

MODEL: Sheet_1 PAPERSIZE: 34x22 (in.) DATE: 9/29/2026 TIME: 11:15:40 AM PLTDR: OHDOT_Pen.plt PENTB: OHDOT_PDF.plcfr WORKSET: 116747 PRODUCT: OpenRoadsDesigner 24.00.00.205
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SHEET NUMBER												PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.6	P.7	P.8	P.11	P.12	P.15	P.16	P.17	P.18	P.21	P.22	P.23	01/STR	02/STR	03/STR	04/STR						
			2,500	1,290			58					3,790	58			202	23000	3,848	SY	ROADWAY	
									64			64				202	30000	64	SF	PAVEMENT REMOVED	
									4			4				202	32000	4	FT	WALK REMOVED	
										35	5	40				202	35100	40	FT	CURB REMOVED	
								236				236				202	38000	236	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
																				GUARDRAIL REMOVED	
										3	1	4				202	58100	4	EACH	CATCH BASIN REMOVED	
124												124				202	98100	124	EACH	REMOVAL MISC.: BARRIER REFLECTOR	
							174	215				215	174			203	10000	389	CY	EXCAVATION	
	58											58				203	10000	58	CY	EXCAVATION (FOR PAVEMENT REPAIR)	
							502						502			204	10000	502	SY	SUBGRADE COMPACTION	
																				Bridge Terminal Assembly quantities removed	
							1						1			204	45000	1	HOUR	PROOF ROLLING	
619												619				209	60200	619	STA	LINEAR GRADING	
								236				236				606	15050	236	FT	GUARDRAIL, TYPE MGS	
									44			44				608	10000	44	SF	4" CONCRETE WALK	
									20			20				608	52000	20	SF	CURB RAMP	
			672	498								1,170				622	41110	1,170	FT	PORTABLE BARRIER, ANCHORED	
LS												LS				SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	
		2										2				SPECIAL	69098000	2	EACH	VERTICAL CLEARANCE	
												3,000				832	30000	3,000	EACH	EROSION CONTROL	
																				EROSION CONTROL	
																				DRAINAGE	
66												66				605	31100	66	FT	AGGREGATE DRAINS	
										15		15				611	00100	15	FT	4" CONDUIT, TYPE B	
										20	5	25				611	04400	25	FT	12" CONDUIT, TYPE B	
										2		2				611	98370	2	EACH	CATCH BASIN, NO. 6	
										1	1	2				611	98504	2	EACH	CATCH BASIN, NO. 2-2C	
	2,000											2,000				251	01000	2,000	SY	PAVEMENT	
							192						192			252	01500	192	FT	PARTIAL DEPTH PAVEMENT REPAIR (441)	
	30											30				253	01000	30	SY	FULL DEPTH PAVEMENT SAWING	
	35											35				253	01000	35	SY	PAVEMENT REPAIR (T = 14.5")	
	140											140				253	01000	140	SY	PAVEMENT REPAIR (T = 16.25")	
																				PAVEMENT REPAIR (T = 18.25")	
	100											100				253	01000	100	SY	PAVEMENT REPAIR (T = 19")	
	45											45				253	01000	45	SY	PAVEMENT REPAIR (T = 20.5")	
					47,760							47,760				254	01000	47,760	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 1.5")	
	5,000											5,000				254	01600	5,000	SY	PATCHING PLANED SURFACE	
							108	107				107	108			301	56000	215	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
							84	88				88	84			304	20000	172	CY	AGGREGATE BASE	
	58											58				304	20000	58	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)	
								3				3				407	13900	3	GAL	TACK COAT, 702.13	
					9,397	9,838	87	46				19,279	89			407	20000	19,368	GAL	NON-TRACKING TACK COAT	
					5,534	5,445	19					10,978	20			408	10001	10,998	GAL	PRIME COAT, AS PER PLAN	
																				P.7	
					1,953	3,012		10				4,975				424	14000	4,975	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448)	
					1,974							1,974				441	50100	1,974	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
							17						17			441	70100	17	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M	
							23	12				12	23			441	70300	35	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
					31	25						56				441	70501	56	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN	
									4											P.6	
												4				609	26000	4	FT	CURB, TYPE 6	
					385	379	2					763	3			617	10100	766	CY	COMPACTED AGGREGATE	
					7.06	11.60						18.66				618	41000	18.66	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
					5.91	5.80						11.71				618	43000	11.71	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
					5.91	5.80						11.71				874	21000	11.71	MILE	LONGITUDINAL JOINT PREPARATION	
						109,303						109,303				897	01010	109,303	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 0.75")	
					56,642							56,642				897	01010	56,642	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 1")	
									</												

1. ITEM 203, EXCAVATION SHALL APPLY TO ALL AREAS SHOWN ON THIS PROFILE VIEW WHERE ITEMS 301, 304, 424, AND 441 ARE PLACED, AND THE INSTALLATION AREA OF THE SLEEPER SLAB.
2. GUARDRAIL TO BE REPLACED ALONG THE APPROACH SLABS WITH ITEMS 202 AND 606 IN THE SUBSUMMARY ARE SHOWN IN THE STRUCTURE PLANS ON SHEET P.32.

[illegible]

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15 (REVISED) 1/20/2023
AS-2-15 (REVISED) 7/21/2023
DBR-2-73 (REVISED) 7/19/2002

Date changed to
revision date

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2024 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

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.

SPALL REMOVAL ON STRUCTURE POR-14-26.501 OVER RECREATIONAL WATERWAY

THE FOLLOWING WORK AND QUANTITIES SHALL BE USED ON THIS STRUCTURE TO REPAIR THE CONCRETE SPALLS OVER RECREATIONAL WATERWAYS:

ITEM SPECIAL - STRUCTURES: CONCRETE SPALL REMOVAL WITH ZINC RICH PRIMER APPLIED, 80 SY

USACE BERLIN LAKE OFFICE PROJECT NOTIFICATION

THE CONTRACTOR SHALL CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE, ANTICIPATED USE OF BOATS/BARGES AND ANY PLANNED ACCESS RESTRICTIONS WITH USACE BERLIN LAKE OFFICE A MINIMUM OF 14 CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

USACE BERLIN LAKE OFFICE
7400 BEDELL ROAD, BERLIN CENTER, OH 44401-9714
(330) 547-3781

DOCUMENTATION OF ALL NOTIFICATION AND COORDINATION EFFORTS SHALL BE PROVIDED TO THE ODOT PROJECT ENGINEER.

STRUCTURE PAINTING/CONCRETE SEALING OPERATIONS

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EPOXY-URETHANE SEALER, PAINT OR OTHER MATERIALS USED TO REPAIR, CLEAN, PAINT, SEAL OR TREAT ANY STRUCTURE FROM ENTERING ANY STREAMS, WETLANDS OR OTHER WATERS OF THE UNITED STATES AND TAKE THE APPROPRIATE ACTIONS IN THE EVENT OF A RELEASE.

CLIFF SWALLOW NESTS

THIS STRUCTURE IS KNOWN TO PROVIDE NESTING HABITAT FOR THE CLIFF SWALLOW (HIRUNDO PYRRHONOTA), A BIRD PROTECTED BY LAW UNDER THE MIGRATORY BIRD TREATY ACT. THE UNDERSIDE OF THE BRIDGE SHOULD BE CAREFULLY EXAMINED FOR THE PRESENCE OF NESTS. CLIFF SWALLOWS CONSTRUCT GOURD-SHAPED NESTS MADE OF MUD PELLETS WITH A SMALL ENTRANCE TUNNEL ON ONE SIDE. NESTS ARE TYPICALLY FOUND ON A VERTICAL SURFACE UNDER AN OVERHANG.

TO AVOID IMPACTING THE SPECIES AT THE POR-14-26.501 BRIDGE LOCATION, ANY WORK THAT WOULD RESULT IN THE DISTURBANCE OR REMOVAL OF A CLIFF SWALLOW NEST MUST BE CONDUCTED AFTER AUGUST 15 AND BEFORE APRIL 30, WHEN THE BIRDS ARE NOT USING THE NESTS FOR EGG LAYING OR BROOD REARING.

IF OCCUPIED NESTS ARE FOUND ON THE UNDERSIDE OF THE BRIDGE, THE ODOT DISTRICT 4 ENVIRONMENTAL SECTION SHOULD BE CONTACTED OR PROVIDED WITH INFORMATION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR HARM NESTING BIRDS.

PROTECTION OF PUBLIC/RECREATIONAL USE OF BERLIN LAKE

BERLIN LAKE AND THE ADJACENT BERLIN LAKE WILDLIFE AREA ARE UTILIZED FOR PUBLIC RECREATION PURPOSES INCLUDING FISHING AND WATERCRAFT USE. THE CONTRACTOR SHALL MAINTAIN A SAFE OPEN CHANNEL UNDER THE POR-14-26.501 BRIDGE AT ALL TIMES DURING PROJECT CONSTRUCTION AND TAKE ALL PRECAUTIONS NECESSARY TO PROTECT BERLIN LAKE, THE BERLIN LAKE WILDLIFE AREA AND THE PUBLIC DURING PROJECT CONSTRUCTION.

THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNAGE/BUOYS/MARKERS 300 FEET UPSTREAM AND 300 FEET DOWNSTREAM OF THE PROJECT AREA TO ALERT PADDLERS/BOATERS OF CONSTRUCTION ACTIVITY AND FOR WAYFINDING PURPOSES. THE ABOVE SIGNING SHALL BE MOUNTED IN SUCH A WAY AS TO BE A MINIMUM OF 4 FEET ABOVE THE WATER LEVEL, UNOBSTRUCTED BY TREE BRANCHES, AND PROPERLY ANGLED FOR MAXIMUM VISIBILITY FROM THE MAIN CLEAR CHANNEL. THE METHOD OF SUPPORTING THE SIGNS SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO INSTALLATION. ADDITIONAL SIGNAGE SHALL BE INSTALLED ALONG THE SHORELINE AT THE BRIDGE LOCATION TO ALERT THE PUBLIC OF CONSTRUCTION ACTIVITIES. UPON COMPLETION OF THE PROJECT, ALL SIGNS AND SUPPORT SYSTEMS SHALL BE COMPLETELY REMOVED.

THE CONTRACTOR SHALL CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE (INCLUDING ANY ANTICIPATED ACCESS RESTRICTIONS) WITH ODNR PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOTIFY ODNR PARKS AND WATERCRAFT AT 614-265-6466, A MINIMUM OF 14 CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO ALLOW ODNR TO POST NOTICE OF THE IMPENDING CONSTRUCTION ON THE APPROPRIATE ODNR WEBPAGES AND ASSOCIATED ONLINE BOATING MAPS. AS PART OF NOTIFICATION EFFORTS, THE CONTRACTOR SHALL PROVIDE PLANS THAT INDICATE SIGNAGE LOCATION ALONG THE WATERWAY AND ANY ADDITIONAL PLANNED NOTIFICATION EFFORTS WITH ODNR THAT WILL TAKE PLACE DURING OR AFTER CONSTRUCTION.

THE PROJECT CONTRACTOR SHALL NOTIFY ODNR PARKS AND WATERCRAFT AT 614-265-6466, 48 HOURS IN ADVANCE WHEN RESTRICTIONS LASTING LONGER THAN A DAY WILL OCCUR. THE USE OF FLAGGERS OR OTHER MEANS WILL BE USED TO ALERT PADDLERS/BOATERS WHEN SHORT-TERM RESTRICTIONS (E.G. 15-30 MINUTES INTERVALS) ARE NEEDED.

DOCUMENTATION OF ALL NOTIFICATION AND COORDINATION EFFORTS SHALL BE PROVIDED TO THE ODOT PROJECT ENGINEER.

ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN

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

BELOW IS THE LIST OF BRIDGES AND LOCATIONS TO BE PATCHED:

POR-14-26.501 ABUTMENTS:
ITEM 519, PATCHING CONCRETE STRUCTURE, AS PER PLAN, 75 SQ FT
ITEM 512, SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), 9 SQ YD

POR-14-26.501 PIERS:
ITEM 519, PATCHING CONCRETE STRUCTURE, AS PER PLAN, 60 SQ FT

ITEM 202 - REMOVAL MISC.: CHANNEL CLEANOUT

THIS WORK WILL CONSIST OF RE-ESTABLISHING THE ORIGINAL CHANNEL PROFILE BY REMOVING SEDIMENT BUILDUP, VEGETATION, AND DEBRIS FROM THE EXISTING CHANNEL WITHIN STATE RIGHT-OF-WAY LIMITS AS SPECIFIED IN THE PLANS FOR STRUCTURES POR-225-7.406, POR-225-7.641, POR-225-9.967. ANY TREES LOCATED WITHIN CHANNEL OR BANK LIMITS WILL BE INCLUDED UNDER ITEM 201, CLEARING AND GRUBBING. ALL MATERIALS REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH 105.16 AND 105.17 OF THE CMS WITH THE APPROVAL OF THE ENGINEER. NO AREAS OF EXISTING CHANNEL PROTECTION SHALL BE REMOVED IN ORDER TO RESTORE THE ORIGINAL CHANNEL PROFILE. AFFECTED CHANNEL AREAS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CHANNEL CLEANOUT WILL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM 202 REMOVAL MISC.: CHANNEL CLEANOUT. THIS PRICE WILL INCLUDE THE COST FOR LABOR, EQUIPMENT, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CHANNEL CLEANOUT.

WETLANDS IMPACTS/AVOIDANCE - POR-225-7.406

WETLAND AREAS SHOWN WITHIN THE CONSTRUCTION LIMITS WERE ELIMINATED/PERMANENTLY FILLED DURING THE INSTALLATION OF THE POR-225-7.406 BRIDGE STRUCTURE.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR IMPACT THE REMAINING WETLAND AREAS BEYOND THE CONSTRUCTION LIMITS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT AND/OR MATERIALS WITHIN STREAMS AND/OR WETLANDS.

SPECIAL - STRUCTURES: CONCRETE SPALL REMOVAL WITH ZINC RICH PRIMER APPLIED

THIS WORK WILL CONSIST OF REMOVING ALL VISIBLY SPALLED AREAS OF THE UNDERSIDE OF THE DECK.

AFTER SPALLED CONCRETE IS REMOVED THE EXISTING EXPOSED REINFORCING STEEL SHALL BE BLAST CLEANED. ACCEPTABLE METHODS INCLUDE HIGH PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVES WITH CONTAINMENT, OR VACUUM BLASTING. APPLY A ZINC RICH PRIMER, PER CMS 708.02.B, OVER ALL EXPOSED STEEL SURFACES. THE APPLICATION OF THE PRIMER SHALL FOLLOW CMS 514 AND ALL MANUFACTURER REQUIREMENTS.

NO AREAS OF EXISTING CHANNEL PROTECTION SHALL BE REMOVED TO RESTORE THE ORIGINAL CHANNEL PROFILE.

EQUIPMENT IS NOT TO ENTER THE WATERWAY, BUT MAY BE STAGED ON THE ROADWAY SHOULDER, EMBANKMENT SLOPE AND/OR BRIDGE. WHEN USING A BUCKET-TYPE EXCAVATOR, NO MORE THAN INCIDENTAL FALLBACK FROM THE BUCKET IS AUTHROIZED.

NO FILLING OPERATIONS SHALL BE PERFORMED BELOW THE ORDINARY HIGH WATER MARK OF ANY STREAM AND/OR WITHIN ANY WETLANDS. NO BANK SHAPING, STREAM RELOCATION OR CHANNELIZATION IS AUTHORIZED.

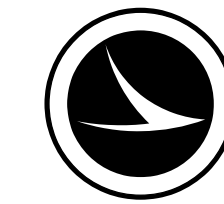
THE DEPARTMENT WILL MEASURE THIS WORK AS THE ACTUAL AREA IN SQUARE YARDS OF CONCRETE SPALLS REMOVED.

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

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. 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. 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.

SFN
VARIOUS
DESIGN AGENCY



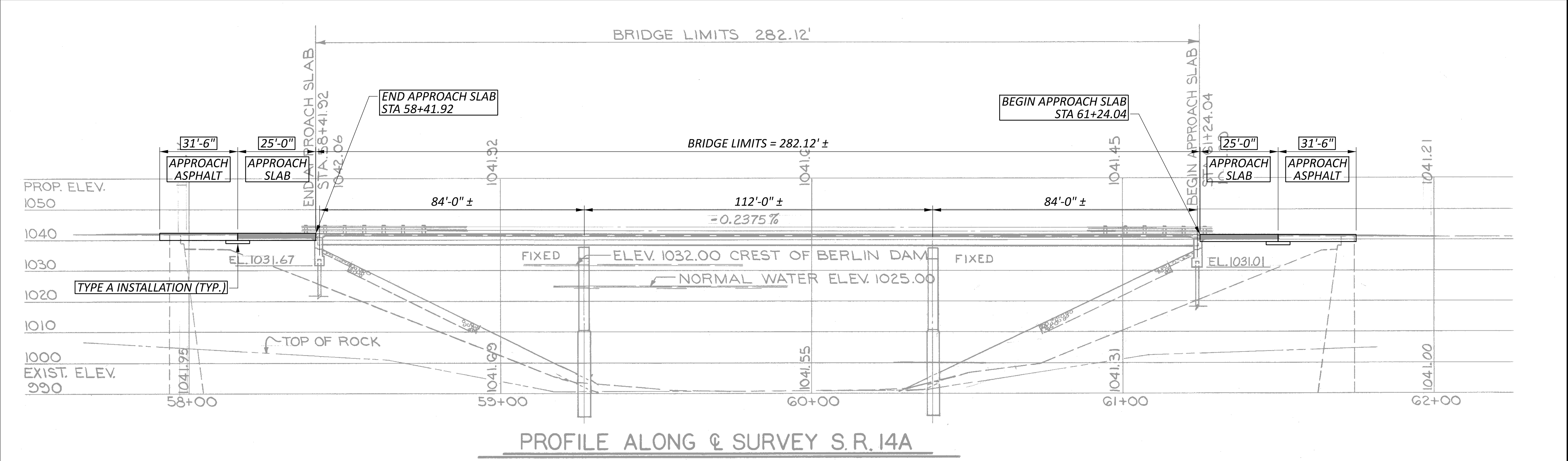
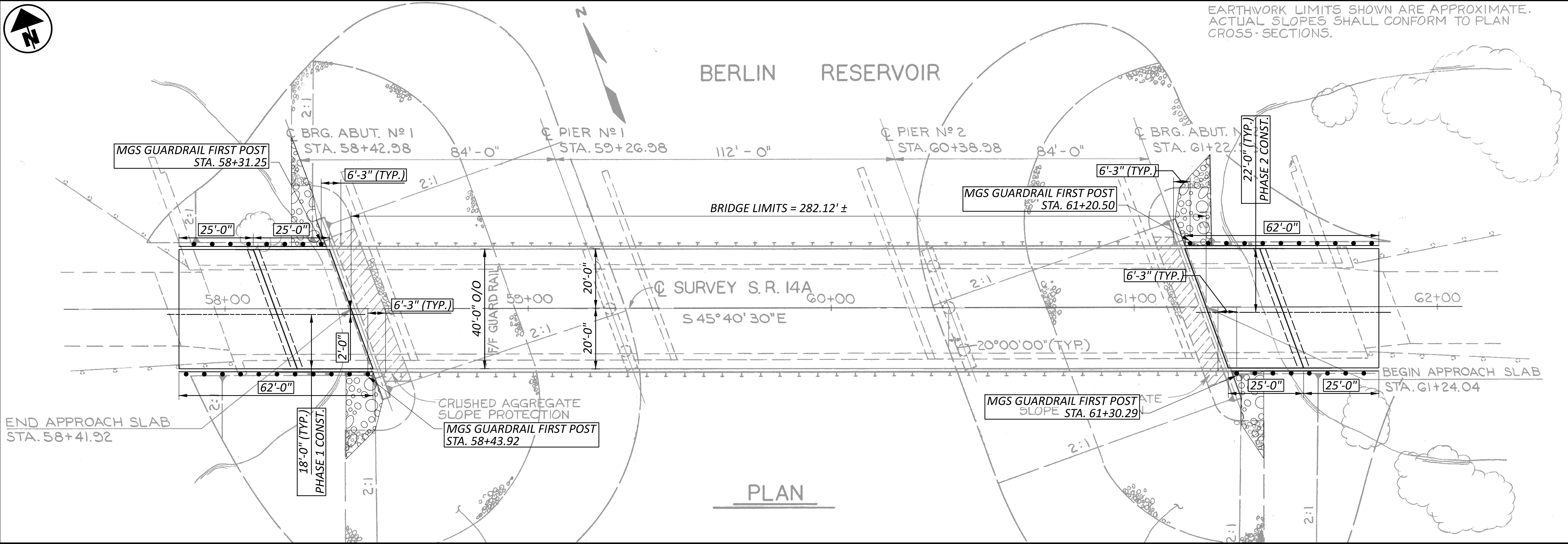
DESIGNER
SBD
CHECKER
JF

REVIEWER
RC 08/14/26

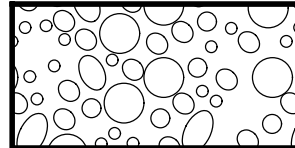
PROJECT ID
116747

SUBSET
1 TOTAL
11

SHEET
P.27 TOTAL
37



LEGEND



ITEM 203, EMBANKMENT
ITEM 203, GRANULAR MATERIAL, TYPE B

NOTES

1. QUANTITIES FOR GUARDRAIL REMOVAL AND REPLACEMENT
ALONG APPROACH SLABS ARE INCLUDED IN THE ROADWAY PLANS.

Description changed
to remove BTAs

UNIT

LENGTH

START WIDTH

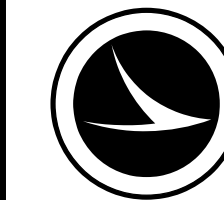
END WIDTH

AREA

	LENGTH	START WIDTH	END WIDTH	AREA
	FT	FT	FT	SF
REAR APPROACH SLAB	25.00	40.00	40.00	1000
SUPERSTRUCTURE	282.12	40.00	40.00	11285
FORWARD APPROACH SLAB	25.00	40.00	40.00	1000

STRUCTURE DETAILS - PLAN & PROFILE
LOCATION 1 - POR-14-26.501
SR 14 OVER BERLIN LAKE

SFN
6701000
DESIGN AGENCY



DESIGNER	CHECKER
SBD	RC
REVIEWER	
TJP 08/14/26	
PROJECT ID	
116747	
SUBSET	TOTAL
3	11
SHEET	TOTAL
P.29	37