

Ottawa County Engineer's Office

Ronald P. Lajti, Jr., P.E., P.S.
Ottawa County Engineer

8247 W. State Route 163
Oak Harbor, Ohio 43449

Phone: 419-734-6777
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From: Ottawa County Engineer's Office
Date: May 19, 2022
Subject: Rehabilitation of Bridge OTT-CR2-3.55 (ALL-2-3.55) Fostoria Road over Dry
Creek - **Addendum #1**

The following question has been submitted and an addendum has been issued to address it.

Question #1: Verification of prestressed box beam size for project.
Answer: The response provided for the previous Q&A was incorrect. The appropriate prestressed box beam size for the project is B17x48 as depicted in the plan details. The bridge estimated quantity item and proposal item have been corrected. The revised plan sheet and proposal are included with this addendum.

If you have any questions please email us at OttawaCoEng@co.ottawa.oh.us or call the office at 419 734-6777.

Sincerely,



Ronald P. Lajti, Jr, P.E., P.S.
Ottawa County Engineer

JPM

File

PROPOSAL - Addendum #1

Project: **REHABILITATION OF BRIDGE OTT-CR2-3.55 (ALL-CR2-3.55) FOSTORIA ROAD OVER DRY CREEK**

Date of letting: **May 24, 2022 10:30 a.m. Local Time**

Completion Date: **October 14, 2022**

LINE	ITEM	QTY	UNITS	DESCRIPTION	Engineer's Estimate		BID PRICE	TOTAL
					EST. COST	TOTAL		
ROADWAY								
1	201	Lump	Sum	CLEARING AND GRUBBING	\$ 500.00	\$ 500.00		
2	202	114	SY	PAVEMENT REMOVED	\$ 10.00	\$ 1,140.00		
3	202	94.5	FT	GUARDRAIL REMOVED	\$ 4.00	\$ 378.00		
4	203	25	CY	BORROW	\$ 50.00	\$ 1,250.00		
5	204	114	SY	SUBGRADE COMPACTION	\$ 2.00	\$ 228.00		
6	209	4.42	STA	LINEAR GRADING, AS PER PLAN	\$ 600.00	\$ 2,652.00		
7	606	87.5	FT	GUARDRAIL, TYPE MGS	\$ 30.00	\$ 2,625.00		
8	606	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	\$ 2,800.00	\$ 11,200.00		
9	606	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	\$ 2,900.00	\$ 11,600.00		
EROSION CONTROL								
10	659	261	SY	SEEDING AND MULCHING, CLASS 1	\$ 3.00	\$ 783.00		
11	832	1500	EACH	EROSION CONTROL	\$ 1.00	\$ 1,500.00	\$ 1.00	\$ 1,500.00
PAVEMENT								
12	301	21	CY	ASPHALT CONCRETE BASE, PG64-22	\$ 340.00	\$ 7,140.00		
13	304	30	CY	AGGREGATE BASE	\$ 90.00	\$ 2,700.00		
14	407	44	GAL	TACK COAT	\$ 2.00	\$ 88.00		
15	411	21	CY	STABILIZED CRUSHED AGGREGATE	\$ 80.00	\$ 1,680.00		
16	441	5	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	\$ 400.00	\$ 2,000.00		
17	441	6	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	\$ 370.00	\$ 2,220.00		
MAINTENANCE OF TRAFFIC								
18	614	Lump	Sum	MAINTAINING TRAFFIC	\$ 2,500.00	\$ 2,500.00		
19	614	Lump	Sum	DETOUR SIGNING	\$ 3,000.00	\$ 3,000.00		
20	626	10	EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)	\$ 10.00	\$ 100.00		
INCIDENTALS								
21	103	Lump	Sum	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	\$ 2,000.00	\$ 2,000.00		
22	623	Lump	Sum	CONSTRUCTION LAYOUT STAKES AND SURVEYING	\$ 3,000.00	\$ 3,000.00		
23	624	Lump	Sum	MOBILIZATION	\$ 7,500.00	\$ 7,500.00		
STRUCTURE OVER 20 FOOT SPAN								
24	202	Lump	Sum	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN	\$ 25,000.00	\$ 25,000.00		
25	202	105	SY	WEARING COURSE REMOVED	\$ 15.00	\$ 1,575.00		
26	441	4	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	\$ 400.00	\$ 1,600.00		
27	441	8	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	\$ 370.00	\$ 2,960.00		
28	503	Lump	Sum	UNCLASSIFIED EXCAVATION	\$ 9,500.00	\$ 9,500.00		
29	509	3073	LB	EPOXY COATED REINFORCING STEEL	\$ 2.50	\$ 7,682.50		
30	510	208	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	\$ 20.00	\$ 4,160.00		
31	511	18	CY	CLASS QC1 CONCRETE, ABUTMENT	\$ 700.00	\$ 12,600.00		
32	512	60	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	\$ 25.00	\$ 1,500.00		
33	512	124	SY	TYPE 3 WATERPROOFING	\$ 35.00	\$ 4,340.00		

PROPOSAL - Addendum #1

Project: REHABILITATION OF BRIDGE OTT-CR2-3.55 (ALL-CR2-3.55) FOSTORIA ROAD OVER DRY CREEK
 Date of letting: May 24, 2022 10:30 a.m. Local Time Completion Date: October 14, 2022

LINE	ITEM	QTY	UNITS	DESCRIPTION	Engineer's Estimate		BID PRICE	TOTAL
					EST. COST	TOTAL		
34	515	7	EACH	PRESTRESSED CONCRETE NON-COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, B17-48 (33.75' LONG)	\$ 10,000.00	\$ 70,000.00		
35	516	12	SF	1/2" PREFORMED EXPANSION JOINT FILLER	\$ 5.00	\$ 60.00		
36	516	154	SF	1" PREFORMED EXPANSION JOINT FILLER	\$ 5.00	\$ 770.00		
37	516	57	FT	SPECIAL - SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	\$ 20.00	\$ 1,140.00		
38	516	14	EACH	1/8" PREFORMED BEARING PAD	\$ 20.00	\$ 280.00		
39	516	28	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) (6"X10"X1")	\$ 125.00	\$ 3,500.00		
40	517	74.33	FT	RAILING (TWIN STEEL TUBE)	\$ 225.00	\$ 16,724.25		
41	518	57	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	\$ 75.00	\$ 4,275.00		
42	518	78	FT	SPECIAL - STEEL DRIP STRIP	\$ 15.00	\$ 1,170.00		

TOTAL	\$236,620.75	\$
LABOR	\$	\$
MATERIAL	\$	\$

The undersigned, having carefully examined the site, plans and specifications for this project, located in Ottawa County, propose to furnish all material, tools and work necessary to complete the improvement in accordance with the plans, profiles and specifications included with and made a part of this bid. Further, unit prices are being submitted in the same designation as provided in the table above.

 BIDDER/COMPANY

 SIGNATURE

 PRINTED NAME and TITLE

 ADDRESS

 CITY STATE ZIP

 CONTACT (please print)


 PHONE


 E-MAIL

NOTE: All material and workmanship to conform with the specifications of the State of Ohio, Department of Transportation in force on date of contract, and will govern this improvement.

**ODOT item 401.20 (Asphalt Binder Price Adjustment) will not be honored by this contract.

**Contract shall conform to the attached Supplemental Specifications for Asphalt Concrete Pavement.

Prepared by: 
 Ronald P. Lajti, Jr., P.E., S.O.C.S. Ottawa County Engineer



STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS
REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

DS-1-92 REVISED 7-18-03
PSBD-2-07 REVISED 7-20-18
TST-1-99 REVISED 1-15-21

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 (9TH EDITION) AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA

OPERATIONAL IMPORTANCE: A LOAD MODIFIER OF 1.0 HAS BEEN USED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN LOADING:

HL93
FUTURE WEARING SURFACE (FWS) OF 0.060 KIPS/FT²

DESIGN STRESSES

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)
REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI
STEEL H-PILES - ASTM A572 - YIELD STRENGTH 50 KSI

CONCRETE FOR PRESTRESSED BEAMS:

COMPRESSIVE STRENGTH (FINAL) - 7.0 KSI
COMPRESSIVE STRENGTH (RELEASE) - 5.0 KSI

PRESTRESSING STRAND:

AREA = 0.167 SQ. IN.
ULTIMATE STRENGTH = 270 KSI
INITIAL STRESS = 202.5 KSI (LOW RELAXATION STRANDS)

DECK PROTECTION METHOD

WATERPROOFING (TYPE 3) AND ASPHALT CONCRETE OVERLAY
STEEL DRIP STRIP

REMOVAL OF EXISTING STRUCTURE:

WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC, PORTIONS OF THE EXISTING STRUCTURE SHALL BE REMOVED AS DEPICTED IN THESE PLANS UPON APPROVAL OF THE ENGINEER.

BEARING SHIM PADS

PLACE 1/8" THICK PREFORMED BEARING PAD SHIMS, PLAN AREA 6 INCHES BY 10 INCHES, UNDER THE ELASTOMERIC BEARING PADS WHERE REQUIRED FOR PROPER BEARING. FURNISH TWO SHIMS PER BEAM. THE DEPARTMENT WILL MEASURE THIS ITEM BY THE TOTAL NUMBER SUPPLIED. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516 - 1/8" PREFORMED BEARING PADS. ANY UNUSED SHIMS WILL BECOME THE PROPERTY OF THE COUNTY.

SURVEY DISC ON STRUCTURE

THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST ONE (1) DAY IN ADVANCE OF POURING THE CONCRETE FOR COMPLETION OF THE ABUTMENTS. OTTAWA COUNTY WILL PROVIDE THE CONTRACTOR ONE (1) SURVEY DISC FOR THE STRUCTURE WHICH THE CONTRACTOR SHALL PLACE IN THE SURFACE OF THE FRESH CONCRETE. THE LOCATION OF THE DISC SHALL BE ON THE ABUTMENT AND ON A FLAT, HORIZONTAL SURFACE BEYOND THE EDGE OF THE DECK AND RAILING. THE DISC SHALL BE ACCESSIBLE TO A SURVEYOR'S ROD WITHOUT ANY OBSTRUCTIONS. COST OF THIS WORK SHALL BE INCLUDED WITH ITEM 511.

ESTIMATED QUANTITIES					CAL'D BY: JPM			DATE: 10/14/21	
					CHK'D BY: JRC			DATE: 3/4/22	
ITEM	EXT.	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SHEET #
202	11202	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN				LUMP	
202	23500	105	SY	WEARING COURSE REMOVED			105		
441	50000	4	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22			4		
441	50300	8	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)			8		
503	21300	LS		UNCLASSIFIED EXCAVATION				LUMP	
509	10000	3073	LB	EPOXY COATED REINFORCING STEEL	3073				
510	10000	208	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	208				
511	45710	18	CY	CLASS QC1 CONCRETE, ABUTMENT	18				
512	10100	60	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	60				
512	33010	124	SY	TYPE 3 WATERPROOFING			124		
515	10050	7	EACH	PRESTRESSED CONCRETE NON-COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, {B17-48} (33.75' LONG)			7		
516	13200	12	SF	1/2" PREFORMED EXPANSION JOINT FILLER	12				
516	13600	154	SF	1" PREFORMED EXPANSION JOINT FILLER	154				
516	31200	57	FT	SPECIAL - SAWING AND SEALING BITUMINOUS CONCRETE JOINTS			57		
516	41100	14	EACH	1/8" PREFORMED BEARING PAD			14		
516	43100	28	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) (6"x10"x1")			28		
517	70000	74.33	FT	RAILING (TWIN STEEL TUBE)			74.33		
518	21200	57	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	57				
518	22300	78	FT	SPECIAL - STEEL DRIP STRIP			78		

OTTAWA COUNTY
ENGINEER'S OFFICE
8247 WEST SR-163
OAK HARBOR, OH 43449

DATE
3/2022
RPL
STRUCTURE FILE NUMBER
6230075

REVIEWED
JPM
JRC
DRAWN
JPM
REVISED
CALCULATED
JPM
CHECKED
CRM

BRIDGE GENERAL NOTES & QUANTITIES
OTT-C0002-0355
DRY CREEK

OTT-CR2-3.55

2/11

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