

CITY OF NOVI CITY COUNCIL August 30, 2021

SUBJECT: Consideration of Approval of Change Order No. 2 to Fonson Company, Inc. for the Martin Avenue Storm Sewer Improvements project to the Lee BeGole Headwall, Bishop Creek Streambank Stabilization, and Meadowbrook Road Sidewalk contract, in the amount of \$386,068 and amend the budget.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 386,068
AMOUNT BUDGETED	\$ 20,000
APPROPRIATION REQUIRED	\$ 513,850
LINE ITEM NUMBER	210-211.00-865.241

BACKGROUND INFORMATION:

At the City Council Meeting on July 12, 2021 staff was directed to address ongoing storm drainage issues on Martin Avenue and the adjacent neighborhood along Linhart Street and Wainwright Street.

The Martin Avenue storm drain pipe currently collecting drainage is undersized (15") and the area has been impacted by new development to the west (Lakeview). Runoff from the Lakeview Development has exasperated current poor conditions and upsizing the drain pipe is recommended by staff. Lakeview has been directed to install corrective measures to keep the runoff on site and to manage drainage per the approved site plan.

The significant rainfall event of June 25, 2021 contibuted to flooding reported by residents, and staff responded by engaging OHM-Advisors to scope a project to upsize the Martin Avenue pipe. Design work thus far by OHM-Advisors was executed via a purchase order amendment to the existing Lee BeGole Headwall, Bishop Creek Streambank Stabilization, and Meadowbrook Road Sidewalk project. OHM has worked with staff and the contractor, Fonson Company, Inc., to design and estimate units prices for the attached change order for construction of a new storm drain system.

Since the last City Council Meeting, it was determined that upsizing the pipe would conflict with existing sanitary sewer pipe (east) and water main (west) on both sides of Martin Avenue; therefore, the storm pipe will have to be relocated in the road and the road will also have to be reconstructed. Due to material sourcing the storm drain work is expected to start at the end of September/start of October and be completed this fall.

To keep the project moving, the work associated with the road reconstruction can be included in the 2021 Neighborhood Road Program – Asphalt Streets contract as an addition executed at a later date. Since the road work will likely not be completed until spring (contractor bandwidth), staff recommends adding the Wainwright Street, Linhart Street, and Paramount Street to the paving to capitalize on unit prices and efficiency. These streets were all being considered for repaving after the Lakeview Development was substantially complete, so utilizing the effort and mobilization required for this project makes sense.

The contract administration and geotechnical engineering services related to this project change order will be granted to the following pre-qualified firms using the fee percentages in the Agreements for Professional Engineering Services and Geotechnical Engineering Services for Public Projects.

OHM-Advisors							
Martin Avenue Storm Sewer Improvements	Contract Administration	6.75% of the construction contract (\$386,068 x 6.75%)	\$ 26,059.59				
	Crew Days	\$700 daily inspection fee x 20 days	\$ 14,000.00				
Testing Engineers & Consultants, Inc. (TEC)							
Martin Avenue Storm Sewer Improvements Material Testing Services		2.0% of the construction contract (\$368,068 x 2.0%)	\$ 7,721.36				

RECOMMENDED ACTION: Approval of Change Order No. 2 to Fonson Company, Inc. for the Martin Avenue Storm Sewer Improvements project to the Lee BeGole Headwall, Bishop Creek Streambank Stabilization, and Meadowbrook Road Sidewalk contract, in the amount of \$386,068 and amend the budget.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED that the following Budget Amendment for Change Order No. 2 to Fonson Company, Inc. for the Martin Avenue Storm Sewer Improvements project is authorized:

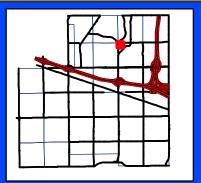
INCREASE (DECREASE)

DRAIN FUND	
APPROPRIATIONS	
Capital Outlay	513,850
TOTAL APPROPRIATIONS	\$ 513,850
Net Increase (Decrease) to Fund Balance	\$ (513,850)

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi at a regular meeting held on August 30, 2021.

Cortney Hanson City Clerk





Map Legend

- → Proposed Storm Sewer
- Storm Sewer (Existing)
- Water Main
- Sanitary Sewer
- >>> Pavement Replacement







City of Novi

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

Map Author: Croy Date: 7/20/21 Project: Martin Storm Sewer 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.



WORK CHANGE DIRECTIVE & CHANGE ORDER No. 2

PURCHASE ORDER NO. 96473

NOVI NO.: 20-3401 ENG033; 133-07;

		333	CIP NO.: 135-70
Project:	Lee BeGole Headwall/Bishop Streamba	nk & Seg 70 Sidewalk	
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:	Fonson Company, Inc. 7644 Whitmore Lake Road Brighton, Michigan 48116 (810) 231-5188	Time and chang balancing indivi	nereby renders changes in the Work, changes in the Contract es in the Contract Price by adding, deducting and/or dual Contract line items through a signed authorization of the or, Owner, and Engineer.
Drafted Date	: August 23, 2021]	
Reasoning:	Adding New Division #4: Martin Ave Storm Sewer Improv	ements and Items 110 - 137 as well as 20 Co	rew Days for the New Division.

EXISTING CONTRACT ITEMS

						Contract Price	
Item No.	Division	Item Description	<u>Unit</u>	Unit Price	Quantity	Add	<u>Deduct</u>
0	1	"Crew Days" - Lee BeGole Headwall "Crew Days" - Bishop Streambank Stabilize "Crew Days" - Seg 70 - Mdwbrk Sidewalk "Crew Days" - Martin Ave Storm Sewer Imp	CD	\$700.00			
0	2	"Crew Days" - Bishop Streambank Stabilize	CD	\$700.00			
0	3	"Crew Days" - Seg 70 - Mdwbrk Sidewalk	CD	\$700.00			
0	4	"Crew Days" - Martin Ave Storm Sewer Imp	CD	\$700.00	20	☑	
0		"Crew Days" -	CD	\$700.00			
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					Subtotals	\$0.00	\$

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		NEW	CONTRACT I	TEMS			
Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Add	Price Deduct
110	4	Mobilization, Max 5%	LS	\$19,500.00	1	\$19,500.00	Deduct
111	4	Traffic Maintenance and Control	LS	\$3,700.00	1	\$3,700.00	
112	4	Audio Video Route Survey	LS	\$1,075.00	1	\$1,075.00	
113	4	Dr Structure, Rem	EA	\$825.00	19	\$15,675.00	
114	4	Sewer, Rem, Less than 24 inch Pavt, Rem	FT SYD	\$56.00	499 1342	\$27,944.00	
115 116	4	Storm Sewer, 12 inch to 15 inch, Abandon with Flowable Fill	LS	\$9.00 \$10,800.00	1342	\$12,078.00 \$10,800.00	
117	4	Erosion Control, Inlet Protection, Fabric Drop	EA	\$165.00	2	\$330.00	
118	4	Erosion Control, Silt Fence	FT	\$6.00	90	\$540.00	
119	4	Aggregate Base, 21AA, 8 inch	SYD	\$16.00	640	\$10,240.00	
120	4	Maintenance Gravel	TON	\$38.00	60	\$2,280.00	
121	4	Culv End Sect, 12 inch	EA	\$430.00	10	\$4,300.00	
122	4	Culv End Sect, 30 inch	EA	\$950.00	1	\$950.00	
123	4	HP Storm Drain Pipe, 12 inch	FT	\$95.00	238	\$22,610.00	
124	4	HP Storm Drain Pipe, 18 inch	FT	\$106.00	283	\$29,998.00	
125	4	HP Storm Drain Pipe, 30 inch	FT	\$216.00	433	\$93,528.00	
126 127	4	HP Storm Drain Pipe, 24 inch Sewer Tap, 10 inch	FT EA	\$106.00 \$550.00	180 2	\$19,080.00 \$1,100.00	
128	4	Underdrain, Subgrade, 6 inch	FT	\$21.00	200	\$4,200.00	
129	4	Catch Basin, 24 inch dia	EA	\$2,200.00	1	\$2,200.00	
130	4	Catch Basin, 48 inch dia	EA	\$2,850.00	1	\$2,850.00	
131	4	Yard Basin, 12 inch dia	EA	\$2,700.00	3	\$8,100.00	
132	4	Storm Manhole, 48 inch dia	EA	\$2,900.00	2	\$5,800.00	
133	4	Storm Manhole, 60 inch dia	EA	\$3,850.00	7	\$26,950.00	
134	4	Ditch Grading	FT	\$24.00	1185	\$28,440.00	-
135	4	Restoration	LS	\$13,800.00	1	\$13,800.00	
136	4	Water Main Conflict, 8 inch	EA	\$15,000.00	1	\$15,000.00	
137	4	Sanitary Sewer Conflict, 8 inch	EA	\$1,500.00	2	\$3,000.00	
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				-			
					Subtotals	\$386,068.00	\$0.00
				_	Total	φοσο,σοσ.σσ	\$386,068.00
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Increase/Decr	ease in Co	entract Price					\$386,068.00
Original Contr							\$894,884.05
Sum of Previou	us Approv	ed Change Orders					\$10,070.28
Revised Contr	act Amoui	nt					\$1,291,022.33
THE	CHANGE	S ADDRESSED BY THIS CHANGE ORDER HEREE	BY ADJUSTS TH	E CONTRACT TIME	BY:		
Ad	ccepted By:						
			For	nson Company, Inc.			
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Pı	repared By:			OHM Advisor=			
				OHM Advisors			
Re	eviewed By:			0	_		
			Aaron J. St	aup, Construction Engineer	•		
Αţ	oproved By:		T	zonie, Purchasing Manager	-		

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