.00	\$18.00	\$1,008.00	\$20.00	\$1,120.00	\$20.00	\$1,120.00
8	Tree, Rem, 6 inch to 18 inch	Ea	1	\$250.00	\$250.00	\$250.00	\$250.00	\$500.00	\$500.00	\$250.00	\$250.00	\$500.00	\$500.00
9	Tree, Rem, 19 inch to 36 inch	Ea	1	\$450.00	\$450.00	\$875.00	\$875.00	\$1,100.00	\$1,100.00	\$875.00	\$875.00	\$1,500.00	\$1,500.00
10	Cold Milling HMA Surface	Syd	9939	\$1.75	\$17,393.25	\$2.00	\$19,878.00	\$1.90	\$18,884.10	\$2.50	\$24,847.50	\$2.80	\$27,829.20
11	Sidewalk, Rem	Syd	27	\$10.00	\$270.00	\$4.00	\$108.00	\$6.00	\$162.00	\$3.00	\$81.00	\$5.00	\$135.00
12	Curb and Gutter, Rem	Ft	2151	\$12.00	\$25,812.00	\$7.00	\$15,057.00	\$7.00	\$15,057.00	\$6.25	\$13,443.75	\$3.70	\$7,958.70
13	Fence, Rem	Ft	715	\$1.00	\$715.00	\$1.50	\$1,072.50	\$5.50	\$3,932.50	\$1.50	\$1,072.50	\$5.00	\$3,575.00
14	Dr Structure, Rem	Ea	6	\$500.00	\$3,000.00	\$375.00	\$2,250.00	\$335.00	\$2,010.00	\$375.00	\$2,250.00	\$500.00	\$3,000.00
15	Culv End, Rem, 24 inch to 48 inch	Ea	1	\$1,200.00	\$1,200.00	\$100.00	\$100.00	\$220.00	\$220.00	\$100.00	\$100.00	\$300.00	\$300.00
16	Sewer, Rem, Less than 24 inch	Ft	99	\$12.00	\$1,188.00	\$8.00	\$792.00	\$16.50	\$1,633.50	\$8.00	\$792.00	\$20.00	\$1,980.00
17	Erosion Control, Silt Fence	Ft	1335	\$1.50	\$2,002.50	\$1.25	\$1,668.75	\$1.44	\$1,922.40	\$1.25	\$1,668.75	\$1.00	\$1,335.00
18	Erosion Control, Inlet Filter, Fabric Drop	Ea	22	\$80.00	\$1,760.00	\$100.00	\$2,200.00	\$78.58	\$1,728.76	\$75.00	\$1,650.00	\$100.00	\$2,200.00
19	Erosion Control, Sediment Trap	Ea	4	\$100.00	\$400.00	\$75.00	\$300.00	\$150.00	\$600.00	\$75.00	\$300.00	\$100.00	\$400.00
20	Erosion Control, Check Dam, Stone	Ft	61	\$14.00	\$854.00	\$25.00	\$1,525.00	\$20.00	\$1,220.00	\$25.00	\$1,525.00	\$25.00	\$1,525.00
21	Erosion Control, Maintenance, Sediment Removal	Cyd	2	\$40.00	\$80.00	\$20.00	\$40.00	\$50.00	\$100.00	\$20.00	\$40.00	\$100.00	\$200.00
22	Surface Restoration, West Oaks Dr	LS	1	\$1,500.00	\$1,500.00	\$1,360.00	\$1,360.00	\$2,667.50	\$2,667.50	\$2,110.00	\$2,110.00	\$3,000.00	\$3,000.00
23	Surface Restoration, S Karevich Dr	LS	1	\$1,500.00	\$1,500.00	\$1,675.00	\$1,675.00	\$1,042.75	\$1,042.75	\$2,475.00	\$2,475.00	\$1,500.00	\$1,500.00
24	Surface Restoration, Fountain Walk Dr	LS	1	\$2,000.00	\$2,000.00	\$770.00	\$770.00	\$2,376.50	\$2,376.50	\$770.00	\$770.00	\$3,000.00	\$3,000.00
25	Surface Restoration, Novi Rd	LS	1	\$3,500.00	\$3,500.00	\$2,116.00	\$2,116.00	\$3,540.50	\$3,540.50	\$2,266.00	\$2,266.00	\$3,000.00	\$3,000.00
26	Surface Restoration, 10 Mile Rd	LS	1	\$3,000.00	\$3,000.00	\$1,754.00	\$1,754.00	\$3,589.00	\$3,589.00	\$2,254.00	\$2,254.00	\$12,500.00	\$12,500.00
27	Dr Structure Cover, Adj, Case 1	Ea	14	\$150.00	\$2,100.00	\$325.00	\$4,550.00	\$350.00	\$4,900.00	\$325.00	\$4,550.00	\$400.00	\$5,600.00
28	Dr Structure Cover, Adj, Case 2	Ea	6	\$100.00	\$600.00	\$350.00	\$2,100.00	\$185.00	\$1,110.00	\$350.00	\$2,100.00	\$500.00	\$3,000.00
29	Sanitary Structure Cover, Adj, Case 1	Ea	3	\$200.00	\$600.00	\$350.00	\$1,050.00	\$450.00	\$1,350.00	\$350.00	\$1,050.00	\$600.00	\$1,800.00
30	Dr Structure, 48 inch dia	Ea	5	\$1,000.00	\$5,000.00	\$1,200.00	\$6,000.00	\$1,200.00	\$6,000.00	\$1,200.00	\$6,000.00	\$1,750.00	\$8,750.00
31	Sewer, CMP, 18 inch, Tr Det B	Ft	30	\$40.00	\$1,200.00	\$25.00	\$750.00	\$37.00	\$1,110.00	\$25.00	\$750.00	\$100.00	\$3,000.00
32	Sewer, CI E, 12 inch, Tr Det B	Ft	96	\$35.00	\$3,360.00	\$25.00	\$2,400.00	\$30.00	\$2,880.00	\$25.00	\$2,400.00	\$55.00	\$5,280.00
33	Sewer, CI E, 18 inch, Tr Det B	Ft	18	\$50.00	\$900.00	\$40.00	\$720.00	\$39.00	\$702.00	\$40.00	\$720.00	\$100.00	\$1,800.00
34	Sewer, CI E, 24 inch, Tr Det B	Ft	20	\$70.00	\$1,400.00	\$45.00	\$900.00	\$52.00	\$1,040.00	\$45.00	\$900.00	\$75.00	\$1,500.00
35	Dr Structure Cover, Type B	Ea	2	\$350.00	\$700.00	\$400.00	\$800.00	\$400.00	\$800.00	\$400.00	\$800.00	\$500.00	\$1,000.00
36	Dr Structure Cover, Type G	Ea	1	\$400.00	\$400.00	\$375.00	\$375.00	\$340.00	\$340.00	\$375.00	\$375.00	\$500.00	\$500.00
37	Dr Structure Cover, Type K	Ea	7	\$500.00	\$3,500.00	\$400.00	\$2,800.00	\$600.00	\$4,200.00	\$400.00	\$2,800.00	\$500.00	\$3,500.00
38	Dr Structure, Tap, 12 inch	Ea	1	\$100.00	\$100.00	\$100.00	\$100.00	\$350.00	\$350.00	\$100.00	\$100.00	\$500.00	\$500.00
39	Culv End Section, Conc, 18 inch	Ea	1	\$600.00	\$600.00	\$425.00	\$425.00	\$400.00	\$400.00	\$425.00	\$425.00	\$650.00	\$650.00
40	Culv End Section, Conc, 24 inch	Ea	1	\$800.00	\$800.00	\$500.00	\$500.00	\$450.00	\$450.00	\$500.00	\$500.00	\$500.00	\$500.00
41	Culvert Cleanout	Ft	15	\$10.00	\$150.00	\$15.00	\$225.00	\$50.00	\$750.00	\$15.00	\$225.00	\$25.00	\$375.00
42	Subgrade Undercutting, Type II	Cyd	25	\$25.00	\$625.00	\$15.00	\$375.00	\$40.00	\$1,000.00	\$15.00	\$375.00	\$40.00	\$1,000.00
43	Roadway Grading	Sta	21	\$900.00	\$18,900.00	\$825.00	\$17,325.00	\$1,200.00	\$25,200.00	\$800.00	\$16,800.00	\$550.00	\$11,550.00
44	Pathway Grading	Sta	21	\$700.00	\$14,700.00	\$750.00	\$15,750.00	\$750.00	\$15,750.00	\$200.00	\$4,200.00	\$450.00	\$9,450.00
45	Subbase, CIP	Cyd	257	\$15.00	\$3,855.00	\$20.00	\$5,140.00	\$30.00	\$7,710.00	\$15.00	\$3,855.00	\$30.00	\$7,710.00
46	Aggregate Base, 21AA, 6 inch	Syd	3832	\$5.50	\$21,076.00	\$5.50	\$21,076.00	\$5.14	\$19,696.48	\$5.50	\$21,076.00	\$6.30	\$24,141.60
47	Aggregate Base, 21AA, 16 inch	Syd	751	\$8.50	\$6,383.50	\$14.25	\$10,701.75	\$19.19	\$14,411.69	\$14.25	\$10,701.75	\$20.00	\$15,020.00
48	Shoulder, CI II, 6 inch	Syd	88	\$8.00	\$704.00	\$25.00	\$2,200.00	\$16.18	\$1,423.84	\$25.00	\$2,200.00	\$11.00	\$968.00
49	Aggregate, 6AAA	Cyd	5	\$15.00	\$75.00	\$25.00	\$125.00	\$5.14	\$25.70	\$25.00	\$125.00	\$45.00	\$225.00
50	Geotextile Separator	Syd	15	\$1.50	\$22.50	\$3.00	\$45.00	\$13.14	\$197.10	\$3.00	\$45.00	\$5.00	\$75.00
51	Sidewalk, Conc, 4 inch	Sft	10647	\$4.00	\$42,588.00	\$3.00	\$31,941.00	\$2.75	\$29,279.25	\$2.80	\$29,811.60	\$2.60	\$27,682.20
52	Sidewalk, Conc, 8 inch	Sft	1258	\$5.25	\$6,604.50	\$4.00	\$5,032.00	\$4.00	\$5,032.00	\$4.00	\$5,032.00	\$3.30	\$4,151.40
53	ADA Detectable Warning Plate-New Construction	Sft	68	\$28.00	\$1,904.00	\$50.00	\$3,400.00	\$30.00	\$2,040.00	\$50.00	\$3,400.00	\$20.00	\$1,360.00
54	Nonreinforced Concrete Pavement Repair	Syd	56	\$75.00	\$4,200.00	\$42.00	\$2,352.00	\$50.00	\$2,800.00	\$42.00	\$2,352.00	\$50.00	\$2,800.00
55	HMA, 4C	Ton	2414	\$76.00	\$183,464.00	\$71.00	\$171,394.00	\$65.00	\$156,910.00	\$68.00	\$164,152.00	\$72.00	\$173,808.00
56	HMA, 2C	Ton	699	\$75.00	\$52,425.00	\$70.00	\$48,930.00	\$80.00	\$55,920.00	\$75.00	\$52,425.00	\$72.00	\$50,328.00

TABULATION OF BIDS
City of Novi
West Oaks Area Roadways and Ten Mile Road Pathway Project
Bid Opening Date: May 10, 2012
Contract Totals (All 5 Divisions)

Item No.	Item Description	Units	Quantity	Engineers Estimate		Cadillac Asphalt		Pro-Line Asphalt		Ajax Paving Industries		PaveX	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
57	HMA Approach	Ton	203	\$90.00	\$18,270.00	\$130.00	\$26,390.00	\$105.00	\$21,315.00	\$68.00	\$13,804.00	\$90.00	\$18,270.00
58	Joint and Crack, Cleanout	Ft	3000	\$2.50	\$7,500.00	\$2.00	\$6,000.00	\$2.57	\$7,710.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00
59	Hand Patching	Ton	75	\$100.00	\$7,500.00	\$100.00	\$7,500.00	\$105.00	\$7,875.00	\$300.00	\$22,500.00	\$200.00	\$15,000.00
60	Driveway Opening, Conc, Det M	Ft	120	\$21.00	\$2,520.00	\$16.00	\$1,920.00	\$18.00	\$2,160.00	\$15.00	\$1,800.00	\$17.50	\$2,100.00
61	Curb and Gutter, Conc, Det C2	Ft	889	\$20.00	\$17,780.00	\$14.00	\$12,446.00	\$14.00	\$12,446.00	\$14.00	\$12,446.00	\$17.50	\$15,557.50
62	Curb and Gutter, Conc, Det F6	Ft	1359	\$20.00	\$27,180.00	\$15.00	\$20,385.00	\$15.50	\$21,064.50	\$14.00	\$19,026.00	\$18.50	\$25,141.50
63	Underdrain, Subbase, 6-inch	Ft	1988	\$5.00	\$9,940.00	\$5.00	\$9,940.00	\$7.50	\$14,910.00	\$4.90	\$9,741.20	\$11.00	\$21,868.00
64	Underdrain Outlet, 6 inch	Ft	25	\$8.00	\$200.00	\$12.00	\$300.00	\$7.50	\$187.50	\$12.00	\$300.00	\$15.00	\$375.00
65	Underdrain, Outlet Ending, 6 inch	Ea	1	\$150.00	\$150.00	\$150.00	\$150.00	\$75.00	\$75.00	\$150.00	\$150.00	\$100.00	\$100.00
66	Pre-Construction Audio Visual, West Oaks Dr	LS	1	\$300.00	\$300.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	\$875.00	\$875.00	\$875.00	\$875.00
67	Pre-Construction Audio Visual, S Karevich Dr	LS	1	\$300.00	\$300.00	\$500.00	\$500.00	\$375.00	\$375.00	\$600.00	\$600.00	\$600.00	\$600.00
68	Pre-Construction Audio Visual, Fountain Walk Dr	LS	1	\$300.00	\$300.00	\$850.00	\$850.00	\$850.00	\$850.00	\$675.00	\$675.00	\$675.00	\$675.00
69	Pre-Construction Audio Visual, Novi Rd	LS	1	\$300.00	\$300.00	\$400.00	\$400.00	\$550.00	\$550.00	\$600.00	\$600.00	\$600.00	\$600.00
70	Pre-Construction Audio Visual, 10 Mile Rd	LS	1	\$300.00	\$300.00	\$975.00	\$975.00	\$975.00	\$975.00	\$775.00	\$775.00	\$775.00	\$775.00
71	Crew Days	Day	\$615.00	36	\$22,140.00	77	\$47,355.00	61	\$37,515.00	80	\$49,200.00	84	\$51,660.00
72	Maintaining Traffic, West Oaks Dr	LS	1	\$20,000.00	\$20,000.00	\$4,000.00	\$4,000.00	\$3,500.00	\$3,500.00	\$5,500.00	\$5,500.00	\$4,000.00	\$4,000.00
73	Maintaining Traffic, S Karevich Dr	LS	1	\$12,000.00	\$12,000.00	\$4,000.00	\$4,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
74	Maintaining Traffic, Fountain Walk Dr	LS	1	\$15,000.00	\$15,000.00	\$850.00	\$850.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
75	Post, Steel, 3 lb	Ft	649	\$3.50	\$2,271.50	\$4.10	\$2,660.90	\$4.10	\$2,660.90	\$4.10	\$2,660.90	\$10.00	\$6,490.00
76	Sign, Type II, Rem	Ea	3	\$15.00	\$45.00	\$150.00	\$450.00	\$150.00	\$450.00	\$150.00	\$450.00	\$50.00	\$150.00
77	Sign, Type III, Rem	Ea	43	\$7.50	\$322.50	\$5.00	\$215.00	\$5.00	\$215.00	\$5.00	\$215.00	\$50.00	\$2,150.00
78	Sign, Type III, Erect, Salv	Ea	9	\$30.00	\$270.00	\$40.00	\$360.00	\$40.00	\$360.00	\$40.00	\$360.00	\$70.00	\$630.00
79	Sign, Type IIB	Sft	28	\$15.00	\$420.00	\$14.50	\$406.00	\$14.50	\$406.00	\$14.50	\$406.00	\$10.00	\$280.00
80	Sign, Type IIIA	Sft	77	\$12.00	\$924.00	\$14.50	\$1,116.50	\$14.50	\$1,116.50	\$14.50	\$1,116.50	\$12.00	\$924.00
81	Sign, Type IIA	Sft	15	\$15.00	\$225.00	\$30.00	\$450.00	\$20.00	\$300.00	\$14.50	\$217.50	\$12.00	\$180.00
82	Sign, Type IIIB	Sft	131	\$12.00	\$1,572.00	\$14.50	\$1,899.50	\$14.50	\$1,899.50	\$14.50	\$1,899.50	\$10.00	\$1,310.00
83	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	Ft	225	\$2.00	\$450.00	\$2.90	\$652.50	\$2.90	\$652.50	\$2.90	\$652.50	\$2.90	\$652.50
84	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow	Ft	75	\$4.50	\$337.50	\$3.50	\$262.50	\$3.50	\$262.50	\$3.50	\$262.50	\$3.50	\$262.50
85	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	Ft	60	\$4.50	\$270.00	\$7.50	\$450.00	\$7.50	\$450.00	\$7.50	\$450.00	\$7.50	\$450.00
86	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	Ft	119	\$6.50	\$773.50	\$10.00	\$1,190.00	\$10.00	\$1,190.00	\$10.00	\$1,190.00	\$10.00	\$1,190.00
87	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	Ea	9	\$90.00	\$810.00	\$90.00	\$810.00	\$90.00	\$810.00	\$90.00	\$810.00	\$90.00	\$810.00
88	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	Ea	7	\$90.00	\$630.00	\$90.00	\$630.00	\$90.00	\$630.00	\$90.00	\$630.00	\$90.00	\$630.00
89	Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym	Ea	3	\$150.00	\$450.00	\$110.00	\$330.00	\$110.00	\$330.00	\$110.00	\$330.00	\$110.00	\$330.00
90	Pavt Mrkg, Ovly Cold Plastic, Only	Ea	16	\$100.00	\$1,600.00	\$150.00	\$2,400.00	\$150.00	\$2,400.00	\$150.00	\$2,400.00	\$150.00	\$2,400.00
91	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	Ft	1780	\$0.10	\$178.00	\$0.34	\$605.20	\$0.34	\$605.20	\$0.34	\$605.20	\$0.34	\$605.20
92	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	Ft	4890	\$0.10	\$489.00	\$0.34	\$1,662.60	\$0.34	\$1,662.60	\$0.34	\$1,662.60	\$0.34	\$1,662.60
93	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	Ft	600	\$0.15	\$90.00	\$1.51	\$906.00	\$1.51	\$906.00	\$1.51	\$906.00	\$1.51	\$906.00
94	Pavt Mrkg, Sprayable Thermopl, 24 inch, White	Ft	190	\$0.25	\$47.50	\$4.74	\$900.60	\$4.74	\$900.60	\$4.74	\$900.60	\$4.74	\$900.60
95	Traffic Loop, Presence (Preformed)	Ea	4	\$800.00	\$3,200.00	\$3,500.00	\$14,000.00	\$2,629.00	\$10,516.00	\$1,200.00	\$4,800.00	\$7,000.00	\$28,000.00
96	Conduit, PVC, 4 inch	Ft	39	\$8.00	\$312.00	\$15.00	\$585.00	\$22.53	\$878.67	\$15.00	\$585.00	\$25.00	\$975.00
	Total Bid (All 5 Divisions)				\$680,978.75		\$611,440.30		\$618,208.42		\$607,932.25		\$702,177.82