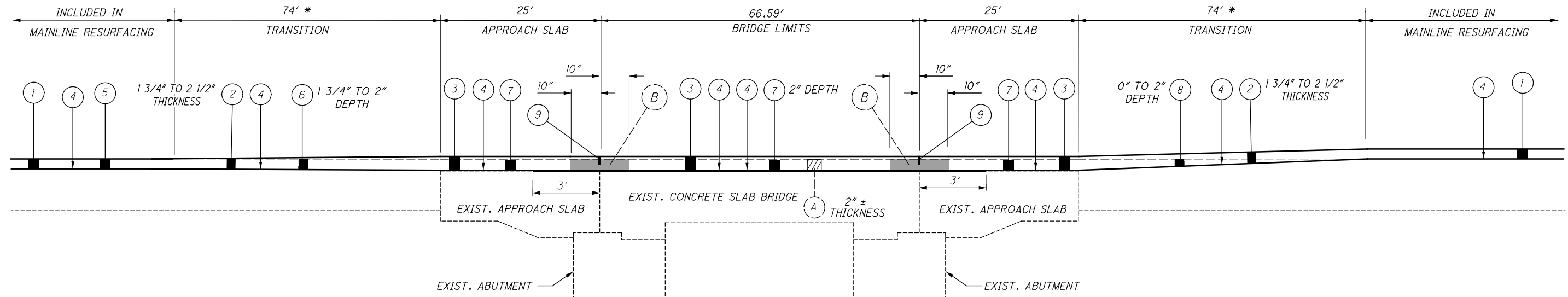
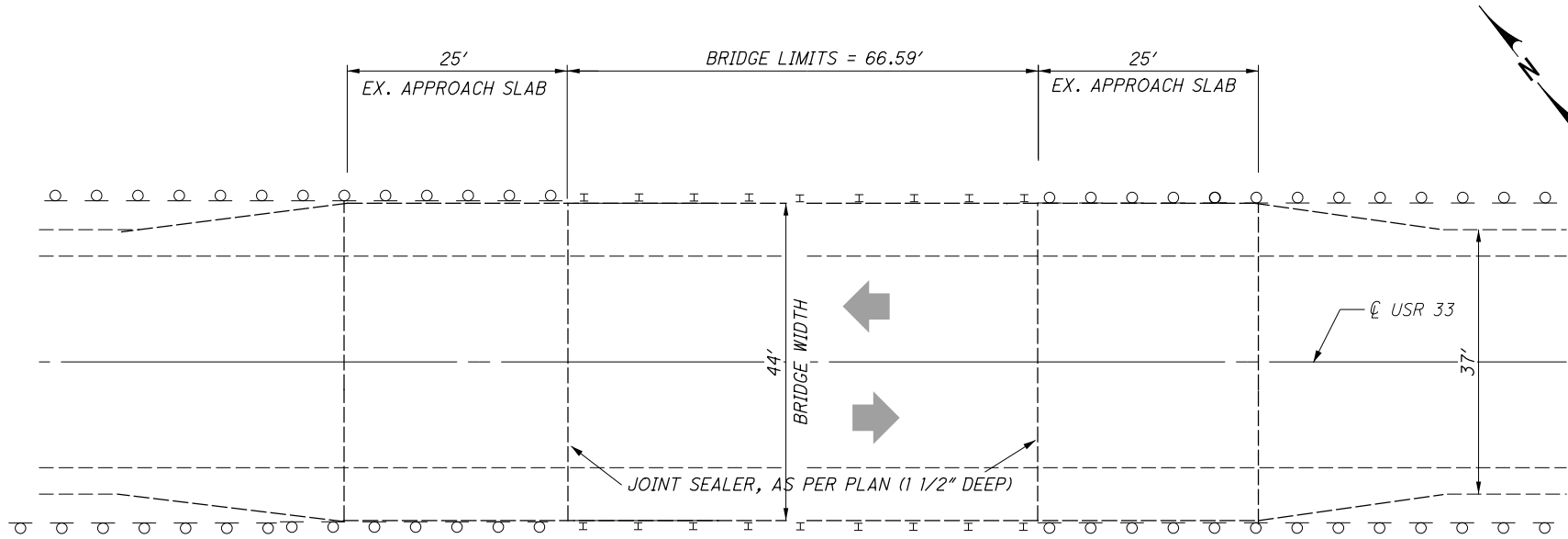




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\* THE TRANSITIONS ARE 74' LONG SO THE TOTAL BRIDGE TRANSITION (264.59') MATCHES THE PAVEMENT CALCULATIONS DEDUCTION FROM SLM 6.45 TO SLM 6.50.

**EXISTING STRUCTURE VERIFICATION**

DETAILS AND DIMENSIONS SHOWN IN THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM THE PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATION AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE STRUCTURE AND PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO THE CMS SECTIONS 102.05 AND 105.02.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURES BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS, WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD. PLANS OF THE EXISTING STRUCTURES MAY BE EXAMINED AT THE DISTRICT SEVEN OFFICE IN SIDNEY, OHIO OR THE OFFICE OF STRUCTURAL ENGINEERING IN COLUMBUS, OHIO.

**ITEM 516 - JOINT SEALER, AS PER PLAN (1 1/2" DEEP)**

A 1 1/2" DEEP X 1/2" WIDE STRIP SHALL BE SAWCUT OUT OF THE THE PROPOSED OVERLAY. CENTER THE SAWCUT OVER THE CENTER OF THE EXISTING POLYMER MODIFIED ASPHALT EXPANSION JOINT THAT WAS COVERED UP BY THE PROPOSED OVERLAY. JOINT SEALER AS PER 705.04 SHALL BE USED TO SEAL THE JOINT CREATED. THE CONTRACTOR SHALL MARK AND VERIFY THE LOCATIONS WITH THE ENGINEER PRIOR TO ANY MILLING OR PAVING. A QUANTITY HAS BEEN INCLUDED IN THE ESTIMATED QUANTITIES.

**LEGEND**

- ① - ITEM 442 - 1 3/4" ASPHALT CONCRETE, SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG76-22M
- ② - ITEM 442 - VAR. THICKNESS (1 3/4" TO 2 1/2") ASPHALT CONCRETE, SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG76-22M
- ③ - ITEM 442 - 2 1/2" ASPHALT CONCRETE, SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN
- ④ - ITEM 407 - NON-TRACKING TACK COAT @ 0.085 GAL/SY
- ⑤ - ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1 3/4" DEPTH
- ⑥ - ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, VAR. DEPTH (1 3/4" TO 2")
- ⑦ - ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 2" DEPTH
- ⑧ - ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, VAR. DEPTH (0" TO 2")
- ⑨ - ITEM 516 - JOINT SEALER, AS PER PLAN ( 1 1/2" DEEP)
- ⑩ - ITEM 512 - TYPE 3 WATERPROOFING
- Ⓐ - EXISTING PAVEMENT
- Ⓑ - EXISTING POLYMER MODIFIED ASPHALT EXPANSION JOINT

**PROPOSED WORK**

- 1) MARK AND VERIFY LOCATIONS OF THE EXPANSION JOINTS WITH THE ENGINEER PRIOR TO PLANING THE BRIDGE DECK. REMOVE 2" OF ASPHALT FROM THE BRIDGE DECK AND APPROACH SLABS. TRANSITION THE PLANING TO 1 3/4" DEPTH AND 0" DEPTH AS SHOWN IN THE PROFILE VIEW.
- 2) REMOVE AND REPLACE WATERPROOFING ON BRIDGE DECK. THE NEW WATERPROOFING SHOULD EXTEND 3' ON TO THE APPROACH SLABS.
- 3) OVERLAY THE BRIDGE DECK, THE APPROACH SLABS, AND THE POLYMER MODIFIED ASPHALT EXPANSION JOINTS WITH ITEM 442, ASPHALT CONCRETE AS SHOWN IN THE PROFILE VIEW.
- 4) SAW CUT PER ITEM 516, JOINT SEALER, AS PER PLAN. THE SAW CUTS SHALL BE LOCATED OVER THE CENTER OF THE EXISTING POLYMER MODIFIED ASPHALT EXPANSION JOINT. SEAL THE JOINTS WITH 705.04 JOINT SEALER.

STRUCTURE DETAILS  
MER-33-0645

MER-33-4.90



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				MER-33-0645	MER-33-0847	ITEM	ITEM EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
					577	254	01000	577	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1 1/2" DEPTH	
				571		254	01000	571	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 2" DEPTH	
					873	254	01000	873	SY	PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH (0" TO 1 1/2")	
				314		254	01000	314	SY	PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH (0" TO 2")	
				314		254	01000	314	SY	PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH (1 3/4" TO 2")	
				111	123	407	20000	234	GAL	NON-TRACKING TACK COAT	
				71	64	441	50100	135	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN, PG76-22M	3
				356		512	33010	356	SY	TYPE 3 WATERPROOFING	
				94	98	516	31001	192	FT	JOINT SEALER, AS PER PLAN	12
QUANTITIES CARRIED TO GENERAL SUMMARY											

LENGTH (BRIDGE LIMITS)	WIDTH	BRIDGE DECK AREA	SKEW ANGLE	STRUCTURE NAME	STRUCTURE FILE NUMBER	COMMENTS (WEARING COURSE)	APPROACH SLAB LENGTH	TOTAL APPROACH SLAB AREA	TYPE
FT.	FT.	SQ. YD.	DEGREE, MIN., SEC				FT	SQ. YD.	
66.59	44.00	326	20 RF	MER-33-0645	5400392	2" MILL OVER BRIDGE DECK & APPROACH SLABS REPLACE WATERPROOFING & PAVE WITH 2 1/2" OF ASPHALT	25	245	CONTINUOUS REINFORCED CONCRETE SLAB WITH CAPPED PILE SUBSTRUCTURE
64.45	45.33	325	22 RF	MER-33-0847	5400392	1 1/2" MILL/FILL OVER BRIDGE DECK & APPROACH SLABS	25	252	CONTINUOUS REINFORCED CONCRETE SLAB WITH CAPPED PILE SUBSTRUCTURE
-	-	-	16-26-36 LF	MER-33-0988	5400430	PAVE OVER AS ROADWAY (1 3/4" RESURFACE)	-	-	TWIN 12' X 7'-9" CONCRETE BOX CULVERTS



**BRIDGE DATA**

**MER - 33 - 4.90**