



CITY of NOVI CITY COUNCIL

Agenda Item 4
July 8, 2013

SUBJECT: Approval to award a construction contract for the 2013 Capital Preventative Maintenance Program—Major Roads (for work on Meadowbrook Road between Nine Mile and Ten Mile Roads) to Hard Rock Concrete, Inc., the low bidder, in the amount of \$121,000.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division ^{RS} ^{BTC}

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 121,000
AMOUNT BUDGETED	\$ 446,900 (\$350,000 FY13-14, plus \$96,900 to be included in FY12-13 rollover budget amendment)
LINE ITEM NUMBER	202-202.00-866.500

BACKGROUND INFORMATION:

One of the primary goals of the Department of Public Services' asset management program is the preservation of the City's roadways to prevent costly reconstruction. Some preventative and most routine maintenance including crack sealing, road patching, curb repairs, and shoulder grading are routinely performed by in-house DPS staff to help keep the good roads in good condition. However, a key component of road preservation is capital preventative maintenance, which is maintenance that is more resource-intensive but less costly than reconstruction. The objective of preventative maintenance is to preserve good quality roads using lower-cost rehabilitation techniques, rather than allowing the roads to deteriorate to a point that requires road reconstruction involving much more effort at a higher cost. Novi's preventative maintenance program, in conjunction with the other road programs, is intended to result in an overall improvement in the quality of the City's roadways and increase the overall PASER rating for the roadway network.

The City Council approved a Capital Preventative Maintenance Program (CPM) as part of the FY12-13 budget to help improve the City's local and major roadways to limit further deterioration of existing pavement defects and extend the service life of the pavement. Preventative maintenance typically addresses discrete areas or short segments of streets containing minor cracks or pavement defects. The streets receiving capital preventative maintenance generally have PASER ratings of 4 through 6, which is indicative of pavement in fair overall condition.

Staff has selected Meadowbrook Road from Nine Mile to Ten Mile for rehabilitation as part of this year's CPM program. This section of Meadowbrook Road has performed very well since it was constructed in 1972, but now has some defects that require attention. The project will include joint/crack repair and discrete concrete slab replacement. Addressing these defects now can prevent further deterioration along the remainder of the road, the majority of which is still structurally sound and can be preserved to provide many more years of service.

Four (4) bids were received and opened on June 24, 2013 following a public bid solicitation period. The lowest bidder is Hard Rock Concrete, Inc. (Hard Rock). Hard Rock's bid is recommended as being in the best interest of the City as it is responsive (i.e., Hard Rock has complied with all requirements of the bidding instructions) and it is the lowest price. (SDA's award recommendation letter including the bid tabulation dated June 25, 2013 is attached.) A summary of the four bids is as follows:

Contractor	Bid Price (including Crew Days)*
Hard Rock Concrete	\$130,600
Montes Contracting	\$157,350
Florence Cement	\$168,210
Audia Concrete	\$181,494

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

This project was included in the FY2012-13 Capital Improvement Program (CIP) in the budgeted amount of \$107,891 for construction and engineering, of which \$8,600 was awarded for design engineering, \$121,000 is now being recommended for award to Hard Rock for construction, and \$16,860 is also recommended for award to SDA for construction engineering services (a separate item on this agenda) for total contract awards in the amount of \$146,460.

It is anticipated that the construction of the project will begin in mid-August and be completed this fall. The construction contract calls for substantial completion within 45 days and final completion within 60 days from the issuance of the Notice to Proceed.

During construction Meadowbrook Road will be closed to southbound traffic, which will be detoured to Ten Mile Road, Novi Road, Nine Mile and back to Meadowbrook. Northbound traffic will be maintained during the project.

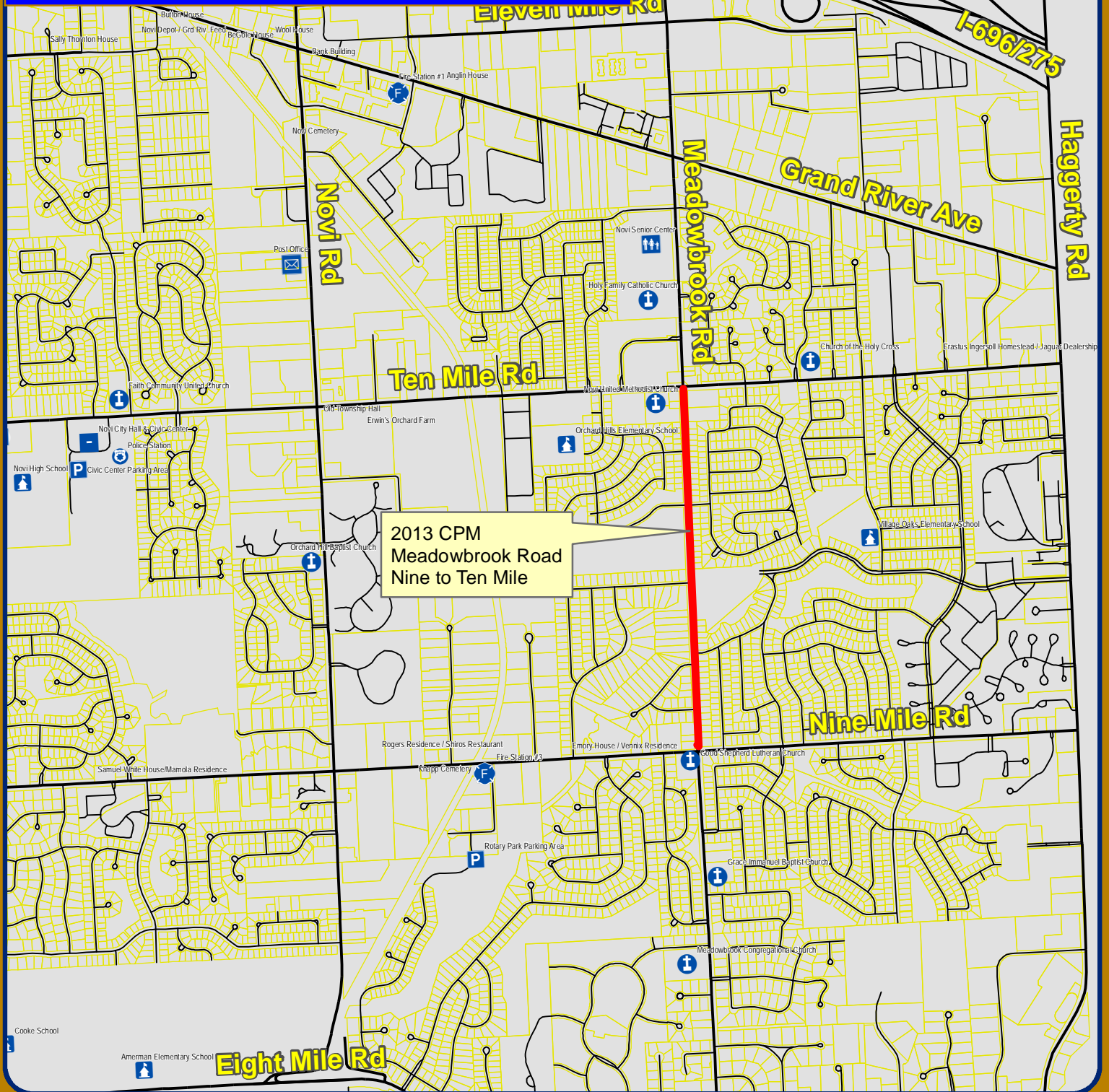
RECOMMENDED ACTION: Approval to award a construction contract for the 2013 Capital Preventative Maintenance Program—Major Roads (for work on Meadowbrook Road between Nine Mile and Ten Mile Roads) to Hard Rock Concrete, Inc., the low bidder, in the amount of \$121,000.

	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				

2013 Capital Preventative Maintenance Major Roads

Location Map

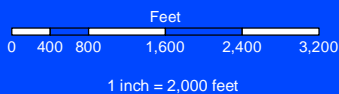


2013 CPM
Meadowbrook Road
Nine to Ten Mile

Map Author: Croy
Date: 11/15/12
Project: 2013 CPM Majors
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 132 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



June 25, 2013

Mr. Benjamin Croy, PE, Civil Engineer
City of Novi
26300 Lee BeGole Drive
Novi, Michigan 48375

Re: **Recommendation for Award**
2013 Major Roads Capital Preventative Maintenance Program
SDA Project No.: NV12-008

Dear Mr. Croy:

On June 24, 2013, at 3:00 p.m. construction bids were opened and publicly read at the City of Novi Civic Center for the 2013 Major Roads Capital Preventative Maintenance Program. The project involves concrete pavement repairs, road approach reconstruction, and minor sidewalk improvements on Meadowbrook Road between Nine Mile Road and Ten Mile Road.

The City Clerk's office received four (4) sealed bids for this project, with each bidder considered to be responsive having submitted a bid compliant with all requirements. The apparent low bidder, Hard Rock Concrete, Inc., submitted a total bid of \$130,600.00. Following the bid opening, Spalding DeDecker Associates (SDA) reviewed all of the bids received, verified the calculations, and prepared the bid tabulation for the project (attached). While the low bid was 15% higher than the Engineer's Estimate for the project, primarily in the concrete patching work, our review does not indicate an imbalanced bid.

Based on a review of experience and references provided by Hard Rock, and their previous work on City of Novi projects, SDA finds that Hard Rock is qualified to perform the required construction.

It is our recommendation that the project be awarded to the low bidder, Hard Rock Concrete, Inc., for the 2013 Major Roads Capital Preventative Maintenance Program project in the amount of \$121,000.00, which is the total bid of \$130,600.00 minus \$9,600.00 for crew days bid.

Upon award by the City Council, our office will coordinate the completion of the Contract Agreement, Bonds and Insurance information with Hard Rock, and issue the Notice to Proceed upon execution of the contract documents.

Very Truly Yours,
SPALDING DEDECKER ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'David P. Eno'.

David P. Eno, P.E. – Project Manager

enclosure: bid tabulation

cc: Mr. Rocco Grimaldi, Vice President – Hard Rock Concrete, Inc.

Engineering Consultants

Infrastructure • Land Development • Surveying

BID TABULATION - 2013 MAJOR ROADS CAPITAL PREVENTATIVE MAINTENANCE - REBID

4 Bids received, opened 6/24/13
 - all bids considered responsive

Project Area: Meadowbrook between 9 & 10 Mile Road Project No. NV12-008
 Work: Concrete Roads Rehab - selected slab replacements, joint repairs, sidewalk repairs, Glyme & Penton Rise approaches By: DPE
 Reviewed: CLG

Item No.	Item Description	Plan Quantity	Unit	Engineer's Estimate		Hardrock Concrete		Montes Contracting		Florence Cement		Audia Concrete	
				Unit Price (\$)	Total Cost (\$)	Unit Price (\$)	Total Cost (\$)	Unit Price (\$)	Total Cost (\$)	Unit Price (\$)	Total Cost (\$)	Unit Price (\$)	Total Cost (\$)
1	Mobilization (5% max.)	1	LS	5,500.00	5,500.00	4,000.00	4,000.00	7,150.00	7,150.00	8,400.00	8,400.00	3,200.00	3,200.00
2	Pre-Construction Video Review	1	LS	3,500.00	3,500.00	2,200.00	2,200.00	1,700.00	1,700.00	1,600.00	1,600.00	2,400.00	2,400.00
3	Maintaining Traffic	1	LS	12,000.00	12,000.00	11,000.00	11,000.00	15,000.00	15,000.00	38,000.00	38,000.00	12,500.00	12,500.00
4	Sidewalk, Rem	18	SYD	5.00	90.00	10.00	180.00	10.00	180.00	27.00	486.00	8.00	144.00
5	Grinding Sidewalk	20	SFT	15.00	300.00	10.00	200.00	10.00	200.00	3.00	60.00	30.00	600.00
6	Pavt Repr, Rem, Modified	900	SYD	15.00	13,500.00	25.00	22,500.00	28.00	25,200.00	27.00	24,300.00	18.00	16,200.00
7	Sidewalk, Conc, 4 inch	64	SFT	5.00	320.00	5.00	320.00	5.00	320.00	6.00	384.00	5.00	320.00
8	Pavt Repr, Nonreinf Conc, 10 Inch, Modified	300	SYD	50.00	15,000.00	61.50	18,450.00	72.00	21,600.00	64.00	19,200.00	90.00	27,000.00
9	Pavt Repr, Nonreinf Conc, Longit Joint, 10 inch	200	SYD	50.00	10,000.00	61.00	12,200.00	77.00	15,400.00	65.00	13,000.00	120.00	24,000.00
10	Pavt Repr, Nonreinf Conc, Transv Joint, 10 inch	400	SYD	50.00	20,000.00	62.00	24,800.00	79.00	31,600.00	63.00	25,200.00	120.00	48,000.00
11	HMA Surface, Rem	400	SYD	8.00	3,200.00	7.50	3,000.00	10.00	4,000.00	9.00	3,600.00	20.00	8,000.00
12	Excavation, Earth	100	CYD	14.00	1,400.00	18.50	1,850.00	19.00	1,900.00	27.00	2,700.00	26.00	2,600.00
13	Aggregate Base, 6 inch	400	SYD	8.00	3,200.00	7.50	3,000.00	9.00	3,600.00	13.00	5,200.00	12.00	4,800.00
14	Underdrain, 4 inch	100	LFT	14.00	1,400.00	16.00	1,600.00	17.00	1,700.00	23.00	2,300.00	19.00	1,900.00
15	Sidewalk Ramp, Conc, 6 inch	80	SFT	8.00	640.00	7.50	600.00	7.00	560.00	9.00	720.00	12.00	960.00
16	Detectable Warning Surface	10	LFT	50.00	500.00	55.00	550.00	29.00	290.00	43.00	430.00	80.00	800.00
17	Conc Pavt, Misc, Non-reinf, 7 inch	400	SYD	35.00	14,000.00	35.00	14,000.00	42.00	16,800.00	36.00	14,400.00	48.00	19,200.00
18	Permit Allowance	550	DLR	1.00	550.00	1.00	550.00	1.00	550.00	1.00	550.00	1.00	550.00
19	Construction Observation (\$640/day)	*	DAY	14	8,960.00	15	9,600.00	15	9,600.00	12	7,680.00	13	8,320.00
Total Bid:				\$	114,060.00	\$	130,600.00	\$	157,350.00	\$	168,210.00	\$	181,494.00

* Number of Construction Observation Days bid by contractor, entered in Unit Price column here for bid tabulation purposes

As-read total equals verified total for all bidders. No errors in bid line items or totals.