## ADDENDUM NO. 3

## PROJECT NO. 43-17-05

BRIDGE DECK REPAIR AND REHABILITATION BOSTON MILLS ROAD OVER OHIO TURNPIKE M.P. 178.0, OLDE EIGHT ROAD OVER OHIO TURNPIKE M.P. 179.5, NICHOLS ROAD OVER OHIO TURNPIKE M.P. 199.2, SUMMIT AND PORTAGE COUNTIES, OHIO

## EXTENDED OPENING DATE: 2:00 P.M. (EASTERN TIME), JANUARY 25, 2017

ALL BIDS MUST BE ELECTRONICALLY SUBMITTED THROUGH BID EXPRESS

## ATTENTION OF BIDDERS IS DIRECTED TO:

QUESTIONS AND ANSWERS THROUGH 10:00 AM ON JANUARY 20, 2017
-AND-
MODIFICATION TO PLAN SHEETS 2, 8, 12, 18, 32, 39 AND 44
-AND-
CHANGE TO THE BID FORM SCHEDULE OF ITEMS

Issued by the Ohio Turnpike and Infrastructure Commission on January 20, 2017. Issuance authorized by Anthony D. Yacobucci, Chief Engineer, and Mark R. Musson, Director of Contracts Administration.


## QUESTIONS AND ANSWERS THROUGH 10:00AM ON JANUARY 20, 2017

Q\#5. At MP 179.5, sheet 26/49, what is the estimated quantity of Item 601 slope protection, what is the estimated quantity, and what pay item reference \# will this be paid under. Also, what materials will be considered acceptable.

A\#5 There is a new pay item added as Ref. No. 43A, Item No. SP 601, Concrete Slope Protection, quantity of 90 SQ YDS. Plan Sheet 2 of 49 has been revised.

Q\#6 Plan sheet $37 / 49$ shows a scupper drain extension at both sides of the rear end of Arch, for a total of (4). However, bid reference item \#38 has a quantity of 6 each. Please clarify.

A\#6 Plan Sheet No. 37 of 49 shows a scupper drain extension at both sides (Left and Right) of the rear end of the arch for a total of two (2). Bid Ref. No. 38 is for Scupper Salvaged or Replaced, quantity of six (6) as shown on Plan Sheet No. 34 of 49. The quantity for Ref. No. 38 which was revised in Addendum 1 to four (4) is reverted back to six (6) through this Addendum No. 3. Note 2 on Plan Sheet 37 of 49 indicates the scupper drain extension work shall be included for payment WITH Item 518 - Scupper Salvaged or Replaced.

Q\#8 The four (4) existing catch basins at Nichols Road are called out to be "reconstructed to grade" on plan sheet 39/49. The General Summary on plan sheet $2 / 49$ indicates that the four (4) catch basins at Nichols Road are to be removed by bid item \#8 and replaced with new catch basins by bid item \#24. Also, there is a general note on plan sheet 8/49 "SP604-Catch Basin Reconstructed to Grade" that describes the work involved with the reconstruction activity. It is unclear as to what the OTIC intends to do with the four (4) catch basins at Nichols Road. Please clarify if these catch basins are to be removed and replaced according to the General Summary or reconstructed and adjusted to grade according to plan sheets 8 \& 39/49 and adjust the existing bid item quantity and add the new bid items if reconstruction is the desired work.

A\#8 All catch basins at Nichols Road are to be removed and replaced. Plan Sheets 8 and 39 of 49 are revised accordingly through this Addendum No. 3.

Q\#11 The existing bridge sections for Boston Mills (sheet 12/49) and Nichols (sheet 40/49) do not depict existing deck counterweights. The existing bridge plans for Boston Mills shows counterweights while Nichols does not. Please confirm if there are existing counterweights at any of the structures.

A\#11 There are existing counterweights at Boston Mills, as indicated on the existing plans and will be replaced at Boston Mills. There are no existing counterweights at Nichols Road, but this project will add the counterweights at Nichols Road.

Q\#13 Plan Sheet 44/49 it calls out the shear studs as 7/8" x 6 " in the elevation view and then as 7/8" x 5 " in the plan view. Can the correct stud length please be provided?

A\#13 Six (6) inch studs are to be provided, and Plan Sheet 44 of 49 is revised accordingly through this Addendum No. 3.

Q\#14 Can the commission please clarify the scupper and related work to be paid for under Bid Item \#38? The original quantity, before it was changed by Addendum \#1, was 6ea which corresponded to the number of scuppers shown on Sht 34/49 to be salvaged or replaced. Sht $37 / 49$ only shows two (2) scupper drain extensions, one (1) on the southwest corner of the bridge and one (1) on the southeast corner of the bridge. Plan Note 2 on Sht 34 clearly states that the bench cleaning and scupper drain extensions are only to be performed on the rear end of the arch.

A\#14 See the response to Q\#6.

Q\#15 The Olde Eight bridge plans indicate removal of the existing approach slab, however the Boston Mills plans do not indicate that the existing slabs are being removed. There is quantity for new slabs on Boston Mills. Please verify that the approach slabs at both locations are being removed and replaced.

A\#15 Yes, Plan Sheets 2 and 18 of 49 have been revised to clarify that the Boston Mills Road approach slabs are to be removed and replaced.

Q\#16 Some previous projects have included a bid item for Approach Slab Removal. Where should this work be included in the current bid?

A\#16 This work is to be included for payment in Item SP 202 - Portions of Structure Removed.

Q\#17 Addendum \#2 did not include a location to acknowledge the addendum. Will it be acceptable to provide the typical acknowledgment information on the addendum page?

A\#18 Yes, Addendum No. 2 did not provide any substantive revisions to the contract documents. Bidders may submit responsive bids any time prior to the extended opening date without providing an acknowledgement of Addendum No. 2.

Q\#19 The General Summary lists Item 202 - Pavement Removed and Item 301 - Asphalt Concrete Base, PG64-22 for MP178.0 and MP 199.2. We cannot find locations for this work shown in the plans. What is the anticipated use of these items?

A\#19 The anticipated activities compensated under these pay items are removing and replacing/repairing the roadway pavement around the catch basins replaced at the Boston Mills Road Bridge and the Nichols Road Bridge.

Addendum No. 3 to Contract 43-17-05:
(Firm Name)
(Signature)
(Printed Name)
Date:
$\triangle$

| $\begin{aligned} & \text { ITEM } \\ & \text { ODOT } \end{aligned}$ | total | UNIT | DESCRIPTION | GENERAL | MP 178.0 | MP 179.5 | MP 199.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GENERAL |  |  |  |  |  |  |  |
| IB.ART. 6 | LUMP | LUMP | PREMIUM FOR CONTAACT PERFORMANCE BOND AND PAYMENT BOND | LUMP |  |  |  |
| SP614 | LUMP | LUMP | MAINTAINING TRAFFIC | LUMP |  |  |  |
| SP619 | LUMP | LUMP | FILED OFFICE | LUMP |  |  |  |
| SP 623 | LUMP | LUMP | Construction layout surver | LUMP |  |  |  |
| 624 | LUMP | LUMP | moblization | LUMP |  |  |  |
| ROADWAY |  |  |  |  |  |  |  |
| 202 | ${ }^{55}$ | FOOT | PIPE REMOVED, $24^{4 \prime}$ AND UNDER |  | 35 |  | 20 |
| 202 | 600 | FOOT | GUARDRAL REMOVED |  | 150 | 150 | 300 |
| 202 | 6 | EACH | CATCH BASIN REMOVED |  | 2 |  | 4 |
| 202 | 27 | sa.ro. | PAVEMENT REMOVED |  | 20 |  | 7 |
| 254 | 518 | sa.YD. | PAVEMENT PLANING, ASPHALT CONCRETE |  | 166 | 158 | 194 |
| 301 | 12 | cu.yd. | ASPHALT CONCRETE BASE, PG64-22 |  | 5 |  | 7 |
| 407 | 70 | GAL. | NON-TRACKING TACK COAT |  | 22 | 22 | 26 |
| 441 | 19 | cu.yd. | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 |  | 6 | 6 | 7 |
| 441 | 27 | cu.yd. | ASPHAL T CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22 |  | 9 | 8 | 10 |
| 526 | 199 | sQ.YD. | REINFORCED CONCRETE APPROACH SLABS, ( $7=12^{\prime \prime}$ ) |  | ${ }^{96}$ | 103 |  |
| 606 | 300 | fоот | GUARDRAL, TYPE MGS |  | 50 | 50 | 200 |
| 606 | 12 | EACH | MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 |  | 4 | 4 | 4 |
| 614 | 90 | HOUR | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSIST | 90 |  |  |  |
| 614 | 5 | EACH | REPLACEMENT SIGN | 5 |  |  |  |
| 626 | 16 | EACH | BARRIER REFLECTOR |  | 4 | 4 | 8 |
| 630 | 300 | SQ.FT. | SIGNING MISC.: ADDITIONAL SIGNS, GROUND MOUNTED AS DIRECTED BY THE ENGINEER | 300 |  |  |  |
| 642 | 0.39 | MLE | EDGELINE, 4" |  | 0.13 | 0.15 | 0.11 |
| 642 | 0.19 | MLE | CENTER LINE |  | 0.06 | 0.07 | 0.06 |
| DRAINAGE |  |  |  |  |  |  |  |
| SP 604 | 6 | EACH | CATCH BASIN, NO. CB-1 |  | 2 |  | 4 |
| 611 | ${ }^{28}$ | FOOT | 12"CONDUIT, TYPE B |  | 28 |  |  |
| 611 | 27 | FOOT | ${ }^{12}{ }^{\text {" CONDUIT, TYPE }}$ |  | 7 |  | 20 |
| STRUCTURES |  |  |  |  |  |  |  |
| SP 202 | LUMP | LUMP | PORTIONS OF STRUCTURE REMOVED |  | LUMP | LUMP | LUMP |
| SP 509 | 200,969 | POUND | EPOXY COATED REINFORCING STEEL, GRADE 60 |  | 58,498 | 88,648 | 5, 1023 |
| 509 | 300 | POUND | REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL |  | 100 | 100 | 100 |
| SP 511B | 616 | cu.ro. | CLASS HP4 CONCRETE, SUPERSTRUCTURE DECK SLAB |  | 199 | 247 | 170 |
| SP511B | 239 | cu.ro. | CLASS S CONCRETE, BARRIERS AND PARAPETS, USING TYPE 1 CEMENT |  | 72 | 99 | 68 |
| SP 511B | 144 | cu.yd. | CLASS HP4 CONCRETE, ABUTMENT SLABS |  | 37 | 69 | 38 |
| SP 5118 | 9 | cu.ro. | CLASS HP4 CONCRETE, FOR PREPLACEMENT TESTING |  | 3 | 3 | 3 |
| 513 | 6,600 | EACH | WELDED STUD SHEAR CONNECTORS |  |  | 4,240 | 2,360 |
| SP 516A | 25 | FOOT | CRACK REPAIR USING EPOXY INUECTION | 25 |  |  |  |
| SP 516B | ${ }^{1,578}$ | FOOT | SEALING OF CONSTRUCTION JoINTS |  | 474 | 654 | 450 |
| SP 5166 | 32 | EACH | REPLACE EXPANSION BEARING DEVICE |  | 16 |  | 16 |
| 518 | 6 | EACH | SCUPPER SALVAGED OR REPLACED |  |  | 6 |  |
| SP 519 | 202 | SQ.FT. | PATCHING CONCRETE STRUCTURES |  | 196 |  | 6 |
| SP 527 | LUMP | LUMP | FALSEWORK, TEMPORARY BRACING, AND PROTECTIVE STRUCTURES |  | LUMP | LUMP | LUMP |
| SP 533 | 241 | FOOT | THREE (3) INCH CONTINUOUS STRIP SEAL IN STRUCTURAL STEEL Joints |  | 61 | 125 | 55 |
| SP 536 | 824 | sQ.YD. | CONCRETE WEATHERPROOFING, SUBSTRUCTURE |  | 374 | 152 | 298 |
| SP 536 | 2,933 | sQ.YD. | CONCRETE WEATHERPROOFIN G, DECK AND ABUTMENT SLABS |  | 799 | 1,336 | 798 |
| $\mathrm{CbO}_{60}$ | 90 | SQPM. | CONCRETESELOPEPROTECTION |  |  | ${ }^{90}$ |  |
| SP 607 | 1,537 | FOOT | TYPE II FENCE, ALL ALUMINUM (6'0" CHAIN LINK WITH SPECIALS) |  | 461 | 640 | 436 |

TEM 630 - SIGNING MISC: ADDITIONAL SIGNS. GROUND MOUNTED AS DIRECTED BY THE ENGINEER
WHEN ADDITIONAL SIGNING IS NEEDED TO MAINTAN TRAFFIC, THE CONTRACTOR SHALL EURNSH THE
SIGN SR SIGNS AS IRECTED BY THE ENGINERR THESE SIGNS SHALL BE GROUND MOUNTED AND MEET ALL THE SPECIFICATIONS OF THE PLAN, PROPOSAL AND CURRENT YEAR CMS.
PAYMENT FOR THIS ITEM SHALL INCLUDE, BUTNOT BE LMITED TO, THE COST TO FURNSHH AND ERECT
THE SIGN INCLUDNG DRIVNG POSTS OR OTHER APPROVFD METHOOS OF SIGN SUPORT MAINTANING THE SIGN AND REMOVAL OF THE SIGN. THE FOLLOWING ESTMMATED QUANTITY HAS BEEN

TTEM G3O, SIGNING MISC.: ADDITIONAL SIGNS, GROUND MOUNTED 300 SQ. FT
ITEM 614-REPLACEMENT SIGN

THE REFQUREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WTH BECOME DAMAGED BY
 USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.


ITEM 614, REPLACEMENT SIGN
5 EACH
SUSPENSION OF WORK


NOTICE OF CLOSURE SIGNS
NOTICE OF CLOSURE SIGNS SHALL BE ERECTED BY THE CONTRACTOR ATLEAST TWENTY-ONE (21) DAYS


THE NOTICE OF LLOSURE SIISNS SHALL BE IN ACCORDANCE WTH ITEM 614 AND ODOOT SIISN DESIGNS COMMISSION".

$60^{\circ} \times 36^{\prime \prime-H 14}$
ALTERNATE METHODS
IF THE CONTRACTOR SO ELECTS, HESHHE MAY SUSBITT ALTERNATE METHODS FOR THE MAINTENANCE OF
 UNTL APPROVAL HAS BEEN GRANTED IN WRITING, BY THE CHIEF ENGGNER

## GUARDRALI TRANSITIONS

TRANSITIIN GUARDRAL HEIGHT FROM EXIITING TO STANDARD MIDWEST GUARDRALL SYSTEM BRIDGE





