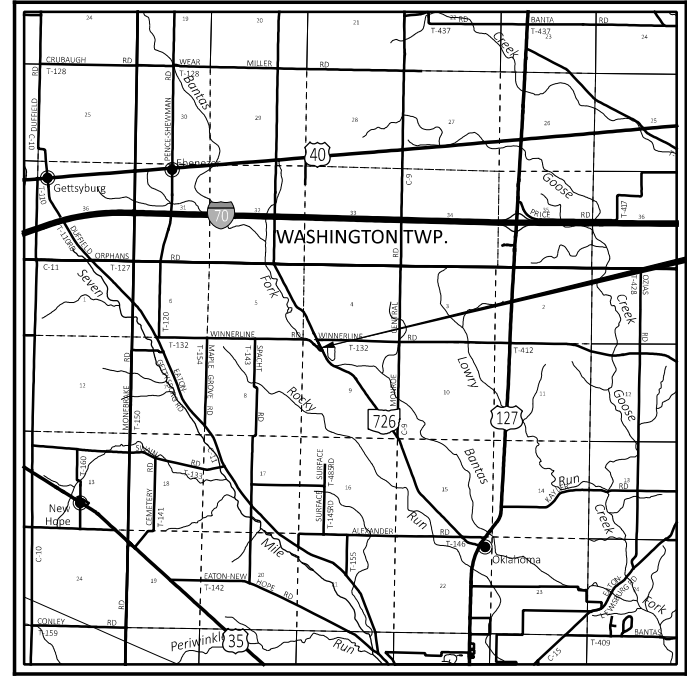


MODEL: Sheet PAPER: 17x11 (in.) DATE: 2/23/2026 TIME: 5:48:55 PM PLTDRV: OHDOT_PDF.plt PENTBL: OHDOT_Pen.tbl USER: Christopher.Howard@odo.ohio.gov WORKSPACE: CHDOTCEV02 WORKSET: 102766 PRODUCT: OpenRoadsDesigner 24.00.00.205
 pwc:\ohdot\pww\benley.com\shdot\pww-02\Documents\01 Active Projects\District 08\Preble\102766\400-Engineering\Roadway\Sheets\102766_G1T001.dgn

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

PRE - SR 726 - 2.74

WASHINGTON TOWNSHIP
PREBLE COUNTY



LOCATION MAP

LATITUDE: N39°48'57.47" LONGITUDE: W84°40'01.29"



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

DESIGN DESIGNATION

CURRENT ADT (2027)	1200
DESIGN YEAR ADT (2047)	1200
DESIGN HOURLY VOLUME (2047)	200
DIRECTIONAL DISTRIBUTION	52.9%
TRUCKS (24 HOUR B&C)	4%
DESIGN SPEED	60 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
(05) RURAL MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

DESIGN FEATURE	APPROVAL DATE	SHEET
LANE WIDTH	07/30/24	3

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

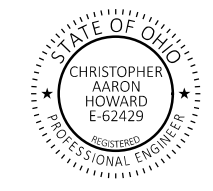
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8 ENGINEERING
505 SOUTH SR 741 LEBANON, OHIO 45036

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC PLAN	2
TYPICAL SECTIONS	3
GENERAL NOTES	4
MAINTENANCE OF TRAFFIC	5 - 6
GENERAL SUMMARY	7
ROADWAY & TRAFFIC CONTROL QUANTITIES	8 - 9
ROADWAY PLAN & PROFILE	10
ROADWAY CROSS SECTIONS	11 - 17
STRUCTURE, OVER 20 FT SPAN	18 - 30
GEOTECHNICAL FOUNDATION EXPLORATION	31 - 39

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	1/19/24	CS-1-24	7/19/24	800-2023	1/16/25	ASBESTOS INSPECTION REPORT 2/20/24	ENGINEER'S SEAL
		DS-1-92	7/15/22	832	7/18/25		
		PCB-91	7/17/20	846	4/17/16		
DM-1.2	1/17/25	TST-2-21	1/17/25	878	1/21/25		
DM-4.1	7/17/20						
		MT-97.10	7/18/25				
		MT-101.60	1/17/25				
MGS-2.1	7/18/25	MT-105.10	1/17/20				
MGS-3.3	7/18/25						
MGS-5.3	7/15/16	HL-50.21	7/15/22				
		TC-61.30	7/19/24				
AS-1-15	1/20/23	TC-65.10	1/17/14				
AS-2-15	7/21/23	TC-65.11	1/17/25				
CPA-1-08	1/19/24						
CPP-1-08	7/21/17						



FEDERAL PROJECT NUMBER

E170721

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

STRUCTURE REPLACEMENT FOR BRIDGE PRE-726-0274 OVER BANTAS FORK. NEW ABUTMENTS SHALL BE INTEGRAL TYPE. A PORTION OF THE EXISTING PIER PILING SHALL BE SALVAGED FOR RE-USE AND INCORPORATED INTO THE NEW STRUCTURE.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	1.53 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	1.53 ACRES < 5 ACRES N.O.I. NOT REQUIRED

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.

NOTE:

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 6 .

Douglas A. Gruver, P.E.
District 08 Deputy Director

Pamela Boratyn
Director, Department of Transportation

TITLE SHEET

DESIGN AGENCY

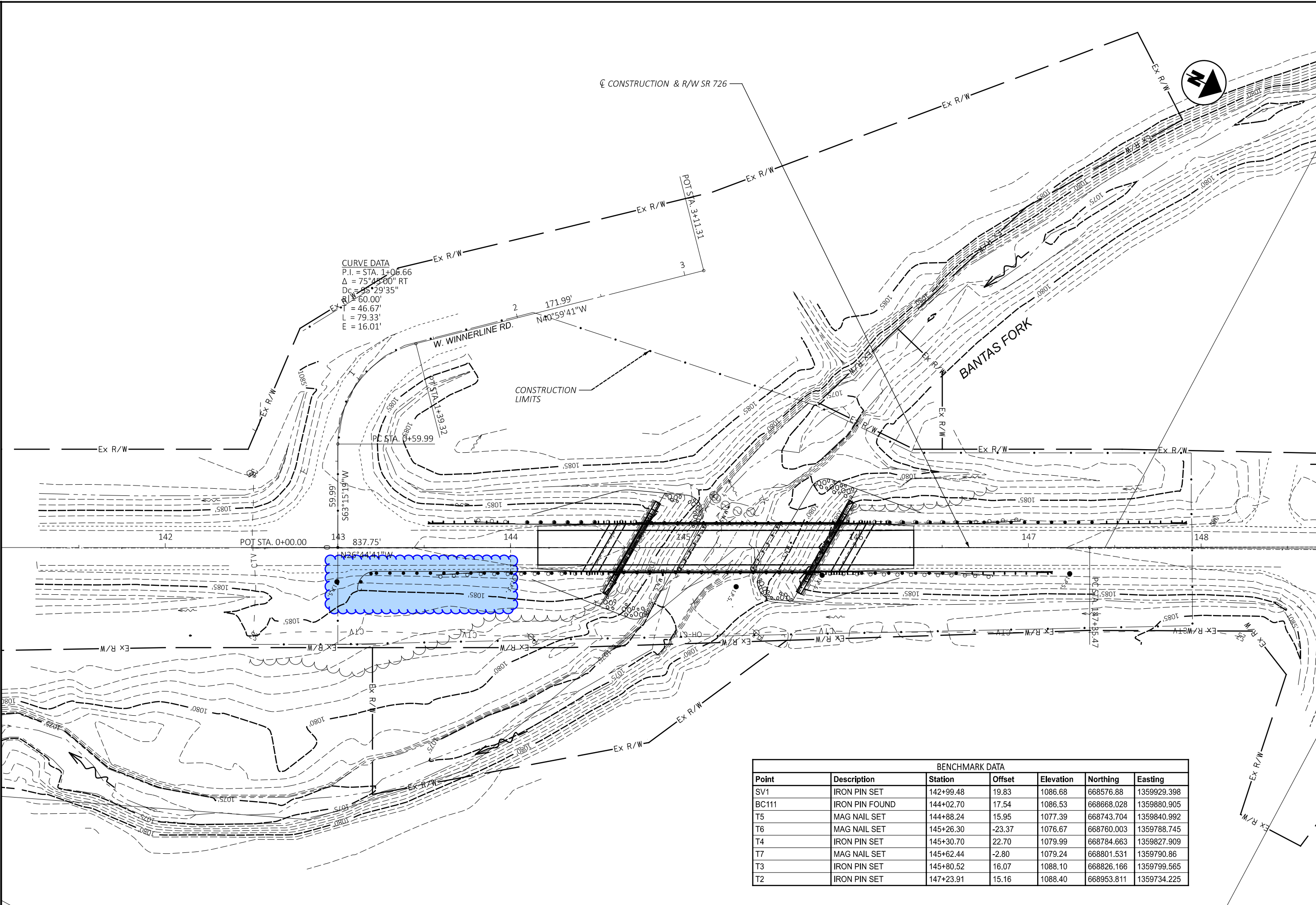


DESIGNER
CAH

REVIEWER
JDO MM-DD-YY

PROJECT ID
102766

SHEET	TOTAL
01	39



BENCHMARK DATA

Point	Description	Station	Offset	Elevation	Northing	Easting
SV1	IRON PIN SET	142+99.48	19.83	1086.68	668576.88	1359929.398
BC111	IRON PIN FOUND	144+02.70	17.54	1086.53	668668.028	1359880.905
T5	MAG NAIL SET	144+88.24	15.95	1077.39	668743.704	1359840.992
T6	MAG NAIL SET	145+26.30	-23.37	1076.67	668760.003	1359788.745
T4	IRON PIN SET	145+30.70	22.70	1079.99	668784.663	1359827.909
T7	MAG NAIL SET	145+62.44	-2.80	1079.24	668801.531	1359790.86
T3	IRON PIN SET	145+80.52	16.07	1088.10	668826.166	1359799.565
T2	IRON PIN SET	147+23.91	15.16	1088.40	668953.811	1359734.225

SCHEMATIC PLAN

DESIGN AGENCY



DESIGNER
CAH

REVIEWER
JDO MM-DD-YY

PROJECT ID
102766

SHEET TOTAL
02 39

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

BRIGHTSPEED
20 N MECHANIC ST
LEBANON, OH 45036
513-933-3502 (JORDAN LANGSTON)
JORDAN.LANGSTON@BRIGHTSPEED.COM

AES OHIO
1900 DRYDEN RD
DAYTON, OH 45439
937-554-9063 (WILLIAM WARD)
WILLIAM.WARD@AES.COM

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENTIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

EXISTING PLANS

EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT 8 OFFICE IN LEBANON, OHIO.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, THE CONTRACTOR SHALL ADHERE TO ALL LOCAL NOISE ORDINANCES. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 4 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: O.D.O.T. REAL TIME NETWORK
MONUMENT TYPE: TYPE "B"

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAV 83 (2011)
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO SOUTH ZONE (SPC 3402)
COMBINED SCALE FACTOR: 1.00
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SEEDING AND MULCHING 806 SQ. YD.
659, REPAIR SEEDING AND MULCHING 40 SQ. YD.
659, COMMERCIAL FERTILIZER 0.11 TON
659, LIME 0.17 ACRES
659, WATER 4.4 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN

WHERE DESIGNATED, EXISTING ANCHOR ASSEMBLIES INCLUDING ALL POSTS AND HARDWARE SHALL BE REMOVED. THIS ITEM SHALL ALSO INCLUDE THE REMOVAL OF THE ENTIRE CONCRETE ANCHOR AND CONCRETE ENCASEMENT. ALL HOLES LEFT AFTER REMOVAL OF ASSEMBLIES AND POSTS SHALL BE FILLED WITH GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER. PAYMENT SHALL INCLUDE ALL NECESSARY LABOR AND EQUIPMENT REQUIRED TO PERFORM THE WORK AS INDICATED ABOVE. PAYMENT SHALL BE AT THE UNIT BID PRICE.

ITEM 202 BRIDGE TERMINAL ASSEMBLY REMOVED

THIS PAY ITEM IS TO INCLUDE REMOVAL OF ALL EXTRA GUARDRAIL COMPONENTS IN EXCESS OF NORMAL GUARDRAIL WITHIN THE LIMITS OF THE BRIDGE TERMINAL ASSEMBLY.

PERMANENT PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS

ALL EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS ON THE BRIDGE SUPERSTRUCTURES AND APPROACH PAVEMENTS SHALL BE REPLACED AS SHOWN IN THE PLANS.

THE CONTRACTOR SHALL REFERENCE ALL EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS BEFORE THE START OF ANY PAVEMENT REMOVAL. THIS WILL BE NECESSARY TO ASSURE CORRECT REPLACEMENT IN THEIR ORIGINAL AND/OR RECONFIGURED LOCATIONS. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO THE RESPECTIVE PROPOSED PAVEMENT MARKING AND RPM PAY ITEMS.

ITEM 623 - CONSTRUCTION LAYOUT STAKES & SURVEYING, AS PER PLAN

PRIOR TO THE START OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNER SATISFACTORY TO THE ENGINEER. THE PAVEMENT SHALL BE REFERENCED IN 25 FOOT INCREMENTS, OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMI-PERMANENT CONDITION.

ASBESTOS ABATEMENT

AN ASBESTOS SURVEY FOR SFN 6804594 SCHEDULED FOR RENOVATION WORK WAS CONDUCTED BY A LICENSED ASBESTOS HAZARD EVALUATION SPECIALIST. THE ASBESTOS SURVEY DID NOT IDENTIFY THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS.

ELECTRONIC SUBMISSION:

THE CONTRACTOR SHALL SUBMIT ELECTRONICALLY TO OEPA A COMPLETED NOTIFICATION OF DEMOLITION & RENOVATION FORM (NDRF) AND APPLICABLE FEES ALONG WITH THE ASBESTOS SURVEY REPORT. THE COMPLETED NDRF MUST BE SUBMITTED TO OEPA AT LEAST 10 DAYS PRIOR TO ANY DEMOLITION AND RENOVATION ACTIVITY. THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AN ELECTRONIC COPY OF THE NDRF (IN PDF FORM) FOR SUBMISSION TO THE DISTRICT ENVIRONMETNAL STAFF AND A ONE HARD COPY TO THE PROJECT ENGINEER.

(GO TO THE OEPA EBUSINESS CENTER AND SUBMIT THE DNRF AND PAYMENT ALONG WITH THE ASBESTOS SURVEY REPORT)

HARD COPY SUBMISSION:

THE CONTRACTOR MAY ELECT TO SUBMIT A HARD COPY OF THE COMPLETED NDRF AND PAYMENT ALONG WITH THE ASBESTOS SURVEY REPORT TO THE FOLLOWING:

ASBESTOS PROGRAM OHIO EPA, DAPC P.O. BOX 1049 COLUMBUS, OHIO 43216-1049
OR
ASBESTOS PROGRAM OHIO EPA, DAPC 50 W. TOWN ST., SUITE 700 COLUMBUS, OHIO 43215

IF THE CONTRACTOR ELECTS TO SUBMIT A HARD COPY TO OEPA THEY ARE RESPONSIBLE FOR RETAINING A HARD COPY OF THE NDRF FOR SUBMISSION TO THE DISTRICT ENVIRONMETNAL STAFF AND A ONE HARD COPY TO THE PROJECT ENGINEER.

BASIS OF PAYMENT

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

690E71000 ITEM SPECIAL - MISC.: WORK INVOLVING ASBESTOS CONTAINING MATERIALS - LUMP SUM

IN-STREAM WORK RESTRICTION DATES

THE CONTRACTOR WILL NOT PERFORM ANY WORK BELOW THE ORDINARY HIGH WATER MARK OF BANTAS FORK, OR INSTALL, MODIFY, OR REMOVE ANY EXISTING INSTREAM FILLS DURING THE ODNR INSTREAM WORK RESTRICTION PERIOD OF APRIL 15 TO JUNE 30.

BAT TREE CUTTING RESTRICTIONS

ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATRE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.


DESIGN AGENCY



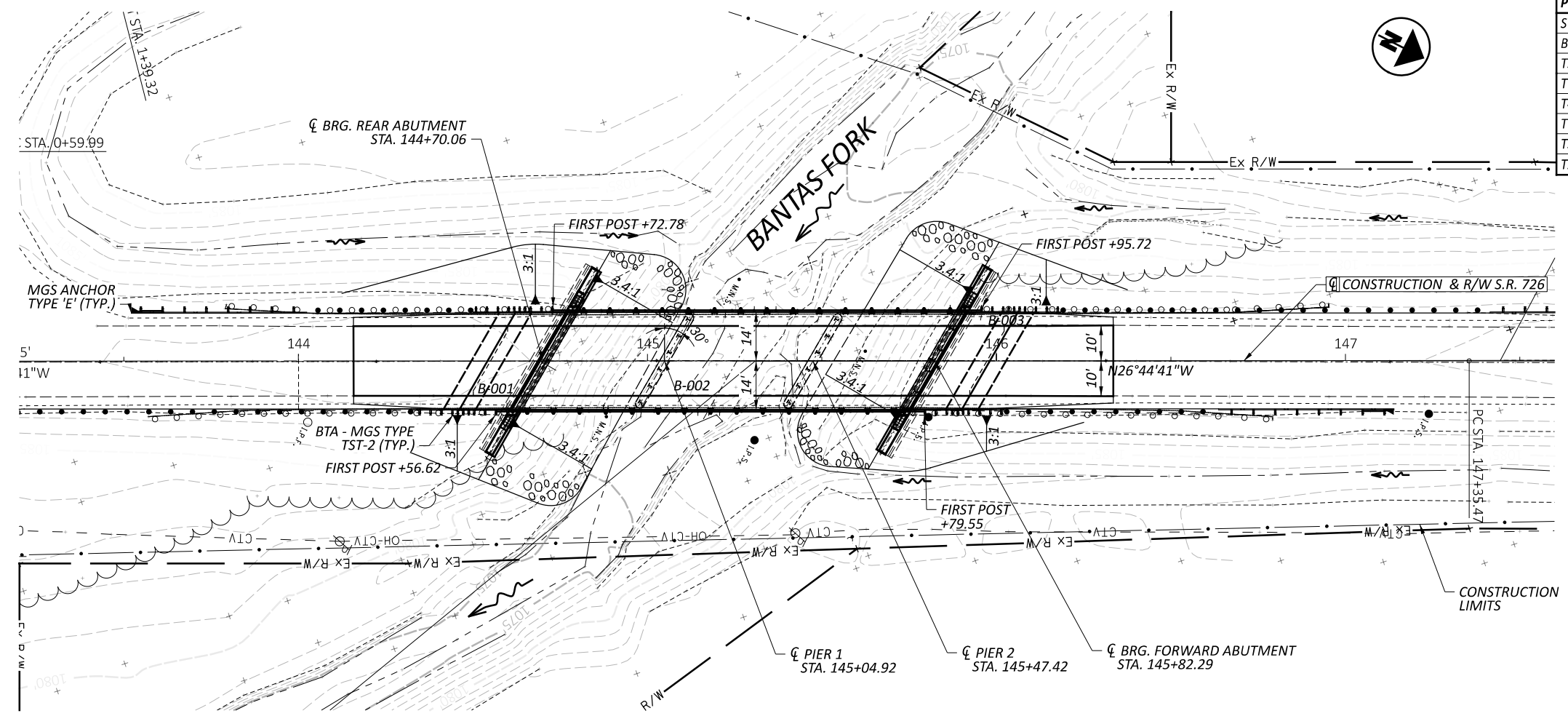
DESIGNER	CAH
REVIEWER	JDO MM-DD-YY
PROJECT ID	102766
SHEET	TOTAL
04	39

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	8	9	11	12	13	14	15	16	17		01/STR	EXT	TOTAL				
ROADWAY																		
LUMP												LUMP	201	11000	LS	CLEARING AND GRUBBING		
		93										93	202	22900	93	SY	APPROACH SLAB REMOVED	
		309										309	202	23000	309	SY	PAVEMENT REMOVED (ASPHALT)	
			300									300	202	38000	300	FT	GUARDRAIL REMOVED	
			4									4	202	42001	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN	
			4									4	202	47000	4	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
				9	37	60	19	25	57	30		237	203	10000	237	CY	EXCAVATION	
				13	41	33	14	9	60	45		215	203	20000	215	CY	EMBANKMENT	
			350									350	606	15050	350	FT	GUARDRAIL, TYPE MGS	
			3									3	606	26150	3	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016 SOFT STOP)	
			1									1	606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
			4									4	606	34600	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE TST-2	
												LUMP	878	25000	LS	INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS		
																	EROSION CONTROL	
			294									294	601	32104	294	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC	
40				50	176	128	53	63	117	219		806	659	10000	806	SY	SEEDING AND MULCHING	
0.11												40	659	14000	40	SY	REPAIR SEEDING AND MULCHING	
0.17												0.11	659	20000	0.11	TON	COMMERCIAL FERTILIZER	
4.4												0.17	659	31000	0.17	ACRE	LIME	
												4.4	659	35000	4.4	MGAL	WATER	
												8,000	832	30000	8,000	EACH	EROSION CONTROL	
																	ENVIRONMENTAL / REMEDIATION	
LUMP												LUMP	SPECIAL	69071000	LS	ASBESTOS ABATEMENT (WORK INVOLVING ASBESTOS CONTAINING MATERIALS)	4	
																	PAVEMENT	
		332										332	204	10000	332	SY	SUBGRADE COMPACTION	
		0.17										0.17	204	45000	0.17	HOUR	PROOF ROLLING	
		36										36	301	56000	36	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
		54										54	304	20000	54	CY	AGGREGATE BASE	
		39										39	407	20000	39	GAL	NON-TRACKING TACK COAT	
		8										8	441	70000	8	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
		11										11	441	70300	11	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
																	TRAFFIC CONTROL	
			2									2	621	00100	2	EACH	RPM	
			2									2	621	54000	2	EACH	RAISED PAVEMENT MARKER REMOVED	
			14									14	626	00110	14	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)	
		0.03										0.03	644	00104	0.03	MILE	EDGE LINE, 6"	
		0.02										0.02	644	00300	0.02	MILE	CENTER LINE	
		0.05										0.05	646	10010	0.05	MILE	EDGE LINE, 6"	
		0.07										0.07	646	10200	0.07	MILE	CENTER LINE	
																	STRUCTURE OVER 20 FOOT SPAN (PRE-726-2.74 SFN:6804595)	
																	21	
																	MAINTENANCE OF TRAFFIC	
	LUMP											LUMP	614	12420	LS	DETOUR SIGNING		
																	INCIDENTALS	
LUMP	LUMP											LUMP	614	11000	LS	MAINTAINING TRAFFIC		
												LUMP	623	10001	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	4	
												LUMP	624	10000	LS	MOBILIZATION		

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 CAH
 REVIEWER
 JDO MM-DD-YY
 PROJECT ID
 102766
 SHEET TOTAL
 07 39

MODEL: Centerline-1 - Plan 5 (Sheet) PAPER SIZE: 17x11 (in.) DATE: 3/23/2026 TIME: 4:19:41 PM PLTDRY: OHDOT_PDF.plt PLOT: OHDOT_Pen.tbl USER: Christopher.Howard@dot.ohio.gov WORKSPACE: OHDOTCEV02 WORKSET: 102766 PRODUCT: OpenRoadsDesigner 24.00.00.205
 p:\ohdot\p-w-bentley.com\ohdot\p-w-02\Documents\01-Active Projects\District 08\PreSR 726-2.74\Engineering\Structures\SFN_6804594\Sheets\102766_SFN_6804594_SPO01.dgn



BENCHMARK DATA						
Point	Description	Station	Offset	Elevation	Northing	Easting
SV1	IRON PIN SET	142+99.48	19.83	1086.68	668576.88	1359929.398
BC111	IRON PIN FOUND	144+02.70	17.54	1086.53	668668.028	1359880.905
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T4	IRON PIN SET	145+30.70	22.70	1079.99	668784.663	1359827.909
T7	MAG NAIL SET	145+62.44	-2.80	1079.24	668801.531	1359790.86
T3	IRON PIN SET	145+80.52	16.07	1088.10	668826.166	1359799.565
T2	IRON PIN SET	147+23.91	15.16	1088.40	668953.811	1359734.225

DESIGN TRAFFIC:
 2027 ADT = 1200 VPD 2027 ADTT = 48 VPD
 2047 ADT = 1200 VPD 2047 ADTT = 48 VPD
 DIRECTIONAL DISTRIBUTION = 52.9%

LEGEND

◆ BORING LOCATION

NOTES:

1. PROVIDE STRUCTURE GROUNDING PER STD. DWG. HL-50.21.
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

HYDRAULIC DATA

DRAINAGE AREA = 7.69 SQ. MILES
 Q (10) = 1,550 CFS V (10) = 3.21 FT/S
 Q (100) = 2,820 CFS V (100) = 4.50 FT/S
 STRUCTURE CLEARS THE 10 YEAR DESIGN HW BY 2.74 FEET.

EXISTING STRUCTURE

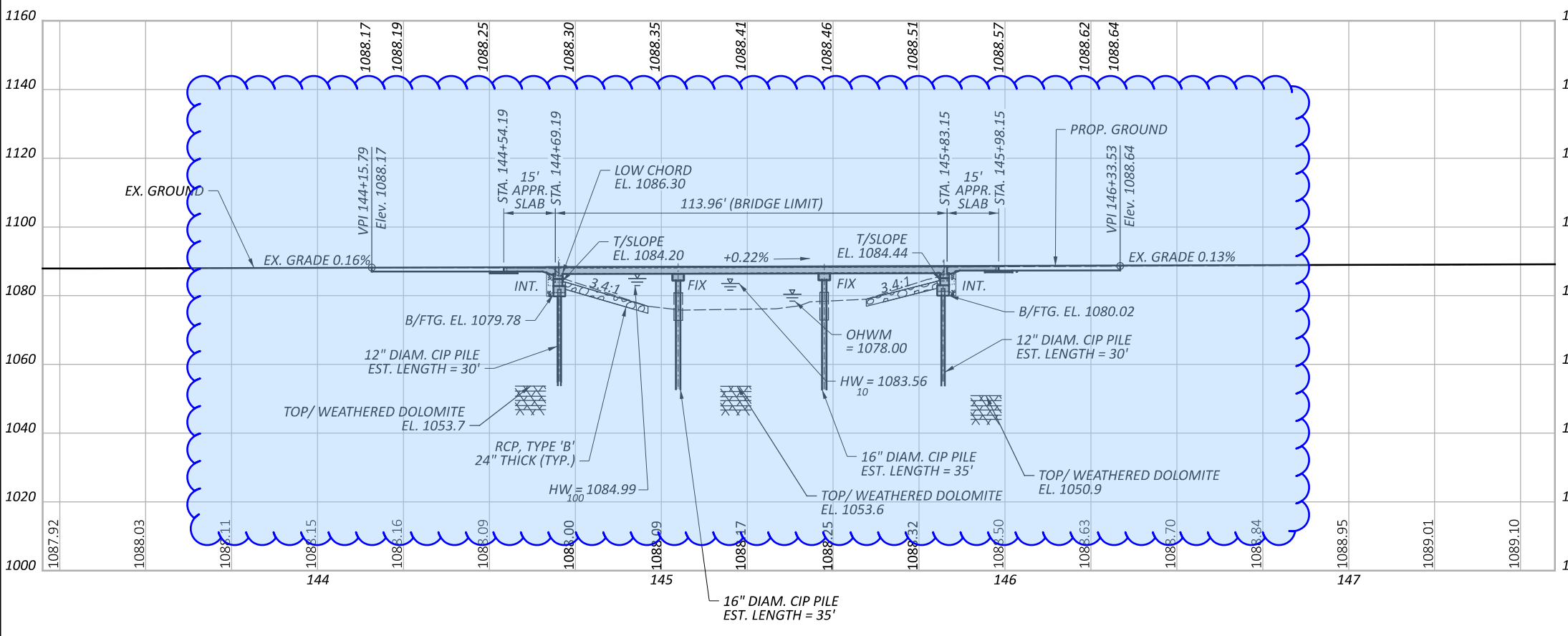
TYPE: CONTINUOUS REINFORCED CONCRETE SLAB SUPPORTED ON CAPPED PILE PIERS AND ABUTMENTS

SPANS: 34'-0", 42'-6", 34'-0"
 ROADWAY: 28'-0" F/F OF RAILING
 LOADING: CF=30(51)
 SKEW: 30°00'00" LEFT FWD.
 WEARING SURFACE: 1.5" MSC OVERLAY
 APPROACH SLABS: 15'-0"
 ALIGNMENT: TANGENT
 CROWN: 0.0156 FT/FT
 STRUCTURE FILE NUMBER: 6804594
 DATE BUILT: 1958, REHAB 2000
 DISPOSITION: REPLACE BRIDGE. SALVAGE SUBSTRUCTURE PILING

PROPOSED STRUCTURE

TYPE: CONTINUOUS REINFORCED CONCRETE SLAB SUPPORTED ON CAPPED PILE PIERS AND INTEGRAL ABUTMENTS

SPANS: 34'-10 1/2", 42'-6", 34'-10 1/2"
 ROADWAY: 28'-0" F/F OF RAILING
 LOADING: HL93 AND NO FUTURE WEARING SURFACE (NON-NHS)
 SKEW: 30°00'00" LEFT FWD.
 WEARING SURFACE: MONOLITHIC CONCRETE
 APPROACH SLABS: 15'-0" LONG (AS-1-15, AS-2-15)
 ALIGNMENT: TANGENT
 CROWN: 0.016 FT/FT
 DECK AREA: 3,192 SF
 STRUCTURE FILE NUMBER: 6804595
 COORDINATES: LATITUDE N39°48'57.48"
 LONGITUDE W84°40'01.30"



BRIDGE SITE PLAN
 BRIDGE No.: PRE-SR 726-0274
 SR 726 OVER BANTAS FORK

SFN	6804595
DESIGN AGENCY	
DESIGNER	CAH
CHECKER	RSK
REVIEWER	GTF
PROJECT ID	MM-DD-Y
SUBSET	102766
SHEET	18
TOTAL	13
TOTAL	39

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

- AS-1-15 DATED (REVISED) 1-20-23
- AS-2-15 DATED (REVISED) 7-21-23
- CPA-1-08 DATED (REVISED) 1-19-24
- CPP-1-08 DATED (REVISED) 7-21-17
- CS-1-24 DATED (REVISED) 7-19-24
- DS-1-92 DATED (REVISED) 7-15-22
- PCB-91 DATED (REVISED) 7-17-20
- TST-2-21 DATED (REVISED) 1-17-25

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

SS 846 DATED 4/17/15

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 10th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2023 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING

DESIGN LOADING INCLUDES:

- VEHICULAR LIVE LOAD: HL-93
- FUTURE WEARING SURFACE OF 0 KIPS/SQ.FT FOR NON-NHS BRIDGE

DESIGN DATA

CONCRETE CLASS QC2: (SUPERSTRUCTURE)
COMPRESSIVE STRENGTH 4.5 KSI

CONCRETE CLASS QC1: (SUBSTRUCTURE)
COMPRESSIVE STRENGTH 4.0 KSI

CONCRETE REINFORCEMENT:
GALVANIZED STEEL REINFORCEMENT
MINIMUM YIELD STRENGTH 60-KSI

STRUCTURAL STEEL - ASTM A709 GRADE (50) - YIELD STRENGTH (50) KSI

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

DECK PROTECTION METHOD:

- GALVANIZED REINFORCING STEEL
- 2½" CONCRETE COVER
- STEEL DRIP STRIP
- SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

ITEM 526 - TYPE A INSTALLATION, AS PER PLAN

REBAR USED FOR THIS ITEM OF WORK SHALL BE GALVANIZED.

SUPERSTRUCTURE AND APPROACH SLAB CONSTRUCTION

CONCRETE FOR THE SUPERSTRUCTURE SLAB AND THE ABUTMENT DIAPHRAGM SHALL BE POURED SEPERATELY FROM THE APPROACH SLAB CONCRETE.

ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED EXCEPT AT THE ABUTMENTS WHERE HOE RAMS WILL BE PERMITTED FOR CONCRETE REMOVAL ONCE THE DECK SLAB HAS BEEN REMOVED. THE CONTRACTOR SHALL TAKE CARE NOT TO TAKE ANY ACTIONS THAT WOULD IMPEDE INSTALLATION OF THE NEW PILES AND/OR CONSTRUCTION OF THE NEW SUBSTRUCTURES. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. MUNCHING OF THE CONCRETE PIER CAPS AND ABUTMENTS WITH A CONCRETE PROCESSING ATTACHMENT IS PROHIBITED. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05. PILE DRIVING USE A PILE DRIVING HAMMER OF A (1) RATED ENERGY OF (2) FOOT-POUNDS TO INSTALL THE PILES. ENSURE THAT STRESSES IN THE PILES DURING DRIVING DO NOT EXCEED (3) POUNDS PER SQUARE INCH.

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 AND 105.02. 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.

SCOUR ELEVATIONS

THE DESIGN FLOOD AND CHECK FLOOD SCOUR ELEVATIONS ARE PROVIDED BELOW: (AVG. STREAMBED ELEVATION 1075.6)

	REAR ABUTMENT	PIER 1	PIER 2	FORWARD ABUTMENT
DESIGN FLOOD	1071.8	1071.8	1071.8	1071.8
CHECK FLOOD	1070.4	1070.4	1070.4	1070.4

ITEM 203 EMBANKMENT, AS PER PLAN

PLACE AND COMPACT EMBANKMENT MATERIAL IN 6 INCH LIFTS FOR THE CONSTRUCTION OF THE APPROACH EMBANKMENT.

NON-USE OF ASBESTOS-CONTAINING MATERIALS

THE CONTRACTOR SHALL AT NO TIME INCORPORATE ANY MATERIALS WHICH ARE COMPOSED OF OR CONTAIN ANY AMOUNTS OF ASBESTOS. THE SUBSTITUTION OF MATERIALS WHICH CONTAIN ANY AMOUNTS OF ASBESTOS WILL IN NO CIRCUMSTANCES BE ACCEPTABLE. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF CERTIFICATION ASSERTING THAT NO ASBESTOS CONTAINING MATERIALS WERE USED IN ANY PORTION OF THE CONSTRUCTION.

DECK PLACEMENT DESIGN ASSUMPTIONS

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.3 KIPS.

A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103 INCHES.

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48 INCHES.

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65 INCHES.

PILE DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE (UBV) IS 196 KIPS PER PILE FOR THE FORWARD AND REAR ABUTMENT PILES. THE UBV IS 331 KIPS PER PILE FOR THE PIER PILES. THE UBV FOR THE PIER PILES INCLUDES AN ADDITIONAL 19 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 5.2 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. DRIVE THE PIER PILES TO THE UBV OR A TIP ELEVATION OF 1055.0, WHICHEVER IS DEEPER.

ABUTMENT PILES:

- 12" C.I.P. REINFORCED CONCRETE PILES 30 FEET LONG, ORDER LENGTH = 35 FEET
- 1 DYNAMIC LOAD TESTING ITEM

PIER PILES:

- 16" C.I.P. REINFORCED CONCRETE PILES 35 FEET LONG, ORDER LENGTH = 40 FEET
- 1 DYNAMIC LOAD TESTING ITEM

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.312 INCH FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES.

STEEL POINTS OR SHOES:

USE CONICAL STEEL PILE POINTS TO PROTECT THE TIPS OF THE PROPOSED STEEL CIP REINFORCED CONCRETE PIPE PILES AT ALL SUBSTRUCTURE UNITS.

EXISTING PILING

DUE TO A LACK OF ARCHIVE PILE DRIVING RECORDS, THE STRUCTURAL CAPACITY OF THE EXISTING ABUTMENT AND PIER PILES COULD NOT BE VERIFIED. THEREFORE, THE EXISTING PILING SHALL NOT BE RE-USED FOR THE NEW STRUCTURE EXCEPT AS NOTED ON THE PIER PLANS.

ITEM 512 - SEALING OF CONCRETE SURFACES, (EPOXY-URETHANE)

THIS ITEM INCLUDES SEALING THE CONCRETE SUPERSTRUCTURE AND SUBSTRUCTURE SURFACES OF SPECIFIED BRIDGES AS SHOWN ON THE PLANS. THE COLOR OF THE URETHANE COATING SHALL BE FEDERAL COLOR STANDARD NO. 17778 (LIGHT NEUTRAL).

PAYMENT FOR THIS WORK SHALL INCLUDE ALL EQUIPMENT, MATERIAL AND LABOR NECESSARY TO PERFORM THIS TASK. PAYMENT SHALL BE MADE AT THE BID PRICE PER SQUARE YARD.

FALSEWORK AND FORMS

ALL FALSEWORK SHALL BE DESIGNED AND PLACED SO AS TO NOT UNDULY OBSTRUCT ANY WATERWAY AND SHALL NOT USE EXPANSION ANCHORS TO SUPPORT THE FALSEWORK ON PIERS OR ABUTMENTS PER CMS 508. FOR COMPLETE SLAB REPLACEMENT, FALSEWORK SHALL REMAIN IN PLACE AND PROVIDE CONTINUOUS DECK SUPPORT UNTIL THE DECK CONCRETE HAS FULLY CURED PER CMS 511.14. AT THAT POINT, ALL FALSE-WORK SHALL BE REMOVED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FALSEWORK THAT WILL SUPPORT NOT ONLY THE DEAD LOAD OF THE SUPERSTRUCTURE BUT ALSO THE CONSTRUCTION LIVE LOADS THAT ARE TO BE APPLIED TO THE STRUCTURE AS SPECIFIED IN THESE PLANS. PAYMENT FOR THESE FALSEWORK RESTRICTIONS SHALL BE INCLUDED WITH ITEM 511- CLASS QC2 CONCRETE WITH QC/QA SUPERSTRUCTURE, AS PER PLAN.

ITEM 511 QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE, AS PER PLAN

THIS ITEM SHALL INCLUDE THE CONTINUOUS CONCRETE SLAB AND THE INTEGRAL ABUTMENT DIAPHRAGMS.

THIS ITEM MODIFIES THE STANDARD 511 CONCRETE FOR STRUCTURES SPECIFICATION TO CORROSION INHIBITORS INTO THE SUPERSTRUCTURE CONCRETE. THIS ITEM SHALL CONFORM TO CMS 511 WITH THE FOLLOWING CONDITIONS AND REVISIONS:

PROVIDE MATERIALS CONFORMING TO 511.02 EXCEPT AS MODIFIED BELOW:

PORTLAND CEMENT CONCRETE	499.03, CLASS QC2 MEETING A DESIGN STRENGTH OF 4,500 PSI,
CORROSION INHIBITOR	515.15

THE CLASS QC2 CONCRETE FOR THE SUPERSTRUCTURE SHALL MEET THE FOLLOWING CRITERIA:
WATER/CEMENT RATIO = 0.40 MAXIMUM;

MIX SHALL INCLUDE A MIGRATING CORROSION INHIBITOR AS MANUFACTURED BY AN APPROVED SUPPLIER LISTED ON ODOT'S QUALIFIED APPROVED SUPPLIERS, ITEM 515.15. THE DOSAGE RATE LISTED ON THE ODOT QUALIFIED APPROVED SUPPLIERS LIST WILL APPLY.

THE BATCH WEIGHTS SHALL BE CORRECTED TO COMPENSATE FOR THE MOISTURE CONTAINED IN THE AGGREGATE AT THE TIME OF USE. A CHEMICAL ADMIXTURE (705.12, TYPE A OR D) SHALL BE USED.

CONCRETE SUPPLIERS SHOULD RECOGNIZE THAT THE CORROSION INHIBITOR AND ADMIXTURES MAY HAVE AN EFFECT ON STRENGTH, ENTRAINED AIR CONTENT, WORKABILITY, ETC. OF THEIR CONCRETE MIXES. THE CORROSION INHIBITOR IS SUGGESTED TO BE A MCI PRODUCT BY CORTEC OR AN APPROVED EQUAL FROM THE QUALIFIED PRODUCTS LIST. THE CONCRETE SUPPLIER'S CHOICE OF ONE OF THESE CORROSION INHIBITORS DOES NOT ALLEVIATE MEETING DESIGN REQUIREMENTS. PLEASE BE ADVISED THAT SOME PRODUCTS ON THE LIST EFFECT THE DELIVERED MIX PROPERTIES GREATLY WHILE OTHER PRODUCTS DO NOT.

APPROACH SLABS, SLEEPER SLABS, AND SUPERSTRUCTURE/ ABUTMENT DIAPHRAGMS ARE TO USE THE SAME MIX DESIGN AS THE BRIDGE DECK. THE CONTRACTOR SHOULD BE ADVISED THAT CONCRETE RETARDING AGENTS MAY NEED TO BE ADDED TO OFFSET THE EFFECTS OF THE MIGRATING CORROSION INHIBITOR SELECTED.

THE CONTRACTOR SHALL PROVIDE TRADITIONAL BRIDGE DECK FORMS CONFORMING WITH CMS 508. PERMANENT STAY-IN-PLACE (SIP) FORMS ARE NOT ALLOWED. THE PLACING OF THE DECK AND THE APPROACH SLABS IN THE SAME CONCRETE POUR IS NOT PERMITTED. FOR STRUCTURES WITH SIDEWALKS OR SHARED-USE PATHS (SUP), CUT 1" DEEP JOINTS IN SIDEWALKS IN ALIGNMENT WITH PARAPET JOINTS. SEAL JOINTS ACCORDING TO 511.09.

STRUCTURE NOTES - 1
BRIDGE No.: PRE-SR 726-0274
SR 726 OVER BANTAS FORK

SFN
6804595

DESIGN AGENCY



DESIGNER
CAH

CHECKER
RSK

REVIEWER

GTF MM-DD-YY

PROJECT ID
102766

SUBSET
2 | 13

SHEET
19 | 39

STRUCTURE OVER 20' SPAN (PRE-SR 726-2.74 SFN: 6804595)					(100% 01/STR FUNDING)				
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUTMENT	PIERS	SUPERSTRUCTURE	GENERAL	REFERENCE
202	11203	LS	LUMP	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	LUMP	LUMP	LUMP		19
202	38500	228	FT	BRIDGE RAILING REMOVED			228		
503	11100	LS	LUMP	COFFERDAMS AND EXCAVATION BRACING	LUMP				
503	21300	LS	LUMP	UNCLASSIFIED EXCAVATION	LUMP				
505	11100	LS	LUMP	PILE DRIVING EQUIPMENT MOBILIZATION	LUMP	LUMP			
507	00201	58	FT	STEEL PILES HP12X53, FURNISHED, AS PER PLAN (GALVANIZED)		58			
507	00580	540	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	540				
507	00550	630	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	630				
507	00700	350	FT	16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		350			
507	00751	400	FT	16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED, AS PER PLAN (GALVANIZED)		400			
507	93300	28	EACH	STEEL POINTS OR SHOES	18	10			
509	26000	90,717	LB	GALVANIZED STEEL REINFORCEMENT	7,854	2,313	80,550		
511	32713	80607	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE, AS PER PLAN	80386		221		19
511	42512	16	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER CAP		16			
511	43210	3	CY	CLASS QC1 CONCRETE, PIER (PILE ENCASEMENT)		3			
511	43512	75	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	75				
512	10100	146	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	49	25	72		
512	33000	15	SY	TYPE 2 WATERPROOFING	15				
512	44450	14	SY	TYPE E WATERPROOFING			14		
516	10000	65	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL			65		
516	13200	43	SF	1/2" PREFORMED EXPANSION JOINT FILLER	43				
516	13600	85	SF	1" PREFORMED EXPANSION JOINT FILLER	85				
516	14014	93	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	93				
517	70100	246	FT	RAILING (THREE STEEL TUBE BRIDGE RAILING)			246		
518	21200	50	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	50				
518	22300	288	FT	SPECIAL - STEEL DRIP STRIP			288		28
518	40000	122	FT	6" CORRUGATED PERFORATED PLASTIC PIPE	122				
518	40010	80	FT	6" CORRUGATED NON-PERFORATED PLASTIC PIPE, INCLUDING SPECIALS	80				
523	20000	4	EACH	DYNAMIC LOAD TESTING	2	2			
523	20500	4	EACH	RESTRIKE	2	2			
526	10010	108	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=12")				108	
526	90011	65	FT	TYPE 'A' INSTALLATION, AS PER PLAN				65	19
530	00200	LS	LUMP	STRUCTURE, MISC.: TEMPORARY CONSTRUCTION SITE ACCESS				LUMP	20
625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM			1		
846	00110	27	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM				27	

STRUCTURE QUANTITIES
 BRIDGE No.: PRE-SR 726-0274
 SR 726 OVER BANTAS FORK

SFN
 6804595
 DESIGN AGENCY



DESIGNER
 CAH

CHECKER
 RSK

REVIEWER
 GTF MM-DD-YY

PROJECT ID
 102766

SUBSET TOTAL
 4 13

SHEET TOTAL
 21 39

MARK	NUMBER		LENGTH	WEIGHT	TYPE	DIMENSIONS					
	TOTAL					A	B	C	D	E	R
SUPERSTRUCTURE REINFORCING STEEL LIST											
S501	4		35'-6"	148	STR						
S502	128		6'-6"	868	2	2'-7"	1'-7 3/4"	2'-7"			
S503	64		7'-3"	484	3	2'-2 1/2"	1'-1"				
S504	134		26'-0"	3634	STR						
S505	67		23'-11"	1671	STR						
S506	6		39'-9"	249	STR						
S507	16		7'-1"	118	2	2'-7"	2'-2 1/2"	2'-7"			
S601	250		32'-0"	12,016	STR						
S602	232		3'-5"	1191	2	1'-3"	1'-2 1/2"	1'-3"			
S801	16		35'-6"	1517	STR						
S801	44		6'-0"	765	18	2'-9 3/4"	1'-0"	1'-0"			
S1001	134		40'-1"	23,112	16	38'-8"					
S1002	67		48'-2"	13,887	STR						
S1003	134		36'-4"	20,950	STR						
SUB-TOTAL				80,550							

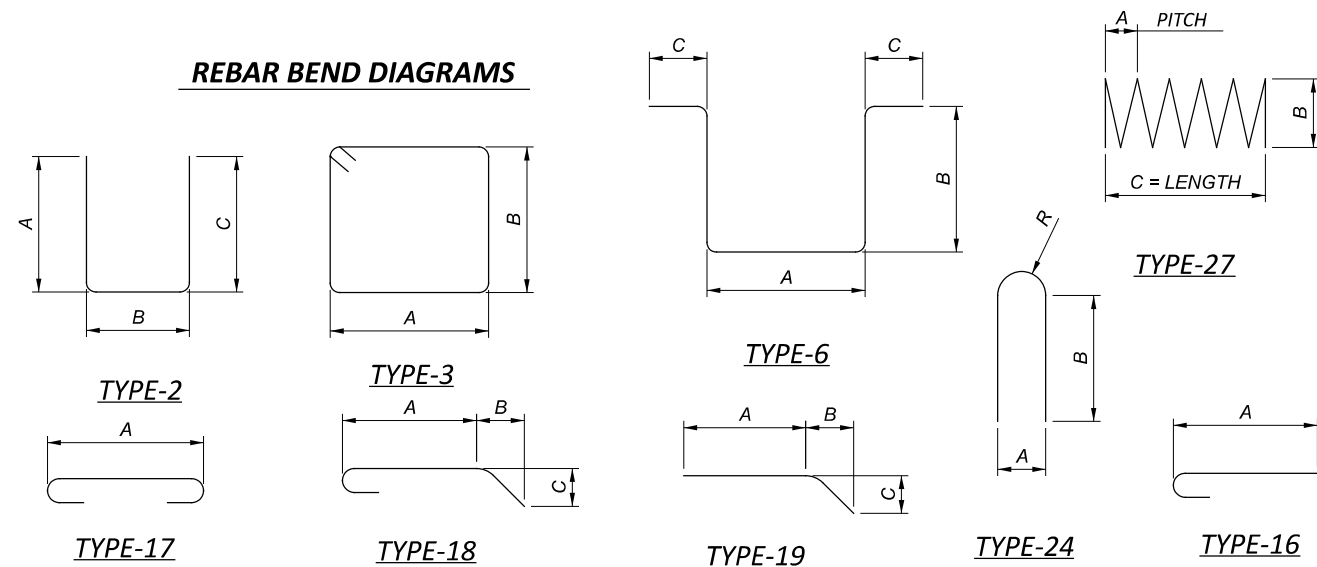
NOTES:

- ALL DIMENSIONS ARE OUT TO OUT OF BAR
- DIMENSIONS ON HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE STANDARD HOOKS ARE TO BE USED. REFERENCE CMS 509.
- ALL REINFORCING STEEL CLEARANCES ARE 2" UNLESS OTHERWISE NOTED.
- ALL REBAR FOR THE BRIDGE AND APPROACH SLABS SHALL BE GALVANIZED BARS UNLESS NOTED OTHERWISE.
- REINFORCING STEEL FOR THE CAST IN PLACE PIPE PILES AT THE PIERS SHALL BE GALVANIZED. REBAR AND PILE CONCRETE SHALL BE INCLUDED WITH ITEM 507 - 16" CAST IN PLACE PILES, FURNISHED FOR PAYMENT. REFER TO STD. DWG. CPP-1-08 FOR ADDITIONAL INFORMATION.
- REFER TO STD. DWG. AS-1-15 AND AS-2-15 FOR APPROACH SLAB REBAR INFORMATION.

LEGEND

● - THIS REBAR IS INCLUDED WITH THE PIER PILING FOR PAYMENT, THEREFORE NOT INCLUDED IN THE REBAR TOTAL. SEE NOTE #5.

REBAR BEND DIAGRAMS



MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS					
	PIER 1	PIER 2	TOTAL				A	B	C	D	E	R
PIER REINFORCING STEEL LIST												
P401	4	4	8	8'-5"	45	3	2'-0"	2'-0"				
P402	10	10	20	9'-5"	126	3	2'-0"	2'-6"				
● SP401	5	5	10	110'-11"	741	27	1'-0"	1'-0"	30'-0"			
P501	24	24	48	10'-4"	518	6	2'-8"	3'-1"	1'-0"			
P502	2	2	4	9'-7"	30	6	1'-9"	3'-1"	1'-0"			
P503	2	2	4	4'-10"	20	2	1'-0"	3'-1"	1'-0"			
P504	6	6	12	13'-3"	166	24	2'-6"	4'-8"			1'-2 1/2"	
P505	4	4	8	27'-6"	230	STR						
● P601	40	40	80	30'-0"	3605	STR						
P1101	4	4	8	27'-6"	1169	STR						
SUB-TOTAL					2,313							

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS					
	REAR ABUT.	FWD. ABUT.	TOTAL				A	B	C	D	E	R
ABUTMENT REINFORCING STEEL LIST												
A401	18	18	36	8'-11"	214	3	1'-9"	2'-6"				
A501	54	54	108	11'-2"	1258	3	2'-8"	2'-7"				
A502	6	6	12	28'-1"	352	STR						
A503	6	6	12	36'-1"	452	STR						
A504	1	1	2	12'-9"	27	STR						
A505	1	1	2	11'-9"	25	STR						
A506	1	1	2	10'-8"	22	STR						
A507	1	1	2	9'-8"	20	STR						
A508	1	1	2	12'-11"	27	19	4'-9"	8'-0"	1'-5 1/2"			
A509	1	1	2	11'-11"	25	19	3'-9"	8'-0"	1'-5 1/2"			
A510	6	6	12	11'-10"	148	2	5'-1"	1'-11"	5'-1"			
A511	6	6	12	4'-10"	61	2	1'-7"	1'-11"	1'-7"			
A512	15	15	30	12'-10"	402	2	5'-7"	1'-11"	5'-7"			
	1 SER.	1 SER.	2 SER.	6'-2"			2'-3"		2'-3"			
A513	OF	OF	OF	TO	72	2	TO	1'-11"	TO			0'-2 1/4"
	5	5	5	7'-8"			3'-0"		3'-0"			
A514	5	5	10	7'-8"	80	2	3'-0"	1'-11"	3'-0"			
A515	2	2	4	7'-11"	33	2	3'-0"	2'-2 1/2"	3'-0"			
A516	2	2	4	13'-1"	55	2	5'-7"	2'-2 1/2"	5'-7"			
A517	31	31	62	11'-2"	722	3	1'-11"	3'-4"				
	1 SER.	1 SER.	2 SER.	5'-11"			2'-1 1/2"		2'-1 1/2"			
A518	OF	OF	OF	TO	84	2	TO	1'-11"	TO			0'-2"
	6	6	6	7'-8"			3'-0"		3'-0"			
A519	1	1	2	11'-5"	24	19	3'-3"	8'-0"	1'-5 1/2"			
A520	1	1	2	12'-5"	26	19	4'-3"	8'-0"	1'-5 1/2"			
A521	1	1	2	9'-1"	19	STR						
A522	1	1	2	10'-1"	21	STR						
A523	1	1	2	11'-4"	24	STR						
A524	1	1	2	12'-4"	26	STR						
A801	8	8	16	27'-11"	1193	STR						
A802	8	8	16	39'-11"	1705	STR						
A803	36	36	72	3'-10"	737	17	2'-0"					
SUB-TOTAL					7,854							

REINFORCING STEEL LISTS
 BRIDGE No.: PRE-SR 726-0274
 SR 726 OVER BANTAS FORK

SFN
6804595
DESIGN AGENCY

DESIGNER: CAH
CHECKER: RSK
REVIEWER: MM-DD-YY
PROJECT ID: 102766
SUBSET: 13 TOTAL: 13
SHEET: 30 TOTAL: 39