

OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION

ADDENDUM NO. 1

PROJECT NO. 43-16-07 RE-BID

BRIDGE DECK JOINT REPAIRS
OHIO TURNPIKE OVER NORTH COAST INLAND TRAIL M.P. 83.3
SANDUSKY COUNTY, OHIO

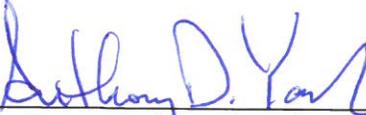
OPENING DATE: 2:00 P.M. (EASTERN), SEPTEMBER 9, 2016

ALL BIDS MUST BE ELECTRONICALLY SUBMITTED THROUGH BID EXPRESS

ATTENTION OF BIDDERS IS DIRECTED TO:

QUESTIONS AND ANSWERS THROUGH 10:00 AM ON SEPTEMBER 6, 2016

Issued by the Ohio Turnpike and Infrastructure Commission on September 6, 2016. Issuance authorized by Anthony D. Yacobucci, Chief Engineer, and Mark R. Musson, Director of Contract Administration.


Anthony D. Yacobucci
Date 9-6-16


Mark R. Musson
Date 9/6/16

**OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
ADDENDUM NO. 1
PROJECT NO. 43-16-07 RE-BID**

QUESTIONS AND ANSWERS THROUGH 10:00 AM ON SEPTEMBER 6, 2016

Q#1 I had a question concerning the joint opening after the new concrete is placed. Is there anything the contractor is required to install in this location across the entire joint? The gap seems rather large along with the ¼” – 1” elevation difference between new concrete and existing L6x4x1/2 steel joint.

A#1 Plan Sheet 2 of 5 is revised through this Addendum No. 1 to provide a detail adding an elastomeric concrete header to the top of the existing angle to help smooth out the transition from deck to abutment.

Q#2 Is there additional concrete added to the estimated quantities as a contingency? We are coming up with just under 9 CY for the pour – 1’1” x 1’1.25” x 197’ 3.25” = 8.74 CY.

A#2 The estimated quantities include a contingency.

Q#3 Will any of the stages be allowed to be closed for more than one day? If not, will traffic be allowed to drive on the temporary road plates incase work is not completed within the business hours?

A#3 Single lane closures may exceed one day. All work in two lane closures must be completed continuously once demolition commences and the center lane closure shall be removed by 6AM the next morning. The contractor shall plan his work accordingly. Traffic will not be permitted to drive on the temporary road plates.

Q#4 As this project is bidding on a Friday afternoon, I had questions regarding the required submittals in Article 2.7. Section 2.7.2 states the Bid Guaranty, Power of Attorney, and Bidder’s Affidavit are due within 24 hours of bid opening. Section 2.7.4 states a completed Confidential Financial Statement and Experience Questionnaire are due within 24 hours of bid opening. Section 2.7.5 states a demonstration of Good Faith Effort is due within 2 calendar days of bid opening. Are these items assumed to be due on Saturday, Sept. 10 and Sunday, Sept. 11, respectively, or will the due dates for these items be pushed into the following week due to the dates falling on a weekend?

A#4 The due dates are the following week. The 24-hour submittals (bond, power of attorney Affidavit and Questionnaire) must be received before 2PM on September 12, 2016. The demonstration of Good Faith Efforts must be received before 2PM on September 13, 2016.

Q#5 On plan pages 4/5 and 5/5 it says under the stage # for stages 2 and 4 “night time lane closure”. Do you expect the work in these 2 stages to be completed and open in one night?

A#5 *Single lane closures may exceed one day. All work in two lane closures must be completed continuously once demolition commences and the center lane closure shall be removed by 6AM the next morning. The contractor shall plan his work accordingly. Traffic will not be permitted to drive on the temporary road plates.*

Q#6 Plan note 1. on sheet 4/5 and 5/5 state "upon completion of the project, all mot devices shall be returned to the otic elmore maintenance garage". Is OTIC supplying MOT devices for this project?

A#6 *There is a single lane closure utilizing drums currently in place. As per the notes on Sheet 4 of 5, the existing drums are to be maintained by the contractor and upon completion of the project, they shall be returned to the Elmore Maintenance Garage. All other MOT devices shall be provided, placed, and removed by the contractor.*

Q#7 Will OTIC allow center lane closures to extend beyond 6:00 a.m. to perform Stage 2 and Stage 4 work? Can Zone remain in place until work is complete?

A#7 *Single lane closures may exceed one day. All work in the two lane closures identified in Stages 2 and 4 must be completed continuously once demolition commences and the center lane closure shall be removed by 6 AM the next morning. The contractor shall plan his work accordingly. Traffic will not be permitted to drive on the temporary road plates.*

Q#8 Will OTIC allow traffic to run on road plates in between MOT shifts?

Q#8 *Traffic will not be permitted to drive on the temporary road plates.*

MODIFICATIONS TO THE CONTRACT DOCUMENTS

Modifications to the Plan Drawings: Revisions to Plan Sheet 2 of 5 are called out in the attached with a cloud and deletions are marked with a revision triangle as thus:



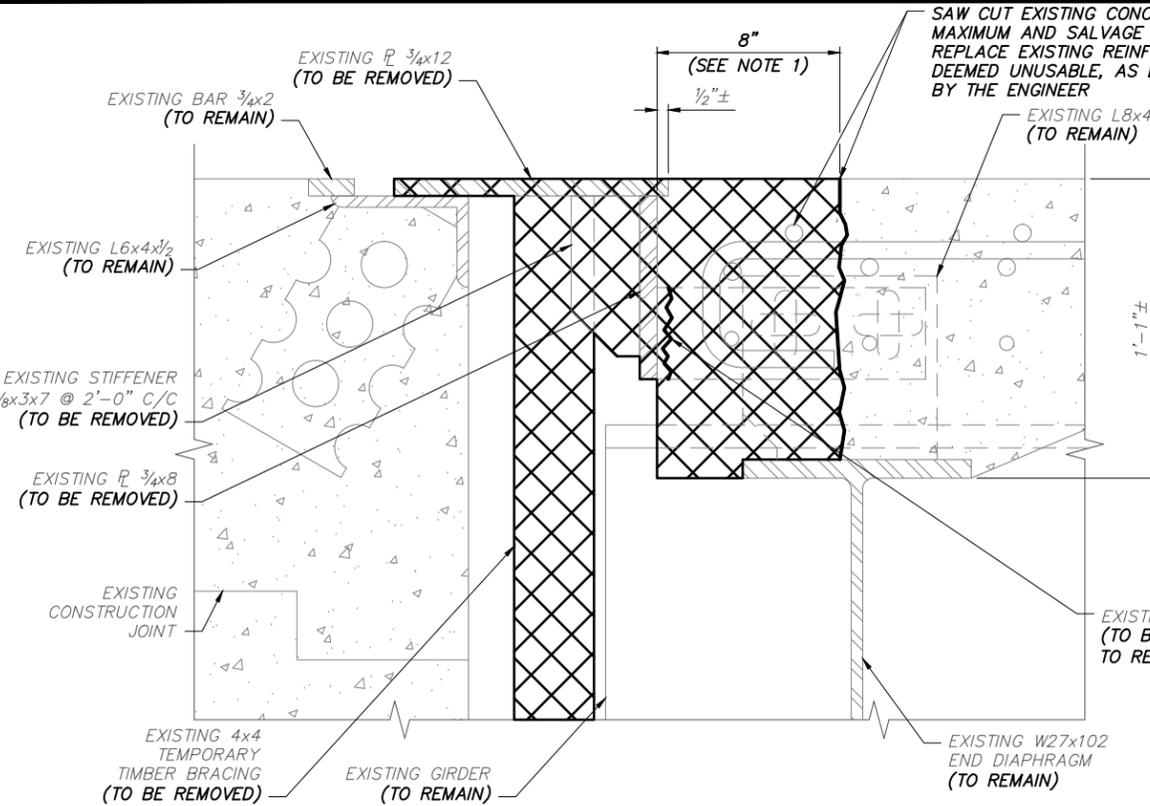
Addendum No. 1 to Contract 43-16-07 RE-BID:

(Firm Name)

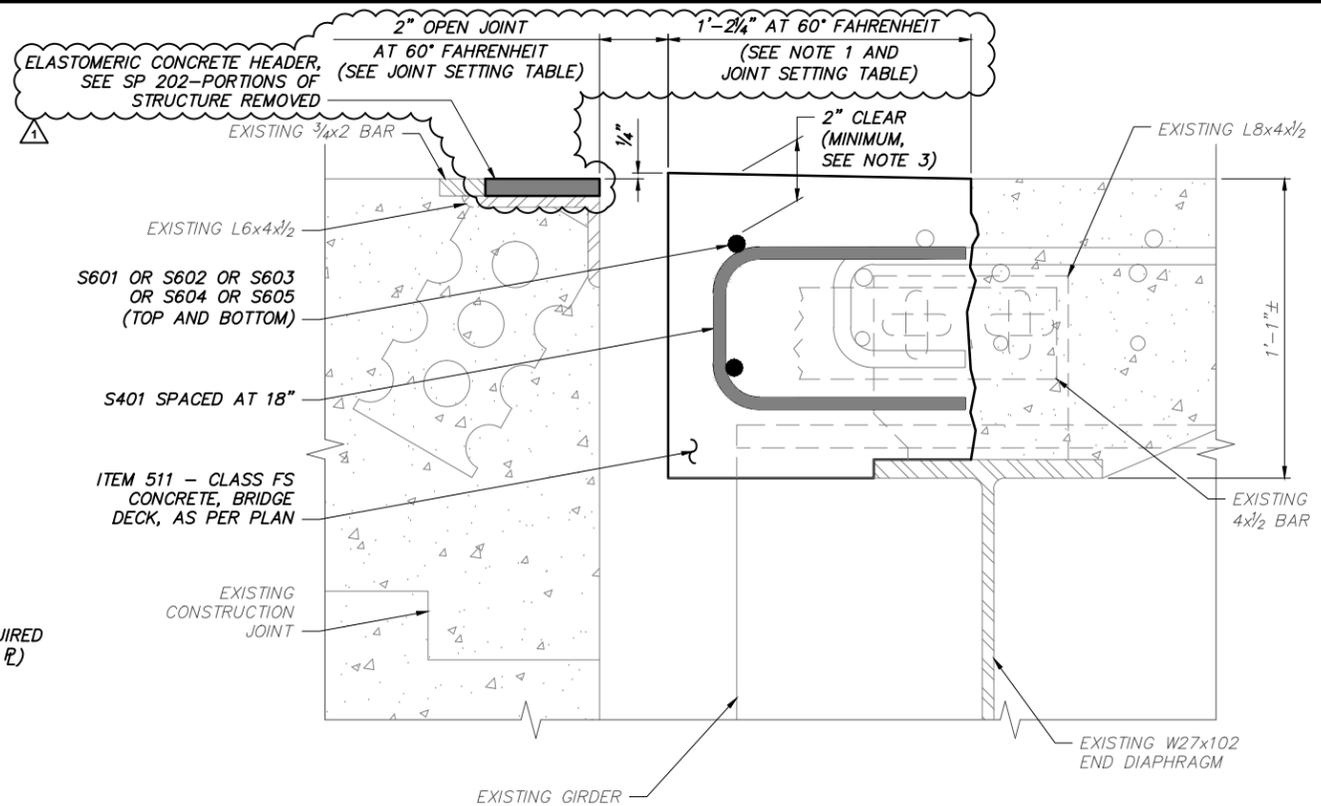
(Signature)

(Printed Name)

Date: _____



EXPANSION JOINT - REMOVAL SECTION



EXPANSION JOINT - PROPOSED SECTION

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMS) DATED JANUARY, 2010, AND THE SPECIAL PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS SHALL GOVERN THIS PROJECT.

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION FOR STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002, AND THE ODOT BRIDGE DESIGN MANUAL, 2004.

DESIGN DATA

CONCRETE CLASS FS - COMPRESSIVE STRENGTH 4.5 KSI (BRIDGE DECK)
 REINFORCING STEEL - ASTM A615 OR A 996 GRADE 60 ($F_y = 60$ KSI)

EXISTING STRUCTURE VERIFICATION

THE ORIGINAL CONSTRUCTION PLANS OR THE DECK REPLACEMENT DESIGN PLANS MAY BE EXAMINED BY PROSPECTIVE BIDDERS IN THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION OFFICE LOCATED AT:

682 PROSPECT STREET
 BEREA, OHIO 44017
 (440) 234-2081

EXISTING STRUCTURE VERIFICATION

DETAILS, DIMENSIONS, AND ELEVATIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND/OR FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS, DIMENSIONS, ELEVATIONS, AND SKEW ANGLES WHICH SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.

ITEM 511 - CLASS FS CONCRETE, BRIDGE DECK, AS PER PLAN

THE CONCRETE SHALL BE CLASS FS PER CMS 499.05.A AND CONFORM TO THE REQUIREMENTS OF CMS ITEM 511. HOWEVER, DO NOT SEAL WITH HMWM SEALING. THE FINISH SHALL MATCH THE EXISTING.

SP 614 - MAINTAINING TRAFFIC

IN ADDITION TO THE REQUIREMENTS OF SP 614, THE CONTRACTOR SHALL PROVIDE AND INSTALL A TEMPORARY ROAD PLATE OVER ALL OPENINGS IN THE DECK DURING PERIODS WHEN THE CONTRACTOR IS NOT ACTIVELY WORKING. THE TEMPORARY ROAD PLATES, INCLUDING INSTALLING AND REMOVING, SHALL BE INCIDENTAL TO ITEM SP 614, MAINTAINING TRAFFIC.

SP 202 - PORTIONS OF STRUCTURE REMOVED

IN ADDITION TO THE REQUIREMENTS OF SP 202, THE CONTRACTOR SHALL PROVIDE AND INSTALL AN ELASTOMERIC CONCRETE HEADER PER THE FOLLOWING REQUIREMENTS:

MATERIALS

THE ELASTOMERIC CONCRETE SHALL BE SUPPLIED BY:

EMSEAL JOINT SYSTEMS, LTD
 25 BRIDLE LANE
 WESTBOROUGH, MA 01581-2603
 800-526-8365 OR 508-836-0280
 www.emseal.com

THE ELASTOMERIC CONCRETE (EMCRETE) IS AN ELASTOMERIC CONCRETE WITH THE FOLLOWING REQUIREMENTS:

- (a) PROVIDE TWO-COMPONENT POLYURETHANE RESIN MIXED WITH SAND AND CHOPPED FIBERGLASS AGGREGATES.
- (b) PROVIDE EMCRETE AS MANUFACTURED BY EMSEAL JOINT SYSTEMS, LTD.
- (c) AGGREGATE RATIO OF RESIN TO AGGREGATE BY WEIGHT MUST NOT EXCEED 1:2.
- (d) MANUFACTURER'S CHECKLIST MUST BE COMPLETED AND RETURNED TO MANUFACTURER AT TIME OF ORDERING MATERIAL.
- (e) EMCRETE BY EMSEAL MUST BE SUPPLIED IN PRE-MEASURED CONTAINERS WHICH HOLD LIQUIDS (PARTS A & B) AND SAND AND FIBER.

PRODUCT DELIVERY, STORAGE AND HANDLING

- 1. DELIVER PRODUCTS TO SITE IN MANUFACTURER'S ORIGINAL, INTACT, PRE-MEASURED AND LABELED CONTAINERS WHICH HOLD THE LIQUIDS, SAND AND FIBER.
- 2. HANDLE AND PROTECT AS NECESSARY TO PREVENT DAMAGE OR DETERIORATION DURING SHIPMENT, HANDLING AND STORAGE.
- 3. STORE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 4. ANY OPENED OR DAMAGED CONTAINERS SHALL NOT BE USED.

RESTRICTIONS

- 1. SUBSTRATES MUST BE THOROUGHLY DRY AND THE TEMPERATURE MUST BE AT LEAST 45 DEGREES F AND RISING TO INSTALL EMCRETE.
- 2. INSTALLATION SHALL NOT BE PERFORMED IN RAINY WEATHER.
- 3. THE BONDING SURFACE SHALL BE IN SOUND AND GOOD CONDITION BEFORE PREPPING.
- 4. THE ENTIRE BONDING SURFACE SHALL BE WIRE BRUSHED AND FULLY CLEANED LEAVING NO CONTAMINANTS SUCH AS DIRT, DUST, OILS, OR OTHER RESIDUE ON ANY SURFACE.
- 5. THE AREA WHERE THE EMCRETE WILL BE Poured SHALL BE FULLY PREPPED AND FORMED AND THE SUBSTRATE SHALL BE PRIMED WITH EMPRIME PRIMER THAT IS INCLUDED WITH UNITS OF EMCRETE AND ALLOWED TO DRY FOR 30 MINUTES. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR DETAILED STEP-BY-STEP INSTRUCTIONS.

ELASTOMERIC CONCRETE HEADER INSTALLATION

- (1) PREPARE AND MIX THE ELASTOMERIC PRIMER.
- (2) PRIME THE VERTICAL AND HORIZONTAL FACES AND ALL STEEL SURFACES THAT ARE TO BE IN CONTACT WITH THE ELASTOMERIC CONCRETE.
- (3) PLACE THE MIXED ELASTOMERIC CONCRETE INTO THE PREPARED AREA MAKING SURE THAT IT IS THOROUGHLY COMPACTED. FINISH TO THE PROFILE SHOWN IN THE PLANS.

THE FURNISHING AND INSTALLATION OF THE ELASTOMERIC CONCRETE HEADER SHALL BE INCIDENTAL TO ITEM SP 202 - PORTIONS OF STRUCTURE REMOVED.

JOINT SETTING TABLE		
TEMPERATURE (FAHRENHEIT)	OPEN JOINT DIMENSION	CONCRETE DIMENSION
30°	2 3/8"	1'-1 7/8"
40°	2 1/4"	1'-2"
50°	2 1/8"	1'-2 1/8"
60°	2"	1'-2 1/4"
70°	1 7/8"	1'-2 3/8"
80°	1 3/4"	1'-2 1/2"
90°	1 5/8"	1'-2 5/8"
100°	1 1/2"	1'-2 3/4"

NOTES:

- 1. ALL UNSOUND CONCRETE SHALL BE REMOVED PRIOR TO THE POURING OF THE PROPOSED CONCRETE. LENGTH OF PROPOSED CONCRETE TO BE ADJUSTED BASED ON SETTING TEMPERATURE.
- 2. FOR MOT PLANS, SEE SHEETS $\frac{4}{5}$ AND $\frac{5}{5}$.
- 3. REBAR CLEARANCE MEASURED FROM THE EDGE OF REBAR TO THE FACE OF CONCRETE SHALL BE 2" MINIMUM.
- 4. MINIMUM REBAR LAP LENGTHS ARE AS FOLLOWS:
 NO. 6 (HORIZONTAL) 3'-0"

LEGEND:

ITEM SP 202 - PORTIONS OF STRUCTURE REMOVED

SX001.dwg: 9/06/16 - 10:41am

DESIGN AGENCY
AECOM
 AKRON CLEVELAND COLUMBUS
 564 WHITE POND DRIVE
 AKRON, OHIO 44320-1100
 (330) 836-9111

OHIO TURNPIKE

DECK JOINT DETAILS
 OHIO TURNPIKE OVER NORTH COAST INLAND TRAIL
 SANDUSKY COUNTY

M.P. 83.3

PROJECT 43-16-07
 DATE: 07/08/16

1 / 2
 2
 5

OHIO TURNPIKE