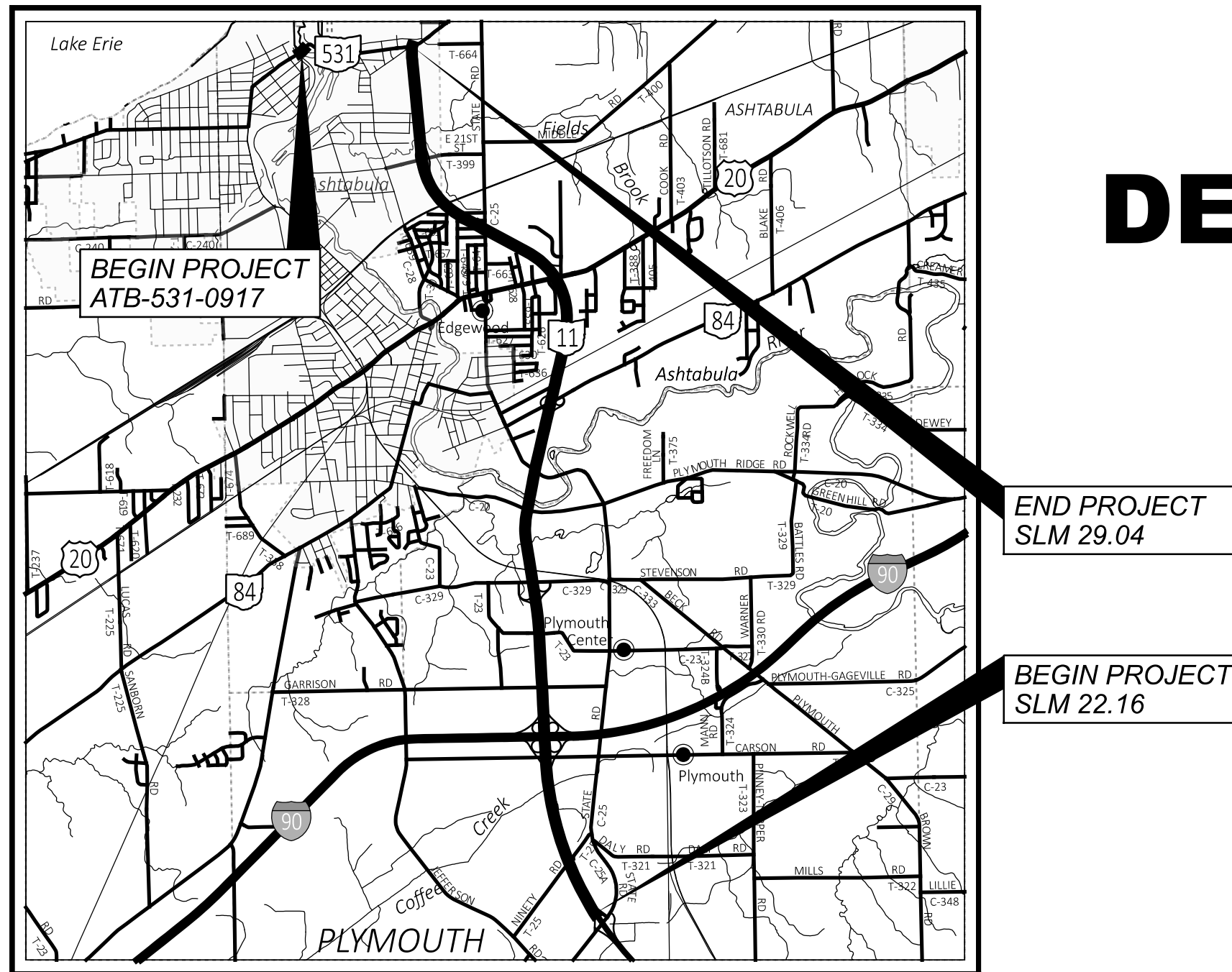


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

ATB-11-22.16

CITY OF ASHTABULA ASHTABULA AND PLYMOUTH TOWNSHIPS ASHTABULA COUNTY



LOCATION MAP

LATITUDE: ° ' " LONGITUDE: ° ' "



PORTION TO BE IMPROVED	—————
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	—————

DESIGN DESIGNATION (AS PER MS2)

CURRENT ADT (2022)	15,033
TRUCKS (24 HOUR B&C)	691

DESIGN FUNCTIONAL CLASSIFICATION:

01 FREEWAYS AND EXPRESSWAYS (RURAL 22.13-27.87, URBAN 27.87-29.04)

NHS PROJECT ----- YES

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
ODOT DISTRICT 4 - CAPITAL PROGRAMS
2088 S. ARLINGTON ROAD
AKRON, OHIO 44306

ENGINEER'S SEAL

P.34-P.36

P.1-P.33

INDEX OF SHEETS:

TITLE SHEET	P.1
TYPICAL SECTIONS	P.2-P.3
GENERAL NOTES	P.4-P.7
MAINTENANCE OF TRAFFIC	P.8-P.11
GENERAL SUMMARY	P.12-P.14
PAVEMENT CALCULATIONS	P.15-P.16
RPM SUB-SUMMARY	P.17
PAVEMENT MARKING SUB-SUMMARY	P.18-P.19
STRUCTURE ID SIGN SUB-SUMMARY	P.20
ATB-11-24.88 CONDUIT DETAILS	P.21-P.22
STRUCTURES	P.23-P.36

FEDERAL PROJECT NUMBER

E130(852)

RAILROAD INVOLVEMENT

NORFOLK SOUTHERN AND CSX

PROJECT DESCRIPTION

RESURFACING FROM SLM 22.16 TO SLM 29.04 ON SR-11 IN ASHTABULA COUNTY. INCLUDES MINOR WORK TO 18 STRUCTURES AND 1 CULVERT ON SR-11 AND 1 STRUCTURE ON 531.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	4.64 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRE
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (MAINTENANCE PROJECT)

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEET 10, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DISTRICT DEPUTY DIRECTOR

Arthur G. Noiro Jr., P.E.
04

DIRECTOR, DEPARTMENT OF TRANSPORTATION

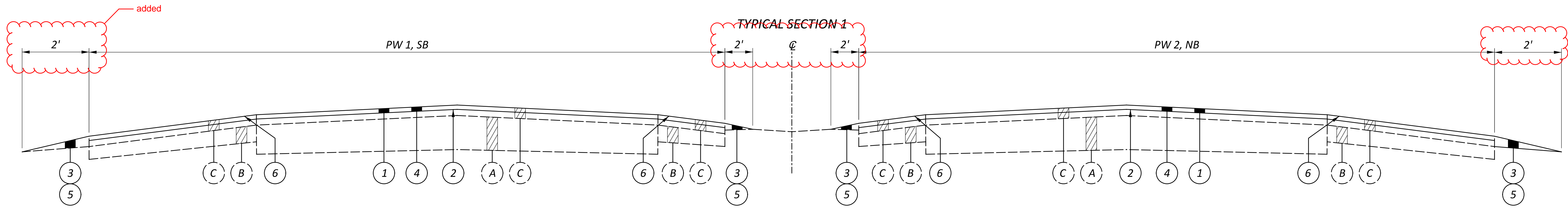
STANDARD CONSTRUCTION DRAWINGS							SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-2.5	1/21/22	MT-98.30	7/16/21	TC-71.10	7/15/22			800-2023	4/21/23	WPC 7/27/23
BP-3.1	1/21/22	MT-99.20	4/19/19	TC-72.20	7/20/18			807	1/21/22	
BP-3.2	1/18/19	MT-101.60	4/21/23	TC-73.20	1/17/20			808	1/18/19	
BP-9.1	1/18/19	MT-101.90	7/17/20					821	4/20/12	
BP-9.2	1/15/21	MT-102.20	4/19/19					832	7/15/22	
DM-4.3	1/15/16	MT-102.30	10/16/15					833	1/21/22	
DM-4.4	1/15/16	MT-104.10	4/21/23					843	10/18/19	
		MT-105.10	1/17/20					844	4/20/18	
								850	4/15/22	
MT-95.30	7/19/19	TC-41.10	7/19/13					875	1/18/19	
MT-95.50	7/21/17	TC-41.20	10/18/13					905	4/17/20	
MT-98.10	1/17/20	TC-42.20	10/18/13					908	10/20/17	
MT-98.11	1/17/20	TC-52.10	10/18/13					921	4/20/12	
MT-98.20	4/19/19	TC-52.20	1/15/21							
MT-98.22	1/17/20	TC-65.10	1/17/14							
MT-98.29	1/17/20	TC-65.11	7/15/22							

ATB-11-22.16

MODEL: Sheet esig PAPER SIZE: 34x22 (in.) DATE: 10/5/2023 TIME: 11:05:59 AM USER: mandrasi pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 04\Ashtabula\84625\400-Engineering\Roadway\Sheets\84625_GT001.dgn

TITLE SHEET

DESIGN AGENCY	
DESIGNER	MRS
REVIEWER	MJA 12-29-22
PROJECT ID	84625
SHEET	P.1
TOTAL	36



TYPICAL SECTION 1: PW 1

ROUTE	SLM		LENGTH (MILES)	PW (FEET)
	FROM	TO		
ATB-11 SB	22.16	23.35	1.19	40
ATB-11 SB	23.35	23.45	0.10	50
ATB-11 SB	23.54	23.63	0.09	50
ATB-11 SB	23.63	25.15	1.52	38
ATB-11 SB	25.38	27.50	2.12	38
ATB-11 SB	27.55	27.83	0.28	38
ATB-11 SB	27.88	28.96	1.08	38
ATB-11 SB	28.96	29.04	0.08	33

TYPICAL SECTION 1: PW 2

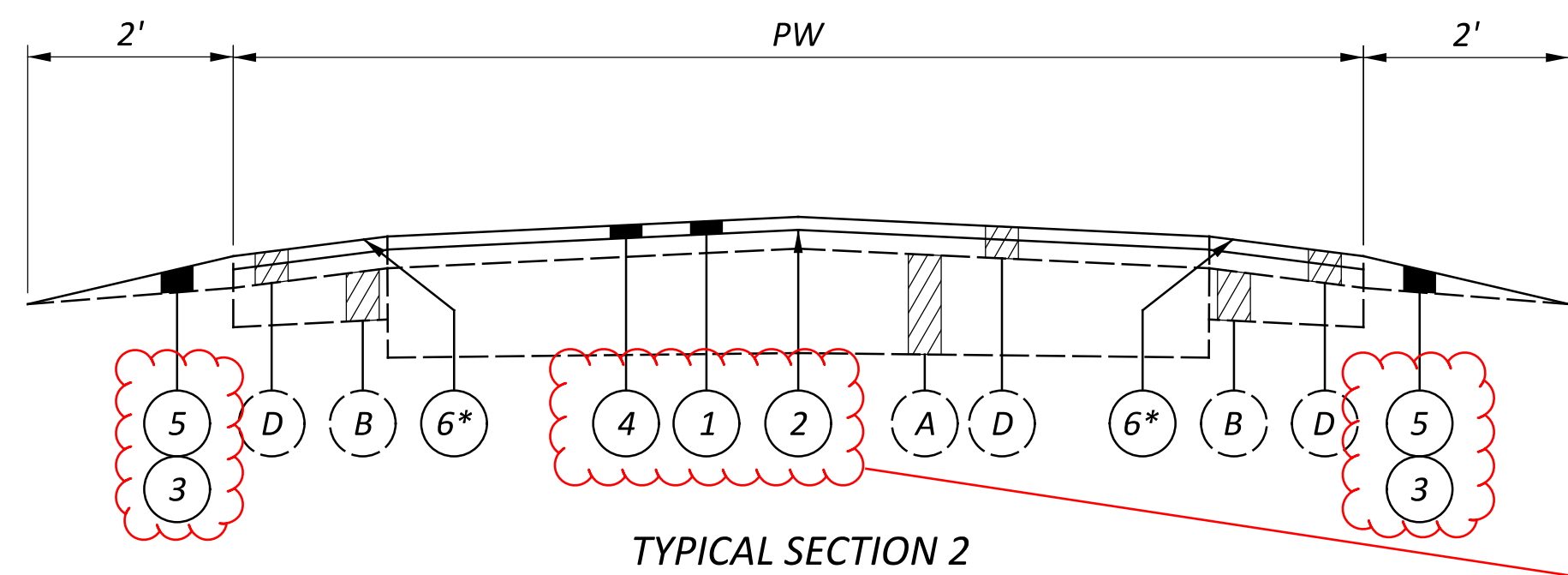
ROUTE	SLM		LENGTH (MILES)	PW (FEET)
	FROM	TO		
ATB-11 NB	22.16	23.26	1.10	38
ATB-11 NB	23.26	23.47	0.21	50
ATB-11 NB	23.55	25.15	1.60	50
ATB-11 NB	25.38	27.50	2.12	38
ATB-11 NB	27.55	27.83	0.28	38
ATB-11 NB	27.88	29.04	1.16	38

LEGEND

- ① ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5")
- ② ITEM 407, NON-TRACKING TACK COAT @ 0.08 GAL/SY
- ③ ITEM 408, PRIME COAT, AS PER PLAN @ 0.04 GAL/SY
- ④ ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PWL, 2024, AS PER PLAN (T=1.5")
- ⑤ ITEM 617, COMPACTED AGGREGATE, AS PER PLAN (T=2")
- ⑥ ITEM 618, RUMBLE STRIPS, EDGE LINE, ASPHALT CONCRETE

- (A) EXISTING 9" CONCRETE BASE
- (B) EXISTING 8" AGGREGATE BASE
- (C) EXISTING 5" ASPHALT PAVEMENT
- (D) EXISTING 4" ASPHALT PAVEMENT
- (E) EXISTING CURB





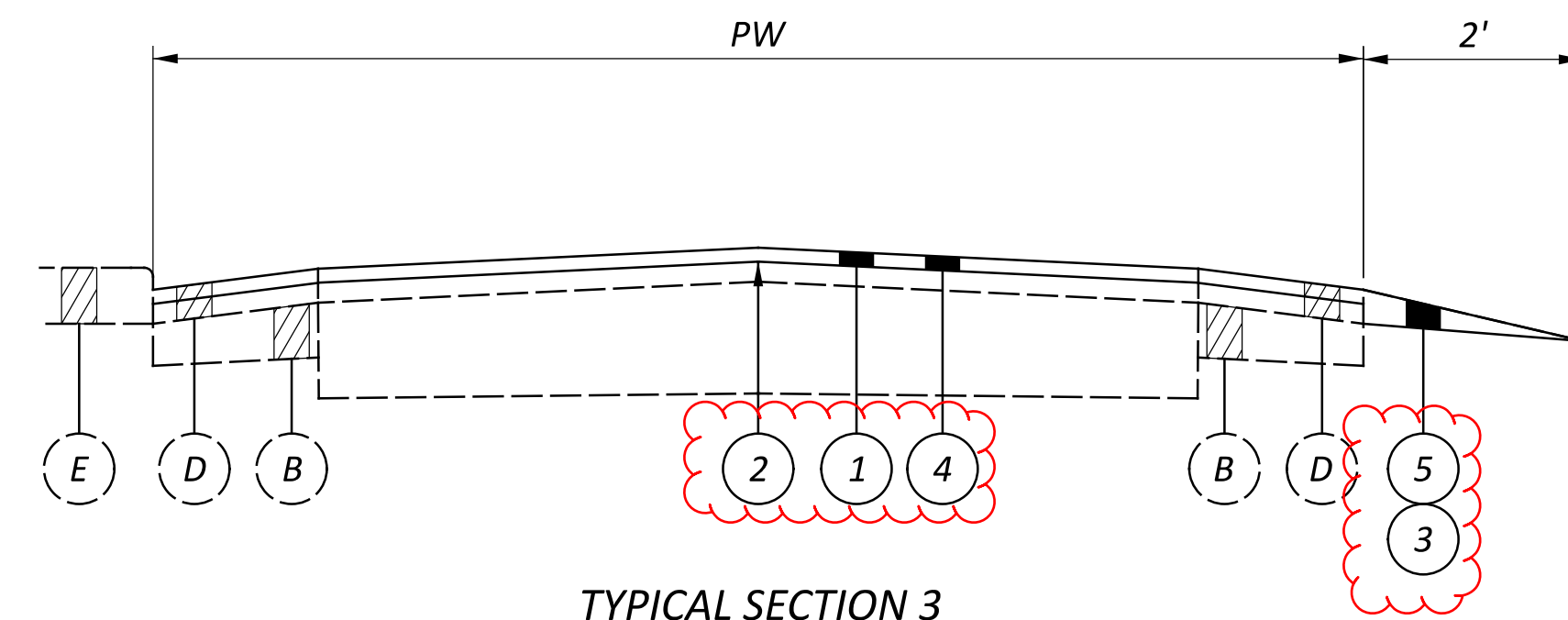
TYPICAL SECTION 2

TYPICAL SECTION 2 APPLIES

COUNTY	INTERCHANGE	SLM	DIRECTION	RAMP ID	PW (FEET)
ATB	SR 11 & SR 46	21.91	NB	A-1	VARIABLES
ATB	SR 11 & SR 46	22.06	SB	A-2	VARIABLES
ATB	SR 11 & SR 84	25.79	NB	D-1	VARIABLES
ATB	SR 11 & SR 84	26.00	NB	D-2	VARIABLES
ATB	SR 11 & US 20	26.62	NB	E-1	VARIABLES
ATB	SR 11 & US 20	27.06	NB	E-2	VARIABLES
ATB	SR 11 & US 20	26.76	SB	E-3	VARIABLES
ATB	SR 11 & US 20	27.13	SB	E-4	VARIABLES
ATB	SR 11 & 21ST ST	27.88	NB	F-1	VARIABLES
ATB	SR 11 & 21ST ST	28.63	NB	F-2	VARIABLES
ATB	SR 11 & 21ST ST	28.52	SB	F-3	VARIABLES
ATB	SR 11 & 21ST ST	28.87	SB	F-4	VARIABLES
ATB	SR 11 & SR 531	27.88	NB	G-1	VARIABLES
ATB	SR 11 & SR 531	28.96	SB	G-2	VARIABLES

COUNTY	INTERCHANGE	SLM	DIRECTION	RAMP ID	PW (FEET)
ATB	SR 11 & IR 90	23.06	NB	B-1	VARIABLES
ATB	SR 11 & IR 90	23.26	NB	B-2	VARIABLES
ATB	SR 11 & IR 90	23.66	NB	B-3	VARIABLES
ATB	SR 11 & IR 90	23.96	NB	B-4	VARIABLES
ATB	SR 11 & IR 90	22.94	SB	B-5	VARIABLES
ATB	SR 11 & IR 90	23.23	SB	B-6	VARIABLES
ATB	SR 11 & IR 90	23.64	SB	B-7	VARIABLES
ATB	SR 11 & IR 90	23.84	SB	B-8	VARIABLES

⑥* APPLIES TO ABOVE SECTIONS ONLY



TYPICAL SECTION 3

TYPICAL SECTION 3 & TYPICAL SECTION 2 APPLIES

COUNTY	INTERCHANGE	SLM	DIRECTION	RAMP ID	PW (FEET)
ATB	SR 11 & SEVEN HILLS RD	24.30	NB	C-1	VARIABLES
ATB	SR 11 & SEVEN HILLS RD	24.89	NB	C-2	VARIABLES
ATB	SR 11 & SEVEN HILLS RD	24.12	SB	C-3	VARIABLES
ATB	SR 11 & SEVEN HILLS RD	24.70	SB	C-4	VARIABLES
ATB	SR 11 & SR 84	25.79	SB	D-3	VARIABLES
ATB	SR 11 & SR 84	26.16	SB	D-4	VARIABLES

LEGEND

- ① ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5")
- ② ITEM 407, NON-TRACKING TACK COAT @ 0.08 GAL/SY
- ③ ITEM 408, PRIME COAT, AS PER PLAN @ 0.04 GAL/SY
- ④ ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PWL, 2024, AS PER PLAN (T=1.5")
- ⑤ ITEM 617, COMPACTED AGGREGATE, AS PER PLAN (T=2")
- ⑥ ITEM 618, RUMBLE STRIPS, EDGE LINE, ASPHALT CONCRETE

- Ⓐ EXISTING 9" CONCRETE BASE
- Ⓑ EXISTING 8" AGGREGATE BASE
- Ⓒ EXISTING 5" ASPHALT PAVEMENT
- Ⓓ EXISTING 4" ASPHALT PAVEMENT
- Ⓔ EXISTING CURB



DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.
 2020

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

EXJ-4-87 DATED (REVISED) 7/15/22

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

- SS 843 DATED 10/18/19
- SS 844 DATED 4/20/18
- SS 848 DATED 1/15/21

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, 105.02, AND 513.04*. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

PROPOSED WORK TABLE

BRIDGE	SFN	FEATURE INTERSECTED	DECK SEALING	DECK PATCHING	CONCRETE PATCHING	CONCRETE SEALING	SPALL REMOVAL	SCUPPER CLEANOUT	CLEARING AND GRUBBING, AS PER PLAN	OTHER
ATB-11-2344L	0401447	OVER ATB-90	X		X	X			X	
ATB-11-2344R	0401471	OVER ATB-90	X		X	X			X	
ATB-20-1371	0402222	OVER ATB-11						X	X	
ATB-11-2384	0401501	GARRISON RD. OVER ATB-11	X		X		X		X	X
ATB-11-2461	0401536	SEVEN HILLS RD. OVER ATB-11	X	X	X	X			X	X
ATB-11-2469	0401595	UNDER NORFOLK SOUTHERN RR							X	
ATB-11-2515	0401625	PLYMOUTH RD. OVER ATB-11	X		X	X			X	X
ATB-11-2515L	0401684	OVER ASHTABULA RIVER			X	X		X	X	
ATB-11-2515R	0401714	OVER ASHTABULA RIVER			X	X			X	
ATB-11-2542	0401749	STATE RD. OVER ATB-11	X	X	X		X		X	X
ATB-84-1475	0403393	OVER ATB-46 AND ATB-11			X		X	X	X	X
ATB-11-2619	0401773	UNDER NORFOLK SOUTHERN RR			X				X	
ATB-11-2749L	0401803	OVER STATE RD		X		X			X	X
ATB-11-2750R	0401838	OVER STATE RD	X	X		X			X	
ATB-11-2782R	0401897	OVER CSX RR	X	X	X	X			X	X
ATB-11-2783L	0401862	OVER CSX RR	X			X			X	
ATB-11-2822	0401927	21ST ST. OVER ATB-11	X	X	X	X			X	X
ATB-11-2839	0401951	OVER FIELDS BROOK							X	X

PROPOSED WORK DESCRIPTION

DECK SEALING

SEAL EXISTING WEARING SURFACE AND APPROACH SLABS WITH GRAVITY-FED RESIN

DECK PATCHING

REPAIR UNSOUND AREAS OF THE EXISTING DECK AND APPROACH SLABS

CONCRETE PATCHING

PATCH ALL UNSOUND AREAS OF THE SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALANT

OTHER

- ATB-11-2384:
 - REMOVE AND REPLACE ELASTOMERIC STRIP SEAL GLANDS
 - HEAT STRAIGHTEN DAMAGED BEAM
- ATB-11-2461:
 - REFURBISH AND RESET THE ABUTMENT BEARINGS
- ATB-11-2515:
 - REMOVE AND REPLACE THE ELASTOMERIC STRIP SEAL GLAND IN THE EXPANSION JOINTS
- ATB-11-2542:
 - RESET AND REFURBISH ALL ABUTMENT BEARINGS
 - REPLACE DETERIORATED END CROSSFRAMES AND REPAIR THE BEAM ENDS
 - REMOVE AND REPLACE THE ELASTOMERIC STRIP SEAL GLAND IN THE EXPANSION JOINTS
- ATB-84-1475:
 - REPLACE DETERIORATED END CROSSFRAMES AND REPAIR THE BEAM ENDS
- ATB-11-2749L:
 - REMOVE AND REPLACE THE EXISTING CONCRETE WEARING SURFACE WITH A FIBER REINFORCED CONCRETE OVERLAY
- ATB-11-2782R:
 - REPAIR UNDERMINING AND EROSION AT THE FORWARD RIGHT CORNER
- ATB-11-2822:
 - RESET AND REFURBISH THE ABUTMENT BEARINGS
 - REMOVE AND REPLACE THE ELASTOMERIC STRIP SEAL GLAND IN THE EXPANSION JOINTS
 - REPAIR SLOPE PROTECTION ALONG REAR ABUTMENT
- ATB-11-2839:
 - REPAVE CONDUIT INVERT

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS

ALTHOUGH NO TREES OR STUMPS ARE SPECIFICALLY MARKED FOR REMOVAL WITHIN THE PLANS, A LUMP SUM QUANTITY IS INCLUDED IN THE STRUCTURE GENERAL SUMMARY FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS. SCALPING IS NOT REQUIRED FOR THIS ITEM OF WORK. ALL VEGETATION SHALL BE REMOVED WITHIN 15 FEET (OR TO THE R/W LIMITS, WHICHEVER IS CLOSER) OF THE HEADWALLS, ABUTMENTS AND/OR PIERS.

ALL OTHER PROVISIONS AS SET FORTH IN THE CMS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS.

ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN

PRIOR TO THE SURFACE CLEANING SPECIFIED IN C&MS 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE: HIGH-PRESSURE WATER BLASTING WITH, OR WITHOUT, ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT OR VACUUM ABRASIVE BLASTING.

ITEM 518 - SCUPPER MISC.: CLEANOUT

THIS WORK WILL CONSIST OF REMOVING ALL DEBRIS FROM ON TOP AND INSIDE OF THE SCUPPERS. SCUPPER CLEANOUT WILL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM 518, SCUPPER MISC.: CLEANOUT. THIS PRICE WILL INCLUDE THE COST FOR LABOR, EQUIPMENT, AND ALL INCIDENTALS REQUIRED TO COMPLETE THIS WORK.

SPECIAL - PATCHING CONCRETE STRUCTURE, CURB REPAIR (ATB-11-2822)

THIS ITEM WILL BE USED TO REPAIR THE DETERIORATED FACE OF THE CURB ON THE BRIDGE DECK AND/OR APPROACH SLABS. THIS WORK WILL BE PERFORMED IN ACCORDANCE WITH ITEM 519 - PATCHING CONCRETE STRUCTURES AND AS MODIFIED HEREIN.

PRIOR TO THE SURFACE CLEANING SPECIFIED IN 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING.

PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID FOR SPECIAL - PATCHING CONCRETE STRUCTURE, MISC.: CURB REPAIR AND WILL BE PAID FOR PER FOOT.

SPECIAL - STRUCTURES: CONCRETE SPALL REMOVAL

THIS WORK WILL CONSIST OF REMOVING ALL VISIBLY SPALLED AREAS OF THE BOTTOM DECK FLOOR OF STRUCTURE(S) ATB-11-2384, ATB-11-2542, & ATB-84-1475 WITHOUT SOUNDING. AFTER SPALLED CONCRETE AREAS HAVE BEEN REMOVED, REMOVAL AREAS WILL BE SEALED WITH ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE). changed sealant type

CONCRETE SPALL REMOVAL WILL BE PAID FOR AT THE UNIT BID PRICE FOR SPECIAL – STRUCTURE MISC.: CONCRETE SPALL REMOVAL. THIS PRICE WILL INCLUDE THE COST OF LABOR, EQUIPMENT, AND ALL INCIDENTALS REQUIRED TO COMPLETE THIS WORK.

ALL SPALLED AREAS OF THE BOTTOM DECK FLOOR OVER TRAFFIC SHALL ALSO BE PATCHED USING ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR AND ITEM 519 - SPECIAL - COMPOSITE FIBER WRAP SYSTEM AS DIRECTED BY THE PROJECT ENGINEER, AND SEALED WITH ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE). added


SFN	0
DESIGN AGENCY	
DESIGNER	CHECKER
MJA	TJP
REVIEWER	
TJP 01-31-23	
PROJECT ID	
84625	
SUBSET	TOTAL
1	11
SHEET	TOTAL
P.23	36

CALC: MJA DATE: 12/29/2022
 CHECKED: TJP DATE: 1/31/2023

ESTIMATED QUANTITIES												
BRIDGE NO. / STRUCTURE FILE NO.								ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
ATB-11-2344L 0401447 02/INS/47	ATB-11-2344R 0401471 02/INS/47	ATB-20-1371 0402222 03/NHS/47	ATB-11-2384 0401501 03/NHS/47	ATB-11-2461 0401536 03/NHS/47	ATB-11-2469 0401595 03/NHS/47	ATB-11-2515 0401625 03/NHS/47	ATB-11-2515L 0401684 03/NHS/47					
LS	LS	LS	LS	LS	LS	LS	LS	SPECIAL	20111001	LS	CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURE/CULVERTS	1/11
				50		50	50	509	10001	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	3/11
2633	2633		812	1235		822	5542	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
879	879					487	2602	512	74000	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
2075	2075		304	855		855	3563	512	74500	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
896	896		34			510	3152	512	10100	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
			5					512	10600	FT	CONCRETE REPAIR BY EPOXY INJECTION	
			1					513	95000	FT	STRUCTURAL STEEL, MISC.: REPAIR OF DAMAGED MAIN OR SECONDARY MEMBER, FILLET WELDING	
			6					514	20001	SF	FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN	
								516	01300	FT	ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS	
			140			59		SPECIAL	51647001	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	2/11
		6						518	12500	EACH	SCUPPER, MISC.: CLEANOUT	
			150					SPECIAL	51900100	SF	COMPOSITE FIBER WRAP SYSTEM	
150	150		300	100		100	450	519	11101	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	1/11
				13		1	57	519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	
			30					SPECIAL	53000600	SF	STRUCTURES, CONCRETE SPALL REMOVAL	
			30					843	50000	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
				75		100	100	844	10000	SF	CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION	
			LS					849	10000	LS	DAMAGE ASSESSMENT	
			LS					849	10500	LS	SURFACE PREPARATION	
			1					849	10600	HOUR	REPAIRING DAMAGED MEMBERS BY GRINDING	
			LS					849	10700	LS	STRAIGHTENING DAMAGED MEMBERS	

ESTIMATED QUANTITIES

SFN
0
DESIGN AGENCY



DESIGNER: MJA CHECKER: TJP
 REVIEWER: TJP 01-31-23
 PROJECT ID: 84625
 SUBSET TOTAL: 4 11
 SHEET TOTAL: P.26 36