

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION**Resolution Approving the Selection of Kokosing Construction Company, Inc. for
Project No. 43-21-02 for the Total Amount of \$4,821,160.90**

WHEREAS, on March 9, 2020, Governor Mike DeWine issued Executive Order 2020-01D declaring a State of Emergency for the entire State of Ohio in response to the COVID-19 pandemic; and

WHEREAS, on March 22, 2020, Amy Acton, MD, MPH, former Director of Health, issued a “Stay at Home Order” which expired on May 1, 2020, requiring individuals to stay home unless engaged in Essential Activities, Essential Governmental Functions or to operate Essential Businesses and Operations; and

WHEREAS, under the Stay at Home Order, the Ohio Turnpike and Infrastructure Commission (“Commission”) continued operations as Essential Infrastructure and Essential Governmental Functions and further determined that its contractors and service providers must continue to perform services and supply goods and materials to the Commission as Essential Infrastructure, Critical Trades, Supplies for Essential Business and Operators and/or Essential Critical Infrastructure Workers; and

WHEREAS, on April 30, 2020, former Director Acton issued the “Director’s Stay Safe Ohio Order,” which was in effect through May 29, 2020 and subsequently revised by “Updated and Revised Order for Business Guidance and Social Distancing,” dated May 29, 2020, and extended by current Interim Director of Health, Lance D. Himes, until rescinded or modified by Interim Director Himes or the State of Emergency declared by the Governor no longer exists, which permits governmental entities and other businesses to continue operations subject to Sector Specific COVID-19 Information and Checklist for Businesses/Employees requiring measures such as, ensuring 6 feet between employees, daily symptom assessments of employees, wearing face coverings, regular handwashing, disinfecting work stations and common areas, changing shift patterns, working from home when possible, among others; and

WHEREAS, the Chief Engineer has issued a memorandum to the Commission’s contractors regarding required work site measures that comply with the Updated and Revised Order for Business Guidance and Social Distancing and this memorandum is available on the Commission’s website at <https://www.ohioturnpike.org/business/doing-business-with-us/construction-projects>; and

WHEREAS, the Chief Engineer recommends that the Commission finds and determines that the contract approved pursuant to this Resolution is necessary for the Commission to continue its operations and complies with the Updated and Revised Order for Business Guidance and Social Distancing and that the work to be performed under the contract shall comply with the Sector Specific COVID-19 Information and Checklist for Businesses/Employees set forth in the Updated and Revised Order for Business Guidance and Social Distancing and the Commission’s work site memorandum, as may be amended from time to time, unless or until such order is lifted entirely; and

WHEREAS, the Commission published notice in accordance with law advertising its invitation to bid upon a contract for bridge deck rehabilitation at Fangboner Road over the Ohio Turnpike at Milepost 91.1 and the Ohio Turnpike Ramp over the Ohio Turnpike at Milepost 91.6, and the bridge removal at the Ohio Turnpike Ramp over the Ohio Turnpike at S.R. 53 at Milepost 92.0, in Sandusky County, Ohio, designated as Project No. 43-21-02 (hereinafter “the Project”); and

WHEREAS, the Commission received two bids to perform the Contractor’s obligations on the Project and the report of the Commission’s Chief Engineer and Deputy Chief Engineer/Director of Field Operations concerning the review and analysis of the bids is before the Commission; and

WHEREAS, the Chief Engineer and Deputy Chief Engineer/Director of Field Operations report that Kokosing Construction Company, Inc. (“Kokosing”), of Westerville, Ohio, submitted

the apparent low bid on the Project in the total bid amount of \$4,821,160.90, which they recommend the Commission accept and approve authorization for the Executive Director to award; and

WHEREAS, the Staff Attorney has determined that bids for the Project were solicited on the basis of the same terms and conditions and the same specifications, that selecting the bid of Kokosing conforms to the requirements of Ohio Revised Code Sections 153.54, 5537.07 and 9.312, and Kokosing submitted a performance bond with good and sufficient surety; and

WHEREAS, the Office of Equity and Inclusion Manager has found that Kokosing has made a good faith effort to attain the participation of small or otherwise disadvantaged businesses on the Project and has made a commitment of 10% which meets the SBE participation goal of 10% for the Project; and

WHEREAS, Commission action is necessary to approve the Contract in accordance with Article V, Section 1.00 of the Commission's Bylaws because the amount of the bids received will require expenditures under the Project that will exceed \$150,000.00; and

WHEREAS, the Chief Engineer and Deputy Chief Engineer/Director of Field Operations recommend the Commission select Kokosing as the lowest responsive and responsible bidder for the Project; and

WHEREAS, the Commission's Executive Director concurs with the recommendation of the Chief Engineer and Deputy Chief Engineer/Director of Field Operations that the Commission approve the award of the Project to Kokosing as the lowest responsive and responsible bidder; and

WHEREAS, the Commission has duly considered such recommendations.

NOW, THEREFORE, BE IT

RESOLVED by the Ohio Turnpike and Infrastructure Commission that the bid of Kokosing Construction Company for Project No. 43-21-02 in the amount of \$4,821,160.90 is approved as the lowest responsive and responsible bid received and the Executive Director is authorized to execute a contract based on said bid; and

FURTHER RESOLVED that the Commission finds and determines that the contract approved pursuant to this Resolution is necessary for the Commission to continue its operations and complies with the Updated and Revised Order for Business Guidance and Social Distancing and that the work to be performed under the contract shall comply with the Sector Specific COVID-19 Information and Checklist for Businesses/Employees set forth in the Updated and Revised Order for Business Guidance and Social Distancing and the Commission's work site memorandum, as may be amended from time to time, unless or until such order is lifted entirely; and

FURTHER RESOLVED that the Executive Director has the authority under Article V, Section 1.00 of the Code of Bylaws to approve such extra work or change orders under said Contract that does not exceed ten percent of the approved contract amount or the Executive Director's contracting authority and which is a result of an increase in the planned quantities, newly mandated requirements that did not exist at the time of original contract award, or circumstances that would create a life, safety, or health threatening situation or would unduly delay the completion of the Project or increase its costs.

(Resolution No. ____-2021 adopted March 15, 2021)

Inter-Office Communication



Ohio
Turnpike
and
Infrastructure
Commission

TO: Marty Seekely, CFO/Comptroller
Tony Yacobucci, P.E., Chief Engineer
Diana Anthony, Office of Equity and Inclusion Manager

CC: Chris Matta, P.E., Deputy Chief Engineer/Director of Field Operations
Chuck Cvitkovich, P.E., Bridge & Structures Engineer
Denise Criscuolo, Engineering Administrative Assistant
Vicky Kullik, Procurement Coordinator
Stacey Verespe, Contracts Administration Clerk
Carol Zanin, Administrative Assistant to CFO/Comptroller

FROM: Aimee W. Lane, Esq., Staff Attorney

DATE: February 23, 2021

**SUBJECT: Project No. 43-21-02
Bridge Deck Rehabilitation and Bridge Removal
Fangboner Road over Ohio Turnpike M.P. 91.1,
Ohio Turnpike Ramp over Ohio Turnpike M.P. 91.6,
Ohio Turnpike Ramp over S.R. 53 M.P. 92.0
Sandusky County, Ohio**

Two (2) bids were timely received on February 19, 2021 in response to the Commission's Invitation to Bid for the referenced project from:

- | | |
|--|----------------|
| 1. Kokosing Construction Company, Inc. | \$4,821,160.90 |
| 2. Miller Brothers Construction, Inc. | \$5,252,074.68 |

The Engineer's estimate for this project was \$5,400,000.00. The bids submitted via BidExpress have been saved in this folder: \\oticfs-01\Common\\$\$PROJECTS\43 Bridge Repairs & Resurfacing\43-21-02 (NCI)\06 Final Bidding Documents\9. BIDS RECEIVED - 43-21-02 FEBRUARY 19, 2021 @2pm.

Enclosed, please find the low bidder's Experience Questionnaire and Financial Statement for review by Marty Seekely, CFO/Comptroller. Also enclosed, please find the low bidder's SBE forms for review by Diana Anthony, Office of Equity and Inclusion Manager.

The following highlights the low bidder's response to the Bid submittal requirements:

1. The low Bidder's Bid Guaranty/Contract Bond is acceptable.
2. The low Bidder submitted the Bidder's affidavit.
3. The low Bidder provided its BWC policy number.
4. The low Bidder committed to meet the SBE participation goal of 10% by making a commitment of 10.01% This figure is subject to review by Ms. Anthony.
5. The low Bidder provided the Project Employment Data Sheet.

Please provide me with a summary of your review and recommended course of action. If you have any questions, please let me know. Thank you.



Inter-Office Communication

March 1, 2021

Ohio
Turnpike
and
Infrastructure
Commission

TO: Aimee W. Lane, Esq., Staff Attorney - Contracts

FROM: Anthony D. Yacobucci, P.E., Chief Engineer

DOCUMENT: Contract Award Recommendation
Project No. 43-21-02
Bridge Deck Rehabilitation and Bridge Removal
Fangboner Road Over Ohio Turnpike M.P. 91.1,
Ohio Turnpike Ramp Over Ohio Turnpike M.P. 91.6,
Ohio Turnpike Ramp Over S.R. 53 M.P. 92.0
Sandusky County, Ohio

REQUESTED ACTION: I concur with the attached memo and recommend a Resolution be prepared for the March 2021 Commission Meeting and, upon Commission approval, a contract be prepared for Project No. 43-21-02 for Kokosing Construction Company, Inc. of Westerville, Ohio.

DocuSigned by:

Anthony D. Yacobucci

E226EFF928F5490...

Anthony D. Yacobucci, P.E.
Chief Engineer

Attachment

CC: Executive Director
General Counsel
Procurement Manager
CFO/Comptroller
Deputy Chief Engineer
Bridge and Structures Engineer
Admin. Assistant - CE



Inter-Office Communication

Ohio
Turnpike
and
Infrastructure
Commission

March 1, 2021

TO: Anthony D. Yacobucci, P.E., Chief Engineer

FROM: Charles A. Cvitkovich, P.E., Bridge and Structures Engineer
Christopher A. Matta, P.E., Deputy Chief Engineer/Director of Field Operations

SUBJECT: Contract No. 43-21-02
Bridge Deck Rehabilitation and Bridge Removal
Fangboner Road over Ohio Turnpike M.P. 91.1,
Ohio Turnpike Ramp over Ohio Turnpike M.P. 91.6,
Ohio Turnpike Ramp over State Route 53 M.P. 92.0
Sandusky County, Ohio

On February 19, 2021, bids were received for the above-mentioned Project from two (2) Contractors: Kokosing Construction Company and Miller Brothers Construction. The bid tabulations have been reviewed and are forwarded herewith.

OTIC Engineering Staff, along with the design consultant, Fishbeck, have reviewed and evaluated the bid tabulations and compared them to the Engineer's Estimate of Probable Construction Cost and finds no errors or anomalies. The bid submitted by Kokosing Construction Company in the amount of \$4,821,160.90 is about eleven (11) percent below the Engineer's Estimate of \$5,400,000 and appears to be a responsive bid.

Kokosing Construction Company has previously satisfactorily completed similar work for the Commission.

Based on the above information, it is our recommendation the Contract for Project 43-21-02 be awarded to Kokosing Construction Company of Westerville, Ohio in the amount of \$4,821,160.90.

Charles A. Cvitkovich, P.E.
Bridge and Structures Engineer

Christopher A. Matta, P.E.
Deputy Chief Engineer/Director of Field Operations

Attachment

J:\\$PROJECTS\43 Bridge Repairs & Resurfacing\43-21-02 (NCI)\50 Contracts\50.02 Bid Prices - Contract Award - Notice to Bid - Engineer's Estimate\43-21-02 Award Recommendation to CE.docx



3220 Central Park West
Toledo, Ohio 43617

419.841.4704 | fishbeck.com

February 26, 2021
Project No. 18112-0025

Chuck Cvitkovich, PE
Bridge and Structures Engineer
Ohio Turnpike and Infrastructure Commission
682 Prospect St
Berea, OH 44017

Bid Tab Review; OTIC Project No. 43-21-02
Fangboner Road over Ohio Turnpike M.P. 91.1
Ohio Turnpike Ramp over Ohio Turnpike M.P. 91.6
Ohio Turnpike Ramp over State Route 53 M.P. 92.0

Dear Chuck:

Fishbeck has completed its review of bids received for the referenced bridge project in Sandusky County, Ohio. Bids were opened for the project virtually on February 19, 2021. A total of two bids were submitted. Kokosing Construction Company, Inc. submitted the lowest bid of \$4,821,160.90. The other bid from Miller Brothers Construction, Inc. was for the amount of \$5,252,074.68.

Our review included an examination of unit prices and total bid amounts. There were no concerns identified after studying the total bid amounts or unit prices bid. Both bids were below the Engineer's Estimate of \$5,400,000 and ranged from 10% to 3% below the estimate. The tight grouping of bids indicates the project can reasonably be expected to be completed by the low bidder for the amount bid. Individual unit prices of the low bidder were compared to the other bidder and all unit prices seemed reasonable. The primary difference between the two bids can be attributed to the lump sums bid for Reference Numbers 1, 2, 5, and 133. The differences in these lump sums can be attributed to final strategy adjustments to win the project. Beyond these four lump sum items, the unit prices for the measurable pay items were similar between bidders and were in line with historical data. Therefore, payments based on field measurements should accurately reflect the efforts required to actually complete the work.

Based upon the abovementioned review, Fishbeck recommends the Turnpike award the contract to Kokosing Construction Company, Inc. having submitted the lowest responsible total bid.

If you have any questions or require additional information, please contact me at 419.360.0863 or jdummond@fishbeck.com.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Drummond", written in a cursive style.

Jonathan Drummond, PE
Senior Project Manager

By email

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Engineer's Estimate		Kokosing		Miller Brothers		Analysis											
					Price	Extended Amount	Unit Price	Total Amount Bid	Unit Price	Total Amount Bid	Avg Unit Cost	Low Bid Unit Cost Diff. from Avg	Low Bid Unit Cost Diff. from 2nd Low	Percent Diff. from 2nd Low	Low Bid Unit Cost Diff. from EE	Minimum Unit Cost	Maximum Unit Cost	Extended Cost Diff from 2nd Low	Extended Cost Diff from Avg Bid	Extended Cost Diff from Min Bid	Extended Cost Diff from Max Bid	Extended Cost Diff from EE
GENERAL (Ref. Nos. 1 - 5)																						
1	IB.ART.6	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND	1	LUMP	\$ 25,000.00	\$ 25,000.00	\$ 21,250.00	\$ 21,250.00	\$ 52,500.00	\$ 52,500.00	\$ 36,875.00	\$ (15,625.00)	\$ (31,250.00)	-60%	\$ (3,750.00)	\$ 21,250.00	\$ 52,500.00	\$ (31,250.00)	\$ (15,625.00)	\$ -	\$ (31,250.00)	\$ (3,750.00)
2	SP 614	MAINTAINING TRAFFIC	1	LUMP	\$ 350,000.00	\$ 350,000.00	\$ 424,000.00	\$ 424,000.00	\$ 590,000.00	\$ 590,000.00	\$ 507,000.00	\$ (83,000.00)	\$ (166,000.00)	-28%	\$ 74,000.00	\$ 424,000.00	\$ 590,000.00	\$ (166,000.00)	\$ (83,000.00)	\$ -	\$ (166,000.00)	\$ 74,000.00
3	SP 619	FIELD OFFICE	1	LUMP	\$ 25,000.00	\$ 25,000.00	\$ 44,000.00	\$ 44,000.00	\$ 55,000.00	\$ 55,000.00	\$ 49,500.00	\$ (5,500.00)	\$ (11,000.00)	-20%	\$ 19,000.00	\$ 44,000.00	\$ 55,000.00	\$ (11,000.00)	\$ (5,500.00)	\$ -	\$ (11,000.00)	\$ 19,000.00
4	SP 623	CONSTRUCTION LAYOUT SURVEY	1	LUMP	\$ 25,000.00	\$ 25,000.00	\$ 44,000.00	\$ 44,000.00	\$ 50,000.00	\$ 50,000.00	\$ 47,000.00	\$ (3,000.00)	\$ (6,000.00)	-12%	\$ 19,000.00	\$ 44,000.00	\$ 50,000.00	\$ (6,000.00)	\$ (3,000.00)	\$ -	\$ (6,000.00)	\$ 19,000.00
5	624	MOBILIZATION	1	LUMP	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 200,000.00	\$ 200,000.00	\$ 150,000.00	\$ (50,000.00)	\$ (100,000.00)	-50%	\$ -	\$ 100,000.00	\$ 200,000.00	\$ (100,000.00)	\$ (50,000.00)	\$ -	\$ (100,000.00)	\$ -
TOTAL - GENERAL						\$ 525,000.00		\$ 633,250.00		\$ 947,500.00												

ROADWAY (Ref. Nos. 6 - 23)																						
6	201	CLEARING AND GRUBBING	1	LUMP	\$ 7,500.00	\$ 7,500.00	\$ 16,443.00	\$ 16,443.00	\$ 50,000.00	\$ 50,000.00	\$ 33,221.50	\$ (16,778.50)	\$ (33,557.00)	-67%	\$ 8,943.00	\$ 16,443.00	\$ 50,000.00	\$ (33,557.00)	\$ (16,778.50)	\$ -	\$ (33,557.00)	\$ 8,943.00
7	202	HEADWALL REMOVED	16	EACH	\$ 750.00	\$ 12,000.00	\$ 200.00	\$ 3,200.00	\$ 300.00	\$ 4,800.00	\$ 250.00	\$ (50.00)	\$ (100.00)	-33%	\$ (550.00)	\$ 200.00	\$ 300.00	\$ (1,600.00)	\$ (80.00)	\$ 3,000.00	\$ 2,900.00	\$ (8,800.00)
8	202	PAVEMENT REMOVED, AS PER PLAN	26,474	SY	\$ 8.00	\$ 211,792.00	\$ 7.00	\$ 185,318.00	\$ 9.00	\$ 238,266.00	\$ 8.00	\$ (1.00)	\$ (2.00)	-22%	\$ (1.00)	\$ 7.00	\$ 9.00	\$ (52,948.00)	\$ 185,310.00	\$ 185,311.00	\$ 185,309.00	\$ (26,474.00)
9	202	CONCRETE MEDIAN REMOVED	346	SY	\$ 12.00	\$ 4,152.00	\$ 12.00	\$ 4,152.00	\$ 20.00	\$ 6,920.00	\$ 16.00	\$ (4.00)	\$ (8.00)	-40%	\$ -	\$ 12.00	\$ 20.00	\$ (2,768.00)	\$ 4,136.00	\$ 4,140.00	\$ 4,132.00	\$ -
10	202	CURB REMOVED	492	FT	\$ 10.00	\$ 4,920.00	\$ 3.50	\$ 1,728.00	\$ 1.50	\$ 738.00	\$ 2.50	\$ 1.00	\$ 2.00	133%	\$ (6.50)	\$ 1.50	\$ 3.50	\$ 984.00	\$ 1,719.50	\$ 1,720.50	\$ 1,718.50	\$ (3,198.00)
11	202	PIPE REMOVED	826	FT	\$ 12.00	\$ 9,912.00	\$ 16.00	\$ 13,216.00	\$ 17.50	\$ 14,455.00	\$ 16.75	\$ (0.75)	\$ (1.50)	-9%	\$ 4.00	\$ 16.00	\$ 17.50	\$ (1,239.00)	\$ 13,199.25	\$ 13,200.00	\$ 13,198.50	\$ 3,304.00
12	202	GUARDRAIL REMOVED	2,142	FT	\$ 2.00	\$ 4,284.00	\$ 2.00	\$ 4,284.00	\$ 2.00	\$ 4,284.00	\$ 2.00	\$ -	\$ -	0%	\$ -	\$ 2.00	\$ 2.00	\$ -	\$ 4,282.00	\$ 4,282.00	\$ 4,282.00	\$ -
13	202	ANCHOR ASSEMBLY REMOVED	8	EACH	\$ 250.00	\$ 2,000.00	\$ 132.00	\$ 1,056.00	\$ 200.00	\$ 1,600.00	\$ 166.00	\$ (34.00)	\$ (68.00)	-34%	\$ (118.00)	\$ 132.00	\$ 200.00	\$ (544.00)	\$ 890.00	\$ 924.00	\$ 856.00	\$ (944.00)
14	202	BRIDGE TERMINAL ASSEMBLY REMOVED	8	EACH	\$ 350.00	\$ 2,800.00	\$ 55.00	\$ 440.00	\$ 200.00	\$ 1,600.00	\$ 127.50	\$ (72.50)	\$ (145.00)	-73%	\$ (295.00)	\$ 55.00	\$ 200.00	\$ (1,160.00)	\$ 312.50	\$ 385.00	\$ 240.00	\$ (2,360.00)
15	202	CATCH BASIN OR INLET REMOVED	7	EACH	\$ 450.00	\$ 3,150.00	\$ 300.00	\$ 2,100.00	\$ 250.00	\$ 1,750.00	\$ 275.00	\$ 25.00	\$ 50.00	20%	\$ (150.00)	\$ 250.00	\$ 300.00	\$ 350.00	\$ 1,825.00	\$ 1,850.00	\$ 1,800.00	\$ (1,050.00)
16	203	EXCAVATION	6,825	CY	\$ 12.00	\$ 81,900.00	\$ 10.50	\$ 71,662.50	\$ 15.00	\$ 102,375.00	\$ 12.75	\$ (2.25)	\$ (4.50)	-30%	\$ (1.50)	\$ 10.50	\$ 15.00	\$ (30,712.50)	\$ 71,649.75	\$ 71,652.00	\$ 71,647.50	\$ (10,237.50)
17	203	EMBANKMENT	6,003	CY	\$ 15.00	\$ 90,045.00	\$ 15.00	\$ 90,045.00	\$ 15.00	\$ 90,045.00	\$ 15.00	\$ -	\$ -	0%	\$ -	\$ 15.00	\$ 15.00	\$ -	\$ 90,030.00	\$ 90,030.00	\$ 90,030.00	\$ -
18	204	SUBGRADE COMPACTION	12,558	SY	\$ 4.00	\$ 50,232.00	\$ 1.50	\$ 18,837.00	\$ 1.25	\$ 15,697.50	\$ 1.25	\$ 0.25	\$ 0.50	50%	\$ (2.50)	\$ 1.00	\$ 1.50	\$ 6,279.00	\$ 18,835.75	\$ 18,836.00	\$ 18,835.50	\$ (31,395.00)
19	204	EXCAVATION OF SUBGRADE	4,000	CY	\$ 12.00	\$ 48,000.00	\$ 10.50	\$ 42,000.00	\$ 19.00	\$ 76,000.00	\$ 14.75	\$ (4.25)	\$ (8.50)	-45%	\$ (1.50)	\$ 10.50	\$ 19.00	\$ (34,000.00)	\$ 41,985.25	\$ 41,989.50	\$ 41,981.00	\$ (6,000.00)
20	204	GRANULAR MATERIAL, TYPE B	4,000	CY	\$ 36.00	\$ 144,000.00	\$ 35.00	\$ 140,000.00	\$ 56.00	\$ 224,000.00	\$ 45.50	\$ (10.50)	\$ (21.00)	-38%	\$ (1.00)	\$ 35.00	\$ 56.00	\$ (84,000.00)	\$ 139,954.50	\$ 139,965.00	\$ 139,944.00	\$ (4,000.00)
21	204	PROOF ROLLING	7	HR	\$ 250.00	\$ 1,750.00	\$ 225.00	\$ 1,575.00	\$ 85.00	\$ 595.00	\$ 155.00	\$ 70.00	\$ 140.00	165%	\$ (25.00)	\$ 85.00	\$ 225.00	\$ 980.00	\$ 1,420.00	\$ 1,490.00	\$ 1,350.00	\$ (175.00)
22	606	GUARDRAIL, TYPE MGS WITH LONG POSTS	200	FT	\$ 20.00	\$ 4,000.00	\$ 23.60	\$ 4,720.00	\$ 17.25	\$ 3,450.00	\$ 20.43	\$ 3.18	\$ 6.35	37%	\$ 3.60	\$ 17.25	\$ 23.60	\$ 1,270.00	\$ 4,699.58	\$ 4,702.75	\$ 4,696.40	\$ 720.00
23	606	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	8	EACH	\$ 2,500.00	\$ 20,000.00	\$ 2,320.00	\$ 18,560.00	\$ 2,130.00	\$ 17,040.00	\$ 2,225.00	\$ 95.00	\$ 190.00	9%	\$ (180.00)	\$ 2,130.00	\$ 2,320.00	\$ 1,520.00	\$ 16,335.00	\$ 16,430.00	\$ 16,240.00	\$ (1,440.00)
TOTAL - ROADWAY						\$ 702,437.00		\$ 619,330.50		\$ 850,476.00												

EROSION CONTROL (Ref. Nos. 24 - 35)																						
24	601	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	2	CY	\$ 200.00	\$ 400.00	\$ 320.00	\$ 640.00	\$ 350.00	\$ 700.00	\$ 335.00	\$ (15.00)	\$ (30.00)	-9%	\$ 120.00	\$ 320.00	\$ 350.00	\$ (60.00)	\$ 305.00	\$ 320.00	\$ 290.00	\$ 240.00
25	601	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	17	SY	\$ 100.00	\$ 1,700.00	\$ 125.00	\$ 2,125.00	\$ 135.00	\$ 2,295.00	\$ 130.00	\$ (5.00)	\$ (10.00)	-7%	\$ 25.00	\$ 125.00	\$ 135.00	\$ (170.00)	\$ 1,995.00	\$ 2,000.00	\$ 1,990.00	\$ 425.00
26	659	SOIL ANALYSIS TEST	2	EACH	\$ 125.00	\$ 250.00	\$ 60.00	\$ 120.00	\$ 100.00	\$ 200.00	\$ 80.00	\$ (20.00)	\$ (40.00)	-40%	\$ (65.00)	\$ 60.00	\$ 100.00	\$ (80.00)	\$ 40.00	\$ 60.00	\$ 20.00	\$ (130.00)
27	659	TOPSOIL	5,499	CY	\$ 36.00	\$ 197,964.00	\$ 11.40	\$ 62,688.00	\$ 16.80	\$ 92,382.00	\$ 11.40	\$ (5.40)	\$ (10.80)	-64%	\$ (30.00)	\$ 6.00	\$ 16.80	\$ (59,389.20)	\$ 32,982.60	\$ 32,988.00	\$ 32,977.20	\$ (164,970.00)
28	659	SEEDING AND MULCHING	48,819	SY	\$ 2.00	\$ 97,638.00	\$ 0.60	\$ 29,291.40	\$ 0.69	\$ 33,685.11	\$ 0.65	\$ (0.05)	\$ (0.09)	-13%	\$ (1.40)	\$ 0.60	\$ 0.69	\$ (4,393.71)	\$ 29,290.76	\$ 29,290.80	\$ 29,290.71	\$ (68,346.60)
29	659	REPAIR SEEDING AND MULCHING	2,441	SY	\$ 3.00	\$ 7,323.00	\$ 0.60	\$ 1,464.60	\$ 1.00	\$ 2,441.00	\$ 0.80	\$ (0.20)	\$ (0.40)	-40%	\$ (2.40)	\$ 0.60	\$ 1.00	\$ (976.40)	\$ 1,463.80	\$ 1,464.00	\$ 1,463.60	\$ (5,858.40)
30	659	INTER-SEEDING	2,441	SY	\$ 3.00	\$ 7,323.00	\$ 0.40	\$ 976.40	\$ 0.21	\$ 512.61	\$ 0.21	\$ 0.20	\$ 0.39	3900%	\$ (2.60)	\$ 0.01	\$ 0.40	\$ 951.99	\$ 976.20	\$ 976.39	\$ 976.00	\$ (6,346.60)
31	659	COMMERCIAL FERTILIZER	7	TON	\$ 800.00	\$ 5,600.00	\$ 580.00	\$ 4,060.00	\$ 600.00	\$ 4,200.00	\$ 590.00	\$ (10.00)	\$ (20.00)	-3%	\$ (220.00)	\$ 580.00	\$ 600.00	\$ (131.80)	\$ 3,232.20	\$ 3,242.20	\$ 3,222.20	\$ (1,449.80)
32	659	LIME	10	ACRE	\$ 350.00	\$ 3,500.00	\$ 30.00	\$ 302.70	\$ 0.01	\$ 0.10	\$ 15.01	\$ 15.00	\$ 29.99	299900%	\$ (320.00)	\$ 0.01	\$ 30.00	\$ 302.60	\$ 287.70	\$ 302.69	\$ 272.70	\$ (3,228.80)
33	659	WATER	271	MGAL	\$ 5.00	\$ 1,355.00	\$ 1.00	\$ 271.00	\$ 0.01	\$ 2.71	\$ 0.51	\$ 0.50	\$ 0.99	9900%	\$ (4.00)	\$ 0.01	\$ 1.00	\$ 268.29	\$ 270.99	\$ 270.00	\$ 270.00	\$ (1,084.00)
34	832	STORM WATER POLLUTION PREVENTION PLAN	1	UMP SUR	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 1,500.00	\$ 1,500.00	\$ 4,500.00	\$ 3,000.00	\$ 6,000.00	400%	\$ -	\$ 1,500.00	\$ 7,500.00	\$ 6,000.00	\$ 3,000.00	\$ 6,000.00	\$ -	\$ -
35	832	EROSION CONTROL	75,000	EACH	\$ 1.00	\$ 75,000.00	\$ 1.00	\$ 75,000.00	\$ 1.00	\$ 75,000.00	\$ 1.00	\$ -	\$ -	0%	\$ -	\$ 1.00	\$ 1.00	\$ -	\$ 74,999.00	\$ 74,999.00	\$ 74,999.00	\$ -
TOTAL - EROSION CONTROL						\$ 405,256.50		\$ 154,507.30		\$ 212,185.53												

DRAINAGE (Ref. Nos. 36 - 49)																						
36	602	STRUCTURAL STEEL MISC., PENCIL ABRASIVE BLASTING, GRINDING AND NDT, AS PER PLAN	1.60	CY	\$ 2,000.00	\$ 3,200.00	\$ 2,200.00	\$ 3,520.00	\$ 1,950.00	\$ 3,120.00	\$ 2,075.00	\$ 125.00	\$ 250.00	13%	\$ 200.00	\$ 1,950.00	\$ 2,200.00	\$ 400.00	\$ 1,445.00	\$ 1,570.00	\$ 1,320.00	\$ 320.00
37	605	6" UNCLASSIFIED UNDERDRAINS	100	FOOT	\$ 15.00	\$ 1,500.00	\$ 14.00	\$ 1,400.00	\$ 15.50	\$ 1,550.00	\$ 14.75	\$ (0.75)	\$ (1.50)	-10%	\$ (1.00)	\$ 14.00	\$ 15.50	\$ (150.00)	\$ 1,385.25	\$ 1,386.00	\$ 1,384.50	\$ (100.00)
38	605	6" BASE PIPE UNDERDRAINS	4,052	FT	\$ 12.00	\$ 48,624.00	\$ 8.50	\$ 34,442.00	\$ 9.50	\$ 38,494.00	\$ 9.00	\$ (0.50)	\$ (1.00)	-11%	\$ (3.50)	\$ 8.50	\$ 9.50	\$ (4,052.00)	\$ 34,433.00	\$ 34,433.50	\$ 34,432.50	\$ (14,182.00)
39	611	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	248	FT	\$ 24.00	\$ 5,952.00	\$ 27.00	\$														

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Engineer's Estimate		Kokosing		Miller Brothers		Analysis											
					Price	Extended Amount	Unit Price	Total Amount Bid	Unit Price	Total Amount Bid	Avg Unit Cost	Low Bid Unit Cost Diff. from Avg	Low Bid Unit Cost Diff. from 2nd Low	Percent Diff. from 2nd Low	Low Bid Unit Cost Diff. from EE	Minimum Unit Cost	Maximum Unit Cost	Extended Cost Diff from 2nd Low	Extended Cost Diff from Avg Bid	Extended Cost Diff from Min Bid	Extended Cost Diff from Max Bid	Extended Cost Diff from EE
LIGHTING (Ref. Nos. 72 - 91)																						
72	625	CONNECTION, FUSED PULL APART	16	EACH	\$ 100.00	\$ 1,600.00	\$ 95.00	\$ 1,520.00	\$ 95.00	\$ 1,520.00	\$ 95.00	\$ -	\$ -	0%	\$ (5.00)	\$ 95.00	\$ 95.00	\$ -	\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ (80.00)
73	625	CONNECTION, UNFUSED PULL APART	2	EACH	\$ 100.00	\$ 200.00	\$ 95.00	\$ 190.00	\$ 95.00	\$ 190.00	\$ 95.00	\$ -	\$ -	0%	\$ (5.00)	\$ 95.00	\$ 95.00	\$ -	\$ 95.00	\$ 95.00	\$ 95.00	\$ (10.00)
74	625	LIGHT TOWER FOUNDATION, 42" X 30" DEEP	1	EACH	\$ 13,000.00	\$ 13,000.00	\$ 13,250.00	\$ 13,250.00	\$ 13,250.00	\$ 13,250.00	\$ 13,250.00	\$ -	\$ -	0%	\$ 250.00	\$ 13,250.00	\$ 13,250.00	\$ -	\$ -	\$ -	\$ -	\$ 250.00
75	625	1-1/2" DUCT CABLE WITH THREE NO. 6 AWG 2400 VOLT CABLES	1,000	FT	\$ 5.00	\$ 5,000.00	\$ 7.00	\$ 7,000.00	\$ 7.00	\$ 7,000.00	\$ 7.00	\$ -	\$ -	0%	\$ 2.00	\$ 7.00	\$ 7.00	\$ -	\$ 6,993.00	\$ 6,993.00	\$ 6,993.00	\$ 2,000.00
76	625	CONDUIT, 4", 725.04	171	FT	\$ 36.00	\$ 6,156.00	\$ 31.00	\$ 5,301.00	\$ 31.00	\$ 5,301.00	\$ 31.00	\$ -	\$ -	0%	\$ (5.00)	\$ 31.00	\$ 31.00	\$ -	\$ 5,270.00	\$ 5,270.00	\$ 5,270.00	\$ (85.00)
77	625	LUMINAIRE, INSTALLATION ONLY, AS PER PLAN	10	EACH	\$ 250.00	\$ 2,500.00	\$ 188.00	\$ 1,880.00	\$ 188.00	\$ 1,880.00	\$ 188.00	\$ -	\$ -	0%	\$ (62.00)	\$ 188.00	\$ 188.00	\$ -	\$ 1,692.00	\$ 1,692.00	\$ 1,692.00	\$ (620.00)
78	625	TRENCH, 24" DEEP	950	FT	\$ 12.00	\$ 11,400.00	\$ 12.00	\$ 11,400.00	\$ 12.00	\$ 11,400.00	\$ 12.00	\$ -	\$ -	0%	\$ -	\$ 12.00	\$ 12.00	\$ -	\$ 11,388.00	\$ 11,388.00	\$ 11,388.00	\$ -
79	625	PULL BOX, 725.08, 18"	4	EACH	\$ 850.00	\$ 3,400.00	\$ 900.00	\$ 3,600.00	\$ 900.00	\$ 3,600.00	\$ 900.00	\$ -	\$ -	0%	\$ 50.00	\$ 900.00	\$ 900.00	\$ -	\$ 2,700.00	\$ 2,700.00	\$ 2,700.00	\$ 200.00
80	625	GROUND ROD	2	EACH	\$ 250.00	\$ 500.00	\$ 150.00	\$ 300.00	\$ 150.00	\$ 300.00	\$ 150.00	\$ -	\$ -	0%	\$ (100.00)	\$ 150.00	\$ 150.00	\$ -	\$ 150.00	\$ 150.00	\$ 150.00	\$ (200.00)
81	625	RE-ERECT EXISTING LIGHT TOWER, AS PER PLAN	1	EACH	\$ 3,500.00	\$ 3,500.00	\$ 5,700.00	\$ 5,700.00	\$ 5,700.00	\$ 5,700.00	\$ 5,700.00	\$ -	\$ -	0%	\$ 2,200.00	\$ 5,700.00	\$ 5,700.00	\$ -	\$ -	\$ -	\$ -	\$ 2,200.00
82	625	PLASTIC CAUTION TAPE	950	FT	\$ 1.00	\$ 950.00	\$ 0.35	\$ 332.50	\$ 0.35	\$ 332.50	\$ 0.35	\$ -	\$ -	0%	\$ (0.65)	\$ 0.35	\$ 0.35	\$ -	\$ 332.15	\$ 332.15	\$ 332.15	\$ (617.50)
83	SPECIAL	MAINTAIN EXISTING LIGHTING	1	UMP SUR	\$ 10,000.00	\$ 10,000.00	\$ 8,450.00	\$ 8,450.00	\$ 8,450.00	\$ 8,450.00	\$ 8,450.00	\$ -	\$ -	0%	\$ (1,550.00)	\$ 8,450.00	\$ 8,450.00	\$ -	\$ -	\$ -	\$ -	\$ (1,550.00)
84	SPECIAL	REPLACEMENT OF EXISTING LIGHTING UNIT	2	EACH	\$ 5,000.00	\$ 10,000.00	\$ 100.00	\$ 200.00	\$ 100.00	\$ 200.00	\$ 100.00	\$ -	\$ -	0%	\$ (4,900.00)	\$ 100.00	\$ 100.00	\$ -	\$ 100.00	\$ 100.00	\$ 100.00	\$ (9,800.00)
85	625	LIGHT TOWER REMOVED	1	EACH	\$ 2,500.00	\$ 2,500.00	\$ 3,050.00	\$ 3,050.00	\$ 3,050.00	\$ 3,050.00	\$ 3,050.00	\$ -	\$ -	0%	\$ 550.00	\$ 3,050.00	\$ 3,050.00	\$ -	\$ -	\$ -	\$ -	\$ 550.00
86	625	LIGHT TOWER REMOVED FOR STORAGE	1	EACH	\$ 400.00	\$ 400.00	\$ 3,100.00	\$ 3,100.00	\$ 3,100.00	\$ 3,100.00	\$ 3,100.00	\$ -	\$ -	0%	\$ 2,700.00	\$ 3,100.00	\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ 2,700.00
87	625	LUMINAIRE REMOVED	10	EACH	\$ 150.00	\$ 1,500.00	\$ 70.00	\$ 700.00	\$ 70.00	\$ 700.00	\$ 70.00	\$ -	\$ -	0%	\$ (80.00)	\$ 70.00	\$ 70.00	\$ -	\$ 630.00	\$ 630.00	\$ 630.00	\$ (800.00)
88	625	LUMINAIRE REMOVED FOR REUSE	10	EACH	\$ 125.00	\$ 1,250.00	\$ 70.00	\$ 700.00	\$ 70.00	\$ 700.00	\$ 70.00	\$ -	\$ -	0%	\$ (55.00)	\$ 70.00	\$ 70.00	\$ -	\$ 630.00	\$ 630.00	\$ 630.00	\$ (550.00)
89	625	LIGHT TOWER FOUNDATION REMOVED	2	EACH	\$ 700.00	\$ 1,400.00	\$ 300.00	\$ 600.00	\$ 300.00	\$ 600.00	\$ 300.00	\$ -	\$ -	0%	\$ (400.00)	\$ 300.00	\$ 300.00	\$ -	\$ 300.00	\$ 300.00	\$ 300.00	\$ (800.00)
90	625	DISTRIBUTION CABLE REMOVED	1,389	FT	\$ 2.00	\$ 2,778.00	\$ 0.50	\$ 694.50	\$ 0.50	\$ 694.50	\$ 0.50	\$ -	\$ -	0%	\$ (1.50)	\$ 0.50	\$ 0.50	\$ -	\$ 694.00	\$ 694.00	\$ 694.00	\$ (2,083.50)
91	625	DISCONNECT CIRCUIT	1	EACH	\$ 250.00	\$ 250.00	\$ 282.00	\$ 282.00	\$ 282.00	\$ 282.00	\$ 282.00	\$ -	\$ -	0%	\$ 32.00	\$ 282.00	\$ 282.00	\$ -	\$ -	\$ -	\$ -	\$ 32.00
TOTAL - LIGHTING						\$ 78,284.00		\$ 68,250.00		\$ 68,250.00												

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Engineer's Estimate		Kokosing		Miller Brothers		Analysis											
					Price	Extended Amount	Unit Price	Total Amount Bid	Unit Price	Total Amount Bid	Avg Unit Cost	Low Bid Unit Cost Diff. from Avg	Low Bid Unit Cost Diff. from 2nd Low	Percent Diff. from 2nd Low	Low Bid Unit Cost Diff. from EE	Minimum Unit Cost	Maximum Unit Cost	Extended Cost Diff from 2nd Low	Extended Cost Diff from Avg Bid	Extended Cost Diff from Min Bid	Extended Cost Diff from Max Bid	Extended Cost Diff from EE
TRAFFIC CONTROL (Ref. Nos. 92 - 124)																						
92	621	RPM	129	EACH	\$ 150.00	\$ 19,350.00	\$ 48.50	\$ 6,256.50	\$ 48.50	\$ 6,256.50	\$ 48.50	\$ -	\$ -	0%	\$ (101.50)	\$ 48.50	\$ 48.50	\$ -	\$ 6,208.00	\$ 6,208.00	\$ 6,208.00	\$ (13,093.50)
93	621	RAISED PAVEMENT MARKER REMOVED	90	EACH	\$ 20.00	\$ 1,800.00	\$ 20.00	\$ 1,800.00	\$ 8.00	\$ 720.00	\$ 14.00	\$ 6.00	\$ 12.00	150%	\$ -	\$ 8.00	\$ 20.00	\$ 1,080.00	\$ 1,786.00	\$ 1,792.00	\$ 1,780.00	\$ -
94	630	GROUND MOUNTED SUPPORT, NO. 2 POST	52	FT	\$ 15.00	\$ 783.00	\$ 10.00	\$ 522.00	\$ 10.00	\$ 522.00	\$ 10.00	\$ -	\$ -	0%	\$ (5.00)	\$ 10.00	\$ 10.00	\$ -	\$ 512.00	\$ 512.00	\$ 512.00	\$ (261.00)
95	630	GROUND MOUNTED SUPPORT, NO. 3 POST	168	FT	\$ 16.00	\$ 2,692.80	\$ 11.00	\$ 1,851.30	\$ 11.00	\$ 1,851.30	\$ 11.00	\$ -	\$ -	0%	\$ (5.00)	\$ 11.00	\$ 11.00	\$ -	\$ 1,840.30	\$ 1,840.30	\$ 1,840.30	\$ (841.50)
96	630	GROUND MOUNTED SUPPORT, NO. 4 POST, TYPE S	89	FT	\$ 18.00	\$ 1,603.80	\$ 15.00	\$ 1,336.50	\$ 15.00	\$ 1,336.50	\$ 15.00	\$ -	\$ -	0%	\$ (3.00)	\$ 15.00	\$ 15.00	\$ -	\$ 1,321.50	\$ 1,321.50	\$ 1,321.50	\$ (267.30)
97	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7	99	FT	\$ 20.00	\$ 1,977.20	\$ 19.00	\$ 1,877.20	\$ 19.00	\$ 1,877.20	\$ 19.00	\$ -	\$ -	0%	\$ (1.00)	\$ 19.00	\$ 19.00	\$ -	\$ 1,858.20	\$ 1,858.20	\$ 1,858.20	\$ (98.80)
98	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9	47	FT	\$ 22.00	\$ 1,040.60	\$ 21.00	\$ 993.30	\$ 21.00	\$ 993.30	\$ 21.00	\$ -	\$ -	0%	\$ (1.00)	\$ 21.00	\$ 21.00	\$ -	\$ 972.30	\$ 972.30	\$ 972.30	\$ (47.30)
99	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	42	FT	\$ 36.00	\$ 1,515.60	\$ 25.00	\$ 1,052.50	\$ 25.00	\$ 1,052.50	\$ 25.00	\$ -	\$ -	0%	\$ (11.00)	\$ 25.00	\$ 25.00	\$ -	\$ 1,027.50	\$ 1,027.50	\$ 1,027.50	\$ (463.10)
100	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	50	FT	\$ 50.00	\$ 2,505.00	\$ 35.00	\$ 1,753.50	\$ 35.00	\$ 1,753.50	\$ 35.00	\$ -	\$ -	0%	\$ (15.00)	\$ 35.00	\$ 35.00	\$ -	\$ 1,718.50	\$ 1,718.50	\$ 1,718.50	\$ (751.50)
101	630	SIGN POST REFLECTOR	22	EACH	\$ 45.00	\$ 990.00	\$ 45.00	\$ 990.00	\$ 45.00	\$ 990.00	\$ 45.00	\$ -	\$ -	0%	\$ -	\$ 45.00	\$ 45.00	\$ -	\$ 945.00	\$ 945.00	\$ 945.00	\$ -
102	630	BREAKAWAY STRUCTURAL BEAM CONNECTION	12	EACH	\$ 400.00	\$ 4,800.00	\$ 345.00	\$ 4,140.00	\$ 345.00	\$ 4,140.00	\$ 345.00	\$ -	\$ -	0%	\$ (55.00)	\$ 345.00	\$ 345.00	\$ -	\$ 3,795.00	\$ 3,795.00	\$ 3,795.00	\$ (660.00)
103	630	OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 12	1	EACH	\$ 12,500.00	\$ 12,500.00	\$ 12,840.00	\$ 12,840.00	\$ 12,840.00	\$ 12,840.00	\$ 12,840.00	\$ -	\$ -	0%	\$ 340.00	\$ 12,840.00	\$ 12,840.00	\$ -	\$ -	\$ -	\$ -	\$ 340.00
104	630	OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 13	1	EACH	\$ 14,000.00	\$ 14,000.00	\$ 17,125.00	\$ 17,125.00	\$ 17,125.00	\$ 17,125.00	\$ 17,125.00	\$ -	\$ -	0%	\$ 3,125.00	\$ 17,125.00	\$ 17,125.00	\$ -	\$ -	\$ -	\$ -	\$ 3,125.00
105	630	SIGN, FLAT SHEET	198	SF	\$ 22.00	\$ 4,345.00	\$ 13.00	\$ 2,567.50	\$ 13.00	\$ 2,567.50	\$ 13.00	\$ -	\$ -	0%	\$ (9.00)	\$ 13.00	\$ 13.00	\$ -	\$ 2,554.50	\$ 2,554.50	\$ 2,554.50	\$ (1,777.50)
106	630	SIGN, GROUND MOUNTED EXTRUSHEET	225	SF	\$ 22.00	\$ 4,950.00	\$ 18.00	\$ 4,050.00	\$ 18.00	\$ 4,050.00	\$ 18.00	\$ -	\$ -	0%	\$ (4.00)	\$ 18.00	\$ 18.00	\$ -	\$ 4,032.00	\$ 4,032.00	\$ 4,032.00	\$ (900.00)
107	630	SIGN, OVERHEAD EXTRUSHEET	98	SF	\$ 22.00	\$ 2,156.00	\$ 19.40	\$ 1,901.20	\$ 19.40	\$ 1,901.20	\$ 19.40	\$ -	\$ -	0%	\$ (2.60)	\$ 19.40	\$ 19.40	\$ -	\$ 1,881.80	\$ 1,881.80	\$ 1,881.80	\$ (254.80)
108	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	12	EACH	\$ 950.00	\$ 11,400.00	\$ 720.00	\$ 8,640.00	\$ 720.00	\$ 8,640.00	\$ 720.00	\$ -	\$ -	0%	\$ (230.00)	\$ 720.00	\$ 720.00	\$ -	\$ 7,920.00	\$ 7,920.00	\$ 7,920.00	\$ (2,760.00)
109	630	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	2	EACH	\$ 5,000.00	\$ 10,000.00	\$ 5,140.00	\$ 10,280.00	\$ 5,140.00	\$ 10,280.00	\$ 5,140.00	\$ -	\$ -	0%	\$ 140.00	\$ 5,140.00	\$ 5,140.00	\$ -	\$ 5,140.00	\$ 5,140.00	\$ 5,140.00	\$ 280.00
110	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	34	EACH	\$ 22.00	\$ 748.00	\$ 10.00	\$ 340.00	\$ 10.00	\$ 340.00	\$ 10.00	\$ -	\$ -	0%	\$ (12.00)	\$ 10.00	\$ 10.00	\$ -	\$ 330.00	\$ 330.00	\$ 330.00	\$ (408.00)
111	630	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	8	EACH	\$ -	\$ -	\$ 85.00	\$ 680.00	\$ 85.00	\$ 680.00	\$ 85.00	\$ -	\$ -	0%	\$ 85.00	\$ 85.00	\$ 85.00	\$ -	\$ 595.00	\$ 595.00	\$ 595.00	\$ 680.00
112	630	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	6	EACH	\$ 200.00	\$ 1,200.00	\$ 95.00	\$ 570.00	\$ 95.00	\$ 570.00	\$ 95.00	\$ -	\$ -	0%	\$ (105.00)	\$ 95.00	\$ 95.00	\$ -	\$ 475.00	\$ 475.00	\$ 475.00	\$ (630.00)
113	630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	36	EACH	\$ 24.00	\$ 864.00	\$ 15.00	\$ 540.00	\$ 15.00	\$ 540.00	\$ 15.00	\$ -	\$ -	0%	\$ (9.00)	\$ 15.00	\$ 15.00	\$ -	\$ 525.00	\$ 525.00	\$ 525.00	\$ (324.00)
114	630	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	16	EACH	\$ 250.00	\$ 4,000.00	\$ 225.00	\$ 3,600.00	\$ 225.0													

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Engineer's Estimate		Kokosing		Miller Brothers		Analysis											
					Unit Price	Extended Amount	Unit Price	Total Amount Bid	Unit Price	Total Amount Bid	Avg Unit Cost	Low Bid Unit Cost	Low Bid Unit Cost	Percent Diff. from 2nd Low	Low Bid Unit Cost	Minimum Unit Cost	Maximum Unit Cost	Extended Cost	Extended Cost	Extended Cost	Extended Cost	Extended Cost
150	SP 536	CONCRETE WEATHERPROOFING, SUBSTRUCTURE	692	SY	\$ 12.00	\$ 8,304.00	\$ 10.00	\$ 6,920.00	\$ 6.00	\$ 4,152.00	\$ 8.00	\$ 2.00	\$ 4.00	67%	\$ (2.00)	\$ 6.00	\$ 10.00	\$ 2,768.00	\$ 6,912.00	\$ 6,914.00	\$ 6,910.00	\$ (1,384.00)
151	607	TYPE II FENCE, ALL ALUMINUM (6'-0" CHAIN LINK WITH SPECIALS)	424	FOOT	\$ 200.00	\$ 84,800.00	\$ 142.00	\$ 60,208.00	\$ 124.00	\$ 52,576.00	\$ 133.00	\$ 9.00	\$ 18.00	15%	\$ (58.00)	\$ 124.00	\$ 142.00	\$ 7,632.00	\$ 60,075.00	\$ 60,084.00	\$ 60,066.00	\$ (24,592.00)
TOTAL - STRUCTURES						\$ 2,036,744.40		\$ 1,871,624.20		\$ 1,945,464.20												
MAINTENANCE OF TRAFFIC (Ref. Nos. 152 - 156)																						
152	614	REPLACEMENT SIGN	20	EACH	\$ 200.00	\$ 4,000.00	\$ 180.00	\$ 3,600.00	\$ 256.00	\$ 5,120.00	\$ 218.00	\$ (38.00)	\$ (76.00)	-30%	\$ (20.00)	\$ 180.00	\$ 256.00	\$ (1,520.00)	\$ 3,382.00	\$ 3,420.00	\$ 3,344.00	\$ (400.00)
153	614	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	40	CY	\$ 200.00	\$ 8,000.00	\$ 100.00	\$ 4,000.00	\$ 200.00	\$ 8,000.00	\$ 150.00	\$ (50.00)	\$ (100.00)	-50%	\$ (100.00)	\$ 100.00	\$ 200.00	\$ (4,000.00)	\$ 3,850.00	\$ 3,900.00	\$ 3,800.00	\$ (4,000.00)
154	616	WATER	97	MGAL	\$ 5.00	\$ 485.00	\$ 95.00	\$ 9,215.00	\$ 50.00	\$ 4,850.00	\$ 72.50	\$ 22.50	\$ 45.00	90%	\$ 90.00	\$ 50.00	\$ 95.00	\$ 4,365.00	\$ 9,142.50	\$ 9,165.00	\$ 9,120.00	\$ 8,730.00
155	630	SIGNING, MISC.: LOW CLEARANCE SIGNS	15	SF	\$ 100.00	\$ 1,500.00	\$ 32.00	\$ 480.00	\$ 20.00	\$ 300.00	\$ 26.00	\$ 6.00	\$ 12.00	60%	\$ (68.00)	\$ 20.00	\$ 32.00	\$ 180.00	\$ 454.00	\$ 460.00	\$ 448.00	\$ (1,020.00)
156	630	SIGNING, MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY THE ENGINEER	72	SF	\$ 14.00	\$ 1,008.00	\$ 20.00	\$ 1,440.00	\$ 24.00	\$ 1,728.00	\$ 22.00	\$ (2.00)	\$ (4.00)	-17%	\$ 6.00	\$ 20.00	\$ 24.00	\$ (288.00)	\$ 1,418.00	\$ 1,420.00	\$ 1,416.00	\$ 432.00
TOTAL - MAINTENANCE OF TRAFFIC						\$ 14,993.00		\$ 18,735.00		\$ 19,998.00												
TOTAL BID AMOUNT						\$ 5,399,337.70		\$ 4,821,160.90		\$ 5,252,074.68												

SQ FOOT
18342
\$ 262.85 COST PER SQUARE FOOT

5400000 = indicates lowest bidder on that item
89%

= indicates lower value

General Info

Number: PROJECT NO. 43-21-02

Description: BRIDGE DECK REHABILITATION AND BRIDGE REMOVAL
FANGBONER ROAD OVER OHIO TURNPIKE M.P. 91.1,
OHIO TURNPIKE RAMP OVER OHIO TURNPIKE M.P. 91.6,
OHIO TURNPIKE RAMP OVER S.R. 53 M.P. 92.0
SANDUSKY COUNTY, OHIO

Deadline: FEBRUARY 19, 2021 AT 2:00 P.M. (EASTERN TIME)

(Estimated Cost: \$5,400,000.00)

Bids

Business	Bid Total
Kokosing Construction Company, Inc.	\$4,821,160.90
Miller Bros. Const., Inc.	\$5,252,074.68

KOKOSING CONSTRUCTION COMPANY**GENERAL (Ref. Nos. 1 - 5)**

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
1	IB.ART.6	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND	1.00	LUMP SUM	\$21,250.00	\$21,250.00
2	SP 614	MAINTAINING TRAFFIC	1.00	LUMP SUM	\$424,000.00	\$424,000.00
3	SP 619	FIELD OFFICE	1.00	LUMP SUM	\$44,000.00	\$44,000.00
4	SP 623	CONSTRUCTION LAYOUT SURVEY	1.00	LUMP SUM	\$44,000.00	\$44,000.00
5	624	MOBILIZATION	1.00	LUMP SUM	\$100,000.00	\$100,000.00
Total:						\$633,250.00

ROADWAY (Ref. Nos. 6 - 23)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
6	201	CLEARING AND GRUBBING	1.00	LUMP SUM	\$16,443.00	\$16,443.00
7	202	HEADWALL REMOVED	16.00	EACH	\$200.00	\$3,200.00
8	202	PAVEMENT REMOVED, AS PER PLAN	26,474.00	SY	\$7.00	\$185,318.00
9	202	CONCRETE MEDIAN REMOVED	346.00	SY	\$12.00	\$4,152.00
10	202	CURB REMOVED	492.00	FT	\$3.50	\$1,722.00
11	202	PIPE REMOVED	826.00	FT	\$16.00	\$13,216.00
12	202	GUARDRAIL REMOVED	2,142.00	FT	\$2.00	\$4,284.00
13	202	ANCHOR ASSEMBLY REMOVED	8.00	EACH	\$132.00	\$1,056.00
14	202	BRIDGE TERMINAL ASSEMBLY REMOVED	8.00	EACH	\$55.00	\$440.00
15	202	CATCH BASIN OR INLET REMOVED	7.00	EACH	\$300.00	\$2,100.00
16	203	EXCAVATION	6,825.00	CY	\$10.50	\$71,662.50
17	203	EMBANKMENT	6,003.00	CY	\$15.00	\$90,045.00
18	204	SUBGRADE COMPACTION	12,558.00	SY	\$1.50	\$18,837.00
19	204	EXCAVATION OF SUBGRADE	4,000.00	CY	\$10.50	\$42,000.00
20	204	GRANULAR MATERIAL, TYPE B	4,000.00	CY	\$35.00	\$140,000.00

21	204	PROOF ROLLING	7.00	HOUR	\$225.00	\$1,575.00
22	606	GUARDRAIL, TYPE MGS WITH LONG POSTS	200.00	FT	\$23.60	\$4,720.00
23	606	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	8.00	EACH	\$2,320.00	\$18,560.00
Total:						\$619,330.50

EROSION CONTROL (Ref. Nos. 24 - 35)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
24	601	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	2.00	CY	\$320.00	\$640.00
25	601	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	17.00	SY	\$125.00	\$2,125.00
26	659	SOIL ANALYSIS TEST	2.00	EACH	\$60.00	\$120.00
27	659	TOPSOIL	5,499.00	CY	\$6.00	\$32,994.00
28	659	SEEDING AND MULCHING	48,819.00	SY	\$0.60	\$29,291.40
29	659	REPAIR SEEDING AND MULCHING	2,441.00	SY	\$0.60	\$1,464.60
30	659	INTER-SEEDING	2,441.00	SY	\$0.40	\$976.40
31	659	COMMERCIAL FERTILIZER	6.59	TON	\$580.00	\$3,822.20
32	659	LIME	10.09	ACRE	\$30.00	\$302.70
33	659	WATER	271.00	MGAL	\$1.00	\$271.00
34	832	STORM WATER POLLUTION PREVENTION PLAN	1.00	LUMP SUM	\$7,500.00	\$7,500.00
35	832	EROSION CONTROL	75,000.00	EACH	\$1.00	\$75,000.00
Total:						\$154,507.30

DRAINAGE (Ref. Nos. 36 - 49)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
36	602	CONCRETE MASONRY	1.60	CY	\$2,200.00	\$3,520.00
37	605	6" UNCLASSIFIED UNDERDRAINS	100.00	FT	\$14.00	\$1,400.00

38	605	6" BASE PIPE UNDERDRAINS	4,052.00	FT	\$8.50	\$34,442.00
39	611	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	248.00	FT	\$27.00	\$6,696.00
40	611	6" CONDUIT, TYPE B	323.00	FT	\$21.00	\$6,783.00
41	611	12" CONDUIT, TYPE B	45.00	FT	\$97.00	\$4,365.00
42	611	21" CONDUIT, TYPE A	324.00	FT	\$150.00	\$48,600.00
43	611	24" CONDUIT, TYPE B	102.00	FT	\$205.00	\$20,910.00
44	611	27" CONDUIT, TYPE C	405.00	FT	\$135.00	\$54,675.00
45	611	CATCH BASIN, NO. 2-3	1.00	EACH	\$2,850.00	\$2,850.00
46	611	CATCH BASIN RECONSTRUCTED TO GRADE, LESS THAN 4"	4.00	EACH	\$1,500.00	\$6,000.00
47	611	INLET, NO. 2-6	1.00	EACH	\$4,400.00	\$4,400.00
48	611	MANHOLE, NO. 3	2.00	EACH	\$6,000.00	\$12,000.00
49	611	PRECAST REINFORCED CONCRETE OUTLET	9.00	EACH	\$325.00	\$2,925.00
Total:						\$209,566.00

PAVEMENT (Ref. Nos. 50 - 71)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
50	252	FULL DEPTH PAVEMENT SAWING	731.00	FT	\$1.70	\$1,242.70
51	254	PAVEMENT PLANING, ASPHALT CONCRETE, T=3"	608.00	SY	\$28.00	\$17,024.00
52	302	ASPHALT CONCRETE BASE, PG64-22	2,155.00	CY	\$143.00	\$308,165.00
53	304	AGGREGATE BASE	2,297.00	CY	\$59.00	\$135,523.00
54	407	TACK COAT	1,609.00	GAL	\$2.00	\$3,218.00
55	407	NON-TRACKING TACK COAT	128.00	GAL	\$2.00	\$256.00
56	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	36.00	CY	\$542.00	\$19,512.00
57	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	36.00	CY	\$511.00	\$18,396.00
58	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (DRIVEWAYS)	15.00	CY	\$360.00	\$5,400.00
59	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) (DRIVEWAYS)	20.00	CY	\$288.00	\$5,760.00

60	442	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	400.00	CY	\$262.00	\$104,800.00
61	442	ASPHALT CONCRETE INTERMEDIATE COURSE, 19.0 MM, TYPE A (446)	467.00	CY	\$212.00	\$99,004.00
62	452	7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	22.00	SY	\$120.00	\$2,640.00
63	452	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	2,239.00	SY	\$94.00	\$210,466.00
64	452	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	21.00	SY	\$133.00	\$2,793.00
65	609	ASPHALT CONCRETE CURB, TYPE 1	152.00	FT	\$26.00	\$3,952.00
66	609	COMBINATION CURB AND GUTTER, TYPE 2	1,986.00	FT	\$31.00	\$61,566.00
67	609	COMBINATION CURB AND GUTTER, TYPE 3	300.00	FT	\$39.00	\$11,700.00
68	609	CURB, TYPE 3-B	397.00	FT	\$31.00	\$12,307.00
69	609	CURB, TYPE 4-C	79.00	FT	\$37.00	\$2,923.00
70	609	CURB, TYPE 6	3,514.00	FT	\$21.00	\$73,794.00
71	609	CURB MISC.: COMBINATION CURB AND GUTTER TURNOUT	16.00	EACH	\$800.00	\$12,800.00
157	254	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, T=3"	220.00	SY	\$28.00	\$6,160.00

Total: \$1,119,401.70

LIGHTING (Ref. Nos. 72 - 91)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
72	625	CONNECTION, FUSED PULL APART	16.00	EACH	\$95.00	\$1,520.00
73	625	CONNECTION, UNFUSED PULL APART	2.00	EACH	\$95.00	\$190.00
74	625	LIGHT TOWER FOUNDATION, 42" X 30' DEEP	1.00	EACH	\$13,250.00	\$13,250.00
75	625	1-1/2" DUCT CABLE WITH THREE NO. 6 AWG 2400 VOLT CABLES	1,000.00	FT	\$7.00	\$7,000.00
76	625	CONDUIT, 4", 725.04	171.00	FT	\$31.00	\$5,301.00
77	625	LUMINAIRE, INSTALLATION ONLY, AS PER PLAN	10.00	EACH	\$188.00	\$1,880.00

78	625	TRENCH, 24" DEEP	950.00	FT	\$12.00	\$11,400.00
79	625	PULL BOX, 725.08, 18"	4.00	EACH	\$900.00	\$3,600.00
80	625	GROUND ROD	2.00	EACH	\$150.00	\$300.00
81	625	RE-ERECT EXISTING LIGHT TOWER, AS PER PLAN	1.00	EACH	\$5,700.00	\$5,700.00
82	625	PLASTIC CAUTION TAPE	950.00	FT	\$0.35	\$332.50
83		SPECIAL MAINTAIN EXISTING LIGHTING	1.00	LUMP SUM	\$8,450.00	\$8,450.00
84		SPECIAL REPLACEMENT OF EXISTING LIGHTING UNIT	2.00	EACH	\$100.00	\$200.00
85	625	LIGHT TOWER REMOVED	1.00	EACH	\$3,050.00	\$3,050.00
86	625	LIGHT TOWER REMOVED FOR STORAGE	1.00	EACH	\$3,100.00	\$3,100.00
87	625	LUMINAIRE REMOVED	10.00	EACH	\$70.00	\$700.00
88	625	LUMINAIRE REMOVED FOR REUSE	10.00	EACH	\$70.00	\$700.00
89	625	LIGHT TOWER FOUNDATION REMOVED	2.00	EACH	\$300.00	\$600.00
90	625	DISTRIBUTION CABLE REMOVED	1,389.00	FT	\$0.50	\$694.50
91	625	DISCONNECT CIRCUIT	1.00	EACH	\$282.00	\$282.00
Total:						\$68,250.00

TRAFFIC CONTROL (Ref. Nos. 92 - 124)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
92	621	RPM	129.00	EACH	\$48.50	\$6,256.50
93	621	RAISED PAVEMENT MARKER REMOVED	90.00	EACH	\$20.00	\$1,800.00
94	630	GROUND MOUNTED SUPPORT, NO. 2 POST	52.20	FT	\$10.00	\$522.00
95	630	GROUND MOUNTED SUPPORT, NO. 3 POST	168.30	FT	\$11.00	\$1,851.30
96	630	GROUND MOUNTED SUPPORT, NO. 4 POST, TYPE S	89.10	FT	\$15.00	\$1,336.50
97	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7	98.80	FT	\$19.00	\$1,877.20
98	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9	47.30	FT	\$21.00	\$993.30
99	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	42.10	FT	\$25.00	\$1,052.50

100	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	50.10	FT	\$35.00	\$1,753.50
101	630	SIGN POST REFLECTOR	22.00	EACH	\$45.00	\$990.00
102	630	BREAKAWAY STRUCTURAL BEAM CONNECTION	12.00	EACH	\$345.00	\$4,140.00
103	630	OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 12	1.00	EACH	\$12,840.00	\$12,840.00
104	630	OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 13	1.00	EACH	\$17,125.00	\$17,125.00
105	630	SIGN, FLAT SHEET	197.50	SF	\$13.00	\$2,567.50
106	630	SIGN, GROUND MOUNTED EXTRUSHEET	225.00	SF	\$18.00	\$4,050.00
107	630	SIGN, OVERHEAD EXTRUSHEET	98.00	SF	\$19.40	\$1,901.20
108	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	12.00	EACH	\$720.00	\$8,640.00
109	630	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	2.00	EACH	\$5,140.00	\$10,280.00
110	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	34.00	EACH	\$10.00	\$340.00
111	630	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	8.00	EACH	\$85.00	\$680.00
112	630	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	6.00	EACH	\$95.00	\$570.00
113	630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	36.00	EACH	\$15.00	\$540.00
114	630	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	16.00	EACH	\$225.00	\$3,600.00
115	642	EDGE LINE, 4", TYPE 1	0.44	MILE	\$3,000.00	\$1,320.00
116	642	CENTER LINE, TYPE 1	0.06	MILE	\$10,000.00	\$600.00
117	644	EDGE LINE, 4"	1.58	MILE	\$3,500.00	\$5,530.00
118	644	LANE LINE, 4"	0.12	MILE	\$10,000.00	\$1,200.00
119	644	CENTER LINE	0.34	MILE	\$6,500.00	\$2,210.00
120	644	CHANNELIZING LINE, 8"	1,297.00	FT	\$2.00	\$2,594.00
121	644	TRANSVERSE/DIAGONAL LINE	210.00	FT	\$6.00	\$1,260.00
122	644	LANE ARROW	14.00	EACH	\$90.00	\$1,260.00
123	644	DOTTED LINE, 4"	588.00	FT	\$2.00	\$1,176.00
124	644	YIELD LINE	60.00	FT	\$6.00	\$360.00

Total: \$103,216.50

LANDSCAPING (Ref. Nos. 125 - 132)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
125	625	CONDUIT, 2", 725.051	150.00	FT	\$9.00	\$1,350.00
126	661	MULCH	24.00	CY	\$90.00	\$2,160.00
127	661	PERENNIAL, 2 GALLON, SCHIZACHYRIUM SCOPARIUM	16.00	EACH	\$25.50	\$408.00
128	661	PERENNIAL, 2 GALLON, SPOROBOLUS HETEROLEPIS	23.00	EACH	\$25.50	\$586.50
129	661	DECIDUOUS SHRUB, 5' HEIGHT, VIBURNUM PRUNIFOLIUM	3.00	EACH	\$180.00	\$540.00
130	661	PLANTING, MISC.: WASHED STONE, 2" TO 3"	628.00	SY	\$18.00	\$11,304.00
131	661	PLANTING MISC.: LANDSCAPE FABRIC	628.00	SY	\$5.40	\$3,391.20
132	662	LANDSCAPE WATERING	177.00	GAL	\$20.00	\$3,540.00

Total: \$23,279.70

STRUCTURES (Ref. Nos. 133 - 151)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
133	202	STRUCTURE REMOVED	1.00	LUMP SUM	\$65,000.00	\$65,000.00
134	SP 202	PORTIONS OF STRUCTURE REMOVED	1.00	LUMP SUM	\$325,000.00	\$325,000.00
135	SP 509	EPOXY COATED REINFORCING STEEL, GRADE 60	123,697.00	LB	\$1.60	\$197,915.20
136	509	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL	300.00	LB	\$1.80	\$540.00
137	SP 511B	CLASS HP4 CONCRETE, SUPERSTRUCTURE DECK SLAB	431.00	CY	\$1,200.00	\$517,200.00
138	SP 511B	CLASS S CONCRETE, BARRIERS AND PARAPETS, USING TYPE 1 CEMENT	146.00	CY	\$825.00	\$120,450.00
139	SP 511B	CLASS HP4 CONCRETE, ABUTMENT SLABS	45.00	CY	\$850.00	\$38,250.00

140	SP 511B	CLASS HP4 CONCRETE, FOR PREPLACEMENT TESTING	8.00	CY	\$400.00	\$3,200.00
141	513	WELDED STUD SHEAR CONNECTORS	2,020.00	EACH	\$5.25	\$10,605.00
142	SP 516B	SEALING OF CONSTRUCTION JOINTS	1,372.00	FT	\$8.00	\$10,976.00
143	SP 516J	REPLACE FIXED BEARING DEVICE	20.00	EACH	\$3,850.00	\$77,000.00
144	SP 519	PATCHING CONCRETE STRUCTURES	432.00	SF	\$95.00	\$41,040.00
145	526	REINFORCED CONCRETE APPROACH SLABS (T=12"), AS PER PLAN	110.00	SY	\$335.00	\$36,850.00
146	SP 527	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES	1.00	LUMP SUM	\$220,000.00	\$220,000.00
147	SP 533	3" CONTINUOUS STRIP SEAL IN STRUCTURAL STEEL JOINT	130.00	FT	\$470.00	\$61,100.00
148	SP 533A	1 1/2" ELASTOMETRIC COMPRESSION SEAL IN STRUCTURAL STEEL JOINT	130.00	FT	\$470.00	\$61,100.00
149	SP 536	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS, AND APPROACH SLABS	1,827.00	SY	\$10.00	\$18,270.00
150	SP 536	CONCRETE WEATHERPROOFING, SUBSTRUCTURE	692.00	SY	\$10.00	\$6,920.00
151	607	TYPE II FENCE, ALL ALUMINUM (6'-0" CHAIN LINK WITH SPECIALS)	424.00	FT	\$142.00	\$60,208.00
Total:						\$1,871,624.20

MAINTENANCE OF TRAFFIC (Ref. Nos. 152 - 156)

Ref. No.	Item No.	Description	Quantity	Units	Unit Price	Extension
152	614	REPLACEMENT SIGN	20.00	EACH	\$180.00	\$3,600.00
153	614	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	40.00	CY	\$100.00	\$4,000.00
154	616	WATER	97.00	MGAL	\$95.00	\$9,215.00
155	630	SIGNING, MISC.: LOW CLEARANCE SIGNS	15.00	SF	\$32.00	\$480.00
156	630	SIGNING, MISC.: ADDITIONAL SIGNS, GROUND MOUI	72.00	SF	\$20.00	\$1,440.00

Total: \$18,735.00

TOTAL BID AMOUNT (REF. NO. 1 THRU REF. NO. 156) ----- \$4,821,160.90

WASTE SITE 1 DEDUCT ALTERNATE >> Amount of WASTE SITE 1 DEDUCT ALTERNATE:: No

WASTE SITE 2 DEDUCT ALTERNATE >> Amount of WASTE SITE 2 DEDUCT ALTERNATE:: No



Inter-Office Communication

February 24, 2021

TO: Aimee Lane, Esq. – Staff Attorney

FROM: Marty Seekely, DED – CFO/Comptroller

SUBJECT: **Project No. 43-21-02**
Bridge Deck Rehabilitation and Bridge Removal
Fangboner Road over Ohio Turnpike M.P. 91.1,
Ohio Turnpike Ramp over Ohio Turnpike M.P. 91.6,
Ohio Turnpike Ramp over S.R. 53 M.P. 92.0
Sandusky County, Ohio

I have reviewed the financial documentation submitted to me for Kokosing Construction, Inc., of Westerville, Ohio.

The financial condition of this company is acceptable.

Martin S. Seekely

MSS/cmz



Inter-Office Communication

Ohio
Turnpike
and
Infrastructure
Commission

TO: Aimee Lane, Staff Attorney
CC: Stacey Verespe, Contracts Clerk
FROM: Diana Anthony Program Manager
Office of Equity and Inclusion
DATE: February 22, 2021
SUBJECT: Good Faith Effort Evaluation

Project No. 43-21-02 Contract Amount: \$4,821,160.90
Bridge Deck Repair and Rehabilitation and Bridge Removal
Fangboner Road Over The Ohio Turnpike M.P. 91.1
Ohio Turnpike Ramp Over The Ohio Turnpike M.P. 91.6
Ohio Turnpike Ramp Over S.R. 53 M.P. 92.0
Sandusky County, Ohio

The Office of Equity and Inclusion (OEI) received a request to evaluate Good Faith Efforts for the respondents to its Bid Invitation for the above subject.

OEI has completed its review of the "Bidders (SBE) Utilization Plan". The plans demonstrate the respondent's commitment for achieving the goal for this bid, initially set at 10% SBE participation.

Kokosing Construction Company, Inc.

10.1% SBE Commitment

Athos Contracting	Concrete Sealing	\$25,946.00
Athos Contracting	Concrete Patching	\$42,272.00
Athos Contracting	Painting Steel	\$20,540.00
Ivy Development Agency	Rebar Installation	\$147,951.00
Simplified Alternatives	Geotextiles	\$1,154.00
Rath Builders Supply	Bearings	\$14,997.00
Rath Builders Supply	Plastic Pipe	\$17,214.00
Rath Builders Supply	Vandal Fence	\$30,000.00
Key Cable & Supply	Electrical	\$4,700.00
Cuyahoga Supply & Tool	Paving Accessories	\$6,002.00
Rocky Pine Farm	Asphalt Haul	\$32,000.00
Garza Construction	Haul Materials	\$111,209.80
American Roadway Logistics	Striping	\$29,047.00
Total:		\$482,672.80

The Office of Equity and Inclusion agrees with proceeding to the next phase of the contract award, as the bidder has committed to meeting or exceeded the goal set for this project.

PLAN HOLDERS

**PROJECT NO. 43-21-02 – BRIDGE DECK REHABILITATION AND BRIDGE REMOVAL, FANGBONER ROAD OVER OHIO
TURNPIKE M.P. 91.1, OHIO TURNPIKE RAMP OVER TURNPIKE M.P. 91.6, OHIO TURNPIKE RAMP OVER S.R. 53 M.P. 92.0,
SANDUSKY COUNTY, OHIO**

DOCUMENTS REQUESTED

WWW.BIDEXPRESS.COM

OPENS: FEBRUARY 16, 2021 AT 2:00 P.M. (Eastern)

DATE	COMPANY	ADDRESS	CITY, STATE, ZIP CODE	PHONE
1/26/2021	Beaver Excavating Co.	2000 Beaver Place	Canton, Ohio 44706	330/478-2151
1/26/2021	Mosser Construction	122 South Wilson Avenue	Fremont, Ohio 43420	419/355-3248
1/26/2021	E.S. Wagner Co.	840 Patchen Road	Oregon, Ohio 43616	419/691-8651
1/26/2021	Jennifer McIntyre	743 Taylorstown Ridge Road	Avella, PA 15312	724/809-0708
1/26/2021	Miller Bros. Const., Inc.	1613 S. Defiance Street	Archbold, Ohio 43502	419/445-1015
1/26/2021	The Great Lakes Construction Co.	2608 Great Lakes way	Hinckley, Ohio 44233	330/220-3900
1/26/2021	Elite Textile Trading LLC	300 Spectrum Center Dr., Suite 400	Irvine, CA 92618	323/300-8692
1/26/2021	Kokosing Construction Co., Inc.	6235 Westerville Road	Westerville, Ohio 43081	614/228-1029
1/26/2021	The Ruhlin Company	6931 Ridge Road	Sharon Center, Ohio 44274	330/239-2800
1/26/2021	J D Williamson Construction Co.	441 Geneva Avenue	Tallmadge, Ohio 44278	330/633-1258
1/26/2021	Shane Felter Industries	P.O. Box 2022	Uniontown, PA 15401	724/439-2403
1/26/2021	Fishbeck, Thompson, Carr & Huber	1 East Campus View Blvd., Suite 310	Columbus, Ohio 43240	614/363-1010
2/01/2021	DS Brown Co.	300 East Cherry Street	North Baltimore, Ohio 45872	419/257-3561
2/01/2021	Erie Blacktop Inc.	4507 Tiffin Avenue	Sandusky, Ohio 44870	419/625-7374
2/01/2021	Custom Repairs & Excavating, LLC	412 Hettle Road	Willard, Ohio 44890	419/681-5811
2/01/2021	Suburban Maintenance & Constr.	16330 York Road	North Royalton, Ohio 44133	440/237-7765
2/01/2021	Vernon Nagel, Inc.	O154 CR 11C	Napoleon, Ohio 43545	419/592-3861
2/01/2021	Site-Safe	1740-B Harmon Avenue	Columbus, Ohio 43223	614/736-9355
2/01/2021	Shelly & Sands, Inc.	1450 North Bailey Road	North Jackson, Ohio 44451	330/253-3612
2/01/2021	R.J. Watson, Inc.	11035 Walden Avenue	Alden, NY 14004	716/901-7020
2/01/2021	DGL Consulting Engineers	3455 Briarfield Boulevard, Suite E	Maumee, Ohio 43537	419/535-1015
2/01/2021	Lake Erie Construction Co.	25 S. Norwalk Road	Norwalk, Ohio 44857	419/668-3302
2/01/2021	Watson Bowman Acme Corp.	95 Pineview Drive	Amherst, NY 14228	716/817-5462
2/01/2021	Cosmec Inc.	7a Railroad Avenue	Attleboro, MA 02703	508/455-3290
2/01/2021	Susan R. Bauer, Inc.	427 Margaret King Avenue	Ringwood, NJ 07456	973/657-1590
2/03/2021	John K. Leohner Co., Inc.	3605 Carroll-Southern Road	Carroll, Ohio 43112	740/756-7036
2/03/2021	Universal Contractors, LLC	8323 Whitewood Road	Brecksville, Ohio 44141	440/465-6889

PLAN HOLDERS

**PROJECT NO. 43-21-02 – BRIDGE DECK REHABILITATION AND BRIDGE REMOVAL, FANGBONER ROAD OVER OHIO
TURNPIKE M.P. 91.1, OHIO TURNPIKE RAMP OVER TURNPIKE M.P. 91.6, OHIO TURNPIKE RAMP OVER S.R. 53 M.P. 92.0,
SANDUSKY COUNTY, OHIO**

DOCUMENTS REQUESTED

WWW.BIDEXPRESS.COM

OPENS: FEBRUARY 16, 2021 AT 2:00 P.M. (Eastern)

2/08/2021	Steellike, Inc.	7631 Fullerton Road	Springfield, VA 22153	703/520-2763
2/08/2021	Donegal Construction Corp.	P.O. Box 450	New Stanton, PA 15672	724/423-7500
2/08/2021	North Suburban Tree Service	1102 Middl3sex Road	Gibsonia, PA 15044	724/443-6300
2/08/2021	Rocal, Inc.	3186 County Road 550	Frankfort, Ohio 45628	740/998-2122
2/08/2021	Complete General Construction	1221 East Fifth Avenue	Columbus, Ohio 43219	614/258-9515
2/08/2021	American Roadway Logistics	2661 Barber Road	North, Ohio 44203	330/659-2013
2/08/2021	Concrete Cutting & Breaking Co.	3268 E. 11 th Avenue	Columbus, Ohio 43219	614/257-1827
2/10/2021	Howard Concrete Pumping Co.	701 Millers Run Road	Cuddy, PA 15031	412/257-1800
2/10/2021	Transtar Electric, Security & Tech.	767 Warehouse Rd #C	Toledo, Ohio 43615	419/385-7573
2/10/2021	Lane Logix Traffic Control	8405 Dawnwood Avenue NE	Canton, Ohio 44721	330/685-5242
2/12/2021	Adaptive Engineering Group, LLC	260 South Main Street	Amherst, Ohio 44001	440/984-3536
2/12/2021	The C J Zak Co., Inc.	3541 Deer Creek Trail	Richfield, Ohio 44286	330/659-6691
2/12/2021	Sessler Wrecking	1257 St. Rt. 96	Waterloo, NY 13165	315/539-3353
2/12/2021	Lee Rausch	10210 Waterville Street,	Whitehouse, Ohio 43571	419/865-7195
2/12/2021	JADCO Construction Services	9901 York Theta Drive	North Royalton, Ohio 44133	440/582-8534
2/12/2021	CVM	111 E. Newberry Street	Romeo, MI 48065	586/753-3580
2/17/2021	Future Fence Company	23450 Regency Park Drive	Warren, MI 48089	586/755-0900
2/17/2021	Ebony Construction Co., Inc.	3510 Centennial Road	Sylvania, Ohio 43560	419/841-3455
2/17/2021	Battle Axe Construction	8050 Beckett Center Drive	West Chester, Ohio 45069	513/874-4695
2/17/2021	T&J Excavating and Tree Clearing	8860 Geiser Road	Holland, Ohio 43528	419/865-0308