CITY of NOVI CITY COUNCIL



Agenda Item 1 September 9, 2019

SUBJECT: Consideration of Approval of Change Order No. 6 to L. J. Construction, Inc. for the 2018-2019 Boardwalk Repair Program, in the amount of \$304,244.95.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 304,244.95
AMOUNT BUDGETED	\$364,355 204 Fund FY 2018-19 Budget Rollover
	\$127,620 400 Fund FY 2018-19 Budget Rollover
APPROPRIATION REQUIRED	\$0
LINE ITEM NUMBER	204-204.00-974.476
	400-204.00-974.476

BACKGROUND INFORMATION:

The Engineering and Field Operations Divisions' have created a plan to refurbish and restore the city's vastboardwalk network. Staff evaluated and categorized each of the 36 city-owned boardwalks for maintenance, repair, or replacement based on the condition and usage. The first categorization was to determine which boardwalks could be maintained by in-house staff from the Field Operations Division and which boardwalks required more extensive rehabilitation by a qualified contractor. The developed categorization generated a list of fourteen (14) boardwalks that needed this special, contractor attention.

On October 22, 2018, City staff brought to City Council a recommendation to award a contract to L. J. Construction, Inc., in the amount of \$544,847.00. Based on the approved budget at the time, this contract concentrated on the six (6) highest rated boardwalks (Boardwalk No.'s 1, 3, 4, 11, 14 and 17) out of the 14 for immediate repair or replacement. Later a change order was issued to L. J. Construction to add boardwalks 5, 8, 15 and 33 via approval by City Council on February 25, 2019, in the amount of \$316,390.00.

Boardwalk No. 10, located on the west side of Beck Road, along the south property frontage of the Kirkway Place development (which was also on the list of 14), was previously added to the 8 Mile Pathway (Garfield to Napier) contract and contractor (Koala-T Construction). Two small sections of this boardwalk were in such poor condition that it had been closed for a long period of time. Due to the amount of usage this boardwalk receives, the City decided to immediately issue a change order to Koala-T Construction in order to accelerate its reopening. The work included removal and replacement of the two damaged areas of approximately 50-feet each, along with helical piers.

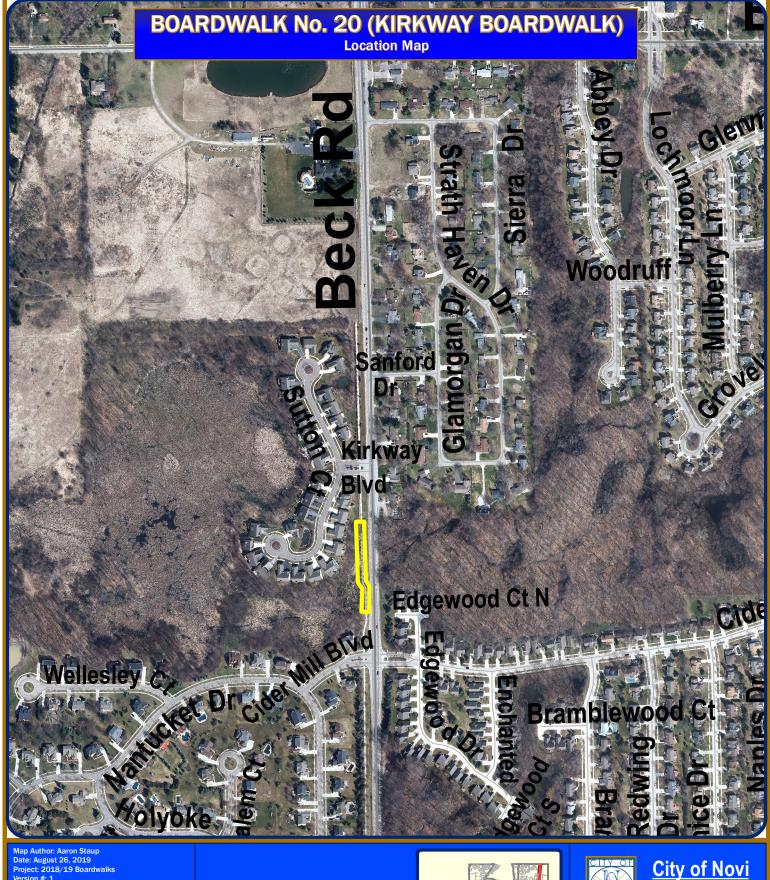
After about six months, the remainder of Boardwalk No. 10 (Kirkway Boardwalk) started showing signs of deflection and settlement. Therefore, complete removal and replacement of the remainder of this boardwalk, minus the helical piers installed at the

two small segments earlier with Koala-T Construction, is required. City staff requests the approval of Change Order No. 6 in the estimated amount of \$304,244.95 to L. J. Construction, Inc. It is anticipated construction would begin in late September.

CHANGE ORDER	AMOUNT	REASONING
1	\$63,252.00	Adjusted the repair types to multiple boardwalks due to unforeseen subsoils.
2	\$39,408.00	Added helical pier depth to Boardwalk No. 20 (Bellagio) to reach a stable foundation.
3	\$316,390.00	Added Boardwalks 5, 8, 15 & 33 to L. J.'s contract via City Council approval on February 25, 2019.
4	-\$22,131.50	Final balancing of contract line items upon as-built quantities.
5	\$9,300.00	Modification of two-line item quantities that were incorrectly balanced on Change Order No. 4.
6	\$304,244.95	Current request to completely remove and replace Boardwalk No. 10 (Kirkway Boardwalk).
TOTAL	\$710,463.45	

The table below breaks down each Change Order issued toward this contract:

RECOMMENDED ACTION: Approval of Change Order No. 6 to L. J. Construction, Inc. for the 2018-2019 Boardwalk Repair Program, in the amount of \$304,244.95.



on #: 1 Amended By: Date:

Department

MAP INTERPRETATION NOTICE



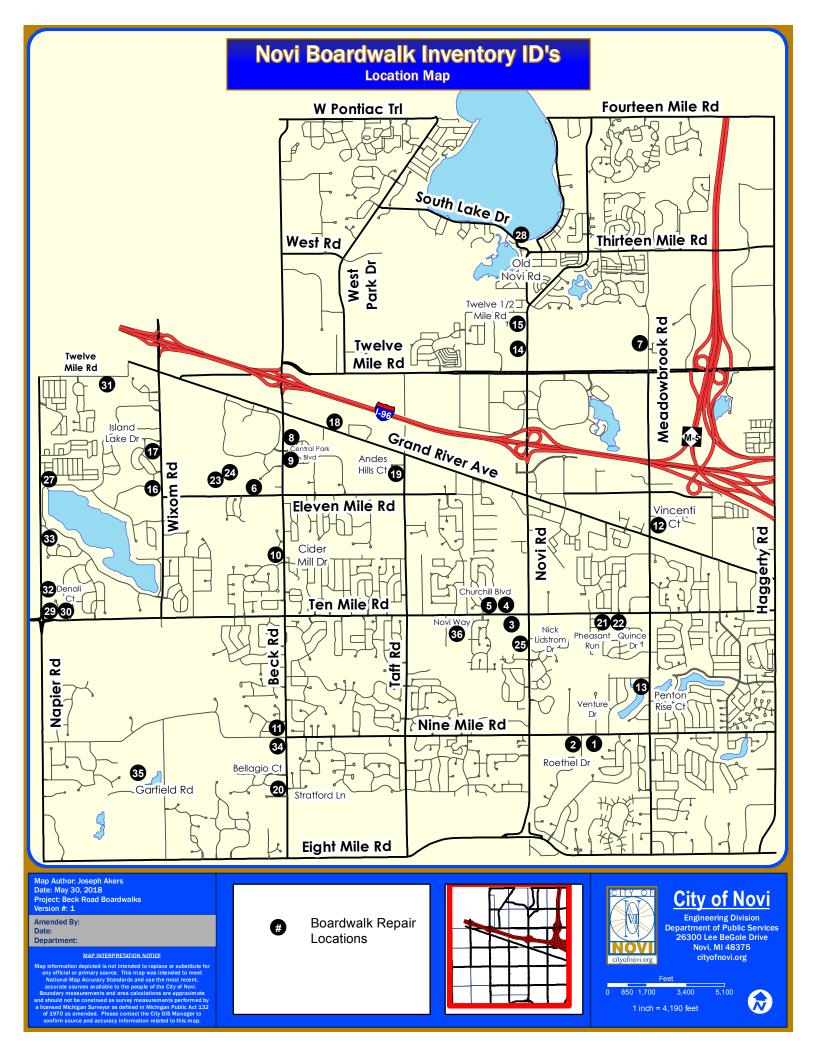




570

inch = 460 feet







WORK CHANGE DIRECTIVE & CHANGE ORDER No. 6

cityofnovi.org		Г	PURCHASE 956				NOVI NO.: CIP NO.:	18-5002 ENG027
Project:	2018 Bo	ardwalk Repair Program						
Owner:	City of No		Γ	Engineer:	AECOM-Great Lal	kes		
	26300 Le	ee BeGole Dr. chigan 48375	L		27777 Franklin Ro Southfield, Michig	oad, Suite 2000		
	(248) 735				(248) 204-5900	jan 40034		
Contractor:	L. J. Con	struction, Inc.		This document h	ereby renders chang	ges in the Work, cl	hanges in the Contract	
	5863 S. 🖡	Kingston Road Michigan 48727		Time and change	es in the Contract Pri	ice by adding, deo		
	(989) 761				r, Owner, and Engine			
Drafted Date:		August 21, 2019						
Reasoning:	Additional w	ork to be performed on the Kirkway Boardwal	k]
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			EXISTI	NG CONTRAC	T ITEMS			
Item No.	Division	Item Description		<u>Unit</u>	Unit Price	Quantity	Contrac <u>Add</u>	t Price <u>Deduct</u>
0	-	"Crew Days" - Base Bid "Crew Days" -		CD CD	\$700.00 \$700.00		<u> </u>	
0		"Crew Davs" -		CD	\$700.00			
0		"Crew Days" -		CD	\$700.00			
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						Subtotals	\$0.00	\$0.00
				Page 1 of 2	ĺ	Total		\$0.00

		NEW	CONTRACT	TEMS			
Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Add	Price Deduct
45	DIVISION	Maintenance of Traffic (Kirkway)	LS	\$7,500.00	<u>Quantity</u>	\$7,500.00	Deduct
46		Mobilization (Kirkway)	LS	\$25,000.00	1	\$25,000.00	
47		Pre-Con Audio-Visual (Kirkway)	LS	\$1,000.00	1	\$1,000.00	
48		Surface Restoration (Kirkway)	LS	\$1,750.00	1	\$1,750.00	
49		Helical Pile Equipment, Furn (Kirkway)	LS	\$3,000.00	1	\$3,000.00	
50		Boardwalk, Rem (Kirkway)	FT	\$80.00	438	\$35,040.00	
51		Boardwalk Decking Boards (Kirkway)	SY	\$85.00	486.67	\$41,366.95	
52		Boardwalk Railing (Kirkway)	FT		876	\$46,428.00	
		Boardwalk Railing (Kirkway)	FI FT	\$53.00		\$52,560.00	
53		Boardwalk Substructure, Beams/Joists (Kirkwa		\$120.00	438	\$52,560.00	
54		Helical Piles (15-feet Deep) (Kirkway)	EA	\$800.00	62	\$49,600.00	
55		Helical Pile, Additional 5 foot over 15' (Kirkway	EA	\$200.00	140	\$28,000.00	
56		Concrete Headwall	EA	\$6,500.00	2	\$13,000.00	
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					Subtotals	\$304,244.95	\$0.00
					Subtotals Total	\$304,244.95	\$0.00 \$304,244.95
						\$304,244.95	\$304,244.95
	ease in Cc	ontract Price				\$304,244.95	\$304,244.95 \$304,244.95
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