



CITY of NOVI CITY COUNCIL

**Agenda Item 10
June 27, 2016**

SUBJECT: Approval of Change Order No. 1 to Cadillac Asphalt, LLC, for the 2015 Neighborhood Road Program - Contract 2 (Asphalt) Drainage Improvements in the amount of \$211,247.

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

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 211,247
AMOUNT BUDGETED	\$ 300,000 on 4th Quarter Budget Amendment
LINE ITEM NUMBER	210-211.00-805.435

BACKGROUND INFORMATION:

A storm drainage improvement pilot project was approved in the FY16-17 budget to improve roadside drainage along uncurbed neighborhood roadways to eliminate or shallow-up the existing ditches. The first pilot project involves drainage improvements and partially enclosing the existing ditches in Orchard Hills on and Quince Drive and a portion of Tamara Drive. The proposed drainage work would be completed as part of the Neighborhood Road Program in summer 2016, which will reconstruct Quince and a portion of Tamara once school is out of session to avoid disruption of school traffic. The project will install storm sewer and drainage structures in the existing ditch line to raise the surface elevation and capture storm water runoff from the roadway and residential front yards using shallower swales and catch basins to decrease the depth of the ditches. This project is the first of its kind and will be a pilot for potential projects in the future for streets that have ditches. In order to complete the work prior to the start of school, the project is being added to the FY15-16 budget for award at this time.

It is anticipated that construction of this project will begin in summer 2016 as part of the 2015 Neighborhood Roads Program.

RECOMMENDED ACTION: Approval of Change Order No. 1 to Cadillac Asphalt, LLC, for the 2015 Neighborhood Road Program - Contract 2 (Asphalt) Drainage Improvements in the amount of \$211,247.

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

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

Orchard Hills Ditch Enclosure

Location Map

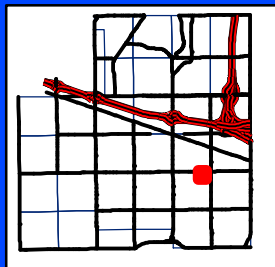


Map Author: A. Wayne
Date: 1/14/2016
Project:
Version #:

Amended By:
Date:
Department:

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

Feet
0 30 60 120 180

1 inch = 150 feet





CHANGE ORDER No. 6

PURCHASE ORDER NO.

94601

Project: 2015 NRP - Asphalt Streets

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

Engineer: OHM Advisors
34000 Plymouth Road
Livonia, Michigan 48150
(734) 522-6711

Contractor: Cadillac Asphalt, LLC
51777 W. 12 Mile Road
Wixom, Michigan 48393
(248) 380-3650

Drafted Date: June 20, 2016

Description/Reasoning: Addition of Quince Street and Tamara Drive (from Quince St to the West): Ditch Enclosure

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:	\$211,247.00
ORIGINAL CONTRACT AMOUNT:	\$1,209,821.50
SUM OF PREVIOUS APPROVED CHANGE ORDERS:	-\$235,866.53
REVISED CONTRACT AMOUNT:	\$1,185,201.97

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: Day(s) ADD: DEDUCT:

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

Accepted By: _____
Cadillac Asphalt, LLC

Date: 06/20/2016

Prepared By: _____
OHM Advisors

Date: 06/20/2016

Reviewed By: _____
Brian Coburn, PE., Engineering Senior Manager

Date: _____

Approved By: _____
Rob Hayes, P.E., DPS Director/City Engineer

Date: _____

and

Approved By: _____
Sue Morianti, Purchasing Manager

Date: _____



WORK CHANGE DIRECTIVE No. 6

PURCHASE ORDER NO.

94601

Project: 2015 NRP - Asphalt Streets

Owner: City of Novi
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(248) 735-5632

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Drafted Date: June 20, 2016

Reasoning: Addition of Quince Street and Tamara Drive (from Quince St to the West): Ditch Enclosure

NEW Contract Items

Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Price	
						Add	Deduct
0		Inspection "Crew Days"	CD	\$640.00	27	<input checked="" type="checkbox"/>	<input type="checkbox"/>
105	Quince-Ditch	Mobilization	LS	\$8,000.00	1	\$8,000.00	
106	Quince-Ditch	Traffic Control	LS	\$2,500.00	1	\$2,500.00	
107	Quince-Ditch	Erosion Control, Silt Fence	Ft	\$1.50	250	\$375.00	
108	Quince-Ditch	HMA Surface, Rem (Drives)	Syd	\$9.00	270	\$2,430.00	
109	Quince-Ditch	Conc Pavt, Rem (Drives)	Syd	\$15.00	200	\$3,000.00	
110	Quince-Ditch	Dr Structure, Rem	Each	\$150.00	1	\$150.00	
111	Quince-Ditch	Culv, Rem	Ft	\$18.00	740	\$13,320.00	
112	Quince-Ditch	Swale, Grading	Ft	\$9.00	1550	\$13,950.00	
113	Quince-Ditch	12" HP Storm Drain Pipe	Ft	\$35.50	1500	\$53,250.00	
114	Quince-Ditch	15" HP Storm Drain Pipe	Ft	\$40.00	160	\$6,400.00	
115	Quince-Ditch	18" Hp Storm Drain Pipe	Ft	\$50.00	5	\$250.00	
116	Quince-Ditch	Sewer, CI IV, RCP, 18 inch	Ft	\$60.00	45	\$2,700.00	
117	Quince-Ditch	Culv End Sect, HP Storm Pipe, 12 inch	Each	\$350.00	4	\$1,400.00	
Subtotals						\$107,725.00	\$0.00
Total						\$107,725.00	

New Contract Items (Continued)

Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Price	
						Add	Deduct
118	Quince-Ditch	Culv End Sect, RCP, 18 inch	Ea	\$650.00	1	\$650.00	
119	Quince-Ditch	Dr Structure, 24 inch dia, PVC	Ea	\$1,500.00	20	\$30,000.00	
120	Quince-Ditch	Dr Structure, 36 inch Dia, Conc	Ea	\$3,200.00	1	\$3,200.00	
121	Quince-Ditch	Dr Structure, 48 inch Dai, Conc	Ea	\$3,500.00	3	\$10,500.00	
122	Quince-Ditch	Dr Structure, Tap, 12 inch	Ea	\$325.00	2	\$650.00	
123	Quince-Ditch	HMA, 5E1, Drives	Syd	\$18.60	270	\$5,022.00	
124	Quince-Ditch	Conc Pavt, Nonreinf, 6" Drives	Syd	\$50.00	200	\$10,000.00	
125	Quince-Ditch	Riprap, Plain	Syd	\$100.00	15	\$1,500.00	
126	Quince-Ditch	Landscape, Allowance	Dir	\$1.00	5000	\$5,000.00	
127	Quince-Ditch	Restoration	LS	\$8,000.00	1	\$8,000.00	
128	Quince-Ditch	Construction Contingency	Dir	\$1.00	7500	\$7,500.00	
129	Quince-Ditch	Sub-contractor Mark-up allowed by Contract, 5%	Dir	\$1.00	9500	\$9,500.00	
130	Quince-Ditch	ALTERNATE Item 15 Upcharge: Dr Structure, 24 inch Dia, Conc	Ea	\$600.00	20	\$12,000.00	
Subtotals						\$103,522.00	\$0.00
Total						\$103,522.00	

Estimated Increase/Decrease in Contract Price	\$211,247.00
Original Contract Amount	\$1,209,821.50
Sum of Previous Approved Change Orders	-\$235,866.53
Estimated Revised Contract Amount	\$1,185,201.97

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

Accepted By: _____
Cadillac Asphalt, LLC

Date: 06/20/2016

Prepared By: _____
OHM Advisors

Date: 06/20/2016

Reviewed By: _____
Brian Coburn, PE., Engineering Senior Manager

Date: _____

Approved By: _____
Rob Hayes, P.E., DPS Director/City Engineer

Date: _____

and

Approved By: _____
Sue Morianti, Purchasing Manager

Date: _____

June 17, 2016

City of Novi DPS – Engineering Division

26300 Lee BeGole Drive

Novi, MI 48375

Attention: Mr. Adam Wayne, Engineer

Regarding: 2015 Neighborhood Roads Asphalt Program
Recommendation for Quince Street Ditch Enclosure Change Order

Dear Mr. Wayne:

At the request of the City, OHM Advisors prepared additional plans and specifications related to providing a ditch enclosure along Quince Street and the west portion of Tamara Drive, that is part of our on-going 2015 Neighborhood Roads Asphalt Program Contract with Cadillac Asphalt, LLC. The road rehabilitation in this portion of the project was delayed last fall to allow for the completion of the school year, as this route is mainly utilized for the main school traffic routes for both buses and parent drop-off. Once the pipe and drainage structures are installed as part of the proposed ditch enclosure, the remaining portion of the road rehabilitation would be entirely completed prior to end of August, 2016.

After providing our additional plans and specifications to Cadillac Asphalt, LLC for this work, we obtained unit prices for these additional work items. We have since evaluated the submitted costs with our Engineer's Estimate for this work (estimated at \$239,000), and have determined the cost to be consistent with current market conditions. We have attached a summary of all necessary work items associated with this new phase of the project, some of which will in-turn reduce the cost of the remaining road paving operation, such as for driveway approach replacement. The estimated total cost of the change order for the ditch enclosure installation is approximately \$211,247, which actual cost will be balanced and finalized at the end of the project, along with the remaining costs for the overall 2015 Neighborhood Asphalt Roads Contract.

Based on the above summary and the attached cost information, we recommend that the City approve the change order to Cadillac Asphalt to continue with this ditch enclosure in the estimated amount of \$211,247. We look forward to continuing to provide our professional services on this project through the completion of the construction phase of work later this summer. If you have any questions, please do not hesitate to contact me at (734) 466-4439.

Sincerely,

OHM Advisors



George A. Tsakoff, PE

Project Manager

Enclosure: *Change Order Itemized Cost Summary by OHM; Contractor Quote for Work Items*