



CITY of NOVI CITY COUNCIL

**Agenda Item 11
October 22, 2018**

SUBJECT: Approval to award the construction contract to L.J. Construction, Inc. for the 2018 Boardwalk Repair Program in the amount of \$544,847.00.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 544,847.00
AMOUNT BUDGETED	\$ 506,750 400-204.00-974.476 \$ 130,000 204-204.00-974.476 \$ 636,750
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	400-204.00-974.476 204-204.00-974.476

BACKGROUND INFORMATION:

In an attempt to reestablish the City's boardwalk network, the Engineering and Field Operations Divisions created a plan to refurbish and restore the City boardwalks. Staff evaluated and categorized each boardwalk for maintenance, repair, or replacement based on the condition. Staff selected the following six boardwalk candidates for repair based on condition and usage:

- o **Boardwalk #1** – South side 9 Mile Road, east of Roethel Drive;
- o **Boardwalk #3** – South side 10 Mile Road, west of Novi Road;
- o **Boardwalk #4** – North side 10 Mile Road, east of Churchill Boulevard and currently dead-ends (being reconstructed in-kind in anticipation of private developer completing the non-motorized connection to the west);
- o **Boardwalk #11** – West side Beck Road, north of 9 Mile Road;
- o **Boardwalk #14** – West side Novi Road, north of 12 Mile Road;
- o **Boardwalk #17** – West side Wixom Road, south of Island Lake Drive.

AECOM, the City's Engineering Consultant, assisted the Engineering Division with developing the plans for this project. Engineering staff advertised the plans for public bids on September 27, 2018. Following the solicitation period, three (3) bids were received and opened on October 11, 2018. L.J. Construction's bid, including the alternate bid (Boardwalk #14), is recommended as being in the best interest of the City as it is responsive and complies with all of the requirements of the bidding instructions. Attached in the packet are the award recommendation letter and bid tabulation. The summary of the bid tabulation is as follows:

Contractor	Base Bid (including Crew Days)*	Alternate Bid (including Crew Days)*
L.J. Construction, Inc.	\$ 407,738.00	\$ 179,809.00
Cross Renovation, Inc.	\$ 471,844.00	\$ 211,458.00
Anglin Civil, LLC	\$ 571,442.80	\$ 236,047.20

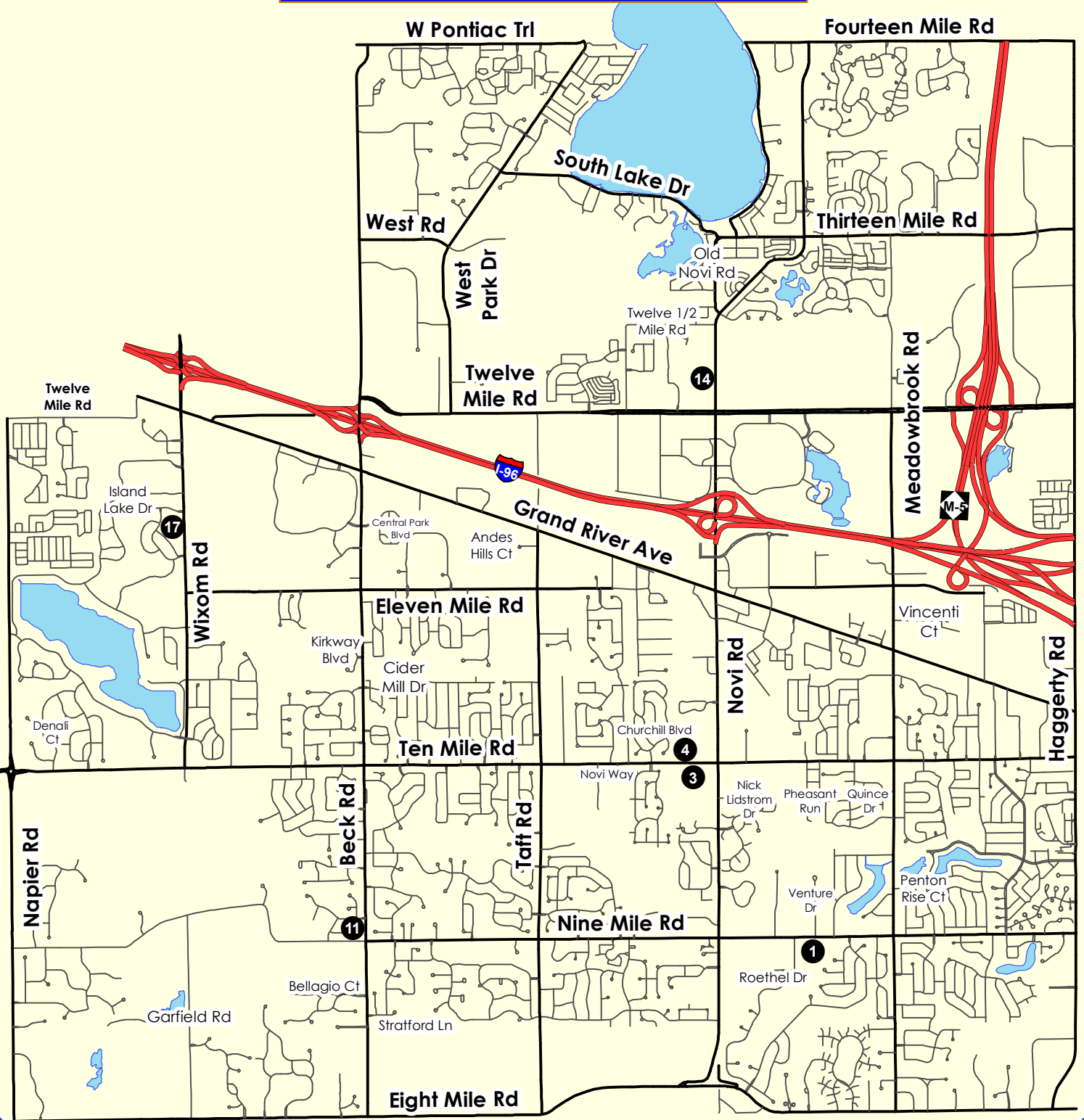
***Crew Days are included to compare bids, but are not included in the award.**

Since the CIP Budget for the project is \$500,000.00, staff recommends using savings from the Pontiac Trail sidewalk project (\$130,000.00) to complete the all of aforementioned list including the alternate, and capitalize on unit prices. The construction engineering services award associated with this project is proposed elsewhere on this agenda. It is anticipated the project will be substantially completed in April 2019.

RECOMMENDED ACTION: Approval to award the construction contract to L.J. Construction, Inc. for the 2018 Boardwalk Repair Program in the amount of \$544,847.00.

2018 Boardwalk Repairs

Location Map



Map Author: Joseph Akers
 Date: October 9, 2018
 Project: Boardwalks
 Version #: 1.1

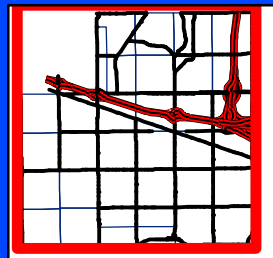
Amended By:
 Date:
 Department:

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.



Boardwalk Repair Locations



City of Novi

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

Feet

0 850 1,700 3,400 5,100

1 inch = 4,190 feet





October 12, 2018

Mr. Joseph Akers
City of Novi
Engineering Department
26300 Lee BeGole Drive
Novi, MI 48375

Reference: Bid Analysis and Contract Award Recommendation
2018 Boardwalk Repair Program
AECOM Project Number 60579376

Dear Mr. Akers:

Attached is the Bid Tabulation for the above referenced project. Three bids were received and opened on October 11, 2019. Competition appears to have been very good and the low bid is under the latest Engineer's Estimate for both the Base and Bid Alternate 1 work. No irregularities are noted in the bids and all bidders acknowledged receipt of Addendum 1.

There was one mathematical error in the base bid from Cross Renovation which increased their bid by \$1500. After correction, the order of bidders was not changed.

The low bid for the Base Bid work is \$407,738.00 from LJ Construction Inc. The low bid for Bid Alternate 1 work is \$179,809.00, also from LJ Construction, Inc.

LJ Construction, the low bidder, has completed similar projects for the City of Novi and has performed well. The bonding company listed in the Statement of Qualifications has an AM Best rating that exceeds the minimum requirements.

We recommend that LJ Construction be awarded the Base Bid plus Bid Alternate 1 for the bid amount, excluding crew days, of 544,847.00.

Please feel free to contact me if you need anything else or wish to discuss the project.

Sincerely,
AECOM Great Lakes

Sean Kelsch, P.E.
Project Manager

cc: Mark Koskinen, AECOM

**City of Novi 2018 Boardwalk Repair Program
Tabulation of Bids
10/11/2018**

Item	Item Description	Unit	Quantity	Engineers Estimate		LJ Construction		Cross Renovation		Anglin Civil	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
BASE BID											
1	Mobilization (Max. 10%)	LS	1	\$50,000.00	\$ 50,000.00	\$40,000.00	\$ 40,000.00	\$22,398.00	\$ 22,398.00	\$50,000.00	\$ 50,000.00
2	Maintaining Traffic	LS	1	\$25,000.00	\$ 25,000.00	\$28,000.00	\$ 28,000.00	\$10,000.00	\$ 10,000.00	\$18,000.00	\$ 18,000.00
3	Fence, Protective	Ft	500	\$20.00	\$ 10,000.00	\$1.50	\$ 750.00	\$3.00	\$ 1,500.00	\$18.00	\$ 9,000.00
4	Silt Fence	Ft	1000	\$1.60	\$ 1,600.00	\$1.50	\$ 1,500.00	\$3.00	\$ 3,000.00	\$4.80	\$ 4,800.00
5	Boardwalk, Rem	Ft	98	\$81.00	\$ 7,938.00	\$95.00	\$ 9,310.00	\$38.00	\$ 3,724.00	\$40.80	\$ 3,998.40
6	Boardwalk, Rem, Partial (Decking and Railing)	Ft	898	\$35.00	\$ 31,430.00	\$34.00	\$ 30,532.00	\$38.00	\$ 34,124.00	\$40.80	\$ 36,638.40
7	Boardwalk, Rem, Partial (Joists)	Ft	130	\$40.00	\$ 5,200.00	\$31.00	\$ 4,030.00	\$38.00	\$ 4,940.00	\$40.80	\$ 5,304.00
8	Sidewalk, Rem	Syd	10	\$10.00	\$ 100.00	\$50.00	\$ 500.00	\$16.00	\$ 160.00	\$60.00	\$ 600.00
9	Concrete Headwall	Each	2	\$4,000.00	\$ 8,000.00	\$6,500.00	\$ 13,000.00	\$11,000.00	\$ 22,000.00	\$12,000.00	\$ 24,000.00
10	Boardwalk Decking Boards	Syd	900	\$100.00	\$ 90,000.00	\$85.00	\$ 76,500.00	\$78.00	\$ 70,200.00	\$82.80	\$ 74,520.00
11	Boardwalk Railing	Ft	1992	\$56.00	\$ 111,552.00	\$53.00	\$ 105,576.00	\$89.00	\$ 177,288.00	\$94.80	\$ 188,841.60
12	Boardwalk Substructure, Beams and Joists	Ft	98	\$99.00	\$ 9,702.00	\$120.00	\$ 11,760.00	\$221.00	\$ 21,658.00	\$232.80	\$ 22,814.40
13	Boardwalk Substructure, Joists Only	Ft	130	\$100.00	\$ 13,000.00	\$90.00	\$ 11,700.00	\$64.00	\$ 8,320.00	\$67.20	\$ 8,736.00
14	Additional Bolts for Boardwalk Substructure	Each	50	\$20.00	\$ 1,000.00	\$12.00	\$ 600.00	\$13.00	\$ 650.00	\$13.20	\$ 660.00
15	Helical Pile - 15 Feet Deep	Each	24	\$800.00	\$ 19,200.00	\$800.00	\$ 19,200.00	\$1,147.00	\$ 27,528.00	\$1,500.00	\$ 36,000.00
16	Helical Pile, Additional 5 Foot Section for Depth over 15 Feet	Each	5	\$125.00	\$ 625.00	\$200.00	\$ 1,000.00	\$148.00	\$ 740.00	\$1,140.00	\$ 5,700.00
17	Helical Pile, Battered	Each	5	\$1,000.00	\$ 5,000.00	\$800.00	\$ 4,000.00	\$466.00	\$ 2,330.00	\$1,440.00	\$ 7,200.00
18	Helical Pile Equipment, Furnished	LS	1	\$5,000.00	\$ 5,000.00	\$5,000.00	\$ 5,000.00	\$0.00	\$ -	\$6,000.00	\$ 6,000.00
19	Aggregate Base, 21AA Limestone, 6 inch	Syd	10	\$9.00	\$ 90.00	\$30.00	\$ 300.00	\$25.00	\$ 250.00	\$60.00	\$ 600.00
20	Obstruction Removal, Unexpected	Dlrs	500	\$1.00	\$ 500.00	\$1.00	\$ 500.00	\$1.00	\$ 500.00	\$1.00	\$ 500.00
21	Sidewalk, Conc, 4 inch	Sft	140	\$8.00	\$ 1,120.00	\$15.00	\$ 2,100.00	\$5.50	\$ 770.00	\$24.00	\$ 3,360.00
22	Sidewalk Grading	Ft	16	\$20.00	\$ 320.00	\$5.00	\$ 80.00	\$20.00	\$ 320.00	\$120.00	\$ 1,920.00
23	Rip Rap, Plain, Mod	Syd	8	\$75.00	\$ 600.00	\$400.00	\$ 3,200.00	\$118.00	\$ 944.00	\$300.00	\$ 2,400.00
24	Surface Restoration	LS	1	\$17,750.00	\$ 17,750.00	\$5,000.00	\$ 5,000.00	\$17,500.00	\$ 17,500.00	\$14,400.00	\$ 14,400.00
25	Pre-Construction Audio Visual	LS	1	\$1,750.00	\$ 1,750.00	\$3,500.00	\$ 3,500.00	\$6,000.00	\$ 6,000.00	\$3,450.00	\$ 3,450.00
26	Crew Days	Day	60	\$700.00	\$ 42,000.00	43	\$ 30,100.00	50	\$ 35,000.00	60	\$ 42,000.00
	TOTAL BASE BID				\$ 458,477.00		\$ 407,738.00		\$ 471,844.00		\$ 571,442.80
BID ALTERNATE 1											
27	Mobilization (Max. 10%) Alt 1	LS	1	\$15,000.00	\$ 15,000.00	\$15,000.00	\$ 15,000.00	\$10,070.00	\$ 10,070.00	\$22,000.00	\$ 22,000.00
28	Maintaining Traffic Alt 1	LS	1	\$3,000.00	\$ 3,000.00	\$7,500.00	\$ 7,500.00	\$7,000.00	\$ 7,000.00	\$6,000.00	\$ 6,000.00
29	Boardwalk, Rem, Partial (Decking and Railing)	Ft	424	\$35.00	\$ 14,840.00	\$34.00	\$ 14,416.00	\$38.00	\$ 16,112.00	\$40.80	\$ 17,299.20
30	Boardwalk, Rem, Partial (Joists)	Ft	424	\$40.00	\$ 16,960.00	\$31.00	\$ 13,144.00	\$38.00	\$ 16,112.00	\$40.80	\$ 17,299.20
31	Boardwalk Decking Boards Alt 1	Syd	377	\$100.00	\$ 37,700.00	\$85.00	\$ 32,045.00	\$78.00	\$ 29,406.00	\$82.80	\$ 31,215.60
32	Boardwalk Railing	Ft	848	\$56.00	\$ 47,488.00	\$53.00	\$ 44,944.00	\$89.00	\$ 75,472.00	\$94.80	\$ 80,390.40
33	Boardwalk Substructure, Joists Only	Ft	424	\$100.00	\$ 42,400.00	\$90.00	\$ 38,160.00	\$64.00	\$ 27,136.00	\$67.20	\$ 28,492.80
34	Surface Restoration Alt 1	LS	1	\$2,500.00	\$ 2,500.00	\$500.00	\$ 500.00	\$5,500.00	\$ 5,500.00	\$5,400.00	\$ 5,400.00
35	Pre-Construction Audio Visual Alt 1	LS	1	\$500.00	\$ 500.00	\$1,500.00	\$ 1,500.00	\$2,950.00	\$ 2,950.00	\$3,450.00	\$ 3,450.00
36	Crew Days Alt 1	Day	15	\$700.00	\$ 10,500.00	18	\$ 12,600.00	31	\$ 21,700.00	35	\$ 24,500.00
	TOTAL BID ALTERNATE 1				\$ 190,888.00		\$ 179,809.00		\$ 211,458.00		\$ 236,047.20
	BASE BID TOTAL				\$ 458,477.00		\$ 407,738.00		\$ 471,844.00		\$ 571,442.80
	BASE PLUS ALTERNATE 1 TOTAL				\$ 649,365.00		\$ 587,547.00		\$ 683,302.00		\$ 807,490.00
	BASE BID AWARD AMOUNT (EXCLUDES CREW DAYS)						\$ 377,638.00				
	BASE PLUS ALTERNATE 1 AWARD AMOUNT (EXCLUDES CREW DAYS)						\$ 544,847.00				

\$ X,XXX.XX *Italic font indicates Corrected Entry*

BID
2018 Boardwalk Repair Program

Bid of L.J. Construction Inc hereinafter called Bidder, organized and existing under the laws of or a resident of the State of Michigan, doing business as a corporation *.
Insert as applicable: "a corporation", "a partnership" or "an individual".

TO THE CITY OF NOVI, MICHIGAN, hereinafter called OWNER:

The undersigned as Bidder hereby declares: that this Bid is made in good faith without fraud or collusion with any person or persons bidding on the same Contract; that the Bidder has read and examined the Advertisement for Bids, Instructions to Bidders, Bid, General Conditions, Supplementary Conditions, Agreement, Forms of Bond, Specifications and Drawings, as prepared by the ENGINEER, and understands all of the same; that the Bidder of its representative has made personal investigation at the site and has become fully familiar with regard to the conditions to be met in the execution of this Contract, and the undersigned proposes to furnish all labor, materials, tools, power, transportation, and construction equipment necessary for the construction of the Project and performing related work in full accordance with the aforesaid Contract Documents, including any and all Addenda officially issued, their receipt of which is hereby acknowledged:

Addendum No.	Addendum Date
<u># 1</u>	<u>Oct 9, 2018</u>
_____	_____
_____	_____

The Contract will be awarded to the lowest responsive, responsible Bidder based on the unit prices for all Work specified. The Bidder agrees to complete the Project for the following unit prices:

BASE BID

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization (Max. 10%)	LS	1	40,000 ⁰⁰	40,000 ⁰⁰
2	Maintaining Traffic	LS	1	28,000 ⁰⁰	28,000 ⁰⁰
3	Fence, Protective	Ft	500	1.50	750 ⁰⁰
4	Silt Fence	Ft	1000	1.50	1,500 ⁰⁰
5	Boardwalk, Rem	Ft	98	95 ⁰⁰	9,310 ⁰⁰
6	Boardwalk, Rem, Partial (Decking and Railing)	Ft	898	34 ⁰⁰	30,532 ⁰⁰
7	Boardwalk, Rem, Partial (Joists)	Ft	130	31 ⁰⁰	4,030 ⁰⁰
8	Sidewalk, Rem	Syd	10	50 ⁰⁰	500 ⁰⁰
9	Concrete Headwall	Each	2	6,500 ⁰⁰	13,000 ⁰⁰
10	Boardwalk Decking Boards	Syd	900	85 ⁰⁰	76,500 ⁰⁰

2018 Boardwalk Repair Program

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
11	Boardwalk Railing	Ft	1992	53 ⁰⁰	105,576 ⁰⁰
12	Boardwalk Substructure, Beams and Joists	Ft	98	120 ⁰⁰	11,760 ⁰⁰
13	Boardwalk Substructure, Joists Only	Ft	130	90 ⁰⁰	11,700 ⁰⁰
14	Additional Bolts for Boardwalk Substructure	Each	50	12 ⁰⁰	600 ⁰⁰
15	Helical Pile - 15 Feet Deep	Each	24	800 ⁰⁰	19,200 ⁰⁰
16	Helical Pile, Additional 5 Foot Section for Depth over 15 Feet	Each	5	200 ⁰⁰	1,000 ⁰⁰
17	Helical Pile, Battered	Each	5	800 ⁰⁰	4,000 ⁰⁰
18	Helical Pile Equipment, Furnished	LS	1	5,000 ⁰⁰	5,000 ⁰⁰
19	Aggregate Base, 21AA Limestone, 6 inch	Syd	10	30 ⁰⁰	300 ⁰⁰
20	Obstruction Removal, Unexpected	Dlrs	500	\$1.00	\$500.00
21	Sidewalk, Conc, 4 inch	Sft	140	15 ⁰⁰	2,100 ⁰⁰
22	Sidewalk Grading	Ft	16	5 ⁰⁰	80 ⁰⁰
23	Rip Rap, Plain, Mod	Syd	8	400 ⁰⁰	3,200 ⁰⁰
24	Surface Restoration	LS	1	5,000 ⁰⁰	5,000 ⁰⁰
25	Pre-Construction Audio Visual	LS	1	3,500 ⁰⁰	3,500 ⁰⁰
26	Crew Days	Day	43	\$700.00	30,100 ⁰⁰
TOTALBASE BID:				\$	407,738 ⁰⁰

LJ CONSTRUCTION, INC.
5863 S. KINGSTON RD.
CLIFFORD, MI 48727

ALTERNATE 1 BID

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
27	Mobilization (Max. 10%) Alt 1	LS	1	15,000 ⁰⁰	15,000 ⁰⁰
28	Maintaining Traffic Alt 1	LS	1	7,500 ⁰⁰	7,500 ⁰⁰
29	Boardwalk, Rem, Partial (Decking and Railing)	Ft	424	34 ⁰⁰	14,416 ⁰⁰
30	Boardwalk, Rem, Partial (Joists)	Ft	424	31 ⁰⁰	13,144 ⁰⁰
31	Boardwalk Decking Boards	Syd	377	85 ⁰⁰	32,045 ⁰⁰
32	Boardwalk Railing	Ft	848	53 ⁰⁰	44,944 ⁰⁰
33	Boardwalk Substructure, Joists Only	Ft	424	90 ⁰⁰	38,160 ⁰⁰
34	Surface Restoration Alt 1	LS	1	500 ⁰⁰	500 ⁰⁰
35	Pre-Construction Audio Visual Alt 1	LS	1	1,500 ⁰⁰	1,500 ⁰⁰
36	Crew Days Alt 1	Day	18	\$700.00	12,600 ⁰⁰
TOTAL ALTERNATE 1 BID:				\$	179,809 ⁰⁰

Bidders must provide unit prices for all items and a quantity for the Crew Day Item.

For items which appear in both the Base Bid and the Alternate 1 Bid, Bidders shall enter the same unit price for both, with the exception of the Lump Sum Items. In the event that different unit prices are entered for the same item, the lowest unit price will be used in determining the low bidder and the contract price for the item.

The City's intent is to award to the lowest responsible bidder. Funding for the project is limited and the City may elect to award a contract based upon the Base Bid alone or upon the Base Bid plus the Alternate 1 Bid. The City also reserves the right to eliminate one or more of the locations included in the Base Bid if needed to match the available budget.

If the foregoing Bid shall be accepted by the OWNER, the undersigned agrees to enter into the attached form of Agreement within ten (10) days after receiving notice of such acceptance, will furnish the OWNER satisfactory bonds and certificates of insurance coverage, and will complete the Project, at the price and within the time stated in this Bid.

The undersigned further agrees that if the foregoing Bid shall be accepted, work will commence immediately after the Contract has been awarded, the Agreement executed, and a Notice to Proceed received.

**LJ CONSTRUCTION, INC.
5863 S. KINGSTON RD.
CLIFFORD, MI 48727**

2018 Boardwalk Repair Program

Contractor shall complete the locations outlined in the Scope of Work and open the boardwalks to pedestrian traffic by **April 15, 2019**. This date applies to both the Base Bid and Bid Alternate 1 work.

Final Completion, including final cleanup work and surface restoration shall be no later than **May 3, 2019**.

The undersigned attaches hereto its Bid security, as required by the Advertisement for Bids and Instructions to Bidders. The undersigned agrees that in case it shall fail to fulfill its obligations under the foregoing Bid, and/or shall fail to furnish bonds, as specified, the OWNER may, at its option determine that the undersigned has abandoned its rights and interests in such Contract and that its Bid security accompanying its Bid; has been forfeited to the said OWNER, but otherwise the Bid security shall be returned to the undersigned upon the execution of the Contract and the acceptance of the bonds.

The undersigned also agrees that for each and every calendar day that he may be in default of any of the completion dates listed above, the OWNER will suffer a damage of One Thousand Five Hundred Dollars (\$900.00) per day, and said OWNER shall be compensated therefore at the rate as liquidated damages in accordance with the Agreement.

In submitting this Bid, it is understood that the right is reserved by the OWNER to accept any bid, to reject any or all Bids, and to waive irregularities in bidding in the interest of the OWNER.

SUBMITTED on October 11, 2018
Date*

5863 S Kingston Rd.
Street*

Clifford, MI 48727
City, State, ZIP*

989-761-0131
Telephone Number*

989-761-8132
Facsimile Number*

BY: L.J. Construction Inc
Name of Bidder*

[Signature]
Signature

John Jochem Vice President
Name and Title of Signatory*

*Typed or printed in ink.

**LJ CONSTRUCTION, INC.
5863 S. KINGSTON RD.
CLIFFORD, MI 48727**