



**OHIO TURNPIKE AND  
INFRASTRUCTURE COMMISSION**

**ADDENDUM NO. 1**

**PROJECT NO. 43-18-02  
BRIDGE DECK REPAIR AND REHABILITATION  
PERRYSBURG-HOLLAND ROAD OVER THE OHIO TURNPIKE, M.P. 59.0  
HESSVILLE ROAD OVER THE OHIO TURNPIKE, M.P. 84.4  
LUCAS AND SANDUSKY COUNTIES, OHIO**

**OPENING DATE:  
*EXTENDED TO* 2:00 P.M. (EASTERN TIME), MAY 18<sup>TH</sup>, 2018**

**ATTENTION OF BIDDERS IS DIRECTED TO:**

**QUESTIONS RECEIVED THROUGH 12:00 PM ON MAY 15 2018**

**-AND-**

**REVISIONS TO PLAN SHEETS 3, 7 AND 22 OF 47**

**-AND-**

**REVISIONS TO THE BID SCHEDULE OF ITEMS REF. NOS. 1A, 7A, 13, 20, 24, 27, 28, 73, 83**

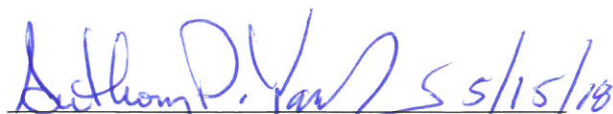
**-AND-**

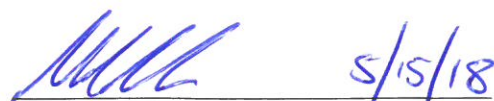
**AS-BUILT PLANS AND GEOTECHNICAL REPORT**

**-AND-**

**EXTENSION OF THE BID OPENING TO 2 P.M. ON MAY 23, 2018**

Issued by the Ohio Turnpike and Infrastructure Commission through Anthony D. Yacobucci, Chief Engineer, and Mark R. Musson, Director of Contracts Administration.

  
Anthony D. Yacobucci      Date 5/15/18

  
Mark R. Musson      Date 5/15/18

**ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 PM ON MAY 15, 2018:**

**Q#1 PBQs regarding Project 43-18-02: Reference 13 Concrete Walk is 2,870 SQ YD in the Bid Express file. The quantity in the plans is 2,870 SQ FT. Should the Unit of Measure be changed from SQ YD to SQ FT to reflect the correct quantity?**

*A#1 The unit is correctly stated as SQ FT in the plans. The Commission revises the Bid Schedule of Items and the Estimated Quantities Worksheet accordingly through this Addendum No. 1.*

**Q#2 Reference 73 Porous Backfill is 127 SQ YD in the Bid Express file. Typically this is bid by the CU YD. Could OTC please review and revise if necessary?**

*A#2 The correct unit is CU YD. The Commission revises the Bid Schedule of Items, the Estimated Quantities Worksheet and Plan Sheet No. 3 of 47 accordingly through this Addendum No. 1.*

**Q#3 For Ref. No. 15 Erosion Protection, please clarify what is work required for this item. Is there an allowance to be entered in the Lump Sum unit cost? Is a SWPPP required?**

*A#3 This Project will not seek coverage under the Ohio EPA General Permit for storm water discharges from construction activities. As such a SWPPP is not required. However, Special Provision SP112 requires the Contractor to "prevent and/or clean up the spillover of construction operations onto adjacent property, roadways, and waterways." Also under SP112, the Contractor is required to submit a written proposal on specific environmental pollution control methods and measures to be employed which, would include the use of sediment and erosion controls and where those controls will be placed. Payment for the controls installed and properly maintained on the project is provided under Ref. No. 15 as Lump Sum to account for the various methods and measures available to control the construction site spill over. Compensation for this Item will depend on the Contractor fulfilling the approved plan and the proper installation and maintenance of the sediment and erosion controls used.*

**Q#4 Do both existing bridges contain lead based paint?**

*A#4 The Commission has insufficient information to form a belief as to whether either bridge is coated with lead-based paint. See Section 2.1.4 of the Instructions to Bidders for the means available to schedule a site visit.*

**Q#5 Would the OTIC consider Class QC2 concrete for the bridge superstructures and abutment slabs in lieu of Class HP4 concrete? Ready-mix concrete suppliers in this region are more confident producing Class QC2.**

*A#5 Class QC2 concrete is acceptable as a replacement for Class HP4 concrete at no additional cost to the Commission. The Commission will revise the Contract Documents accordingly in Addendum No. 2*

**Q#6 For Ref. No. 83 Falsework, Temp Bracing and Protective Structures, the approximate quantity in the worksheet is 2 Lump Sum. Is it the intention to pay 2 LS or should the quantity be changed to 1 LS like all other LS items for this contract?**

*A#6 The correct value is a single lump sum. The Commission revises the Bid Schedule of Items and the Estimated Quantities Worksheet accordingly through this Addendum No. 1.*

**Q#7 Bid item 20- 12" Conduit, Type F: The plans and bid item list calls this out as Item 611 but there is an SP611 specification in the proposal to connect to SP611 catch basins. Please verify if this is to be ODOT 611 or OTIC SP611 specification.**

*A#7 SP 611 applies to this Work. The Commission revises the Plan Sheet 3 of 47, Bid Schedule of Items and the Estimated Quantities Worksheet accordingly through this Addendum No. 1.*

**Q#8 Bid item 24- Aggregate Base: based on typical sections on plan sheet 4 and 5, this quantity appears to be understated. Please review.**

*A#8 The Commission revises the estimated quantity for Item SP 304 on Plan Sheet 3 of 47, Bid Schedule of Items and the Estimated Quantities Worksheet to 912 CU YD through this Addendum No. 1.*

**Q#9 There is no subgrade compaction item for the Perrysburg-Holland approach roadways. Please add a bid item.**

*A#9 The Commission adds Pay Item 204, Subgrade Compaction, to Plan Sheet Nos. 3 and 7 of 47, the Bid Schedule of Items and the Estimated Quantities Worksheet accordingly through this Addendum No. 1.*

**Q#10 Bid item 1- Curb removed: most of this quantity is from Perrysburg-Holland Road, which actually has curb and gutter. Should there be two different bid items?**

*A#10 The Commission divides, Item 202, Curb Removed, into Item 202, Curb Removed and Item 202, Curb and Gutter Removed. Plan Sheet Nos. 3 of 47, the Bid Schedule of Items and the Estimated Quantities Worksheet accordingly through this Addendum No. 1.*

**Q#11 Plan sheet note under Seeding and Mulching lists eight work items related to Erosion Control. It appears they may be incidental to Seeding and Mulching. Considering these items may overrun/underrun, should these items have separate bid items?**

*A#11 Seeded areas and associated erosion control measures shall be paid under Item 659 Seeding and Mulching, and all labor, material, equipment and incidentals are considered incidental to Item 659 per the note on Plan Sheet No. 2 of 47.*

**Q#12 Regarding topsoil, will the contractor be allowed to use topsoil from existing slopes or will the contractor be required to import/supply offsite topsoil?**

*A#12 Any disturbed topsoil may be stockpiled for reuse.*

**Q#13 Reference 70 qty Sealing of Construction Joints has a quantity of 1,676 LF. Plan sheets 22 and 38 shows 2,203 LF for MP 59 and 574 LF for MP 84.4. This totals 2,777 LF. Please review and clarify or revise the bid quantity.**

*A#13 The 2203 LF appearing for the structure at MP 59 is incorrect. The correct quantity is 1,102 LF. Therefore, the 1,676 LF provided at Ref. No. 70 is correct. The Commission revises Plan Sheet 22 accordingly through this Addendum No. 1.*

**Q#14 The estimated quantities for Item 27 Asphalt Concrete Intermediate Course, Type 2 and Item 28 Asphalt Concrete Surface Course, Type 1 appear to be switched on the bid form. The quantities on the general summary appear to be correct. Can OTIC please provide clarification?**

*A#14 The quantities for Ref. Nos. 27 and 28 are transposed. The Commission revises the Bid Schedule of Items and the Estimated Quantities Worksheet accordingly through this Addendum No. 1.*

**Q#15 Could the existing bridge plans be made available online?**

*A#15 The Commission provides the as-built drawings with this Addendum No. 1 in accordance with Section 2.1.4 of the Instructions to Bidders.*

**A#16 Could the soil borings at bridge MP 59.9 Perrysburg Hollow bridge in order to price the pile driving and prebored holes adequately?**

*A#16 The Commission provides the geotechnical report with this Addendum No. 1 in accordance with Section 2.1.4 of the Instructions to Bidders.*

**Q#17 The Prebored Holes note on sheet 20/47 discusses preboring the abutment battered pile to avoid the existing piling in place. Based on the layout of the new/existing piling in the General Profile (Sheet 21/47) it appears that the pier piling have a higher probability of a conflict than the abutment battered piles. Also the quantities provided do not match up**

**with the # piles and length of piles. Could the bottom of the prebored hole elevations be provided?**

*A#17 The Commission provides the geotechnical report with this Addendum No. 1 in accordance with Section 2.1.4 of the Instructions to Bidders.*

**Q#18 There is no PCB setup for EB/WB to protect the traveling public from pier footer excavation, crane pile driving, and other pier work at MP59.0 Bridge. Could the OTIC add a bid item for Portable Concrete Barrier?**

*A#18 The Commission will respond to this question in Addendum No. 2.*

**Q#19 What costs are to be included under Bid item 15 Erosion Protection? The note on sheet 2/47 pertaining to Erosion Control discusses all cost being paid under Item 659 which is Seeding and Mulching. This item is setup as Item 670. Please clarify.**

*A#19 The Post Construction BMP Vegetated Biofilters for Item 670 is paid under Ref. No. 15, Erosion Protection.*

**Q#20 Sheet 9/47 Item 630 Signing Misc.: Additional Signs Ground Mounted, As Directed by the Engineer shows a quantity of 16 SF. The bid item and sheet 3/47 show 16 EA. Which is the correct unit of measure to bid this item?**

*A#20 The Commission will respond to this question in Addendum No. 2.*

**Q#21 Are pile points/shoes required due to the piling being driven to refusal on bedrock? If so, please add a bid item for this.**

*A#21 The Commission will respond to this question in Addendum No. 2.*

**Q#22 Ref No. 73 Porous Backfill w Geo Fabric has a unit of measure SQ.YD. Should this be a unit of measure CU. YD? Please clarify.**

*A#22 The CU. YD. unit is correct. The Commission revises Plan Sheet 3, the Bid Schedule of Items and the Estimated Quantities Worksheet accordingly through this Addendum No. 1.*

**Q#23 Plan sheet 29/47 describes shop painting the structural steel at Perrysburg Holland Rd and says the cost is included in Item 513 – Structural Steel, Type 4. One major cost component is the field touch up at the crossframes, splices, nicks from construction and other areas. We are assuming field touch up is included in the structural steel item as well. The field touch up will require nearly as much MOT as field painting. Shop prime/field paint will give the**

**OTC a more superior product with similar cost as shop applied/field touch up paint. Would the OTC consider removing the shop painting/field touch up requirement and shop prime/field painting the structural steel?**

*A#23 No. The Commission requires the application of paint as stated in the Plans.*

**Receipt of Addendum No. 1  
Project No. 43-18-02 is hereby acknowledged:**

(Firm Name) \_\_\_\_\_

(Signature) \_\_\_\_\_

(Printed Name) \_\_\_\_\_

(Date) \_\_\_\_\_

**BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT  
OF RECEIPT OF ADDENDUM NO. 1 WITH THEIR BID.**

OTC0007GG001.dwg: 5/14/18 - 10:49am

M.P.	M.P.	ITEM	GRAND TOTAL	UNIT	DESCRIPTION
59.0	84.4				ROADWAY
240	112	202	352	FOOT	CURB REMOVED
454		202	454	FOOT	CURB AND GUTTER REMOVED
967	148	202	1015	FOOT	GUARDRAIL REMOVED
2162		202	2162	SQ YD	PAVEMENT REMOVED
175		202	175	FOOT	FENCE REMOVED AND RESET
360		202	360	FOOT	CONCRETE BARRIER REMOVED
3644		203	3644	CU YD	EMBANKMENT
2140		203	2140	CU YD	EXCAVATION
2550		204	2550	SQ YD	SUBGRADE COMPACTION
191	324	204	515	SQ YD	1/2" PAVEMENT PLANING, ASPHALT CONCRETE
1460	50	606	1510	FOOT	GUARDRAIL, TYPE MGS WITH LONG STEEL POSTS
4	4	606	8	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1
2		606	2	EACH	ANCHOR ASSEMBLY MGS, TYPE T
2		606	2	EACH	ANCHOR ASSEMBLY MGS, TYPE E
2870		608	2870	SQ FT	4" CONCRETE WALK
					EROSION CONTROL
2381	62	659	2443	SQ YD	SEEDING AND MULCHING
LUMP		670	LUMP	LUMP SUM	EROSION PROTECTION
					DRAINAGE
2.3		601	3	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER
4		SP 611	4	EACH	CATCH BASIN, NO. CB-1
951		SP 605	951	FOOT	6" BASE PIPE UNDERDRAIN, WITH FABRIC WRAP (18")
87		SP 605	87	FOOT	6" UNDERDRAIN OUTLET PIPE
196		SP 611	196	FOOT	12" CONDUIT, TYPE F
4		611	4	EACH	PRECAST REINFORCED CONCRETE OUTLET
1	4	611	5	EACH	CATCH BASIN RECONSTRUCTED TO GRADE
					PAVEMENT
897		304	397	CU YD	ASPHALT CONCRETE BASE, PG64-22
912		SP 304	912	CU YD	AGGREGATE BASE
184	40	407	203	GAL	TACK COAT
82		407	82	GAL	TACK COAT FOR INTERMEDIATE LAYER
86	13	441	99	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
100	16	441	116	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
172		526	172	FOOT	TYPE A INSTALLATION
355		526	355	SQ YD	REINFORCED CONCRETE APPROACH SLAB (T=15")
355		609	355	FOOT	CURB, TYPE 2-A
	112	609	112	FOOT	CURB, TYPE 4-C
228		609	228	FOOT	CURB, TYPE A
400	3	617	3	CU YD	COMPACTED AGGREGATE
72		617	400	SQ YD	SHOULDER PREPARATION
		846	72	CU FT	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
					TRAFFIC CONTROL
2		630	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION
16		630	16	FOOT	GROUND MOUNTED SUPPORT, NO. 3 POST
16		630	16	EACH	SIGNING MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY THE ENGINEER
0.3	0.12	642	0.42	MILE	EDGE LINE, 4"
0.3		642	0.30	MILE	LANE LINE, 4"
0.15	0.06	642	0.21	MILE	CENTER LINE
					GENERAL
LUMP	LUMP	IB.ART.6	LUMP	LUMP SUM	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND
5		614	5	EACH	REPLACEMENT SIGN
LUMP	LUMP	SP 614	LUMP	LUMP SUM	MAINTAINING TRAFFIC
LUMP	LUMP	SP 619	LUMP	LUMP SUM	FIELD OFFICE
LUMP	LUMP	SP 623	LUMP	LUMP SUM	CONSTRUCTION LAYOUT SURVEY
LUMP	LUMP	624	LUMP	LUMP SUM	MOBILIZATION

M.P.	M.P.	ITEM	GRAND TOTAL	UNIT	DESCRIPTION
59.0	84.4				STRUCTURES
LUMP		202	LUMP	LUMP SUM	STRUCTURE REMOVED
180		202	180	SQ YD	APPROACH SLAB REMOVED
LUMP	LUMP	SP 202	LUMP	LUMP SUM	PORTION OF STRUCTURE REMOVED
LUMP		503	LUMP	LUMP SUM	UNCLASSIFIED EXCAVATION
LUMP		505	LUMP	LUMP SUM	PILE DRIVING EQUIPMENT MOBILIZATION
7660		507	7660	FOOT	STEEL PILES HP10X42, FURNISHED
7265		507	7265	FOOT	STEEL PILES HP10X42, DRIVEN
2730		507	2730	FOOT	PREBORED HOLES
	100	509	100	POUND	REPLACEMENT OF EXISTING REINFORCING STEEL
205,504	57,805	SP 509	263,309	POUND	EPOXY COATED REINFORCING STEEL, GRADE 60
	36	510	36	EACH	DOWEL HOLES WITH NON-SHRINK, NON-METALLIC GROUT
2		511	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE
238		511	238	CU YD	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING
67		511	67	CU YD	CLASS QC1 CONCRETE, PIER ABOVE FOOTING
56		511	56	CU YD	CLASS QC1 CONCRETE, FOOTING
700	175	SP 511B	875	CU YD	CLASS HP4 CONCRETE, SUPERSTRUCTURE DECK SLAB
141	69	SP 511B	210	CU YD	CLASS S CONCRETE, BARRIERS AND PARAPETS, USING TYPE 1 CEMENT
	20	SP 511B	20	CU YD	CLASS HP4 CONCRETE, ABUTMENT SLABS
4	4	SP 511B	8	CU YD	CLASS HP4 CONCRETE, FOR PREPLACEMENT TESTING
655,544		513	655,544	POUND	STRUCTURAL STEEL MEMBERS, LEVEL 4
7,616	3,170	513	10,786	EACH	WELDED STUD SHEAR CONNECTORS
28		516	28	SQ FT	1" PREFORMED EXPANSION JOINT FILLER
182		516	182	SQ FT	2" PREFORMED EXPANSION JOINT FILLER
214		516	214	FOOT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL
14		516	14	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (ABUTMENTS), AS PER PLAN
7		516	7	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (PIER), AS PER PLAN
	36	SP 516A	36	FOOT	CRACK REPAIR USING EPOXY INJECTION
1,102	574	SP 516B	1,676	FOOT	SEALING OF CONSTRUCTION JOINTS
	20	SP 516G	20	EACH	REPLACE EXPANSION BEARING DEVICE
	10	SP 516J	10	EACH	REPLACE FIXED BEARING DEVICE
127		518	127	CU YD	POROUS BACKFILL WITH GEOTEXTILE FABRIC
194		518	194	FOOT	6" PERFORATED CORRUGATED PLASTIC PIPE
40		518	40	FOOT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE
	38	SP 519	38	SQ FT	PATCHING OF CONCRETE STRUCTURES
1		523	1	EACH	DYNAMIC LOAD TESTING
LUMP		SP 525	LUMP	LUMP SUM	WORKER PROTECTION
10		SP 525	10	EACH	PROTECTIVE CLOTHING/EQUIPMENT SET
LUMP		SP 525	LUMP	LUMP SUM	ESTABLISH REGULATED AREAS
LUMP		SP 525	LUMP	LUMP SUM	PAINT WASTE/HAZARDOUS WASTE CLASSIFICATION, HANDLING AND DISPOSAL
LUMP		SP 525	LUMP	LUMP SUM	CONTAINMENT SYSTEM
LUMP	LUMP	SP 527	LUMP	LUMP SUM	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES
	65	SP 533	65	FOOT	3" CONTINUOUS STRIP SEAL IN STRUCTURAL STEEL JOINT
1,875	65	SP 533A	65	FOOT	1 1/2" ELASTOMERIC COMPRESSION SEAL IN STRUCTURAL STEEL JOINT
333	399	SP 536	732	SQ YD	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS, AND APPROACH SLABS
76		601	76	CU YD	CONCRETE WEATHERPROOFING, SUBSTRUCTURE
					CRUSHED AGGREGATE SLOPE PROTECTION
318		SP 607	318	FOOT	TYPE I FENCE, ALL ALUMINUM (9'-0" CHAIN LINK WITH SPECIALS)
318	475	SP 607	793	FOOT	TYPE II FENCE, ALL ALUMINUM (6'-0" CHAIN LINK WITH SPECIALS)

DESIGN AGENCY: **Mentek** (Logo: MENTEK GROUP INC. 1000 INDIAN WOOD CIRCLE, WAHLEE, OHIO 4307)

BY DATE: **CLD 05/18**

REVISIONS: **ADDENDUM 1**

CHECKED: **CEB** (Logo: CEB) IN CHARGE: **RCH**

DESIGNED: **ALT** DRAWN: **ALT**

NO. **1**

GENERAL SUMMARY

PROJECT **43-18-02** DATE: **01/29/18**

M.P. 59.0 & M.P. 84.4

LUCAS AND SANDUSKY COUNTY

**OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION** (Logo: OHIO TURNPIKE)

3 / 47

## ESTIMATED QUANTITIES

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION
202	LUMP	LUMP SUM	STRUCTURE REMOVED
202	180	SQ. YD.	APPROACH SLAB REMOVED
503	LUMP	LUMP SUM	UNCLASSIFIED EXCAVATION
505	LUMP	LUMP SUM	PILE DRIVING EQUIPMENT MOBILIZATION
507	7660	FOOT	STEEL PILES HP10X42, FURNISHED
507	7265	FOOT	STEEL PILES HP10X42, DRIVEN
507	2730	FOOT	PREBORED HOLES
SP 509	205504	POUND	EPOXY COATED REINFORCING STEEL
511	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE
SP 511B	700	CU. YD.	CLASS HP4 CONCRETE, SUPERSTRUCTURE DECK SLAB
SP 511B	4	CU. YD.	CLASS HP4 CONCRETE, FOR PRE-PLACEMENT TESTING
SP 511B	141	CU. YD.	CLASS S CONCRETE, BARRIERS AND PARAPETS, USING TYPE 1 CEMENT
511	238	CU. YD.	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING
511	67	CU. YD.	CLASS QC1 CONCRETE, PIER ABOVE FOOTING
511	56	CU. YD.	CLASS QC1 CONCRETE, FOOTING
513	655544	POUND	STRUCTURAL STEEL MEMBERS, LEVEL 4
513	7616	EACH	WELDED STUD SHEAR CONNECTORS
516	28	SQ. FT.	1" PREFORMED EXPANSION JOINT FILLER
516	182	SQ. FT.	2" PREFORMED EXPANSION JOINT FILLER
516	214	FOOT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL
SP 516B	1102	FOOT	SEALING OF CONSTRUCTION JOINTS
516	14	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (ABUTMENTS)
516	7	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (PIER)
518	127	CU. YD.	POROUS BACKFILL WITH GEOTEXTILE FABRIC
518	194	FOOT	6" PERFORATED CORRUGATED PLASTIC PIPE
518	40	FOOT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS
523	1	EACH	DYNAMIC LOAD TESTING
SP 525	LUMP	LUMP SUM	WORKER PROTECTION
SP 525	10	EACH	PROTECTIVE CLOTHING/EQUIPMENT SET
SP 525	LUMP	LUMP SUM	ESTABLISH REGULATED AREAS
SP 525	LUMP	LUMP SUM	PAINT WASTE/HAZARDOUS WASTE CLASSIFICATION, HANDLING AND DISPOSAL
SP 525	LUMP	LUMP SUM	CONTAINMENT SYSTEM
SP 527	LUMP	LUMP SUM	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES
SP 536	333	SQ. YD.	CONCRETE WEATHERPROOFING, SUBSTRUCTURE
SP 536	1875	SQ. YD.	CONCRETE WEATHERPROOFING, DECK AND APPROACH SLABS
601	76	SQ. YD.	CRUSHED AGGREGATE SLOPE PROTECTION
SP 607	318	FOOT	TYPE I FENCE, ALL ALUMINUM (9'-0" CHAIN LINK WITH SPECIALS)
SP 607	318	FOOT	TYPE II FENCE, ALL ALUMINUM (6'-0" CHAIN LINK WITH SPECIALS)

MP59\_0\_4829663\_Estimated Quantities.dwg; 2/14/18 - 3:25pm

 DESIGN AGENCY Mannik Group 10000 INDIAN WOOD CIRCLE MAUMEE, OHIO 43537	PROJECT 43-18-02 DATE: 01/29/18	ESTIMATED QUANTITIES PERRYSBURG-HOLLAND ROAD OVER THE OHIO TURNPIKE LUCAS COUNTY M.P. 59.0	OHIO TURNPIKE COMMISSION	OHIO TURNPIKE
REVISIONS NO. 1 ADDENDUM 1	CHECKED TLR IN CHARGE	DESIGNED RJS DRAWN	BY DATE CLD 05/18	2 / 16 22 / 47



ALL ITEM NUMBERS ARE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS UNLESS NOTED OTHERWISE. ITEM NUMBERS WITH THE SP PREFIX ARE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION SPECIAL PROVISIONS

ROADWAY SUBSUMMARY														
STATION	SIDE	202	202	202	202	202	202	204	606	606	606	608		
		GUARDRAIL REMOVED	CURB REMOVED	CURB AND GUTTER REMOVED	PAVEMENT REMOVED	FENCE REMOVED AND RESET	CONCRETE BARRIER REMOVED	SUBGRADE COMPACTION	GUARDRAIL TYPE MGS WITH LONG STEEL POSTS	BRIDGE TERMINAL ASSEMBLY MGS, TYPE 1	ANCHOR ASSEMBLY MGS, TYPE T	ANCHOR ASSEMBLY MGS, TYPE E	CONCRETE WALK	
FROM	TO	FOOT	FOOT	FOOT	SQ YD	FOOT	FOOT	SQ YD	FOOT	EACH	EACH	EACH	SQ FT	
6+15.90	7+50.00	LT	134						134					
6+30.00	7+50.00	RT	120						120					
7+50.00	8+74.83	LT	124						77	1				
7+50.00	8+24.60	RT	75						17	1				
11+75.82	12+50.00	LT	74						21	1				
11+27.08	12+50.00	RT	123						81	1				
12+50.00	13+89.87	LT	140						140					
12+50.00	13+26.32	RT	76						76					
6+15.90	7+50.00	LT/RT		268	715			864					805	
7+50.00	8+30.76	RT		81	178	12		211						
7+50.00	8+54.74	LT		105	233	30		282						
11+50.15	12+50.00	RT		100	249	35		293						
11+72.64	12+50.00	LT			196	98		191						
12+50.00	13+89.87	LT/RT		140	591			709					839	
7+50.00	8+63.92	RT											542	
11+36.08	12+50.00	RT											684	
556+98.78	557+48.79	RT									1			
557+48.78	561+45.28	RT						397						
561+45.28	561+57.78	RT								1				
560+48.78	560+61.28	LT								1				
560+61.28	564+57.78	LT						397						
564+57.78	565+07.78	LT									1			
559+65.00	561+50.00	LT	50					180						
560+25.00	562+10.00	RT	50					180						
TOTALS CARRIED TO GENERAL SUMMARY			967	240	454	2162	175	360	2550	1460	4	2	2	2870

PAVEMENT SUBSUMMARY														
STATION	SIDE	301	SP304	407	407	441	441	526	526	609	609	617	846	
		ASPHALT CONCRETE BASE PG64-22	AGGREGATE BASE	TACK COAT	TACK COAT FOR INTERMEDIATE LAYER	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22	ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2, (448), PG64-22	REINFORCED CONCRETE APPROACH SLAB (T-15')	TYPE A INSTALLATION	CURB, TYPE 2-A	TYPE A CURB	SHOULDER PREPARATION	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
FROM	TO	CU YD	CU YD	GAL	GAL	CU YD	CU YD	SQ YD	SQ YD	FOOT	FOOT	SQ YD	CU FT	
6+15.90	7+50.00	LT/RT	139.1	268.2	64.4	28.7	29.8	34.8		268.2				
7+50.00	8+63.92	LT	59.1	114.0	27.4	12.2	12.7	14.8						
7+50.00	8+36.35	RT	44.8	86.4	20.8	9.3	9.6	11.2		86.4				
8+36.35	11+62.25	LT/RT		60				355	172				72	
11+62.25	12+50.00	LT	45.5	79.9	21.1	9.4	9.8	11.4			87.8			
11+36.08	12+50.00	RT	59.1	84.4	27.4	12.2	12.7	14.8						
12+50.00	13+89.87	LT/RT	48.7	219.1	22.6	10.1	10.5	12.2		139.9				
560+00.00	562+00.00	LT/RT									400			
TOTALS CARRIED TO GENERAL SUMMARY			397	912	184	82	86	100	355	172	355	228	400	72

DRAINAGE SUBSUMMARY									
STATION	SIDE	601	SP611	SP605	SP605	SP611	611	611	
		ROCK CHANNEL PROTECTION TYPE C, WITHOUT FILTER	CATCH BASIN, NO. CB-1	6" BASE PIPE UNDERDRAIN, WITH FABRIC WRAP (18")	6" UNDERDRAIN OUTLET PIPE	12" CONDUIT, TYPE F	PRECAST REINFORCED CONCRETE OUTLET	CATCH BASIN, RECONSTRUCTED TO GRADE	
FROM (OR AT)	TO	CU YD	EACH	FOOT	FOOT	FOOT	EACH	EACH	
7+91.04		RT	0.56	1			58		
8+51.28		LT	0.56	1			46		
11+43.61		RT	0.56	1			43		
12+03.85		LT	0.56	1			49		
6+15.90	7+50.00	LT/RT			269	43		2	
7+50.00	8+63.92	LT			114				
7+50.00	8+36.35	RT			86				
11+62.25	12+50.00	LT			88				
11+36.08	12+50.00	RT			114			1	
12+50.00	13+89.87	LT/RT			280	44		2	
TOTALS CARRIED TO GENERAL SUMMARY			2.3	4	951	87	196	4	1

TRAFFIC CONTROL SUBSUMMARY									
STATION	SIDE	630	630	642	642	642			
		REMOVAL OF GROUND MOUNTED SIGN AND REFECTION	GROUND MOUNTED SUPPORT, NO. 3 POST	EDGE LINE, 4"	LANE LINE	CENTER LINE			
FROM	TO	EACH	FOOT	MILE	MILE	MILE			
6+15.90	7+50.00	LT/RT			0.051	0.051	0.025		
7+50.00	12+50.00	LT/RT			0.189	0.189	0.095		
12+50.00	13+89.87	LT/RT			0.053	0.053	0.026		
7+12.90		LT	1						
7+12.90		LT		15.25					
7+52.56		LT	1						
TOTALS CARRIED TO GENERAL SUMMARY			2	16	0.3	0.3	0.15		

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PROJECT 43-18-02  
DATE: 01/29/18

SUBSUMMARY  
PERRYSBURG-HOLLAND ROAD OVER OHIO TURNPIKE  
LUCAS COUNTY  
M.P. 59

DESIGN AGENCY  
Mainline Group  
MAINTENANCE OHIO 0827

BY DATE  
CLD 05/18

NO. 1  
REVISIONS  
ADDENDUM 1

CHECKED  
CEB  
IN CHARGE

DESIGNED  
BAT  
DRAWN

NO. 1  
RCH

CLD

7  
47

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION