OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION

ADDENDUM NO. 3

PROJECT NO. 43-18-05 (PART A)
BRIDGE REPAIR AND REHABILITATION
OHIO TURNPIKE RAMP OVER OHIO TURNPIKE (EXIT 218), M.P. 218.7
MAHONING COUNTY, OHIO

PROJECT NO. 43-18-05 (PART B)
BRIDGE REPLACEMENT
OHIO TURNPIKE OVER MILL CREEK BIKEWAY, M.P. 223.0
MAHONING COUNTY, OHIO

OPENING DATE:
PREVIOUSLY EXTENDED TO 2:00 P.M. (EASTERN TIME), ***JUNE 1***, 2018

ATTENTION OF BIDDERS IS DIRECTED TO:
QUESTIONS RECEIVED THROUGH 1:00 PM ON MAY 24, 2018
-AND-
REVISIONS TO 43-18-05-PART B PLAN SHEET NOS. 13 AND 43 OF 57
-AND-
REVISIONS TO THE BID SCHEDULE OF ITEMS REF NOS. 22 AND 98

Issued by the Ohio Turnpike and Infrastructure Commission on May 24, 2018 by Christopher A. Matta, Deputy Chief Engineer, and Mark R. Musson, Director of Contracts Administration.

5/24/18
Christopher A. Matta Date

5/24/18
Mark R. Musson Date

ANSWERS TO QUESTIONS RECEIVED THROUGH 1:00 PM ON MAY 24, 2018:

Q#32 Addendum #1 answered Question #7 indicating that an average depth of 3 feet for the length of the culvert was used to quantify the excavation quantities; however, it is believed that some of this excavation is quantified in bid item #32 – Excavation. Cross Sections have been run through the bike path and the culvert quantifying the Cubic Yards of Excavation to the bottom of concrete for the bike path structure. Please clarify whether the Excavation will be paid under Bid Item #32 – Excavation or Bid Item #98 – Unclassified Excavation. Also, please adjust quantities as required.

A#32 The Bid Item #98 – unclassified excavation quantity has been revised to 342 CU. YD. to account for the excavation paid for by Bid Item #32 – Excavation. General Summary Plan Sheet 13 of 57, Structure Estimated Quantities Plan Sheet 43 of 57 and the Bid Schedule of Items have been revised through this Addendum 3.

Q#33 Addendum #1 answered Question #19 regarding Work Zone Pavement Markings and the last sentence of the answer states that "Part B is done separately, as indicated". However, Part B does not have any bid items set up for Work Zone Pavement Markings and no notes indicating where the Work Zone Pavement Markings is to be paid. Please clarify.

A#33 Please see the "MAINTAINING TRAFFIC" note on Plan Sheet 6 of 57, Section VI. PAYMENT stating that "Payment for Maintenance of Traffic Items, unless specified separately, shall be paid for under the lump sum bid for Item 614 – Maintaining Traffic, which shall include all labor, equipment, materials, and incidentals required to complete the work as detailed in the plan".

Q#34 Bid Item #22 – Micro-Silica Modified Concrete Overlay (Variable Thickness), Material Only is set up on the bid sheet to be paid by the Square Yard; however, Supplemental Specification 848 states that this item will be paid by the Cubic Yard. Please change the bid sheet to pay for this item by the Cubic Yard.

A#34 The correct unit for "Item #22 – Micro-Silica Modified Concrete Overlay (Variable Thickness), Material Only" is CU. YD. The Bid Schedule of Items has been revised through this Addendum 3.

Q#35 The existing/as-built construction drawings for the Turnpike Bridges over the Mill Creek Bikeway M.P. 223.0 still have not been posted online. Please post these drawings.

A#35 The existing/as-built construction drawings for the Turnpike Bridges over the Mill Creek Bikeway M.P. 223.0 are provided with this Addendum 3 in accordance with IB 2.1.4.

Q#36 In Addendum #1, answer to Question #9 states to access the project along the northeastern side of the Ohio Turnpike Right-of-Way and that the contractor must take every precaution and care to prevent any interference or damage to the CenturyLink's fiber optic cable. Does

the Ohio Turnpike or Century Link have any information on the depth of the fiber optic cable between Kirk Rd and the Mill Creek Bikepath? Are there any as-built drawings on this cable that could be posted online?

A#36 The "As-Built" drawing for the CenturyLink fiber optic cable is provided "For Information Only" through this Addendum 3 in accordance with IB 2.1.4. Bidders are directed to Special Provision SP117 for additional details and provisions regarding CenturyLink's fiber optic cable.

Q#37 Would the Turnpike allow Project laydown and field office trailer at Salt Dome MP 219.0 EB?

A#37 The existing paved area near the salt dome at Eastbound MP 219 may be used for field office trailer location. The existing laydown area at the Westbound MP 219 area may be used for equipment and material storage during the project. The Contractor must restore the property to its condition immediately preceding its use, as approved by the Chief Engineer.

Q#38 Is precast coping allowed on top of the MSE wall?

A#38 As provided in ODOT Supplemental Specification 840.06.K, precast coping is not permitted on the MSE wall.

Receipt of Addendum No. 3
Project No. 43-18-05 (PART A & B) is hereby acknowledged:

(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____
BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 3 WITH THEIR BID.

GENERAL SUMMARY

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	REFERENCE NO.
			ROADWAY	
201	LUMP	LUMP SUM	CLEARING AND GRUBBING	
202	636	SY	PAVEMENT REMOVED	
202	1,051	FOOT	GUARDRAIL REMOVED	
202	8	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
202	2	EACH	CATCH BASIN OR INLET REMOVED	
202	504	FOOT	FENCE REMOVED	
203	1,923	CY	EXCAVATION	
203	17,332	CY	EMBANKMENT	
204	4,851	SY	SUBGRADE COMPACTION	
204	100	CY	EXCAVATION OF SUBGRADE	
204	100	CY	EMBANKMENT	
304	1,138	CY	AGGREGATE BASE	
606	1,315	FOOT	GUARDRAIL, TYPE MGS, WITH LONG STEEL POSTS	
606	2	EACH	ANCHOR ASSEMBLY, TYPE E	
607	566	FOOT	FENCE, TYPE 47, AS PER PLAN	5
609	790	FOOT	ASPHALT CONCRETE CURB, TYPE 1	
607	95	FOOT	FENCE REMOVED AND REBUILT	
630	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
			EROSION CONTROL	
SP 113	LUMP	LUMP SUM	SWPPP MANAGEMENT	
659	4	EACH	SOIL ANALYSIS TEST	
659	1,372	CY	TOPSOIL	
659	3,927	SY	SEEDING AND MULCHING	
659	196	SY	REPAIR SEEDING AND MULCHING	
659	196	SY	INTER-SEEDING	
659	1.0	TON	COMMERCIAL FERTILIZER	
659	1.0	ACRE	LIME	
659	11	M GAL	WATER	
832	383	SY	DITCH EROSION CONTROL PROTECTION, TYPE A	
832	30,000	EACH	EROSION CONTROL	
			DRAINAGE	
SP 605	1,580	FOOT	6" SHALLOW PIPE UNDERDRAINS WITH FABRIC WRAP (D=30") (1)	
SP 605	790	FOOT	6" BASE PIPE UNDERDRAINS WITH FABRIC WRAP (D=18")	
611	100	FOOT	6" CONDUIT, TYPE F, 707.33	
611	1	EACH	CATCH BASIN ADJUST TO GRADE	
611	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	5
611	4	EACH	PRECAST REINFORCED CONCRETE OUTLET	
611	1	EACH	INLET RECONSTRUCTED TO GRADE	
			PAVEMENT	
204	3	HOUR	PROOF ROLLING	
SP 302	1,388	CY	ASPHALT CONCRETE BASE, PG 64-22	
SP 304	1,418	CY	AGGREGATE BASE	
SP 402	245	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, PG 70-22 (FR)	
SP 404	175	CY	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 70-22 (FR)	
407	582	GALLON	NON-TRACKING TACK COAT	
			TRAFFIC CONTROL	
621	10	EACH	RAISED PAVEMENT MARKER REMOVED	
SP 621	10	EACH	RAISED PAVEMENT MARKER (WHITE)	
SP 626	17	EACH	BARRIER REFLECTOR	
642	7.46	MILE	EDGE LINE, 6"	
642	3.73	MILE	LANE LINE, 6"	
SPECIAL	7.46	MILE	SONIC NAP ALERT PATTERN (SNAP)	

GENERAL SUMMARY

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	REFERENCE NO.
			MAINTENANCE OF TRAFFIC	
614	LUMP	LUMP SUM	MAINTAINING TRAFFIC, MISC.: MILL CREEK BIKEWAY DETOUR	7
614	2	EACH	WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (BIDIRECTIONAL)	
614	2	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM	
614	480	DAY	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
SP 404	120	CU YD	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC ON CROSSOVERS, PG 64-22	
614	5	EACH	REPLACEMENT SIGN (1)	
SP 614	8,640	HOUR	ZONE PERSON	
SP 614C	6.00	MILE	REMOVAL OF PAVEMENT MARKING	
SP 622	LUMP	LUMP SUM	32" TEMPORARY PORTABLE BARRIER (WITHOUT GLARE SCREEN)	
SP 622	LUMP	LUMP SUM	32" TEMPORARY PORTABLE BARRIER (WITH GLARE SCREEN)	
SP 626A	3,940	EACH	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE	
SP 626A	3,940	EACH	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW	
630	16	EACH	SIGNING MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY THE ENGINEER (1)	
SPECIAL	38,080	FOOT	"SNAP" MILL AND FILL	
SPECIAL	1 LUMP	LUMP SUM	EXISTING CROSSOVER TO BE CLOSED/RE-OPENED	
606	1	EACH	ANCHOR ASSEMBLY, TYPE T	
			LIGHTING	
625	800	FOOT	NO. 8 AWG CABLE	
625	450	FOOT	CONDUIT, 1", 725.04	
625	350	FOOT	CONDUIT, 1", 725.051	
625	12	EACH	LUMINAIRE, MISC.: BIKEWAY CULVERT LIGHTING	
625	450	FOOT	TRENCH, 24" DEEP	
625	1	EACH	PULLBOX, 725.08	
625	12	EACH	JUNCTION BOX	
625	1	LUMP	POWER SERVICE, AS PER PLAN, PS1	36
625	1	LUMP	POWER SERVICE, AS PER PLAN, PS2	36
			GENERAL	
SP 614	LUMP	LUMP SUM	MAINTAINING TRAFFIC	
SP 619	LUMP	LUMP SUM	FIELD OFFICE	
SP 623	LUMP	LUMP SUM	CONSTRUCTION LAYOUT SURVEY	
624	LUMP	LUMP SUM	MOBILIZATION	
			STRUCTURES	
SP 202	LUMP	LUMP SUM	PORTIONS OF STRUCTURE REMOVED	
SP 202	343	SY	APPROACH SLAB REMOVED (2)	
503	342	CY	UNCLASSIFIED EXCAVATION, AS PER PLAN	47
SP 509	205,811	POUND	EPOXY COATED REINFORCING STEEL	
511	1,263	CY	CLASS QC1 CONCRETE (1)	
511	1	EACH	CONCRETE, MISC.: MOCKUP PANEL	
511	864	SF	CONCRETE, MISC.: FORMLINER	
512	1,005	SY	SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)	47
512	2,061	SY	TYPE 2 WATERPROOFING	
512	1,005	SY	SEALING, MISC.: STAINING OF CONCRETE SURFACES	
516	70	SF	1" PREFORMED EXPANSION JOINT FILLER	
518	1,027	CY	POROUS BACKFILL WITH FILTER FABRIC	
518	584	FOOT	6" PERFORATED CORRUGATED PLASTIC PIPE	
518	8	FOOT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS (1)	
SP 527	LUMP	LUMP SUM	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES	
SP 536	1,005	SY	CONCRETE WEATHERPROOFING	
611	216	FOOT	CONDUIT, TYPE A, PRECAST REINFORCED ARCH SECTIONS, AS PER PLAN (20'-SPAN X 10' RISE)	
840	6,517	SF	MECHANICALLY STABILIZED EARTH WALL	
840	2,189	CY	WALL EXCAVATION	
840	690	SY	FOUNDATION PREPARATION	
840	4,371	CY	SELECT GRANULAR BACKFILL	
840	704	FOOT	6" DRAINAGE PIPE, PERFORATED CORRUGATED PLASTIC PIPE	
840	8	FOOT	6" DRAINAGE PIPE, NON-PERFORATED CORRUGATED PLASTIC PIPE	
840	318	FOOT	CONCRETE COPING	
840	4	DAYS	ON-SITE ASSISTANCE	
840	5,830	SF	AESTHETIC SURFACE TREATMENT	
840	LUMP	LUMP SUM	SGB INSPECTION AND COMPACTION TESTING	

DESIGN AGENCY: Gannett Fleming

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	VDT	5/15/18
2	ADDENDUM #3	VDT	5/23/18
-	-	-	-

CHECKED: AAF — IN CHARGE: CNB
DESIGNED: CNB — DRAWN: DBM

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

GENERAL SUMMARY

PROJECT 43-18-05B

DATE: 4/27/18

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OHIO TURNPIKE

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ESTIMATED QUANTITIES

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	MP 223.0 CULVERT	MSE WINGWALL #1	MSE WINGWALL# 2	MSE WINGWALL #3	MSE WINGWALL #4	REFERENCE SHEET
SP 202	LUMP (1)	LUMP SUM	PORTIONS OF STRUCTURE REMOVED	LUMP (1)					
SP 202	343	SQ. YD.	APPROACH SLAB REMOVED	343					
503	342 (2)	CU. YD.	UNCLASSIFIED EXCAVATION, AS PER PLAN	342 (2)					8
SP 509	205,811 (1)	POUND	EPOXY COATED REINFORCING STEEL	205,811 (1)					
511	1,263	CU. YD.	CLASS QC1 CONCRETE	1,263					
511	1	EACH	CONCRETE, MISC.: MOCKUP PANEL	1					
511	864	SQ. FT.	CONCRETE, MISC.: FORMLINER	864					
512	1,005	SQ. YD.	SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)	173	263	112	295	162	8
512	2,061	SQ. YD.	TYPE 2 WATERPROOFING	2,061					
512	1,005	SQ. YD.	SEALING, MISC.: STAINING OF CONCRETE SURFACES	173	263	112	295	162	
516	70	SQ. FT.	1" PREFORMED EXPANSION JOINT FILLER	70					
518	1,027	CU. YD.	POROUS BACKFILL WITH FILTER FABRIC	1,027					
518	584	FOOT	6" PERFORATED CORRUGATED PLASTIC PIPE	584					
518	8	FOOT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	8					
					(1)				
SP 527	LUMP	LUMP SUM	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES	LUMP					
SP 536	1,005	SQ. YD.	CONCRETE WEATHERPROOFING	173	263	112	295	162	
611	216	FOOT	CONDUIT, TYPE A, PRECAST REINFORCED ARCH SECTIONS, AS PER PLAN (20'-SPAN X 10' RISE)	216					3 & 8 (1)
840	6,517	SQ. FT.	MECHANICALLY STABILIZED EARTH WALL		2,089	852	2,348	1,228	
840	2,189	CU. YD.	WALL EXCAVATION		850	219	933	187	
840	690	SQ. YD.	FOUNDATION PREPARATION		215	96	235	144	
840	4,371	CU. YD.	SELECT GRANULAR BACKFILL		1,407	522	1,669	773	
840	704	FOOT	6" DRAINAGE PIPE, PERFORATED CORRUGATED PLASTIC PIPE		240	90	241	133	
840	8	FOOT	6" DRAINAGE PIPE, NON-PERFORATED CORRUGATED PLASTIC PIPE		2	2	2	2	
840	318	FOOT	CONCRETE COPING		104	44	104	66	
840	4	DAYS	ON-SITE ASSISTANCE		1	1	1	1	
840	5,830	SQ. FT.	AESTHETIC SURFACE TREATMENT		1,843	764	2,127	1,096	
840	LUMP (1)	LUMP SUM	SGB INSPECTION AND COMPACTION TESTING		LUMP (1)	LUMP	LUMP	LUMP	

DESIGN AGENCY: Gannett Fleming

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	VDT	6/15/18
2	ADDENDUM #3	VDT	6/25/18
-	-	-	-

DESIGNED: CJP | CHECKED: GTK | IN CHARGE: MTO | DRAWN: CJP

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

ESTIMATED STRUCTURE QUANTITIES
OHIO TURNPIKE OVER MILL CREEK BIKEWAY
MAHONING COUNTY
M.P. 223.0

PROJECT 43-18-05B
DATE: 4/27/18

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