

**OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION**

ADDENDUM NO. 2

CONTRACT NO. 39-14-01

**RIGHT TWO (2) LANES AND SHOULDER RECONSTRUCTION
MILEPOST 101.2 TO MILEPOST 107.2,
SANDUSKY AND ERIE COUNTIES, OHIO**

OPENING DATE: PREVIOUSLY EXTENDED TO 2:00 P.M. (E.S.T.), FEBRUARY 19 21, 2014

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 P.M., FEBRUARY 18, 2014


MODIFICATIONS TO THE BID FORM

Pages OTIC-BF-5, OTIC-BF-10 and OTIC-BF-11

MODIFICATIONS TO THE DRAWINGS

Contract Drawings: Sheet 225 of 280

Issued by the Ohio Turnpike and Infrastructure Commission on February 18, 2014. Issuance authorized by Richard A. Hodges, Executive Director, and Tommie Jo Marsillio, Director of Contracts Administration.


Richard A. Hodges
2/18/14
Date


Tommie Jo Marsillio
2/18/14
Date

**OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
ADDENDUM NO. 2
CONTRACT NO. 39-14-01**

ANSWERS TO QUESTIONS RECEIVED THROUGH 2:00 P.M., FEBRUARY 18, 2014

Q#6 In Addendum #1, Ref. No. 76: SP 302 Bituminous Aggregate Base quantity was reduced from 83,368 cy to 58,606 cy due to the reduction of travel lane thickness from 14" to 12". The quantity reduction also eliminated the 8" of SP 302 for the shoulder, probably by mistake. Please add the 14,332 cy for shoulder SP 302 (shown on sheet 119) to the SP 302 quantity for a total quantity of 72,938 cy.

A#6 *A new Bid Item is created via this Addendum No. 2. The Bid Form is modified with this Addendum No. 2 to add new Ref. No. 91A, Item SP302, BITUMINOUS AGGREGATE BASE, PG64-22 (SHOULDER), 14,978 CU YD.*

Q#7 The revised bid sheets for item 76 only reflect the quantity for the mainline SP302 and do not include the SP302 for the shoulder. Should this quantity be included in this bid item?

A#7 *See response to Q#6 above.*

Q#8 Will the cleaning of the culverts to be sliplined be paid under item 71 "Pipe Cleanout" or is the cleaning to be included in the price of the liner pipe? Any clarification would be greatly appreciated.

A#8 *The cost of cleaning the existing pipes to be lined is to be included in the cost of Item 837 - Pipe Liner, As Per Plan. The General Note "ITEM 837 - LINER PIPE, AS PER PLAN" on Sheet 225 of 280 was revised with this Addendum No. 2 to clarify that pipe cleaning is included.*

MODIFICATIONS VIA ADDENDUM NO. 2 TO THE CONTRACT DOCUMENTS FOR CONTRACT NO. 39-14-01

The following changes were made to the Contract Documents for Contract No. 39-14-01:

MODIFICATIONS TO THE BID FORM

Deletions are shown with ~~strikethrough~~ text.

Changes/Additions are shown with ***bold italicized*** text.

Page OTC – BF – 5

The Quantities are revised and a new Ref. No. 91A was added as follows:

REF. NO.	ITEM NO.	DESCRIPTION	APPROX. QUANTITY	UNIT
72	251	PARTIAL DEPTH PAVEMENT REPAIR	500 1,100	SQ YD
75	255	FULL DEPTH PAVEMENT SAWING	700 1,500	FT
79	SP402	ASPHALT CONC. BASE COURSE OR RECYCLED ASPHALT CONC. BASE COURSE, PG64-22	3,312 3,306	CU YD
84	SP407	TACK COAT FOR INTERMEDIATE COURSE, AS PER PLAN	15,445 15,434	GALLON
91A	SP302	BITUMINOUS AGGREGATE BASE, PG64-22 (SHOULDER)	14,978	CU YD

Page OTC – BF – 10

The Quantity is revised as follows:

REF. NO.	ITEM NO.	DESCRIPTION	APPROX. QUANTITY	UNIT
184	202	HEADWALL REMOVED	4 2	EACH

Page OTC – BF – 11

The Quantity is revised as follows:

REF. NO.	ITEM NO.	DESCRIPTION	APPROX. QUANTITY	UNIT
194	202	HEADWALL REMOVED	4 2	EACH

MODIFICATIONS TO THE PLAN DRAWINGS

Modifications to the Plan Drawings

Deletions in Plan Notes are shown with ~~strikethrough~~ text.

Changes/Additions in the Plan Notes are shown with ***bold italicized*** text.

Additions and deletions on Plan Drawings are indicated with a cloud and revision triangle thus:



Plan Sheet 225 of 280

The two General Notes on Plan Sheet 225 of 280 entitled "ITEM 837 – LINER PIPE, AS PER PLAN" is modified via this Addendum No. 2 as follows:

"ITEM 837 – LINER PIPE, AS PER PLAN"

837.05 BASIS OF PAYMENT. PAYMENT FOR THE ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT REPRESENTS FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, **PIPE CLEANING** AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE ITEM OF WORK DESCRIBED IN THE SUPPLEMENTAL SPECIFICATION 837 LINER PIPE AND ABOVE”.

“ITEM 837 – LINER PIPE, AS PER PLAN

CONNECTIONS TO EXISTING PIPES WILL BE REQUIRED AS DESCRIBED BELOW. THE COST FOR ALL LABOR, MATERIALS, EQUIPMENT, **PIPE CLEANOUT** AND INCIDENTALS NECESSARY TO COMPLETE THE CONNECTION TO EXISTING PIPES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 837 – LINER PIPE, AS PER PLAN”.

ATTACHMENTS:

Bid Form: Pages OTIC-BF-5, OTIC-BF-10 and OTIC-BF-11

Contract Drawings: Sheet 225 of 280

(BIDDERS ARE ADVISED TO UTILIZE THE ATTACHED REPLACEMENT PAGES).

Addendum No. 2 to is hereby acknowledged:
Contract No. 39-14-01

(Firm Name)

(Signature)

(Printed Name)

Date: _____

CONTRACT NO. 39-14-01 BID FORM

Revised through Addendum No. 2

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		PAVEMENT (Ref. Nos. 72 - 91)				
72	251	PARTIAL DEPTH PAVEMENT REPAIR	1,100	SQ YD		
73	252	FULL DEPTH PAVEMENT SAWING	63,292	FT		
74	255	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS C	700	SQ YD		
75	255	FULL DEPTH PAVEMENT SAWING	1,500	FT		
76	SP302	BITUMINOUS AGGREGATE BASE, PG64-22	58,606	CU YD		
77	SP304	AGGREGATE BASE (SHOULDER)	17,481	CU YD		
78	SP304	AGGREGATE BASE	29,768	CU YD		
79	SP402	ASPHALT CONC. BASE COURSE OR RECYCLED ASPHALT CONC. BASE COURSE, PG64-22	3,306	CU YD		
80	SP402	ASPHALT CONC. BASE COURSE OR RECYCLED ASPHALT CONC. BASE COURSE, PG70-22 (FR)	9,032	CU YD		
81	SP404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22	2,973	CU YD		
82	SP404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG70-22 (FR)	7,746	CU YD		
83	SP404A	JOINT SEALER	66,985	FT		
84	SP407	TACK COAT FOR INTERMEDIATE COURSE, AS PER PLAN	15,434	GALLON		
85	SP407	TACK COAT, AS PER PLAN	19,018	GALLON		
86	617	SHOULDER PREPARATION	27,693	SQ YD		
87	617	COMPACTED AGGREGATE	1,471	CU YD		
88	SP627	STONE SHOULDER PROTECTION	1,848	TON		
89	SPECIAL	ASPHALT PAVEMENT REINFORCEMENT	17,588	SQ YD		
90	SPECIAL	SONIC NAP ALERT PATTERN (SNAP)	12.49	MILE		
91	SPECIAL	SAW CUT JOINT	65,319.00	FT		
91A	SP302	BITUMINOUS AGGREGATE BASE, PG64-22 (SHOULDER)	14,978	CU YD		
TOTAL - PAVEMENT (Ref. Nos. 72 - 91)						

OTIC-BF-5

CONTRACT NO. 39-14-01 BID FORM

Revised through Addendum No. 2

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		BRIDGE - PICKLE STREET M.P. 103.5 (Ref. Nos. 165 - 183)				
165	202	PORTIONS OF STRUCTURE REMOVED	1	LUMP		
166	SP509	EPOXY COATED REINFORCING STEEL, AS PER PLAN	100	POUND		
167	SP511A	CLASS S CONCRETE, SUPERSTRUCTURE DECK SLAB, USING SHRINKABLE COMPENSATING CEMENT	6	CU YD		
168	SP511A	CLASS S CONCRETE, ABUTMENT SLABS, USING SHRINKAGE COMPENSATING CEMENT	6	CU YD		
169	SP511A	CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PRE-PLACEMENT TESTING	2	CU YD		
170	SP511A	CLASS S CONCRETE, BARRIERS AND PARAPETS, USING TYPE 1 CEMENT	3	CU YD		
171	SP516A	CRACK REPAIR USING EPOXY INJECTION	82	FT		
172	SP516G	REPLACE EXPANSION BEARING DEVICE	3	EACH		
173	SP516M	RESET EXISTING ROCKER BEARING	2	EACH		
174	SP519	PATCHING CONCRETE STRUCTURES	134	SQ FT		
175	SP519C	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	8	SQ FT		
176	SP527	FALSEWORK, TEMPORARY BRACING AND PROECTIVE STRUCTURES	1	LUMP		
177	SP533F	REPLACEMENT OF COMPRESSION SEAL WITH CONTINUOUS ELASTOMER SEAL	127	FT		
178	SP533H	CONTINUOUS ELASTOMER SEAL IN STRUCTURAL STEEL JOINT	127	FT		
179	SP536	CONCRETE WEATHERPROOFING, BARRIERS AND PARAPETS	682	SQ YD		
180	SP536	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS	536	SQ YD		
181	SP536	CONCRETE WEATHERPROOFING, SUBSTRUCTURE	1,189	SQ YD		
182	SPECIAL	PATCHING CONCRETE BRIDGE DECKS, TYPE B	1	SQ YD		
183	SPECIAL	RECOATING OF TYPE "E" FIXED BEARING ASSEMBLY	3	EACH		
TOTAL - BRIDGE - PICKLE STREET M.P. 103.5 (Ref. Nos. 165 - 183)						

OTIC-BF-10

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		42" RCP CULVERT AT M.P. 104.2 EASTBOUND (Ref. Nos. 184 - 190)				
184	202	HEADWALL REMOVED	2	EACH		
185	202	PIPE REMOVED, OVER 24"	15	FT		
186	SP536A	MASONRY COATING	29	SQ YD		
187	602	CONCRETE MASONRY	30	CU YD		
188	603	30" CONDUIT, TYPE A, 706.02	5	FT		
189	603	42" CONDUIT, TYPE A, 706.02	10	FT		
190	SPECIAL	PIPE CLEANOUT	155	FT		
TOTAL - 42" RCP CULVERT AT M.P. 104.2 EASTBOUND (Ref. Nos. 184- 190)						

CONTRACT NO. 39-14-01 BID FORM

Revised through Addendum No. 2

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		30" RCP CULVERT M.P. 104.2 WESTBOUND (Ref. Nos. 191 - 193)				
191	SP519	PATCHING CONCRETE STRUCTURES	11	SQ FT		
192	SP536A	MASONRY COATING	5	SQ YD		
193	SPECIAL	PIPE CLEANOUT	155	FT		
TOTAL - 30" RCP CULVERT M.P. 104.2 WESTBOUND (Ref. Nos. 191 - 193)						

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		36" RCP CULVERT M.P. 104.3 EASTBOUND (Ref. Nos. 194 - 199)				
194	202	HEADWALL REMOVED	2	EACH		
195	202	PIPE REMOVED, OVER 24"	10	FT		
196	SP536A	MASONRY COATING	16	SQ YD		
197	602	CONCRETE MASONRY	21	CU YD		
198	603	36" CONDUIT, TYPE A, 706.02	10	FT		
199	SPECIAL	PIPE CLEANOUT	123	FT		
TOTAL - 36" RCP CULVERT M.P. 104.3 EASTBOUND (Ref. Nos. 194 - 199)						

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		12' W x 6' H BOX CULVERT M.P. 105.3 (Ref. Nos. 200 - 213)				
200	202	PORTIONS OF STRUCTURE REMOVED	1	LUMP		
201	503	COFFERDAMS AND EXCAVATION BRACING	1	LUMP		
202	503	UNCLASSIFIED EXCAVATION	19	CU YD		
203	SP509	EPOXY COATED REINFORCING STEEL	2,356	POUND		
204	SP509	EPOXY COATED REINFORCING STEEL, AS PER PLAN	100	POUND		
205	510	DOWEL HOLES WITH NON-SHRINK, NON-METALLIC GROUT	94	EACH		
206	511	CLASS C CONCRETE	22	CU YD		
207	511	CONCRETE, MISC.: CULVERT TOP SLAB JOINT REPAIR	1	LUMP		
208	512	TYPE 2 WATERPROOFING	10	SQ YD		
209	518	POROUS BACKFILL WITH FILTER FABRIC	18	CU YD		
210	SP519	PATCHING CONCRETE STRUCTURES	21	SQ FT		
211	SP519A	PATCHING CONCRETE, BOX CULVERTS	130	SQ FT		
212	SP536A	MASONRY COATING	90	SQ YD		
213	SPECIAL	PIPE CLEANOUT	154	FT		
TOTAL - 12' W x 6' H BOX CULVERT M.P. 105.3 (Ref. Nos. 200 - 213)						

OTIC-BF-11

NOTES:

ITEM SP519 – PATCHING CONCRETE STRUCTURES AND ITEM SP519A – PATCHING CONCRETE, BOX CULVERTS:

PHYSICAL INVENTORY OF MEASURED QUANTITIES OF DETERIORATION WAS PERFORMED IN JULY 2013. REPAIR AREAS HAVE BEEN OUTLINED WITH YELLOW PAINT. ESTIMATED QUANTITIES HAVE BEEN INCREASED BY 50% OVER MEASURED QUANTITIES FOR BIDDING PURPOSES. EXACT DIMENSIONS AND LOCATIONS OF PATCHES SHALL BE DETERMINED BY THE CHIEF ENGINEER IN THE FIELD.

ITEM SP519A – PATCHING CONCRETE, BOX CULVERTS:

REPAIR DETERIORATED CONCRETE ON THE EXISTING CULVERT WALLS AS PER SPECIAL PROVISION SP519A WITH THE FOLLOWING ADDITIONS:

PATCHING BELOW MUD LINE – WHERE CONCRETE PATCHING MAY EXTEND BELOW THE MUD LINE, REMOVE SILT AND GRAVEL FROM THE WALL TO VERIFY THE BOTTOM LIMIT OF REPAIR. USE THIS MATERIAL TO DIVERT STREAM WATER AWAY FROM THE REPAIR AREAS DURING PATCHING WORK AND FOR 24 HOURS (MINIMUM) AFTER PATCHING WORK HAS BEEN COMPLETED.

LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NEEDED TO COMPLETE PATCHING WORK AS SPECIFIED IN SP519A AND THIS NOTE ARE INCLUDED IN THE CONTRACT "SQUARE FEET" PRICE BID FOR ITEM SP519A – PATCHING CONCRETE, BOX CULVERTS.

ITEM 511 – CONCRETE, MISC: CULVERT TOP SLAB JOINT REPAIR

PAYMENT FOR FURNISHING ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NEEDED TO COMPLETE THE FOLLOWING TASKS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE BID FOR ITEM 511 – CONCRETE, MISC: CULVERT TOP SLAB JOINT REPAIR: (SEE TOP SLAB REPAIR PLANS FOR DETERIORATED CONCRETE AREAS.)

- A.) REMOVE DETERIORATED CONCRETE ON THE UNDERSIDE OF THE EXISTING TOP SLAB AND PREPARE SURFACE PER SPECIAL PROVISION SP519.
B.) DRILL DOWEL HOLES AND INSTALL DOWEL BARS WHERE SHOWN ON THE "TOP SLAB REPAIR PLAN."
C.) INSTALL FORMWORK AT 6" BELOW THE UNDERSIDE OF THE EXISTING TOP SLAB.
D.) PLACE CLASS S CONCRETE THROUGH OPENINGS IN ONE VERTICAL SIDE OF THE FORMWORK AND USE A VIBRATOR TO INSURE THAT IT FLOWS TO FILL THE VOID ENTIRELY.
E.) REMOVE THE FORMS AFTER SEVEN DAYS OF CURING.
F.) DRILL OUT THE TOP END CAPS TO MAKE EACH DRAIN HOLE FUNCTIONAL.

THE QUANTITIES LISTED BELOW FOR THE TOP SLAB JOINT REPAIR ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. ALL ITEMS ARE INCLUDED WITH THE LUMP SUM PRICE BID FOR ITEM 511 – CONCRETE, MISC; CULVERT TOP SLAB JOINT REPAIR.

AT TWO CELL 14'W x 8'H BOX CULVERT AT M.P. 102.2:

509 –EPOXY COATED REINFORCING STEEL – 1040 POUNDS
510 –DOWEL HOLES WITH NON–SHRINK, NON–METALLIC GROUT – 112 EACH
511 –CLASS S CONCRETE – 9 C.Y.

AT TWO CELL 18'W x 8'H BOX CULVERT AT M.P. 103.35:

509 –EPOXY COATED REINFORCING STEEL – 260 POUNDS
510 –DOWEL HOLES WITH NON–SHRINK, NON–METALLIC GROUT – 28 EACH
511 –CLASS S CONCRETE – 3 C.Y.

AT 12'W x 6'H BOX CULVERT AT M.P. 105.3:

509 –EPOXY COATED REINFORCING STEEL – 274 POUNDS
510 –DOWEL HOLES WITH NON–SHRINK, NON–METALLIC GROUT – 42 EACH
511 –CLASS S CONCRETE – 3 C.Y.

EXCAVATION IN STREAM/DITCH AREAS

ANY MATERIAL THAT IS EXCAVATED FROM THE STREAM/DITCH AREA TO INSTALL THE NEW HEADWALLS/WINGWALLS; AND IS NOT USED FOR BACKFILLING THE FOUNDATION EXCAVATION, SHALL NOT BE DUMPED INTO THE STREAM/DITCH. EXCESS MATERIAL SHALL BE REMOVED FROM THE PROJECT AREAS AS PER SP105.

ITEM SPECIAL – PIPE CLEANOUT

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM DESIGNATED BOX CULVERT CELLS AND LARGE DIAMETER CULVERT PIPES (30" AND GREATER) NOTED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE CLEANED OUT TO THE SATISFACTION OF THE CHIEF ENGINEER.

CLEANOUT OF THE BOX OR PIPE SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL – PIPE CLEANOUT. THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

A "FOOT" ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE STRUCTURE /CULVERT ESTIMATED QUANTITIES TABLE WHERE THE ABOVE NOTED WORK SHALL BE PERFORMED.

ITEM 837 – LINER PIPE, AS PER PLAN

(24" FOR 30" CMP CULVERT AT M.P. 105.9)
(60" FOR 72" CMP CULVERT AT M.P. 106.3)
(66" FOR 78" CMP CULVERT AT M.P. 106.6)

SUPPLEMENTAL SPECIFICATION 837 LINER PIPE SHALL BE AMENDED AS FOLLOWS:

837.02 MATERIALS. THE LINER PIPE MATERIAL SHALL BE LIMITED TO 707.42, SS937 OR SS938.

837.03 INSTALLATION. INSTALLATION SHALL BE ADHERED TO WITH THE FOLLOWING ADDITIONS:

E. CONTRACTOR SHALL SUBMIT A WRITTEN INSTALLATION PROCEDURE FOR THE LINER PIPE FOR APPROVAL. THE CONTRACTOR SHALL ALSO PROVIDE: METHOD OF HOLDING THE LINER PIPE IN PLACE DURING THE GROUTING PROCEDURE TO INSURE THE LINER PIPE DOES NOT FLOAT; PROCEDURE FOR CONNECTING ALL LATERAL PIPES; A GROUT MIX DESIGN; THE GROUTING PROCEDURE SHALL BE APPROVED BY THE MANUFACTURE; THE CONTRACTOR SHALL SUPPLY AT LEAST FIVE VERIFIABLE PROJECTS WITH THE ENGINEER'S CONTACT NAME, ADDRESS AND PHONE NUMBER FOR EACH PROJECT WITH A SIMILAR SCOPE.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE SPECIFIED PIPE WILL FIT INTO THE EXISTING CONDUIT AND VERIFY THE LENGTH PRIOR TO ORDERING THE LINER PIPE.

G. ALL EXISTING LATERAL PIPES OR UNDERDRAIN CONNECTIONS SHALL BE CONNECTED TO THE PROPOSED LINER PIPE. THESE CONNECTIONS MAY OR MAY NOT BE SHOWN OR SPECIFIED IN THE PLANS. THE CONTRACTOR SHALL VERIFY THE NUMBER, SIZE AND LOCATION OF ALL CONNECTING PIPES. LATERAL PIPES MAY NEED TO BE TRIMMED IN ORDER TO INSTALL THE LINER PIPE.




837.05 BASIS OF PAYMENT. PAYMENT FOR THE ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT REPRESENTS FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, PIPE CLEANING AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE ITEM OF WORK DESCRIBED IN THE SUPPLEMENTAL SPECIFICATION 837 LINER PIPE AND ABOVE.

ITEM 837 – LINER PIPE, AS PER PLAN

CONNECTIONS TO EXISTING PIPES WILL BE REQUIRED AS DESCRIBED BELOW. THE COST FOR ALL LABOR, MATERIALS, EQUIPMENT, PIPE CLEANING AND INCIDENTALS NECESSARY TO COMPLETE THE CONNECTION TO EXISTING PIPES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 837 – LINER PIPE, AS PER PLAN.

72" CMP AT MP 106.3 24" RCP WEST AT 79' +/- FROM SOUTH (EB) END

DESIGNED BY: J.P.R.	CHECKED BY:
DATE: 11/18/2013	DATE:
DRAWN BY: B.E.K.	REVISED BY:
DATE: 11/18/2013	DATE:
CAD FILE NAME: T3476--GNOTES.DWG	

	ADDENDUM NO. 2	JDC	2/18/14
	ADDENDUM NO. 1	JDC	2/7/14
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION			
CULVERT MAINTENANCE STRUCTURE GENERAL NOTES			
 CT Consultants engineers architects planners <small>4400 Blanding Court Akron, Ohio 44300 480.921.1000 www.ctconsultants.com</small>			
DESIGNED:	J.P.R.	CHECKED:	W.D.B. DATE: DEC, 2013
DRAWN:	B.E.K.	IN CHARGE:	W.D.B. SCALE: 1"=50'
CONTRACT 39–14–01 SHEET 225 OF 280			