



**OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION**

ADDENDUM NO. 1

PROJECT NO. 43-19-07

BRIDGE REHABILITATION AND 3RD LANE WIDENING
OHIO TURNPIKE OVER AI CREEK M.P. 47.4,
OHIO TURNPIKE OVER S.R. 64 (N. MAIN ST.) M.P. 47.5
MILEPOST 46.50 TO MILEPOST 50.92
FULTON AND LUCAS COUNTIES, OHIO

OPENING DATE: 2:00 P.M. (EASTERN TIME), JANUARY 4, 2018

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 11:00 A.M. ON DECEMBER 20, 2018

-AND-

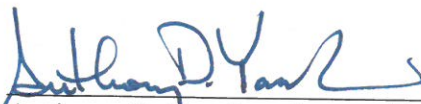
MODIFICATIONS TO THE CONTRACT DOCUMENTS

Plan Sheets: 1, 22, 38, 309, 319, and 339 of 349

-and-

OTIC Standard Drawing: CB-1

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


Anthony D. Yacobucci Date 12/20/18


Mark R. Musson Date 12/20/18

ANSWERS TO QUESTIONS RECEIVED THROUGH 11:00 A.M. ON DECEMBER 20, 2018:

Q#1 Plan sheet 288 shows notes for items 513, 516, SP516G, SP516J such that structural steel and bearing materials have been purchased under a separate contract and contractor is to retrieve materials from said vendor. Please provide all vendor information including location, owner/vendor terms and conditions, approved shop drawings, an itemized list of items for shipment, and agreed-upon shipping dates.

A#1 Item 513 Structural Steel will be provided by the following:

*U.S. Bridge division of The Ohio Bridge Corp
201 Wheeling Avenue
Cambridge, Ohio 43725
740-432-6334*

Structural steel is to be delivered to the project locations at M.P. 47.4 and M.P. 47.5 by U.S. Bridge no earlier than May 1, 2019. At this time approved shop drawings and an itemized list of items for shipment are not available.

Item 516 Steel Rocker Bearings will be provided by the following:

*A.G. Industries, Inc.
2963 Interstate Parkway
Brunswick, Ohio 44212
330-220-0050*

Steel rocker bearings are to be delivered to the project locations at M.P. 47.4 and M.P. 47.5 by A. G. Industries no earlier than April 24, 2018. At this time approved shop drawings and an itemized list of items for shipment are not available.

Items SP516G Expansion Bearing Device and SP516J Fixed Bearing Device will be provided by the following:

*State Highway Supply, Inc.
P.O. Box 3098
Dublin, Ohio 43016
614-799-9811*

Elastomeric bearings are to be delivered to the project locations at M.P. 47.4 and M.P. 47.5 by State Highway Supply no earlier than April 24, 2018. At this time approved shop drawings and an itemized list of items for shipment are not available.

Q#2 Can the Commission clarify the shear stud size on the Bridge at MP 47.5? The detail on Sheet 339/349 calls out 7/8" x 5" shear studs but the length dimension shows the studs being 6" long.

A#2 This Addendum No. 1 revises the Shear Stud Detail on Plan Sheet 339 of 349 to specify 7/8" Ø X 6" SHEAR STUD (TYP.). No quantity revisions are required as a result of this revision. Revised Plan Sheet 339 of 349 is included as part of this Addendum No. 1.

Q#3 On Plan Sheet 22 of 349, see Item Special-"SNAP" Mill and Fill Since the outside shoulders are to be milled and filled in Phase 1 of the project, what is the purpose of the "SNAP" Mill & Fill in the areas described by the note ?

A#3 This Addendum No. 1 revises the ITEM SPECIAL - "SNAP" MILL AND FILL note on Plan Sheet 22 of 349. No quantity revisions are required as a result of this revision. Revised Plan Sheet 22 of 349 is included as part of this Addendum No. 1.

Q#4 Bid items 10 and 120 are both "Pavement Removed, As Per Plan". General summary on sheet 109 calls out bid item 10 with the as per plan note on sheet 15/349. The maintenance of traffic summary on sheet 38 for bid item 120 does not reference an "As Per Plan" sheet. Please provide the "As Per Plan" information for bid item 120.

A#4 This Addendum No. 1 revises the PAVEMENT REMOVED, AS PER PLAN item on Plan Sheet 38 of 349. No quantity revisions are required as a result of this revision. Revised Plan Sheet 38 of 349 is included as part of this Addendum No. 1.

Q#5 In regards to work on SR 64, there are no pay items for shoulder restorations under the widened bridge which will most likely be impacted by pier construction. Please consider restoration of shoulder work as pay items in this location.

A#5 A quantity for Stone Shoulder Protection (T=3") is already included on Pavement Subsummary Sheet 121 of 349 for restoration of the existing shoulders, which may be disturbed by the work.

Q#6 Plan sheets do not include OTIC standard drawing CB-1 for the #1 CB bid item (reference 91). Please provide the most updated drawing for this item.

A#6 This Addendum No. 1 revises the OHIO TURNPIKE AND INFRASTRUCTURE STANDARD DRAWINGS list on Plan Sheet 1 of 349 and adds CB-1 dated 10/20/17. No quantity revisions are required as a result of this revision. Revised Plan Sheet 1 of 349 is included as part of this Addendum No. 1.

Q#7 Bid item 86- 48" Conduit, Type A, APP: This replaced conduit gets built in phases 3 and 4. The phase 3 work is built under what will be the new third lane and median shoulder pavement. Phase 4 work crosses existing turnpike pavement as well as existing shoulders that have been milled/filled in an earlier phase. There are no bid items set up for restoration of the trench which crosses non-rebuilt pavement and shoulder. What kind of material and depth requirements are there for pipe trench restoration and how will restoration be paid for?

A#7 The note PAVEMENT RESTORATION FOR CULVERT REPLACEMENT on Plan Sheet 19 of 349 provides quantities for restoration of the trench.

Q#8 Bid items 118 and 119: there are no waterline standard drawings on the plans for the relocated waterline along SR 64. Please provide the governing jurisdiction's waterline standard drawings and notes.

A#8 The note ITEM 638 – 8" WATER MAIN DUCTILE IRON ANSI CLASS 53, MECHANICAL JOINTS AND FITTINGS, AS PER PLAN on Plan Sheet 19 of 349 provides a description of the water main work and states that the work shall be completed in accordance with Item 638 along with the provisions in the note.

Q#9 At the M.P. 47.5 bridge there is existing gas pipe. Are there any active utilities in this line? If the pipe has active transmission are they going to be temporarily relocated? Are any pipes to be placed back?

A#9 This Addendum No. 1 revises Plan Sheet 319 of 349 to reflect that the existing gas line at M.P. 47.5 will not be relocated and shall not be disturbed by the contractor. No quantity revisions are required as a result of this revision. Revised Plan Sheet 319 of 349 is included as part of this Addendum No. 1.

Q#10 A conflict between the splice plate and the flange is apparent. Please review.

A#10 This Addendum No. 1 revises Plan Sheet 309 of 349 to modify the inside flange splice plate callout. No quantity revisions are required as a result of this revision. Revised Plan Sheet 309 of 349 is included as part of this Addendum No. 1.

Q#11 Would Number 9 or 89 sized aggregate to be allowed for backfilling underdrains, per ODOT 605.02?

A#11 No, follow OTIC Standard Drawing UD-1 and SP 605 for the allowable aggregates.

Q#12 Please clarify and/or provide more detail following quantities on sheet 121/349: SP302 Base (Shoulder); SP302 Base; SP402 Intermediate PG64-22; SP404 Surface PG64-22.

A#12 The quantities on Sheet 121 of 349 represent the additional pavement course quantities which are outside the neat-line edge of shoulder in accordance with the edge details on Plan Sheet 12 of 349.

Q#13 Please clarify if the pavement build up for the proposed cross-overs are to be per ODOT 615 Class A or per OTIC XOY-2 Std dwg?

A#13 The pavement build up for the proposed cross-overs shall be in accordance with OTIC Standard Drawing XOY-2.

MODIFIED CONTRACT DOCUMENTS

With this Addendum No. 1, the Commission substitutes the enclosed material for the following Contract Documents:

Plan Sheets: 1, 22, 38, 309, 319, and 339 of 349
with additions to the Plan Drawings are called out with a cloud and a revision triangle as thus:



With this Addendum No. 1, the Commission adds or revises the following Standard Drawings:

OTIC Standard Drawings: CB-1

Receipt of Addendum No. 1

Project No. 43-19-07 is hereby acknowledged:

(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____

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

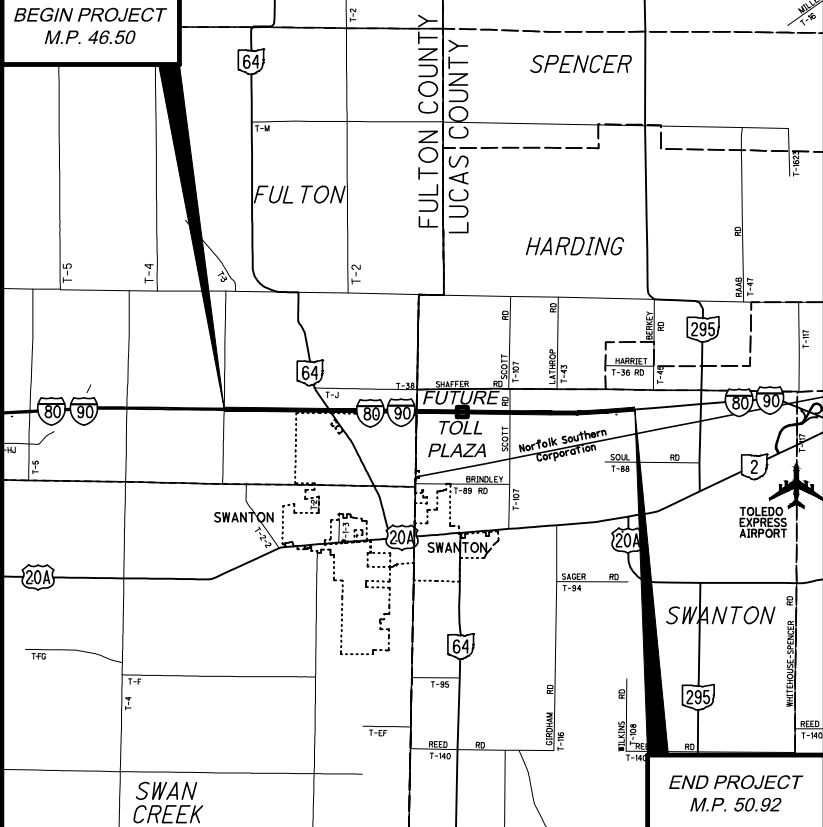
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OHIO TURNPIKE OVER S.R. 64 (N. MAIN ST.) M.P. 47.5

TITLE SHEET	1
SCHEMATIC PLAN	2-7
TYPICAL SECTIONS	8-13
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MAINTENANCE OF GENERAL SUMMARY	38
MAINTENANCE OF SUB SUMMARIES	39-45
MAINTENANCE OF TRAFFIC PLANS	46-108
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STORMWATER POLLUTION PREVENTION PLAN	122-131
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O

BY William D. Young
CHIEF ENGINEER

12-6-18
DATE

**CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG**

CALL
1-800-362-2764
OR 811 (TOLL FREE)

OHIO OIL & GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE CALL: 614-715-2984 OR 81

OTIC DIVISION TRADES SUPERVISOR:
440-971-2731 - WEST (M.P. 0.0 - M.P. 126.4)
440-971-2781 - EAST (M.P. 126.4 - M.P. 241.26)



DATE: 12/6/18

DATE: 12/6/18

ENGINEERS SEAL:

STRUCTURES



DATE: 12/06/2018

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DESIGN CONTRACT:	71-18-02
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PLAN PREPARED BY:



NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	KPA	12/19/18

H:\2018\180192\DWG\SHEETS\C_180192 - MOT GENERAL NOTES.DWG - MTTN03 - 12/18/2018 9:18:50 AM - KEVIN ABRAMS

ITEM 614 - REPLACEMENT SIGN

FLAT SHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE CHIEF ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE USED, BUT IN GOOD CONDITION, SUBJECT TO APPROVAL BY THE CHIEF ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614 - REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 20 EACH HAS BEEN PROVIDED IN THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY.

ITEM SP 622 - PORTABLE BARRIER (WITHOUT GLARE SCREEN)

THE CONTRACTOR SHALL REPLACE ANY DAMAGED PORTABLE BARRIER WITHIN 24 HOURS OF A DAMAGING IMPACT. TO FACILITATE THIS PROMPT REPLACEMENT, AN ADDITIONAL THREE HUNDRED FEET OF EACH TYPE OF BARRIER SHALL BE ON THE PROJECT AT ALL TIMES.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN SHOWN FOR INFORMATIONAL PURPOSES ONLY. A LUMP SUM QUANTITY HAS BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY FOR USE AS DIRECTED BY THE CHIEF ENGINEER FOR REPLACEMENT OF TEMPORARY PORTABLE BARRIER.

ITEM SP 622 - PORTABLE BARRIER, 32"
(WITHOUT GLARE SCREEN) 300 FT

WORK ZONE PAVEMENT MARKINGS

THE WORK ZONE PAVEMENT MARKINGS SHALL BE 4" WIDE, UNLESS NOTED OTHERWISE ON THE PLANS OR OTIC / ODOT STANDARD DRAWINGS.

ITEM SPECIAL - "SNAP" MILL AND FILL

THE FOLLOWING CONTINGENCY QUANTITY HAS BEEN PROVIDED FOR THE REMOVAL OF EXISTING "SNAPS" FOR TEMPORARY TRAFFIC CONTROL. WORK SHALL BE PERFORMED AS DIRECTED BY THE CHIEF ENGINEER.

PAYMENT FOR THIS ITEM SHALL INCLUDE REMOVAL OF EXISTING ""SNAPS" AND THE EXISTING PAVEMENT JOINT BY MILLING 1 1/2" DEEP AND 5' WIDE, COATING ALL EXPOSED MILLED SURFACES WITH ITEM 407 NON-TRACKING TACK COAT, AND PAVING THE MILLED AREA WITH 1 1/2" OF ITEM SP 404 - ASPHALT CONCRETE SURFACE COURSE, PG 64-22.

ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE ABOVE MENTIONED WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL - "SNAP" MILL AND FILL.

ITEM SPECIAL - "SNAP" MILL AND FILL..... 2,000 FT

SUSPENSION OF WORK

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS OR WITH PROVISIONS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, THE CHIEF ENGINEER WILL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

ITEM 630 - SIGNING, MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER

WHEN ADDITIONAL SIGNING IS NEEDED TO MAINTAIN TRAFFIC, THE CONTRACTOR SHALL FURNISH THE SIGN OR SIGNS AS DIRECTED BY THE CHIEF ENGINEER. THESE SIGNS SHALL BE GROUND OR BARRIER MOUNTED AND MEET ALL THE SPECIFICATIONS OF THE PLAN, PROPOSAL AND CURRENT YEAR ODOT CMS. SIGN SUPPORTS AND HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 630 - SIGNING, MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER.

ITEM 630 - SIGNING, MISC.: ADDITIONAL SIGNS WITH
SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER 500 SF

SP 614C - REMOVAL OF PAVEMENT MARKING

ALL PAVEMENT MARKINGS WHICH ARE IN CONFLICT WITH THE PROPOSED MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS ARE TO BE REMOVED AS PER SP 614C - REMOVAL OF PAVEMENT MARKINGS.

REMOVAL OF EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY EITHER GRINDING OR WATER BLAST AS APPROVED BY THE CHIEF ENGINEER, IN ACCORDANCE WITH SP 614C. IN NO INSTANCE SHALL BLACKOUT TAPE BE USED. MEASUREMENT OF THIS ITEM SHALL BE IN ACCORDANCE WITH SP 614C AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO REMOVE CONFLICTING PAVEMENT MARKINGS TO THE SATISFACTION OF THE CHIEF ENGINEER.

SP 621 RAISED PAVEMENT MARKERS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE CHIEF ENGINEER FOR CONTINGENCY PURPOSES ONLY. THESE ITEMS ARE TO BE USED TO REPLACE OR REPAIR DAMAGED RAISED PAVEMENT MARKERS IN THE EASTBOUND AND WESTBOUND TURNPIKE LANES.

SP 621 RAISED PAVEMENT MARKER -
STIMSONITE MODEL 101 LPCR 50 EACH

SP 621 REPLACEMENT PRISMATIC RETRO-REFLECTOR 50 EACH

SP 621 REPLACEMENT RAISED PAVEMENT MARKER CASTING -
STIMSONITE MODEL 101 LPCR 50 EACH

GUARDRAIL DELINEATION

GUARDRAIL DELINEATION FROM MP 45.90 TO MP 51.35 SHALL CONSIST OF AKT CORPORATION MODEL 567 ONE-WAY DELINEATORS INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. THE DELINEATORS SHALL BE SPACED 100' (MIN.), WITH ALL GUARDRAIL RUNS HAVING NO LESS THAN 2 DELINEATORS (ONE DELINEATOR ON THE BEGIN AND ONE ON THE END OF THE GUARDRAIL RUN).

PAYMENT FOR GUARDRAIL DELINEATION SHALL BE INCLUDED WITH ITEM SP 614 MAINTAINING TRAFFIC. SUCH PAYMENT SHALL INCLUDE PROVIDING, INSTALLING, MAINTAINING, REPLACING DAMAGED DELINEATORS AND REMOVING, AS SPECIFIED, FOR THE ABOVE SAID GUARDRAIL DELINEATION.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE CHIEF ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616 - WATER 2,000 MGAL

ALTERNATE MAINTENANCE OF TRAFFIC (MOT) PLANS

IF THE CONTRACTOR SO ELECTS, HE OR SHE MAY PROPOSE AN ALTERNATE METHOD OR METHODS FOR MAINTAINING TRAFFIC, PROVIDED THE INTENT OF THE ABOVE PROVISIONS AND SP 614 ARE FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THERE FROM.

IF THE CONTRACTOR ELECTS TO PROPOSE AN ALTERNATE MOT PHASE, SCHEME OR PLAN FROM THAT INCLUDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PREPARE TO SCALE PLANS, EQUIVALENT TO THE LEVEL OF DETAIL OR MORE AS PROVIDED IN THE CONTRACT DOCUMENTS, WHICH ILLUSTRATE ALL ADVANCED WARNING AREA SIGNAGE, TRANSITION AREA(S) FOR TAPERS AND SHIFTS, SIGNAGE AND / OR PAVEMENT MARKINGS, BUFFER SPACE, ACTIVITY OR WORK AREAS WHERE WORK IS TAKING PLACE, STAGING AREAS FOR WORKERS / MATERIALS / EQUIPMENT, AND TERMINATION AREA SHOWING TRAILING BUFFER SPACE AND TRANSITIONS OF TRAFFIC RETURNING TO NORMAL ALIGNMENT.

DETAILS OF ANY VARIATION FROM THE CONTRACT DOCUMENTS, SUCH AS THE PLACEMENT OF PORTABLE BARRIER, TEMPORARY SHEETING, PORTABLE BARRIER VEHICLES, TEMPORARY SIGNALS, TEMPORARY IMPACT ATTENUATORS, COVERING OF EXISTING SIGNAGE, REMOVAL OF PAVEMENT MARKINGS, ETC. SHOULD ALSO BE PROVIDED. BOTH MILEPOSTS AND STATIONS SHALL BE PROVIDED TO IDENTIFY ALL LOCATIONS OF SIGNS OR DEVICES.

THE PROPOSED ALTERNATE PLAN IS TO ADDRESS THE ENTIRE PROJECT AND / OR ADJACENT PROJECT MOT PLANS AND ANY REQUIRED CORRECTIONS TO ALREADY EXISTING MOT. TRAFFIC FLOW ARROWS SHALL BE SHOWN ON THE PLANS TO CLEARLY INDICATE EACH LANE OF TRAFFIC MAINTAINED.

THE ALTERNATE MOT PLANS SHALL BE PREPARED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED AND REGISTERED IN THE STATE OF OHIO WHO IS KNOWLEDGEABLE ABOUT FUNDAMENTAL PRINCIPLES OF TEMPORARY TRAFFIC CONTROL AND WORK ACTIVITIES TO BE PERFORMED. ALTERNATE MOT PLANS SHALL BE SUBMITTED TO THE CHIEF ENGINEER FOR REVIEW AND APPROVAL.

THE CHIEF ENGINEER WILL REQUIRE A 14 DAY REVIEW PERIOD TO EVALUATE THE PROPOSED ALTERNATE MOT PLAN. NO ALTERNATE PLANS SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED IN WRITING BY THE CHIEF ENGINEER. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH SP 614 AND ALL OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE CURRENT VERSION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION STANDARDS. ALL COSTS ASSOCIATED WITH THE PROPOSED ALTERNATE MOT PLAN WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

STORAGE OF PORTABLE BARRIER

THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION WILL ALLOW STORAGE OF PORTABLE BARRIER WALL ON TURNPIKE RIGHT OF WAY NEAR THE ABANDONED SERVICE PLAZAS AT TP 49.0. SPACE IS AVAILABLE AT EACH ABANDONED SERVICE PLAZA. THE CONTRACTOR SHALL VERIFY THE AMOUNT OF SPACE THAT IS AVAILABLE AT EACH ABANDONED SERVICE PLAZA. THE AVAILABLE SPACE AT THE ABANDONED SERVICE PLAZAS MAY REQUIRE MINIMAL GRADING TO PREPARE THE SURFACE FOR LEVEL AND STABLE STORAGE. EITHER ASPHALT MILLINGS OR CRUSHED AGGREGATE MAY BE USED AT THE CONTRACTOR'S OWN EXPENSE TO GRADE AND STABILIZE THE STORAGE AREA. PORTABLE BARRIER SHALL NOT BE STORED HIGHER THAN THREE PIECES HIGH. TYPICAL STORAGE ANTICIPATED WOULD BE IN CUBES OF 5 PORTABLE BARRIER SECTIONS ALTERNATELY STACKED 3 HIGH OR AS RECOMMENDED BY THE MANUFACTURER. RESTORATION OF THE AREA WILL BE REQUIRED TO ORIGINAL OR BETTER CONDITIONS AS APPROVED BY THE CHIEF ENGINEER PRIOR TO FINAL COMPLETION. ALL BROKEN BARRIER AND DEBRIS SHALL BE REMOVED FROM THESE AREAS ONCE COMPLETE AND DISPOSED IN ACCORDANCE WITH SP 105. FLAGGERS WILL BE REQUIRED FOR ANY TURNING MOVEMENTS IN FRONT OF THE ABANDONED SERVICE PLAZAS PER THE OTIC'S STANDARDS. THE CONTRACTOR SHALL PROVIDE A UTILIZATION PLAN TO THE CHIEF ENGINEER FOR APPROVAL. THIS PLAN SHALL INCLUDE THE FOLLOWING: AN AERIAL DRAWING OF THE EXIT WHICH DEFINES THE STORAGE AREA, SIZE OF AREA REQUIRED, DESCRIPTION OF HOW THE BARRIER IS TO BE STORED, DESCRIPTION OF WORK REQUIRED TO PREPARE THE STORAGE AREA WHICH INCLUDES TYPE OF SURFACE TO BE INSTALLED IF REQUIRED, GRADING THAT PROVIDES POSITIVE DRAINAGE AND ANY EROSION CONTROL MEASURES REQUIRED, AND THE LOGISTICS TO STORE AND RETRIEVE THE STORED PORTABLE BARRIER TO AND FROM THE ABANDONED SERVICE PLAZA. ALL COSTS ASSOCIATED WITH THE STORAGE OF PORTABLE BARRIER SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM PRICE BID OF ITEM SP622 - PORTABLE BARRIER.

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

PROJECT 43-19-07

DATE: 12/06/18

3 / 89

22
349

MAINTENANCE OF TRAFFIC
GENERAL NOTES

DESIGNED BY W.D.B. DRAWN BY J.D.C. CHECKED BY J.M.P. IN CHARGE W.D.B. REVISIONS ADDENDUM NO. 1 NO. 1

DESIGN AGENCY
CENTRAL STATES
Engineering & Construction
INCORPORATED

H:\2018\180192\DWG\SHEETS\180192 - MOT SUMMARIES.DWG - 1 - 12/18/2018 9:17:46 AM - KEVIN ABRAMS

SHEET NUMBER																	ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
				21	22	23	24			39	40	41	42	43	44	45					
																				MAINTENANCE OF TRAFFIC	
										10,411							202	10,411	SY	PAVEMENT REMOVED, AS PER PLAN	15
										9,367							252	9,367	FT	FULL DEPTH PAVEMENT SAWING	
										2	1		1		2	2	614	8	EACH	WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)	23
					20												614	20	EACH	REPLACEMENT SIGN	22
							300										614	300	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	24
						1,080											614	1,080	DAY	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	23
											4.35	0.37	4.35	0.37	2.35	2.35	614	14.14	MILE	WORK ZONE LANE LINE, CLASS I, 642 PAINT (4" WHITE)	
															2.35	2.33	614	4.68	MILE	WORK ZONE LANE LINE, CLASS I, 642 PAINT (6" WHITE)	
											4.35	0.37	4.35	0.37	2.35	2.35	614	14.14	MILE	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE)	
											4.35	0.37	4.35	0.37	2.35	2.35	614	14.14	MILE	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW)	
										10.76					2.35	2.33	614	15.44	MILE	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE)	
										1.99	0.02	0.02	0.02	0.02	1.72	1.70	614	5.49	MILE	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW)	
											4,430	3,210	4,430	3,210	8,440	8,440	614	32,160	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8" WHITE)	
											2,215	1,605	2,215	1,605	4,220	4,220	614	16,080	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8" YELLOW)	
																	SP 614	7,000	HOURL	ZONE PERSON	21
												0.08		0.08	0.08	0.08	SP 614B	0.32	MILE	WORK ZONE LANE LINE, 4 INCH	
												0.08		0.08	0.08	0.08	SP 614B	0.32	MILE	WORK ZONE WHITE EDGE LINE, 4 INCH	
												0.08		0.08	0.08	0.08	SP 614B	0.32	MILE	WORK ZONE YELLOW EDGE LINE, 4 INCH	
											25.28	2.25	25.28	2.25	18.94	18.88	SP 614C	92.88	MILE	REMOVAL OF PAVEMENT MARKING	22
																	615	1	LS	ROADS FOR MAINTAINING TRAFFIC	
										8,354							615	8,354	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
										7,330							615	7,330	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, TYPE 1, AS PER PLAN	24
										72,113							615	72,113	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, TYPE 2, AS PER PLAN	24
										2,650							615	2,650	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
																	616	2,000	MGAL	WATER	22
					50												SP 621	50	EACH	RAISED PAVEMENT MARKER-STIMSONITE MODEL 101 LPCR	22
					50												SP 621	50	EACH	REPLACEMENT PRISMATIC RETRO-REFLECTOR	22
					50												SP 621	50	EACH	REPLACEMENT RAISED PAVEMENT MARKER CASTING-STIMSONITE MODEL 101 LPCR	22
																	SP 622	1	LS	32" PORTABLE BARRIER (WITHOUT GLARE SCREEN)	22
																	SP 622	1	LS	32" PORTABLE BARRIER W/ ANCHORS (WITHOUT GLARE SCREEN)	
																	SP 626	50	EACH	BARRIER REFLECTOR, TYPE A (WHITE)	24
											672	486	672	486	1,272	1,272	SP 626A	4,860	EACH	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE	
											224	162	224	162	424	424	SP 626A	1,620	EACH	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW	
																	630	500	SF	SIGNING, MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER	22
																	SPECIAL	2,000	FT	"SNAP" MILL AND FILL	22

DESIGN AGENCY


BY DATE
KPA 12/18/18

REVISIONS
ADDENDUM NO. 1

CHECKED
J.M.P.
IN CHARGE

DESIGNED
W.D.B.
DRAWN
K.P.A.

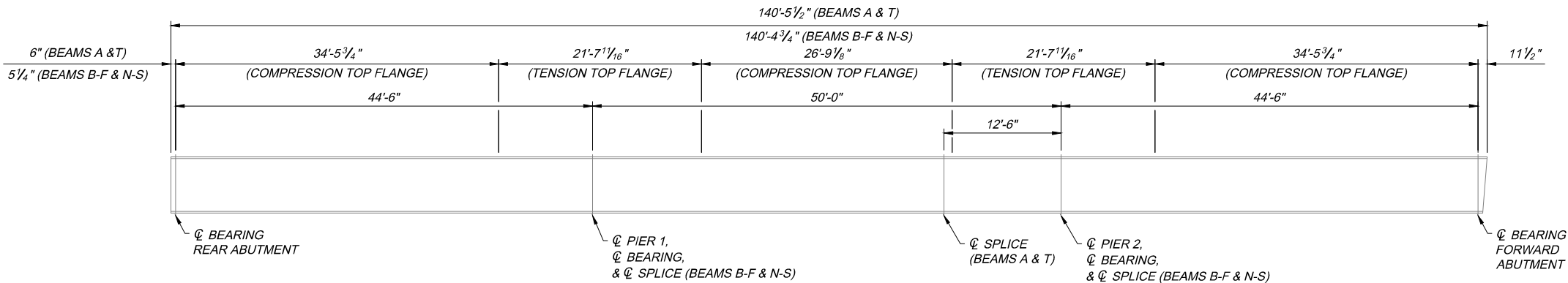
NO. 1

MAINTENANCE OF TRAFFIC
GENERAL SUMMARY

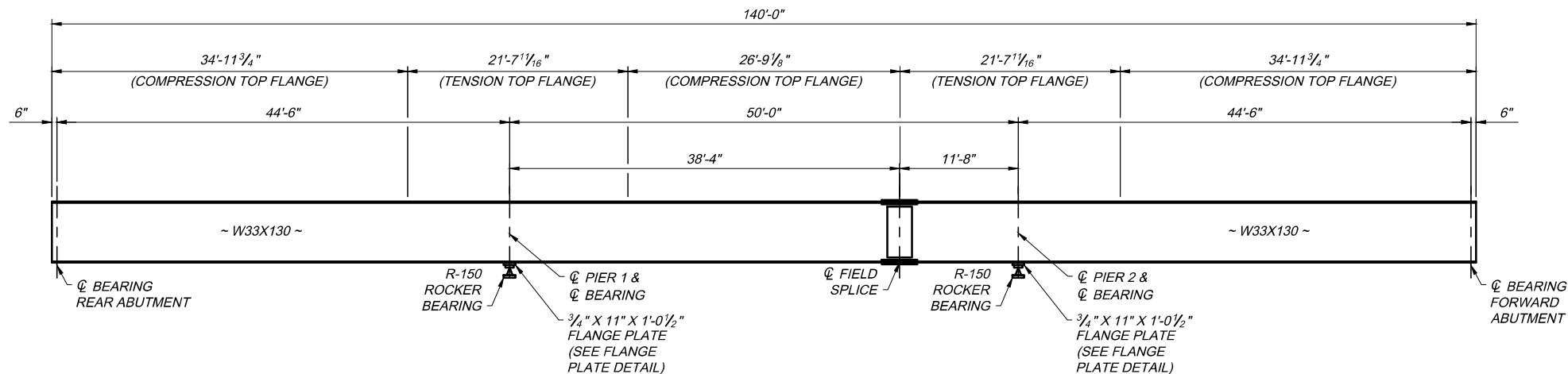
PROJECT 43-19-07
DATE: 12/06/18

19/89

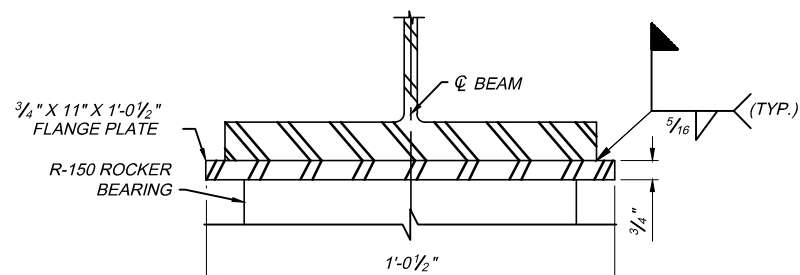
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349



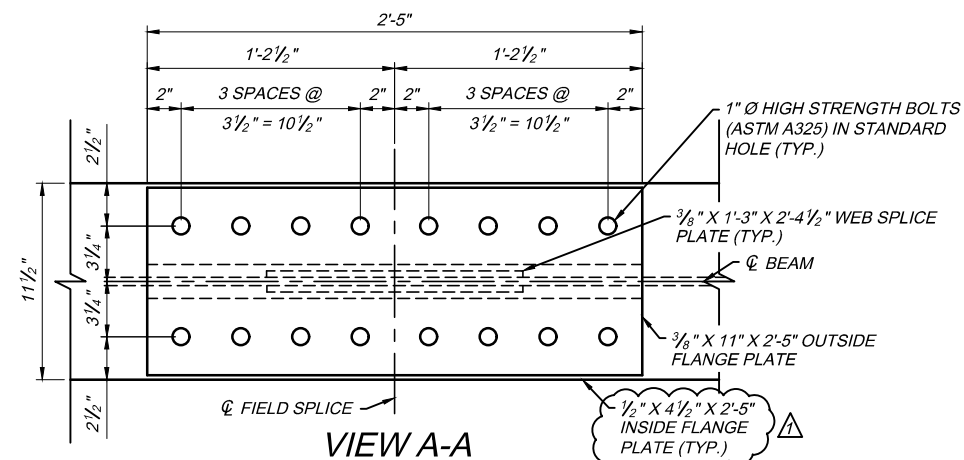
EXISTING BEAM A-F & N-T ELEVATION



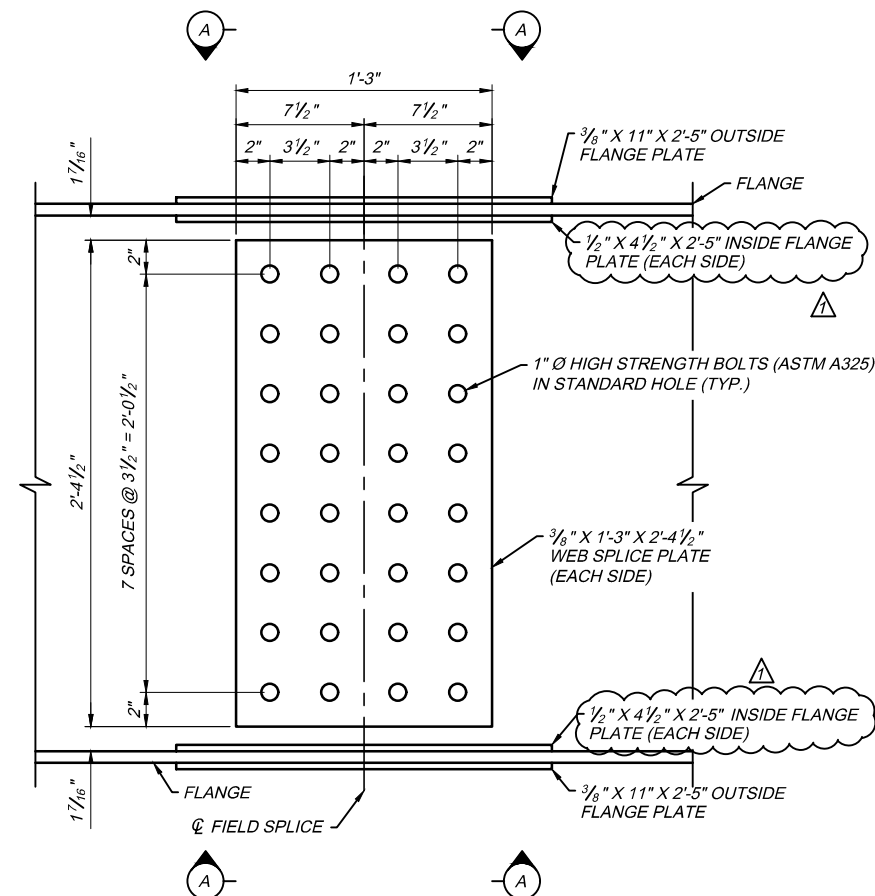
PROPOSED BEAM G-M ELEVATION



FLANGE PLATE DETAIL



VIEW A-A



TYPICAL FIELD SPLICE DETAIL

NOTES

- HIGH STRENGTH BOLTS SHALL BE 1" DIAMETER A325, TYPE 1 UNLESS OTHERWISE NOTED.
- SEE ODOT STANDARD DRAWING RB-1-55 FOR R-150 ROCKER BEARING DETAILS.
- SEE SHEET 19/29 FOR FRAMING PLAN.
- THE PROPOSED STRUCTURAL STEEL MEMBERS REQUIRED FOR THIS PROJECT, INCLUDING BEAMS, SPLICE PLATES, NUTS, BOLTS, WASHERS, STIFFENERS, DIAPHRAGMS, ROCKER BEARINGS, FLANGE PLATES, ROCKER BEARING DOWELS, AND SHEET LEAD HAVE BEEN PAID FOR AND FABRICATED UNDER A SEPARATE CONTRACT. STRUCTURAL STEEL HAS BEEN SHOP PRIMED BY THE FABRICATOR. THE CONTRACTOR IS RESPONSIBLE FOR RETRIEVING THE STRUCTURAL STEEL FROM THE FABRICATOR, HANDLING THE STEEL ON-SITE, AND ERECTING THE STEEL IN ITS FINAL LOCATION.
- BLAST CLEAN AND FIELD COAT PROPOSED BEAMS, ROCKER BEARINGS, AND DIAPHRAGMS IN ACCORDANCE WITH SP 514A. FIELD TOUCH UP OF SHOP PRIME COAT SHALL BE INCLUDED FOR PAYMENT IN ITEM SP 514A AND WILL NOT BE PAID FOR SEPARATELY.
- FIELD COAT EXISTING STRUCTURAL STEEL SURFACES WHERE EXISTING COATING IS DISTURBED TO INSTALL NEW STRUCTURAL STEEL. PERFORM COATING IN ACCORDANCE WITH SP 514A AND SP 525A.
- WELD ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS OF THE FASCIA STRINGER FLANGES DESIGNATED "COMPRESSION". DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED "TENSION". FILLET WELDS TO COMPRESSION FLANGES SHALL BE AT LEAST 1" FROM EDGE OF FLANGE, BE NO MORE THAN 2" LONG, AND BE AT LEAST 1/4" FOR THICKNESSES UP TO 3/4" OR 5/16" FOR GREATER THAN 3/4" THICK.

