



CITY of NOVI CITY COUNCIL

Agenda Item J
November 25, 2013

SUBJECT: Approval of Change Order No. 1 to Hard Rock Concrete for the 2013 Capital Preventative Maintenance Program – Major Roads in the amount of \$71,152.50.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division ^{TR} _{31C}

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 71,152.50
AMOUNT BUDGETED	\$ 458,989.00 (includes rollover from FY12-13)
LINE ITEM NUMBER	202-202.00-866.500

BACKGROUND INFORMATION:

The City Council approved a Capital Preventative Maintenance Program (CPM) as part of the FY12-13 and FY13-14 budgets to preserve good quality roads using lower-cost rehabilitation techniques, rather than allowing the roads to deteriorate to a point that requires more costly reconstruction. 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. Preventative maintenance typically addresses discrete area or short segments of streets containing cracks or other 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.

Meadowbrook Road from Nine Mile Road to Ten Mile Road was selected for rehabilitation as part of the 2013 CPM program because the concrete pavement had performed very well since it was constructed in 1972, but had some defects that required attention. The goal of the project was to increase the useful life of the road by replacing joints that were no longer serviceable and by replacing discrete sections of concrete that were no longer structurally sound. A budget for the project of \$150,000 was set in FY12-13 allowing \$25,000 for engineering and \$125,000 for construction. A construction contract was awarded to Hard Rock Concrete on July 8, 2013 in the amount of \$121,000.

Once construction started, Spalding DeDecker identified more joints and concrete sections that required maintenance within the project limits. (The project design was awarded in November 2012 and there was additional deterioration over the winter and spring). Staff decided it would be more beneficial to address these areas as part of the project during active construction to avoid another project in the same location at a later date that would again inconvenience motorists and residents. The additional work included areas north of Chattman Drive at an increased cost of \$71,153. Since the project was funded using FY12-13 funds, but was completed in FY13-14, funds were available for the additional work. The contractor has completed all work on the project.

The attached change order in the amount of \$71,153 includes the additional work on Meadowbrook Road and also balances all contract quantities to remove items that were not used and to increase or decrease contract quantities to match constructed quantities.

RECOMMENDED ACTION: Approval of Change Order No. 1 to Hard Rock Concrete for the 2013 Capital Preventative Maintenance Program – Major Roads in the amount of \$71,152.50.

	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				



BALANCING WORK CHANGE DIRECTIVE No. 1

Project: 2013 Major Roads CPM Program

Owner: City of Novi
26300 Lee BeGole Dr.
Novi, Michigan 48375
(248) 735-5632

Engineer: Spalding DeDecker & Associates, Inc.
905 South Boulevard East
Rochester Hills, Michigan 48307
(248) 844-5400

Contractor: Hard Rock Concrete, Inc.
38146 Abruzzi Drive
Westland, Michigan 48185
(734) 641-3333

Drafted Date: November 13, 2013

Reasoning: Existing additional unacceptable Village Lake approach, transverse joints, longitudinal joints and panels that required to be removed and replaced as identified by SDA and City.

Existing Contract Items

Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Price	
						Add	Deduct
19		Inspection "Crew Days"	CD	\$840.00	15	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4		Sidewalk Removal	SY	\$10.00	-7		\$70.00
5		Grinding Sidewalk	SF	\$10.00	-20		\$200.00
6		Pavt. Repair, Rem, Modified	SY	\$25.00	710	\$17,750.00	
7		Sidewalk, Concrete, 4-inch	SF	\$5.00	35	\$175.00	
8		Pavt. Repr, Nonreinf, 10', Modified	SY	\$61.50	671	\$41,266.50	
9		Pavt. Repr, Nonreinf, Longit. 10'	SY	\$61.00	-121.8		\$7,429.80
10		Pavt. Repr, Nonreinf, Transv, 10'	SY	\$62.00	173.4	\$10,750.80	
11		HMA Surface	SY	\$7.50	281.2	\$2,109.00	
12		Excavation, Earth	CY	\$18.50	-100		\$1,850.00
13		Aggregate Base, 6-inch	SY	\$7.50	281.2	\$2,109.00	
14		Underdrain, 4-inch	LF	\$16.00	-100		\$1,600.00
15		Sidewalk Ramp, 6-inch	SF	\$7.50	-80		\$600.00
16		Detectable Warning Surface	LF	\$55.00	-10		\$550.00
17		Conc. Pavt., Misc., Nonreinf, 7-inch	SY	\$35.00	281.2	\$9,842.00	
18		Permit Allowance	DLR	\$550.00	-1		\$550.00
Subtotals						\$84,002.30	\$12,849.80
Total						\$71,152.50	



BALANCING CHANGE ORDER No. 1

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Contractor: Hard Rock Concrete, Inc.
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Westland, Michigan 48185
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Drafted Date: November 13, 2013

Description/Reasoning: Existing additional unacceptable Village Lake approach, transverse joints, longitudinal joints and panels that required to be removed and replaced as identified by SDA and City.

To the Contractor: You are hereby directed to comply with the changes to the contract documents. This change order reflects work completed or anticipated. Documentation supporting these changes are on file with the City of Novi's Engineer. Current project plans and specifications will be adhered to unless specifically changed by this change order document.

THE CONTRACT AMOUNT SHALL BE CHANGED BY THE SUM OF:	\$71,152.50
ORIGINAL CONTRACT AMOUNT:	\$121,000.00
SUM OF PREVIOUS APPROVED CHANGE ORDERS:	\$0.00
REVISED CONTRACT AMOUNT:	\$192,152.50

Where applicable, attach the corresponding number of Work Change Directive to this Change Order.

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CREW DAY TIME BY: 15 Day(s) ADD: DEDUCT:

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CONTRACT TIME BY: 15 Day(s)

Accepted By: [Signature] Date: 11/13/13
Hard Rock Concrete, Inc.

Prepared By: [Signature] Date: 11/13/2013
Spalding DeDecker & Associates, Inc.

Reviewed By: [Signature] Date: 11/13/13
Brian Geborn, P.E., Engineer Manager

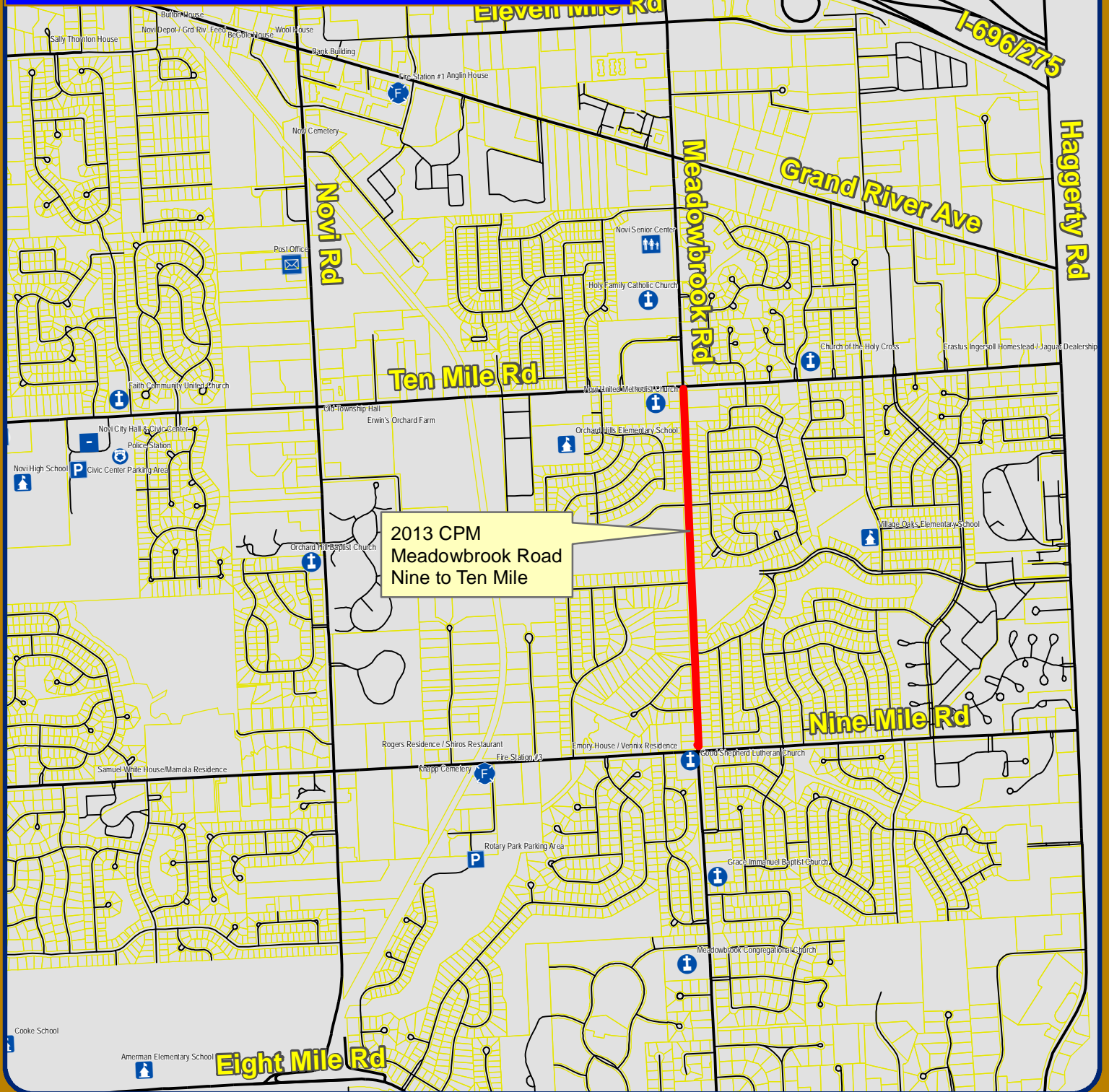
Approved By: [Signature] Date: 11/14/13
Rob Hayes, P.E., Dir. of Public Services/City Engineer

and

Approved By: _____ Date: _____
Sue Moriani, Purchasing Manager

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.



1 inch = 2,000 feet



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