

**OHIO TURNPIKE AND  
INFRASTRUCTURE COMMISSION**

**ADDENDUM NO. 1**

**PROJECT NO. 39-16-02 (PART A)  
RIGHT TWO LANES AND SHOULDER RECONSTRUCTON  
MILEPOST 186.35 TO MILEPOST 191.39  
PORTAGE COUNTY, OHIO**

**PROJECT NO. 39-16-02 (PART B)  
BRIDGE REPAIR & REHABILITATION  
OHIO TURNPIKE OVER CUYAHOGA RIVER MILEPOST 191.40  
PORTAGE COUNTY, OHIO**

**OPENING DATE *EXTENDED*: 2:00 P.M. (EASTERN), ~~NOVEMBER 30~~ *DECEMBER 2*, 2015**

**ALL BIDS MUST BE ELECTRONICALLY SUBMITTED THROUGH BID EXPRESS**

**ATTENTION OF BIDDERS IS DIRECTED TO:**

**QUESTIONS AND ANSWERS RECEIVED THROUGH 12PM ON NOVEMBER 18, 2015**

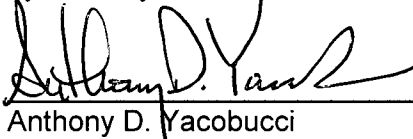
**REVISIONS TO THE CONTRACT DOCUMENTS**

Cover Page and Notice to Bidders

Bid Form

Plan Sheet Nos. 16 and 188

Issued by the Ohio Turnpike and Infrastructure Commission on November 18, 2015. Issuance authorized by Anthony D. Yacobucci, Chief Engineer, and Mark R. Musson, Director of Contract Administration.

  
Anthony D. Yacobucci      11/18/15  
Date

  
Mark R. Musson      11/18/15  
Date

**OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION  
ADDENDUM NO. 1  
PROJECT NO. 39-16-02 (PART A & PART B)**

**QUESTIONS AND ANSWERS THROUGH 12PM ON NOVEMBER 18, 2015:**

**Q#1 Please consider changing the bid date, November 30th is the Monday following the Thanksgiving holiday weekend. Subcontractor and supplier price quotes will not be received until the day of the bid, making it very difficult to finish the bid in time. Thanks for the consideration.**

*A#1 With this Addendum No. 1, the Bid Opening date is extended to December 2, 2015 at 2PM. However, to ensure the timely selection of the lowest responsive and responsible bidder, provide all additional questions before the close of business on Tuesday, November 24, 2015.*

**Q#2 Please consider extending the bid date by a few days due to the holiday weekend. Right now it is scheduled for the Monday after Thanksgiving weekend. This will make it extremely difficult to get all of our subcontract quotes together since the majority of the contractors will not be available Thursday or Friday of Thanksgiving week.**

*A#2 See the response to Q#1.*

**Q#3 Could the Commission please review the quantities for undercutting and replacing subgrade soils for used as described in Section E.3, as stated on plan page 16 of 371.**

**Item 204 Excavation is 178 CY  
Item 204 Subgrade Compaction is 227 SY  
Geogrid items 204 and 861 are both 227 SY**

*A#3 The above-identified quantities in the Contract Documents are correct.*

**Q#4 SP 304 Granular material is 6,560 tons. Is this correct? Based on the Subgrade Compaction area this material would be 43 feet thick. If this quantity is correct, could you please provide more details about the item intention?**

*A#4 With this Addendum No. 1, the Bid Form and Plan Sheet Nos. 16 and 188 are modified to reflect the correct SP 304 Granular Material as 360 Tons. The intent of these contingency quantities is to repair areas where subgrade stabilization using Cement was not successful based on the results of a proof roll following stabilization.*

**Q#5 For the asphalt alternate, Reference No. 260 (ASPHALT CONCRETE BASE, PG 64-22 (T = 11" PAVEMENT)(BASE BID)) it calls for an 11" asphalt base pavement thickness. For the concrete alternate, Reference No. 265 (CONCRETE BASE (12" )(ALTERNATE BID)) it calls for a 12" concrete base pavement thickness. Why is the asphalt thickness less than the concrete thickness for these alternates? Shouldn't they be the same thickness or the asphalt be thicker? Is this a mistake?**

*A#5 The pavement designs are based on the AASHTO and ODOT pavement design guidelines and standard inputs. The pavement thicknesses are correct as shown in the plans.*

**Q#6 With the holiday the week before it makes bidding significantly more difficult as it is harder to obtain subcontractor and material pricing. Please consider pushing the bid opening at least one week so it is not right after a holiday weekend and a more responsible and accurate bid can be provided.**

A#6 See the response to Q#1.

**MODIFICATIONS TO THE CONTRACT DOCUMENTS**

Changes are made to the Contract Documents for Contract No. 39-16-02 (PART A & PART B) as follows with deletions are depicted using ~~strikethrough~~ text and Changes/Additions are signified using ***bold italicized*** text:

**Modifications to the Notice to Bidders and Cover Sheet:**

Cover Sheet and Notice to Bidders Page OTC-NB-2 are modified to extend the Bid Opening date from 2:00 P.M. (Eastern Time) ~~November 30~~, 2015 to 2:00 P.M. (Eastern Time) ***December 2***, 2015.

**Modifications to Bid Form Schedule of Items:**

The Bid Form is modified to correct the estimated quantity provided at Ref. No. 119 for Item SP 304 from ~~6560 CU YD~~ to ***360 Ton***.

The Bid Form is modified at the Eastbound and Westbound deduct alternate items to correct the mistaken bottom-line offer and summation references to the ~~Temporary Access Proposal~~ to refer to the ***Eastbound Waste Site Deduct Alternate*** Proposal and the ***Westbound Waste Site Deduct Alternate*** Proposal, respectively.

The Bid Form is modified at the Temporary Access Deduct Alternate with a non-substantive change to maintain a consistent reference to the ***Deduct Alternate Proposal***.

**Modifications to Plan Sheets:**

Plan Sheet No. 16 of 371 is modified to correct the quantity

Plan Sheet No. 188 of 371 is modified to correct the quantity reference to Plan Sheet No. 16 and the Grand Total quantity of Item 304 from ~~6560 Ton~~ to ***360 Ton***.

Addendum No. 1 to Contract 39-16-02 (PART A & PART B):

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

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

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

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

**PROJECT NO. 39-16-02 EXCEL WORKSHEET**

PAGE 6

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		<b>39-16-02A - PAVEMENT (Ref. Nos. 107 - 133)</b>				
107	206	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN	228,500	SQ YD		
108	206	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	8,000	SQ YD		
109	206	CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP	4,000	SQ YD		
110	206	CEMENT	6,180	TON		
111	206	CURING COAT	14,280	GAL		
112	206	TEST ROLLING	140	HOUR		
113	251	PARTIAL DEPTH PAVEMENT REPAIR	600	SQ YD		
114	252	FULL DEPTH PAVEMENT SAWING	52,822	FT		
115	254	PAVEMENT PLANING, ASPHALT CONCRETE (T=2")	173,278	SQ YD		
116	254	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH)	1710	SQ YD		
117	255	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT	600	SQ YD		
118	255	FULL DEPTH PAVEMENT SAWING	400	FT		
119	SP 304	GRANULAR MATERIAL	<b>360</b>	<b>TON</b>		
120	SP 304	AGGREGATE BASE	27,253	CU YD		
121	SP 304	AGGREGATE BASE (SHOULDER)	16,676	CU YD		
122	SP 402	ASPHALT CONC. BASE COURSE OR RECYCLED ASPHALT CONC. BASE COURSE, PG64-22	2,746	CU YD		
123	SP 402	ASPHALT CONC. BASE COURSE OR RECYCLED ASPHALT CONC. BASE COURSE, PG70-22 (FR)	8,027	CU YD		
124	SP 403	ASPHALT CONCRETE LEVELING COURSE, PG 70-22 (1/2")	1,206	CU YD		
125	SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22	7,148	CU YD		
126	SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG70-22 (FR)	10,499	CU YD		
127	SP 404A	JOINT SEALER	62,922	FT.		
128	423	CRACK SEALING, TYPE 1	23,300	LB		
129	617	SHOULDER PREPARATION	17,384	SQ YD		
130	SP 617	COMPACTED AGGREGATE	620	CU YD		
131	SP 627	STONE SHOULDER PROTECTION	92	TON		
132	SPECIAL	SONIC NAP ALERT PATTERN (SNAP)	20	MILE		
133	SPECIAL	PRESSURE RELIEF JOINT, TYPE A, AS PER PLAN	222	FT.		
<b>TOTAL - 39-16-02A - PAVEMENT</b>						

**PROJECT NO. 39-16-02 EXCEL WORKSHEET**

<b>PROJECT 39-16-02 - TOTAL BASE BID (REF. No. 1 THRU REF. No. 256)</b>	\$
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<b>PROJECT 39-16-02 - TOTAL BASE BID PLUS ASPHALT ALTERNATE (REF. No. 1 THRU REF. No. 256 plus No. 257 THRU No. 261)</b>	\$
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<b>PROJECT 39-16-02 - TOTAL BASE BID PLUS CONCRETE ALTERNATE (REF. No. 1 THRU REF. No. 256 plus No. 262 THRU No. 266)</b>	\$
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**NOTE: Bidders must complete following information below.**

<b><u>EASTBOUND WASTE SITE DEDUCT ALTERNATE</u></b>	
The Bidder may deposit waste material from the 39-16-02 Project in the infield of Toll Plaza 187 as described on Project No. 39-16-02 Part A, Insert Sheet 2 of 3. Such deduct alternate must be submitted with the Bidder's Bid, and all the requirements to fulfill the Alternate Work as described in the Plans. The Bidder must fill in "yes" or "no" in the space provided below as to whether a Waste Site Proposal is included with the Bid and must also enter an amount to be deducted from the Total Base Bid as a credit due to the Commission, should this Proposal be approved. (Refer to Articles 2.6.3 and 3.5.1 of the INSTRUCTIONS TO BIDDERS)	
A <b><i>Eastbound Waste Site Deduct Alternate</i></b> Proposal is included in the Bid Submittal: _____. (yes or no)	
Amount of <b><i>EASTBOUND WASTE SITE DEDUCT ALTERNATE</i></b> : \$	

<b><u>WESTBOUND WASTE SITE DEDUCT ALTERNATE</u></b>	
The Bidder may deposit waste material from the 39-16-02 Project along the WB slope from Sta. 266+00 to Sta. 280+00 as described on Project No. 39-16-02 Part A, Insert Sheet 3 of 3. Such deduct alternate must be submitted with the Bidder's Bid, and all the requirements to fulfill the Alternate Work as described in the Plans. The Bidder must fill in "yes" or "no" in the space provided below as to whether a Waste Site Proposal is included with the Bid and must also enter an amount to be deducted from the Total Base Bid as a credit due to the Commission, should this Proposal be approved. (Refer to Articles 2.6.3 and 3.5.1 of the INSTRUCTIONS TO BIDDERS)	
A <b><i>Westbound Waste Site Deduct Alternate</i></b> Proposal is included in the Bid Submittal: _____. (yes or no)	
Amount of <b><i>WESTBOUND WASTE SITE DEDUCT ALTERNATE</i></b> : \$	

<b><u>TEMPORARY ACCESS DEDUCT ALTERNATE</u></b>	
The Bidder may request permission to construct one (1) or more Temporary Access entrances or exits at a site or sites of its own choice. Such Deduct Alternate request must be submitted with the Bidder's Bid, and must include the information specified in SP 104 and will be considered subject to the conditions and provisions contained in said SP 104. The Bidder must fill in "yes" or "no" in the space provided below as to whether a Temporary Access Proposal is included with the Bid and must also enter an amount to be deducted from the Total Base Bid as a credit due to the Commission, should <b><i>this Proposal</i></b> be approved. (Refer to Articles 2.6.3 and 3.5.1 of the INSTRUCTIONS TO BIDDERS)	
A Temporary Access <b><i>Deduct Alternate</i></b> Proposal is included in the Bid Submittal: _____. (yes or no)	
Amount of <b><i>TEMPORARY ACCESS DEDUCT ALTERNATE</i></b> : \$	

**Item No.'s that do not have an IB or SP designation are Items drawn from the 2010 ODOT CMS except for items that are designated in the plans to use the 2013 ODOT CMS. Bidders should refer to the appropriate ODOT CMS for information and guidance concerning these Items.**

ITEM 206 - CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN  
THIS WORK SHALL COMPLY WITH ALL REQUIREMENTS SPECIFIED IN ITEM 206 - CHEMICALLY STABILIZED SUBGRADE OF ODOT 2013 CMS EXCEPT AS NOTED BELOW:

ITEM 206.03 SUBMITTALS: MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS IS NOT REQUIRED BY THE CONTRACTOR.

ITEM 206.05 CONSTRUCTION

A. SPREADING - USE AN APPLICATION RATE OF 4% PORTLAND CEMENT BY DRY UNIT WEIGHT. THE APPLICATION RATE WILL VARY DEPENDING ON THE IN-SITU DRY UNIT WEIGHT OF THE SOIL. QUANTITIES FOR PORTLAND CEMENT STABILIZATION ARE BASED ON AN IN-SITU DRY UNIT WEIGHT OF 120 LBS/FT<sup>3</sup>.

B. CURING - THE TREATED AREA SHALL BE SHAPED TO THE REQUIRED LINES, GRADES, AND CROSS-SECTION AND FINAL COMPACTION USING A SMOOTH DRUM ROLLER WEIGHING AT LEAST 10 TONS AND SHALL CONTINUE UNTIL UNIFORM AND THE REQUIRED COMPACTION IS OBTAINED. UNIFORMLY APPLY CURING COAT ON THE SURFACE OF THE CHEMICALLY STABILIZED SOIL SUBGRADE. COMPLETED SECTIONS OF THE STABILIZED SUBGRADE THAT ARE USED DURING THE CONSTRUCTION OF ADJOINING SECTIONS SHALL BE PROTECTED TO PREVENT EQUIPMENT FROM MARRING OR DAMAGING THE COMPLETED WORK. THE STABILIZED SOIL SUBGRADE SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC UNTIL ACCEPTANCE OF THE STABILIZED SOIL SUBGRADE. THE ACCEPTANCE OF THE STABILIZED SOIL SUBGRADE WILL BE EVALUATED AFTER 72 HOURS OF CURING AS DETERMINED IN ITEM E - PROOF ROLLING. SUFFICIENT PROTECTION FROM FREEZING SHALL BE GIVEN TO THE CHEMICALLY STABILIZED MATERIAL FOR 7 DAYS AFTER ITS CONSTRUCTION OR AS APPROVED BY THE CHIEF ENGINEER. THE CONTRACTOR SHALL REPAIR ANY STABILIZED SOIL SUBGRADE CAUSED BY CONSTRUCTION TRAFFIC AND OPERATIONS AT THE CONTRACTOR'S OWN COST. THE CONTRACTOR SHALL SUBMIT THE PROPOSED SUBGRADE REPAIR METHOD TO THE CHIEF ENGINEER FOR APPROVAL.

C. PROOF ROLLING - AFTER THE INITIAL 72-HOUR CURE PERIOD AND AT THE CONTRACTOR'S REQUEST, THE COMMISSION'S AGENT WILL USE A DUAL-MASS DYNAMIC CONE PENETROMETER (DCP) TO MEASURE THE PENETRATION RATE (PR) IN MM/BLOW OF THE STABILIZED SOIL SUBGRADE THROUGH THE TOTAL TREATMENT DEPTH. TESTING SHALL BE CONDUCTED EVERY 200 LINEAR FEET.

1. IF THE AVERAGE PR IS ABOVE 8 MM/BLOW THE CURE PERIOD SHALL BE EXTENDED FOR 2 DAYS FOLLOWED BY TEST ROLLING PER ODOT ITEM 206.
2. IF THE AVERAGE PR IS 8 MM/BLOW OR LOWER THE CONTRACTOR SHALL PROCEED WITH TEST ROLLING PER ODOT ITEM 206 FOR FINAL ACCEPTANCE OF THE STABILIZED SUBGRADE.

D. PROTECTION - ALL THE PROVISIONS OF 206.05 PARAGRAPH F APPLY AS WELL AS THE FOLLOWING: COMPLETED AND ACCEPTED PORTIONS OF THE STABILIZED SOIL SUBGRADE THAT ARE TRAVELED ON BY EQUIPMENT USED IN CONSTRUCTING ANY OTHER SECTION, OR ANY OTHER WORK, SHALL BE PROTECTED IN SUCH A MANNER AS TO PREVENT EQUIPMENT AND OPERATIONS FROM MARRING OR DAMAGING THE SUBGRADE IN ANY WAY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGE AND IS REQUIRED TO REPAIR THE STABILIZED SOIL SUBGRADE THAT ARISES DUE TO HIS OPERATIONS.

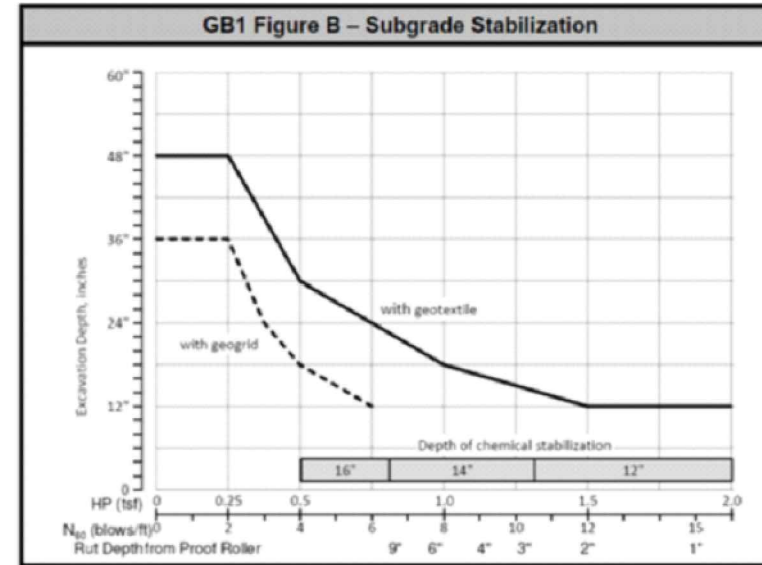
E. IN CASES WHERE SUBGRADE STABILITY USING SOIL STABILIZATION IS NOT EFFECTIVE AS DETERMINED BY PROOF ROLLING AND CONCURRENCE BY THE CHIEF ENGINEER, THE AREA SHALL BE REPAIRED BY ONE OF THE FOLLOWING OPTIONS AS DETERMINED BY THE CHIEF ENGINEER:

1. EXCAVATE THE TOP 14 INCHES OF SUBGRADE MATERIAL AND STOCKPILE THE EXCAVATED MATERIAL. IN THE EXCAVATION PERFORM SOIL STABILIZATION ON THE NEWLY EXPOSED SOIL AT THE APPLICATION RATE STATED IN PLAN NOTE ITEM 206.05.A WITH A TREATMENT DEPTH OF 14 INCHES. COMPACT THE SOIL STABILIZATION IN ACCORDANCE WITH ODOT ITEM 206. BACKFILL THE EXCAVATION WITH THE EXCAVATED MATERIAL AND PERFORM SOIL STABILIZATION AT THE APPLICATION RATE STATED IN PLAN NOTE ITEM 206.06.A WITH A TREATMENT DEPTH OF 14 INCHES. COMPACT THE SOIL STABILIZATION IN ACCORDANCE WITH ODOT ITEM 206. LIMITS OF THE REPAIR SHALL BE DETERMINED BY THE CHIEF ENGINEER.
2. PERFORM SOIL STABILIZATION IN ACCORDANCE WITH PLAN SHEET ITEM 206.05 EXCEPT USE AN APPLICATION RATE OF 6% PORTLAND CEMENT (WITH AN IN-SITU DRY UNIT WEIGHT OF 120 PCF) AND A TREATMENT DEPTH OF 16 INCHES.

ITEM 206 - CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN - CONTINUED

3. UNDERCUT USING THE FOLLOWING CHART FROM ODOT GEOTECHNICAL BULLETIN 1, BASED ON THE RUT DEPTH FROM PROOF ROLLING:

- a. IF THE REPLACEMENT IS LESS THAN 16 INCHES IN DEPTH, PLACE GEOGRID AT THE BOTTOM OF THE EXCAVATION.
- b. IF THE REPLACEMENT IS 16 INCHES OR GREATER, PLACE THE GEOGRID IN THE MIDDLE OF THE GRANULAR MATERIAL AND THE GEOTEXTILE FABRIC ON THE BOTTOM OF THE EXCAVATION.



F. SOIL-STABILIZATION AT CULVERTS

1. BOX CULVERTS WHERE DEPTH OF COVER IS GREATER THAN 4 FEET:  
CHEMICALLY STABILIZE ACCORDING TO PROJECT DOCUMENTS
2. BOX CULVERTS WHERE DEPTH OF COVER IS BETWEEN 2-4 FEET:  
EXCAVATE 12 INCHES OF THE EXPOSED SOIL SUBGRADE FROM THE BOX CULVERT TO A DISTANCE 20 FEET LONGITUDINALLY ON EACH SIDE (FORWARD AND REAR). SPREAD THE EXCAVATED SOIL AND PERFORM CHEMICAL STABILIZATION ON THE EXCAVATED SOIL USING THE SAME REQUIREMENTS AS THE ADJACENT SUBGRADE. AFTER CHEMICALLY STABILIZING THE EXCAVATED SOIL, PLACE THE EXCAVATED SOIL BACK IN THE EXCAVATION TO A DISTANCE OF 20 FEET LONGITUDINALLY ON EACH SIDE OF THE BOX CULVERT. COMPACT ACCORDING TO THE SPECIAL PROVISIONS DETAILED BELOW.
3. BOX CULVERTS WHERE DEPTH OF COVER IS LESS THAN 2 FEET:  
EXCAVATE 16 INCHES OF THE EXPOSED SOIL SUBGRADE FROM THE BOX CULVERT TO A DISTANCE 20 FEET LONGITUDINALLY EACH SIDE (FORWARD AND REAR). SPREAD THE EXCAVATED SOIL AND PERFORM CHEMICAL STABILIZATION ON THE EXCAVATED SOIL USING THE SAME REQUIREMENTS AS THE ADJACENT SUBGRADE. AFTER CHEMICALLY STABILIZING THE EXCAVATED SOIL, PLACE THE EXCAVATED SOIL BACK IN THE EXCAVATION TO A DISTANCE OF 20 FEET LONGITUDINALLY ON EACH SIDE OF THE BOX CULVERT. COMPACT ACCORDING TO THE SPECIAL PROVISIONS DETAILED BELOW.

SPECIAL PROVISIONS FOR COMPACTION OF ITEMS 2 AND 3 ABOVE

COMPACT THE EXISTING SUBGRADE MATERIAL OVER THE BOX CULVERT USING A NON-VIBRATORY ROLLER AND TEST FOR PERCENT COMPACTION ACCORDING TO THE PROJECT SPECIFICATIONS. DO NOT PROOF ROLL. IF THE COMPACTED SOIL DOES NOT MEET THE SPECIFICATION REQUIREMENTS FOR DENSITY, THE ENGINEER WILL DELINEATE THE AREA TO BE UNDERCUT AND BACKFILL WITH ITEM SP304 MATERIAL.

FOR ALL SCENARIOS LISTED ABOVE, AND IN OTHER AREAS INACCESSIBLE TO THE SPECIFIED COMPACTION EQUIPMENT, THE CONTRACTOR SHALL ENSURE THAT THE SPECIFIED COMPACTION IS OBTAINED USING OTHER SUITABLE EQUIPMENT.

ITEM 206 - CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN - CONTINUED  
PAYMENT FOR EXCAVATION AND EMBANKMENT REQUIRED TO COMPLETE THE STABILIZATION IN THE AREAS SHALL BE INCLUDED IN AND INCIDENTAL TO ITEMS 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK UNDER ITEM 206 - CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN:

ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN	228,500 SQ. YD.
ITEM 206 - CEMENT	5,800 TON
ITEM 206 - CURING COAT	13,800 GAL.
ITEM 206 - TEST ROLLING	120 HOURS

THE FOLLOWING CONTINGENCY QUANTITIES SHALL BE USED TO EXCAVATE AND STABILIZE THE UNSTABLE SUBGRADE SOILS AS DESCRIBED ABOVE IN SECTION E.1:

ITEM 203 - ROADWAY EXCAVATION & EMBANKMENT	1600 CU. YD.
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	8000 SQ. YD.
ITEM 206 - CEMENT	210 TON
ITEM 206 - CURING COAT	240 GAL.
ITEM 206 - TEST ROLLING	10 HOURS

THE FOLLOWING CONTINGENCY QUANTITIES SHALL BE USED TO EXCAVATE AND STABILIZE THE UNSTABLE SUBGRADE SOILS AS DESCRIBED ABOVE IN SECTION E.2:

ITEM 206 - CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP,	4000 SQ. YD.
ITEM 206 - CEMENT	170 TON
ITEM 206 - CURING COAT	240 GAL.
ITEM 206 - TEST ROLLING	10 HOURS

THE FOLLOWING CONTINGENCY QUANTITIES SHALL BE USED TO UNDERCUT AND REPLACE THE UNSTABLE SUBGRADE SOILS AS DESCRIBED ABOVE IN SECTION E.3:

ITEM 204 - EXCAVATION	178 CU. YD.
SP304 - GRANULAR MATERIAL	360 TON
ITEM 204 - SUBGRADE COMPACTION	227 SQ. YD.
ITEM 204 - TYPE D GEOTEXTILE, 712.09	227 SQ. YD.
ITEM 861 - GEOGRID FOR SUBGRADE STABILIZATION, AS PER PLAN, TENSAR TRIAX 160 GEOGRID	227 SQ. YD.

1	ADDENDUM NO 1	PJF	1/18/15
-	-	-	-
NO.	REVISIONS	BY	DATE
<b>OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION</b>			
<b>GENERAL NOTES</b>			
M.P. 186.3		PORTAGE COUNTY	
<b>GPD GROUP</b> Glenn, Pyle, Schwaner, Burns & DeHaven, Inc. 520 South Main Street, Suite 2531, Akron, Ohio 44311 Fax 330-572-2100			
DESIGNED:	CLH	CHECKED:	PJF
DATE:	08/11/15	SCALE:	N.T.S.
DRAWN:	CLH	IN CHARGE:	MRG
<b>PROJECT NO. 39-16-02A SHEET 16 OF 371</b>			

