CITY OF NOVI CITY COUNCIL JULY 10, 2023



SUBJECT: Consideration of Approval of Change Order No. 1 to Cadillac Asphalt, LLC for the reconstruction of the eastern 500-feet of Drakes Bay Drive as part of the 2023 Industrial Roads Rehabilitation Program in the amount of \$386,927.26.

SUBMITTING DEPARTMENT: Department of Public Works – Engineering Division

EXPENDITURE REQUIRED	\$ 386,927.26
AMOUNT BUDGETED	\$ 509,154.00
APPROPRIATION REQUIRED	\$0
LINE ITEM NUMBER	203-449.30-975.272

BACKGROUND INFORMATION:

City Staff along with our engineering consultant, AECOM-Great Lakes, are in the process of developing our annual Capital Preventative Maintenance (CPM) program. This program addresses streets on a PASER rating level of 6 and higher. These streets would receive a maintenance-type fix that is less involved, intrusive, or as expensive as a reconstructive effort. For this next CPM program, we have developed a two-tier 'Priority' 1 & 2 list of streets. In the Priority 1 subset, all the streets are located within the Island Lake of Novi Subdivision, and almost all have a current PASER rating of 6 or 7. The exception being one, 500-foot section of Drakes Bay Drive (near Wixom Road).

Based on our analysis of the existing asphalt and subbase materials, in this area of Drakes Bay Drive, it was clear that a more robust, reconstructive effort is needed. This method involves a complete removal of the existing asphalt and approximately a foot of the existing clay subbase; replace with an aggregate material; install a 6-inch subsurface drainage system along both curb lines; and then pave back a new 6inches of deep strength asphalt. Since the CPM program will be initiated later this summer staff recommends utilizing this existing rehabilitation contract to complete the work on Drakes Bay Drive first.

The contract administration and geotechnical engineering services related to this project addition 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.

AECOM-Great I	.akes		
	Design	7.5% of the Change Order value (\$386,927.26 X 0.075)	\$ 29,019.54
Drakes Bay Drive Contract Administration		7.5% of the Change Order value (\$386,927.26 X 0.075)	\$ 29,019.54
	Crew Days	\$800 daily inspection fee x 16 days	\$ 12,800.00
G2 Consulting G	Group, Inc. (G2)		
Drakes Bay Drive	Material testing services	2.0% of the Change Order value (\$386,927.26 X 0.02)	\$ 7,738.54

RECOMMENDED ACTION: Approval of Change Order No. 1 to Cadillac Asphalt, LLC for the reconstruction of the eastern 500-feet of Drakes Bay Drive as part of the 2023 Industrial Roads Rehabilitation program in the amount of \$386,927.26.



MAP INTERPRETATION NOTICE







cityofnovi.org	

WORK CHANGE DIRECTIVE & CHANGE ORDER No. _____1

PURCHASE ORDER NO.

NOVI	NO.:	23-2301
CIP	NO.:	ENG079

			97.	293			CIP NO.:	ENGUIS
Brolost	2022 11-1			1				
Project:	2023 INC	DUSTRIAL ROAD REHABILITAT	ION PROGRAM					
Owner:	City of N	ovi	1	Engineer:	AECOM-Great La	kes		
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		chigan 48375			Novi, Michigan 48			
	(248) 735				(248) 204-5900			
	<u></u>		_					
Contractor:		Asphalt, LLC]	This document h	ereby renders chang	ges in the Work, c	hanges in the Contract	
		. 12 Mile Road		Time and chang	es in the Contract Pr	ice by adding, dea	ducting and/or	
	Wixom, N	Aichigan 48393		balancing individ	dual Contract line ite	ms through a sign	ed authorization of the	
	(248) 388	8-7074	J		or, Owner, and Engin			
		•	-					
Drafted Date:		June 27, 2023]					
Reasoning:	مرم اخاله ام ۵	of work on Drakes Bay - 500' of	Decemetrust					
reasoning.	Addition	of work of Drakes Bay - 500 of	Reconstruct					
			EXISTI	NG CONTRAC	T ITEMS			
							Contrac	t Price
Item No.	Division	Item Description		<u>Unit</u>	Unit Price	Quantity	Add	Deduct
0	1	"Crew Days" - Base Bid - Magel	& Humbolt	CD	\$800.00			
0	2	"Crew Days" - Alt No. 1 - Courts	3	CD	\$800.00			
0	3	"Crew Days" - Alt No. 2 - Hudso	n	CD	\$800.00			
0	4	"Crew Days" - Drakes Bay		CD	\$800.00		✓	
0	5	"Crew Days" -		CD	\$800.00			
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						Total		\$0.00
				Page 1 of 2				

Item No.DivisionItem DescriptionUnitUnit PriceQuantityAdd294Mobilization - Drakes BayLS\$38,900.001\$38,900.00304Pre-Construction Audio-Visual - Drakes BayLS\$1,600.001\$1,600.00	ract Price
29 4 Mobilization - Drakes Bay LS \$38,900.00 1 \$38,900. 30 4 Pre-Construction Audio-Visual - Drakes Bay LS \$1,600.00 1 \$1,600.	
30 4 Pre-Construction Audio-Visual - Drakes Bay LS \$1,600.00 1 \$1,600.	Deduct
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	00
31 4 HMA Surface, Rem Syd \$9.97 2731 \$27,228.	
32 4 Curb and Gutter, Rem Ft \$37.00 140 \$5,180.	
33 4 Conc Curb (Includes Detail M) Ft \$36.00 140 \$5,040.	
33 4 Conc curb (minutes betain m) Ft \$35.00 140 \$3,040.	
34 4 Roadway Grading Sta \$7,061.25 5.1 \$36,012.	
35 4 Aggregate Base, 21AA Limestone, 10 inch Syd \$23.10 2731 \$63,086.	
36 4 HMA, 3EML Ton \$131.77 474 \$62,458.	98
37 4 HMA, 4EML Ton \$116.46 316 \$36,801.	
38 4 HMA, 5EML Ton \$165.47 316 \$52,288.	
39 4 Underdrain, Subgrade, Open-Graded, 6 inch Ft \$23.10 1378 \$31,831.	
40 4 Dr Structure, Tap, 6 inch Ea \$630.00 2 \$1,260.	00
41 4 Subgrade Undercut, Special 1 x 3 Cyd \$75.60 100 \$7,560.	00
42 4 Sidewalk, Rem Syd \$9.45 9 \$85.	
43 4 Sidewalk, Conc, Ramp 6 inch Sft \$10.50 80 \$840.	
44 4 Detectable Warning Surface Ft \$63.00 10 \$630.	
45 4 Surface Restoration - Drakes Bay LS \$3,000.00 1 \$3,000.	00
46 4 Pavt Mrkg, Waterbrn, 24 inch, Wht, Stop Bar Ft \$25.00 25 \$625.	00
47 4 Maintaining Traffic - Drakes Bay LS \$12,500.00 1 \$12,500.	00
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