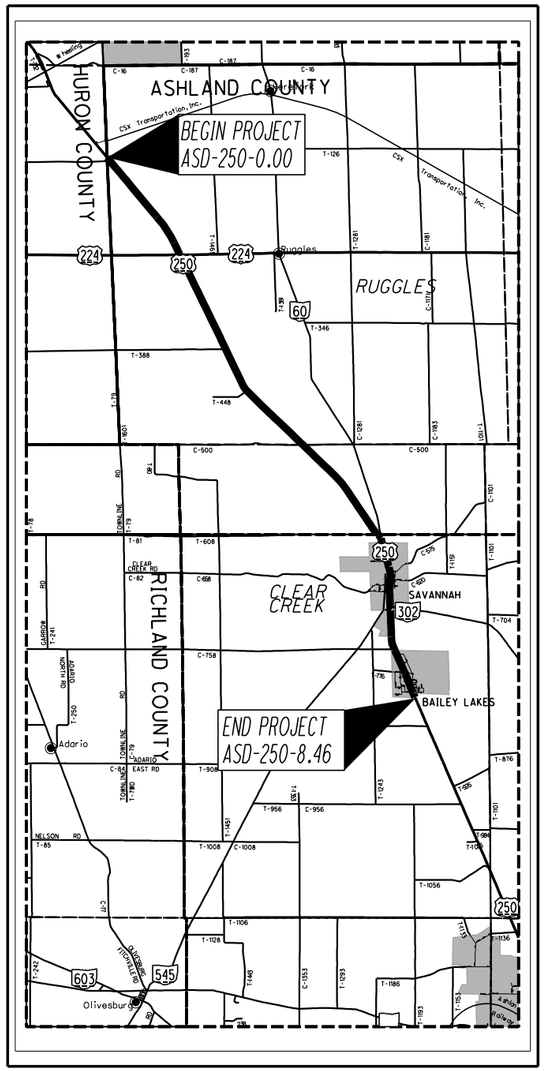

LOCATION MAP

LATITUDE: 40° 59' 49" N LONGITUDE: 82° 23' 32" W

SCALE IN MILES

0 1 2 3 4

PORTION TO BE IMPROVED

INTERSTATE HIGHWAY

FEDERAL ROUTES

STATE ROUTES

COUNTY & TOWNSHIP ROADS

OTHER ROADS

DESIGN DESIGNATION: SEE SHEET 2

DESIGN EXCEPTIONS

NONE REQUIRED

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

ASD-250-0.00

VILLAGE OF SAVANNAH
VILLAGE OF BAILEY LAKES

CLEAR CREEK TOWNSHIP
RUGGLES TOWNSHIP

ASHLAND COUNTY

INDEX OF SHEETS:

PROJECT DESCRIPTION

THIS PROJECT WILL INCLUDE PAVEMENT REPAIRS, PLANING, PAVING WITH ASPHALT CONCRETE, BRIDGE MAINTENANCE, AND REPLACING PAVEMENT MARKINGS.

EARTH DISTURBED AREAS

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

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN 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 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED _____

DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____

DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

ENGINEERS SEAL

STATE OF OHIO
CRAIG A. DEVORE
E-70370
REGISTERED PROFESSIONAL ENGINEER

SIGNED: _____

DATE: _____

STANDARD CONSTRUCTION DRAWINGS

						SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	1/17/20	MGS-1.1	1/19/18	TC-41.20	10/18/13	800	4/17/20
BP-4.1	7/19/13	MGS-2.1	1/19/18	TC-42.10	10/18/13	832	10/19/18
BP-5.1	1/18/19	MGS-4.2	7/19/13	TC-42.20	10/18/13	846	4/17/15
BP-6.1	7/19/13	MGS-4.3	1/18/13	TC-52.10	10/18/13	872	4/17/20
BP-7.1	7/20/18			TC-52.20	7/20/18	874	4/17/20
BP-9.1	1/18/19	MT-96.11	1/17/20	TC-61.10	1/17/20	875	1/18/19
		MT-96.20	7/15/16	TC-61.30	7/19/19	961	10/18/19
RM-1.1	7/18/14	MT-96.26	1/18/19	TC-64.10	1/17/20		
		MT-97.10	4/19/19	TC-65.10	1/17/14		
		MT-97.12	1/20/17	TC-65.11	7/21/17		
		MT-99.20	4/19/19	TC-71.10	1/19/18		
DM-4.3	1/15/16	MT-99.30	1/17/20				
DM-4.4	1/15/16	MT-101.90	7/21/17				
		MT-105.10	1/17/20	DBR-3-11	7/15/11		
				DS-1-92	7/18/03		

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)

PLANS PREPARED BY:

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT THREE ENGINEERING

FEDERAL PROJECT NO. NON-FEDERAL

PID NO. 110311

CONSTRUCTION PROJECT NO. ASD-250-0.00

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ITEM 254 - PATCHING PLANED SURFACE

AN ESTIMATED QUANTITY OF ITEM 254 - PATCHING PLANED SURFACE HAS BEEN SET UP TO BE USED AS DIRECTED BY THE ENGINEER AS DESCRIBED IN CMS 254.04. THE LIMIT OF THE PATCHING DEPTH IS 0 TO 2 IN.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE

THE INTENT OF THE PLANING IS TO MILL 1.5 INCHES AT THE CENTER OF PAVEMENT AT NON-CURBED AREAS. THE PAVEMENT SLOPE SHALL BE 0.010 MINIMUM AND 0.016 PREFERRED, CONTINUOUS BETWEEN THE CROWN AND THE PROPOSED EDGELINE/SHOULDER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CENTER OF PAVEMENT IN CONFORMANCE WITH THE ABOVE GUIDELINES.

SPECIAL ATTENTION SHALL BE GIVEN TO SUPERELEVATED CURVES. THE SUPERELEVATION SHALL BE MAINTAINED AND/OR RESTORED, IF NECESSARY, AS DIRECTED BY THE ENGINEER. IF THERE IS NO INFORMATION IN THE PLANS TO CHANGE THE SUPERELEVATION, THE INTENT IS TO MAINTAIN THE EXISTING SUPERELEVATION.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANED ROADWAY SURFACE MORE THAN FOURTEEN (14) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 14 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANED SURFACE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE of $1000 PER DAY.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (CURBED SECTION)

THE INTENT OF THE PLANING IS TO MILL THE SPECIFIED DEPTH ALONG THE CURB CONTINGENT ON THE FOLLOWING: THE MAXIMUM CROSS SLOPE SHALL BE 0.02 WHILE THE MINIMUM CROSS SLOPE SHALL BE 0.01. THE PREFERRED CROSS SLOPE IS 0.016. THE CROWN OF THE PAVEMENT SHALL BE LOCATED BETWEEN THE TRAVELED LANES, OR AS DIRECTED BY THE ENGINEER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CURB, TO PRODUCE A CROSS SLOPE IN CONFORMANCE WITH THE ABOVE GUIDELINES.

SPECIAL ATTENTION SHALL BE GIVEN TO SUPERELEVATED CURVES. THE SUPERELEVATION SHALL BE MAINTAINED AND/OR RESTORED, IF NECESSARY, AS DIRECTED BY THE ENGINEER. IF THERE IS NO INFORMATION IN THE PLANS TO CHANGE THE SUPERELEVATION, THE INTENT IS TO MAINTAIN THE EXISTING SUPERELEVATION.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANED ROADWAY SURFACE MORE THAN FOURTEEN (14) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 14 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANED SURFACE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE OF $1,000 PER DAY.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE.

COORDINATION OF WORK BETWEEN CONTRACTORS

THE CONTRACTOR SHOULD BE AWARE THAT THERE MAY BE OTHER WORK BEING PERFORMED BY A SEPARATE CONTRACT. ASD-SMOOTH-FY2020 PID 102960 IS A PAVING CONTRACT THAT BEGINS ON ASD-250-8.46. AND IS SCHEDULED TO BEGIN WORK IN THE 2020 CONSTRUCTION SEASON. COORDINATION OF WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

ITEM 408 - PRIME COAT, AS PER PLAN

THE CONTRACTOR SHALL APPLY ONE COAT OF MC-70 (AS PER SECTION 702) AT A RATE OF 0.40 GAL/SY TO THE COMPLETED AGGREGATE SHOULDER (ITEM 617) AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE OF PAVEMENT OR EDGE LINE. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO 107.10 OF THE SPECIFICATIONS.

ROLLER REQUIREMENTS WITHIN THE CITY CORP LIMITS

WITHIN THE CORPORATION LIMITS OF THE VILLAGE SAVANNAH, THE CONTRACTOR SHALL NOT USE A VIBRATORY ROLLER TO COMPACT THE ASPHALT CONCRETE.

ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE

ALL WORK RELATED TO ADJUSTING MONUMENT BOXES TO GRADE WILL BE IN ACCORDANCE TO SECTIONS 623.04 AND 623.05 OF THE 2016 ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE MONUMENT BOX TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING ADJUSTABLE FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING MONUMENT BOX TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING, AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTINGS WITHOUT ADJUSTABLE FRAMES.

ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE 5 EA

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442) ITEM 253 - PAVEMENT REPAIR

THESE ITEMS OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH MAY BE ASPHALT, BRICK, CONCRETE, OR A COMBINATION OF EACH, IN AREAS OF EXISTING PAVEMENT FAILURE. CORING HAS BEEN PERFORMED TO HELP DETERMINE THE COMPONENTS THAT MAY BE ENCOUNTERED DURING THIS ITEM OF WORK. THE PAVEMENT CORING INFORMATION IS SHOWN ON PLAN SHEET 5.

PAVEMENT REPAIR SHALL BE PERFORMED AFTER PAVEMENT PLANING AND BEFORE PLACEMENT OF THE INTERMEDIATE AND/OR SURFACE COURSE. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 6", BASED ON THE PAVEMENT DESIGN AND AN AVERAGE DEPTH OF 4" AND AN AVERAGE WIDTH OF 4 FT FOR ESTIMATING PURPOSES.

THE CONTRACTOR SHALL BE CAPABLE OF PERFORMING PAVEMENT REPAIRS 2 FEET WIDE.

REPLACEMENT MATERIAL SHALL BE ITEM 301, OR ITEM 442 19MM MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ITEM 301 ASPHALT CONCRETE CAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 3" AND 12" WITH A MAXIMUM PAVEMENT LIFT OF 6". ITEM 442 19MM CAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 1.5" AND 3". ITEM 301 SHALL USE PG64-22 ASPHALT BINDER AND ITEM 442 19MM SHALL USE PG64-28 BINDER.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (442) IS TO BE A MAXIMUM OF 4" DEEP AND ITEM 253 PAVEMENT REPAIR IS FOR DEPTHS GREATER THAN 4". PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER CUBIC YARD, (BY TICKET WEIGHT CONVERSION), OF ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442) OR ITEM 253 - PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442) 1300 CY
ITEM 253 - PAVEMENT REPAIR 130 CY

CURB RAMPS

ESTIMATED QUANTITES SHOWN IN THE TABLE BELOW HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO INSTALL OR UPGRADE CURB RAMPS. RAMPS SHALL BE BUILT AS DETAILED IN BP-7.1.

CURB RAMP SUBSUMMARY

PLAN SPLIT	ROUTE	SLM	INTERSECTED FACILITY	SIDE OF INTERSECTION	CURB RAMP TYPE (SEE BP-7.1)	608 CURB RAMP	202 WALK REMOVED	609 CURB TYPE, 6	202 CURB REMOVED
						SF	SF	FT	FT
01/NFP/PV	US 250	6.74	CHAPEL ST.	NE	A2	75	75	15	15
01/NFP/PV	US 250	6.74		SE	A2	75	75	15	15
01/NFP/PV	US 250	6.84	CROWELL ST.	NW	B3	75	75	15	15
01/NFP/PV	US 250	6.84		NW	A2	75	75	15	15
01/NFP/PV	US 250	6.84		SW	A2	75	75	15	15
01/NFP/PV	US 250	6.84	ROBINSON ST.	NE	A2	75	75	15	15
01/NFP/PV	US 250	6.84		NE	A2	75	75	15	15
01/NFP/PV	US 250	6.84		SE	A2	75	75	15	15
01/NFP/PV	US 250	6.92	W. MAIN ST.	NW	A2	75	75	15	15
01/NFP/PV	US 250	6.92		NW	A2	75	75	15	15
01/NFP/PV	US 250	6.92		SW	A2	75	75	15	15
01/NFP/PV	US 250	6.92	E. MAIN ST.	NE	A2	75	75	15	15
01/NFP/PV	US 250	6.92		NE	A2	75	75	15	15
01/NFP/PV	US 250	6.92		SE	A2	75	75	15	15
01/NFP/PV	US 250	7.00	TALLEY ALLEY	NW	A2	75	75	15	15
01/NFP/PV	US 250	7.00		SW	A2	75	75	15	15
TOTAL CARRIED TO GENERAL SUMMARY						1200	1200	240	240

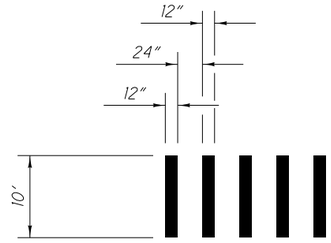
ITEM 611 - CASTINGS ADJUSTED TO GRADE

THE CASTING TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING CASTING TO THE SATISFACTION OF THE ENGINEER. IT IS NOT INTENDED TO PLACE NEW FRAMES WHERE NONE CURRENTLY EXIST. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING, AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTINGS WITHOUT FRAMES.

ITEM 611 - MANHOLE ADJUSTED TO GRADE 10 EA
ITEM 611 - CATCH BASIN ADJUSTED TO GRADE 19 EA

ITEM 644 - CROSSWALK LINE, AS PER PLAN

THE MARKING DETAIL SHOWN BELOW SHALL ONLY BE APPLIED TO ASD-250 MAINLINE AT THE SR545 INTERSECTION AND THE MAIN ST INTERSECTION TO IMPROVE DRIVER AWARENESS OF THE PEDESTRIAN CROSSINGS IN THE VILLAGE OF SAVANNAH.



ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN

THIS ITEM SHALL BE USED FOR CORRECTION OF CROWN, PROFILE AND ANY OTHER IRREGULARITIES.

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
USE A PG 64-22 BINDER.
MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 30 PERCENT.
APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.
QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W-8-1-36) SHALL BE ERECTED AT ANY TRANSVERSE JOINT LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

CALCULATED CVH CHECKED CAD

GENERAL NOTES

ASD-250-0.00

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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	7	10	11	20	21	23	24	25	01/NFP/PV	02/NFP/BR						
																ROADWAY	
1,200										1,200		202	30000	1,200	SF	WALK REMOVED	
240										240		202	32000	240	FT	CURB REMOVED	
				2,550						2,550		202	38000	2,550	FT	GUARDRAIL REMOVED	
				22						22		202	42010	22	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
				8						8		202	42040	8	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
				20						20		202	47000	20	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
				617						617		203	20001	617	CY	EMBANKMENT, AS PER PLAN	6
				44.4						44.4		209	15000	44.4	STA	RESHAPING UNDER GUARDRAIL	
			15.68							15.68		209	60500	15.68	MILE	LINEAR GRADING	
				2,912.5						2,912.5		606	15050	2,912.5	FT	GUARDRAIL, TYPE MGS	
				150						150		606	17300	150	FT	GUARDRAIL, TYPE 5, 25' LONG-SPAN	
				23						23		606	26150	23	EACH	ANCHOR ASSEMBLY, MGS TYPE EMASH 2016	
				7						7		606	26550	7	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
				20						20		606	35140	20	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
1,200										1,200		608	52000	1,200	SF	CURB RAMP	
240										240		609	26000	240	FT	CURB, TYPE 6	4
5										5		623	39500	5	EACH	MONUMENT BOX ADJUSTED TO GRADE	
																EROSION CONTROL	
										5,000		832	30000	5,000	EACH	EROSION CONTROL	
																DRAINAGE	
19										19		611	98630	19	EACH	CATCH BASIN ADJUSTED TO GRADE	
10										10		611	99654	10	EACH	MANHOLE ADJUSTED TO GRADE	
																PAVEMENT	
1,300										1,300		251	01030	1,300	CY	PARTIAL DEPTH PAVEMENT REPAIR (442)	
130										130		253	02000	130	CY	PAVEMENT REPAIR	
			157,349							157,349		254	01000	157,349	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.50")	
			43							43		254	01600	43	SY	PATCHING PLANED SURFACE	
			12,423							12,423		407	20000	12,423	GAL	NON-TRACKING TACK COAT @ 0.08	
			7,600							7,600		408	10001	7,600	GAL	PRIME COAT, AS PER PLAN @ 0.04	4
			6,565							6,565		442	10000	6,565	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
			792							792		617	10100	792	CY	COMPACTED AGGREGATE	
			12.34							12.34		618	41000	12.34	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
			6.17							6.17		618	43000	6.17	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
										32,578		874	20000	32,578	FT	LONGITUDINAL JOINT PREPARATION	
																TRAFFIC CONTROL	
					613					613		621	00100	613	EACH	RPM	
					610					610		621	54000	610	EACH	RAISED PAVEMENT MARKER REMOVED	
				59						59		626	00110	59	EACH	BARRIER REFLECTOR, TYPE 2BIDIRECTIONAL	
	129									129		632	90500	129	FT	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE	5
					16.92					16.92		642	00104	16.92	MILE	EDGE LINE, 6", TYPE 1	
					8.47					8.47		642	00300	8.47	MILE	CENTER LINE, TYPE 1	
					450					450		644	00404	450	FT	CHANNELIZING LINE, 12"	
					438					438		644	00500	438	FT	STOP LINE	
					440					440		644	00600	440	FT	CROSSWALK LINE	
					295					295		644	00700	295	FT	TRANSVERSE/DIAGONAL LINE	
					6					6		644	01300	6	EACH	LANE ARROW	
	4									4		809	69100	4	EACH	STOP LINE RADAR DETECTION	
																STRUCTURE REPAIR (ASD-250-0009)	
						82					82	202	38602	82	FT	BRIDGE RAILING REMOVED FOR REUSE	
						M					M	254	01000	M	SY	PAVEMENT PLANING, ASPHALT CONCRETE(1.50")	
						2					2	442	20201	2	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN (PG 64-28)	4
						17					17	512	33010	17	SY	TYPE 3 WATERPROOFING	
						37					37	515	30000	37	FT	HIGH EARLY STRENGTH KEYWAY GROUT	
						82					82	517	75600	82	FT	DEEP BEAM BRIDGE RETROFIT RAILING	
						74					74	SPECIAL	5822300	74	FT	STEEL RAIL STRIP	6
						48					48	846	00110	48	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	

CALCULATED CVH CHECKED CAD

GENERAL SUMMARY

ASD-250-0.00

8
26

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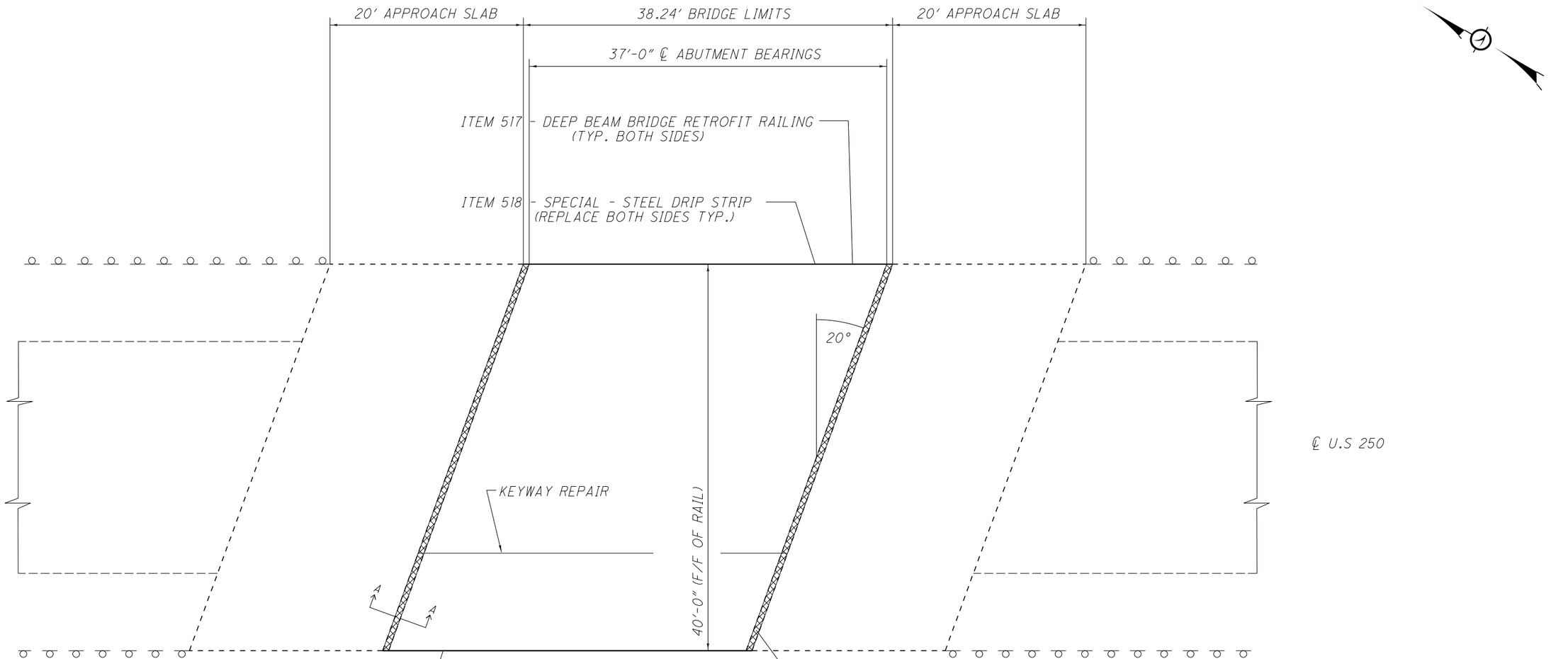
SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	7	10	11	20	21	23	24	25	01/NFP/PV	02/NFP/BR						
																STRUCTURE REPAIR (ASD-250-0106)	
							352				352	202	38602	352	FT	BRIDGE RAILING REMOVED FOR REUSE	
							1				1	442	20201	1	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN (PG 64-28)	4
							113				113	517	75600	113	FT	DEER BEAM BRIDGE RETROFIT RAILING	
							102				102	SPECIAL	51022300	102	FT	STEEL DRIP STRIP	6
							44				44	846	00110	44	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
																STRUCTURE REPAIR (ASD-250-0742)	
								156			156	202	38602	156	FT	BRIDGE RAILING REMOVED FOR REUSE	
								1			1	442	20201	1	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN (PG 64-28)	4
								104			104	517	75600	104	FT	DEER BEAM BRIDGE RETROFIT RAILING	
								44			44	846	00110	44	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
																STRUCTURE REPAIR (ASD-250-0756)	
									150		150	202	38602	150	FT	BRIDGE RAILING REMOVED FOR REUSE	
									1		1	442	20201	1	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN (PG 64-28)	4
									100		100	517	75600	100	FT	DEER BEAM BRIDGE RETROFIT RAILING	
									48		48	846	00110	48	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
																MAINTENANCE OF TRAFFIC	
		8								8		614	11110	8	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		76								76		614	12460	76	EACH	WORK ZONE MARKING SIGN	
		25								25		614	13000	25	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
		8									8	614	18601	8	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
					16.92					16.92		614	21550	16.92	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
					218					218		614	26610	218	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
					360					360		614	27620	360	FT	WORK ZONE CROSSWALK LINE, CLASS III, 642 PAINT	
																INCIDENTALS	
										LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
										2	2	619	16010	4	MNTH	FIELD OFFICE, TYPE B	
										LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS	LS	624	10000	LS		MOBILIZATION	

CALCULATED CVH CHECKED CAD

GENERAL SUMMARY

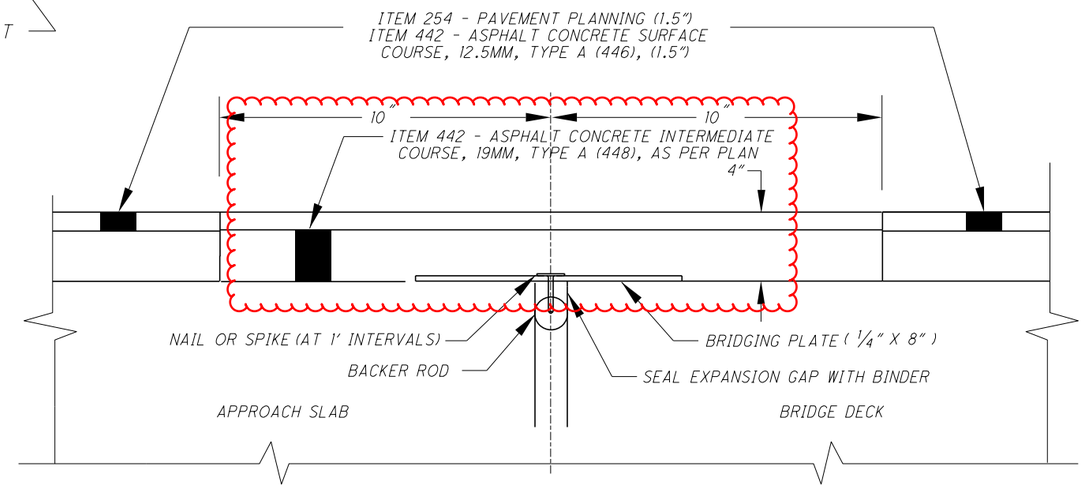
ASD-250-0.00



ESTIMATED QUANTITIES ASD-250-0009 (SFN: 0304549)

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION
202	38602	82	FT	BRIDGE RAILING REMOVED FOR REUSE
254	01000	17	SY	PAVEMENT PLANING, ASPHALT CONCRETE (2.50")
442	10000	2	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN
512	35010	17	SY	TYPE 3 WATERPROOFING
515	30000	37	FT	HIGH EARLY STRENGTH KEYWAY GROUT
517	75600	82	FT	DEEP BEAM BRIDGE RETROFIT RAILING
518	22300	74	FT	SPECIAL - STEEL DRIP STRIP
846	00110	48	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

ALL QUANTITIES CARRIED TO GENERAL SUMMARY



SECTION A-A

DESIGN AGENCY
ODOT
DISTRICT THREE

DESIGNED	DRAWN	REVIEWED	DATE
CHECKED	REVISED CVH	XXX	MM/DD/YY

STRUCTURE FILE NUMBER
0304549

SITE PLAN
ASD-250-0009
OVER INTERMITTENT WATERWAY

ASD-250-0.00

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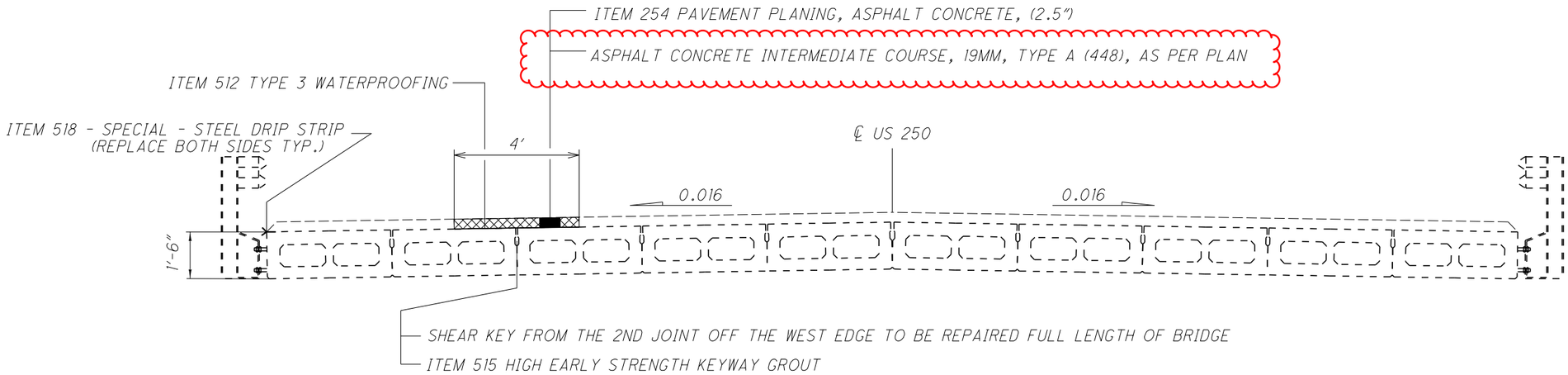
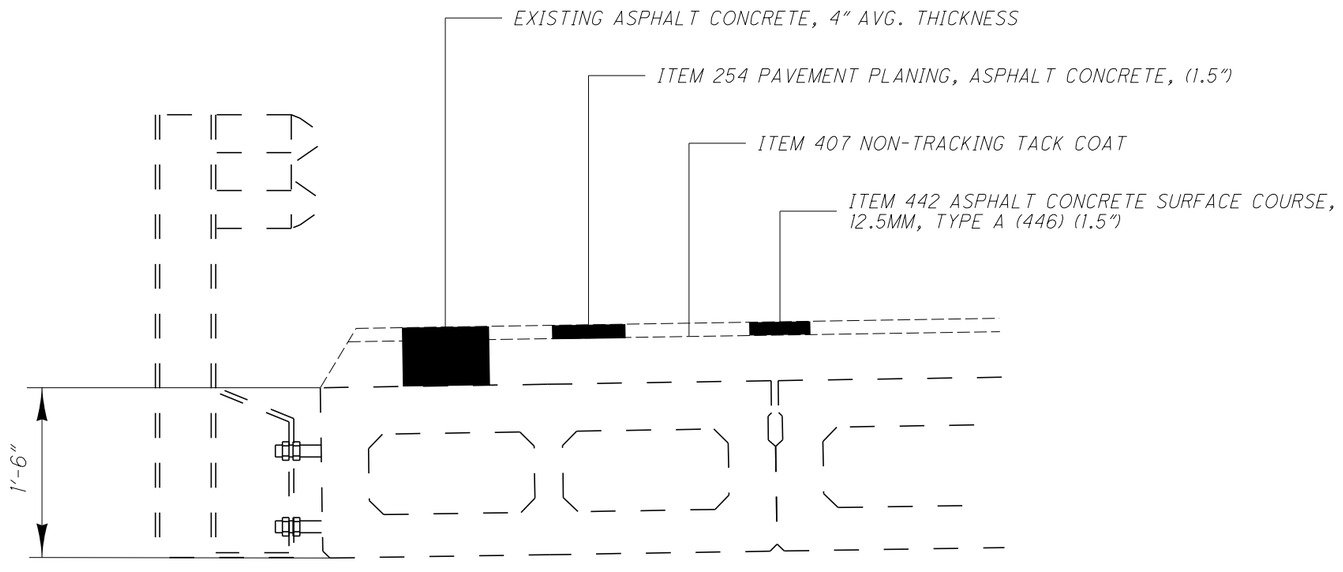


- WEARING COURSE REMOVED

TYPICAL DECK SECTION



SEQUENCE OF WORK

1) PLANE BRIDGE DECK 1.5" TO MEET MT-101.90 AND INSTALL WORK ZONE CENTER LINE.

2) REMOVE WEARING COURSE.

3) REMOVE AND REPAIR GROUT IN KEYWAY JOINT. THE KEYWAY SURFACES SHALL BE THOROUGHLY CLEANED OF ALL DIRT, DUST AND OTHER FOREIGN MATTER BY SANDBLASTING AND HIGH PRESSURE WASHING. ANY CARBONATION FOUND SHALL BE REMOVED BY RE-BLASTING AND RE-WASHING. DRYNESS OF THE KEYWAY SURFACE BEFORE GROUTING SHALL BE AS PER THE MANUFACTURERS RECOMMENDATION

4) INSTALL WATERPROOFING AND INTERMEDIATE ASPHALT AFTER GROUT ACHIEVES 5000PSI PER ALTERNATE 2 ON PSBD-2-07

5) PAVE SURFACE COURSE ON BRIDGE

DESIGN AGENCY ODOT DISTRICT THREE

DESIGNED | CHECKED

DRAWN XXX | REVISED CVH

REVIEWED XXX | DATE MM/DD/YY | STRUCTURE FILE NUMBER 0304549

SITE PLAN
ASD-250-0009
OVER INTERMITTENT WATERWAY

ASD-250-0.00

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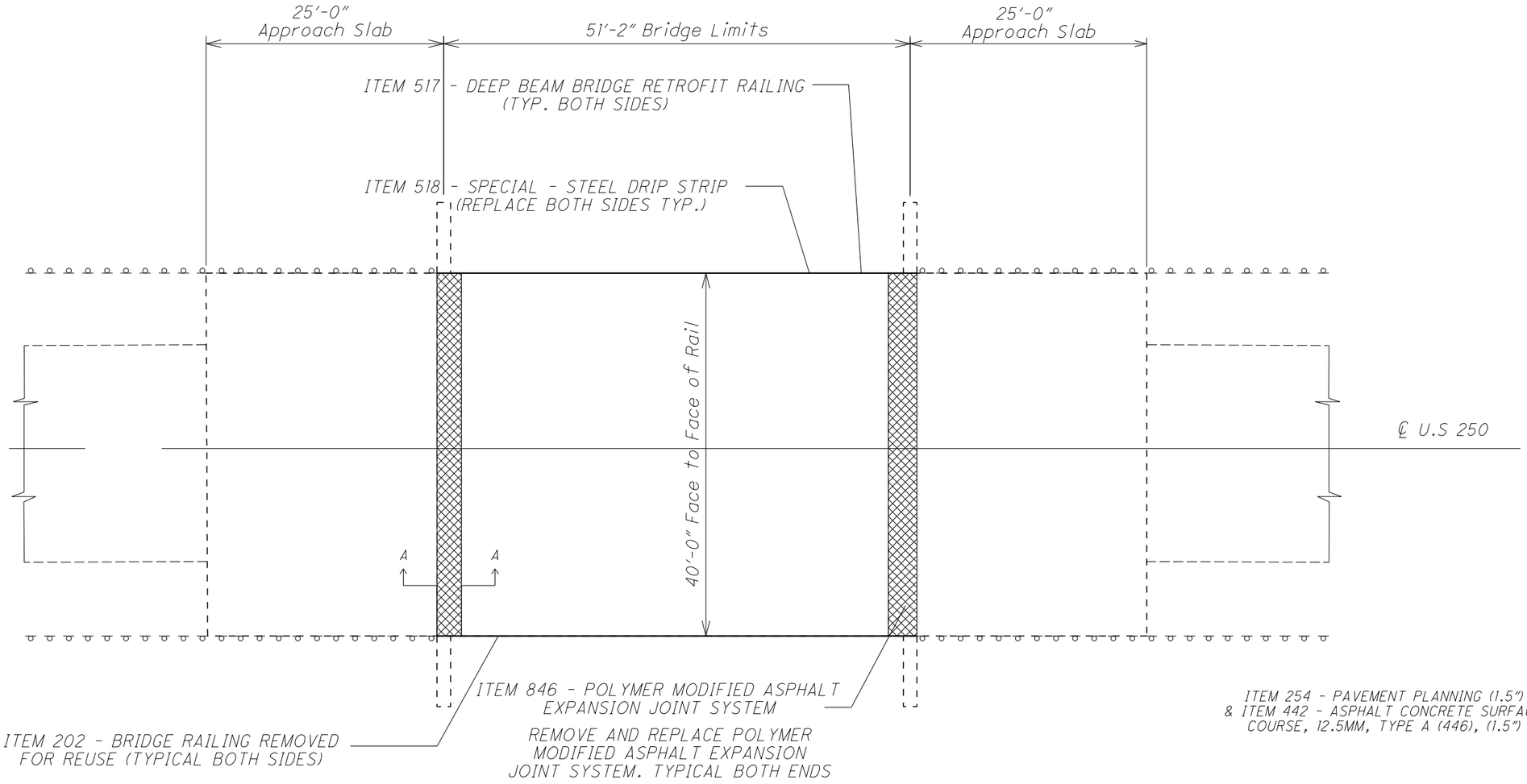
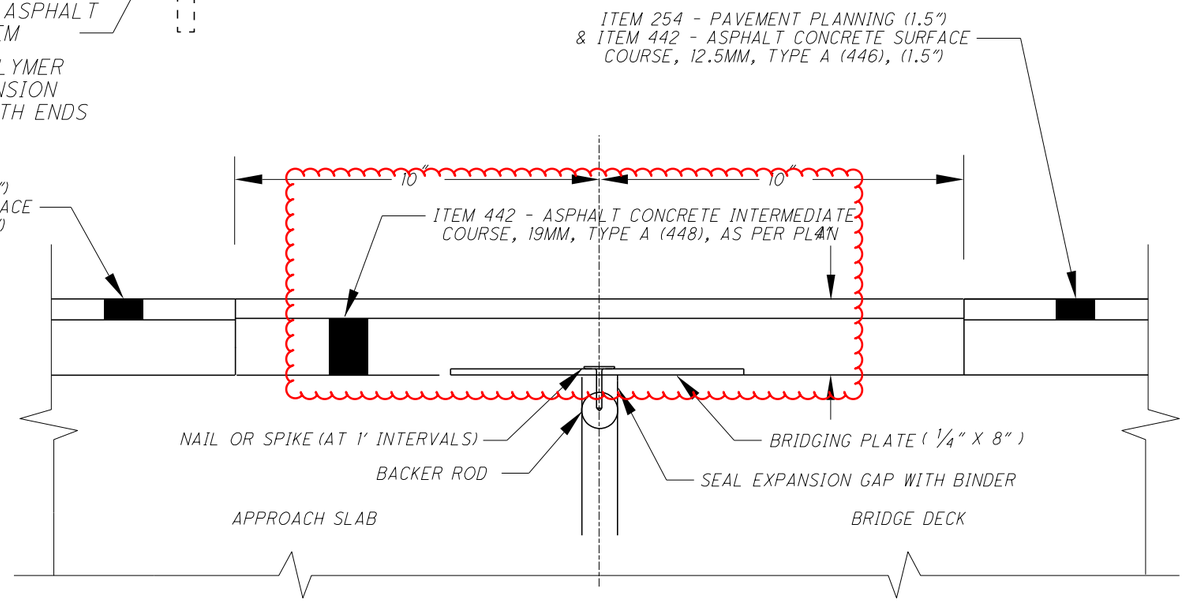


ESTIMATED QUANTITIES ASD-250-0106 (SFN: 0304573)

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION
202	08602	852	AT	BRIDGE RAILING REMOVED FOR REUSE
442	10000	1	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN
517	75600	113	PT	DEEP BEAM BRIDGE RETROFIT RAILING
518	22500	102	AT	SPECIAL - STEEL DRIP STRIP
846	00110	44	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

ALL QUANTITIES CARRIED TO GENERAL SUMMARY



SECTION A-A

DESIGN AGENCY
ODOT
DISTRICT THREE

DESIGNED	DRAWN	REVIEWED	DATE
CHECKED	REVISED CVH	XXX	MM/DD/YY

STRUCTURE FILE NUMBER
0304573

SITE PLAN
ASD-250-0106
OVER BRANCH OF VERMILION RIVER

ASD-250-0.00

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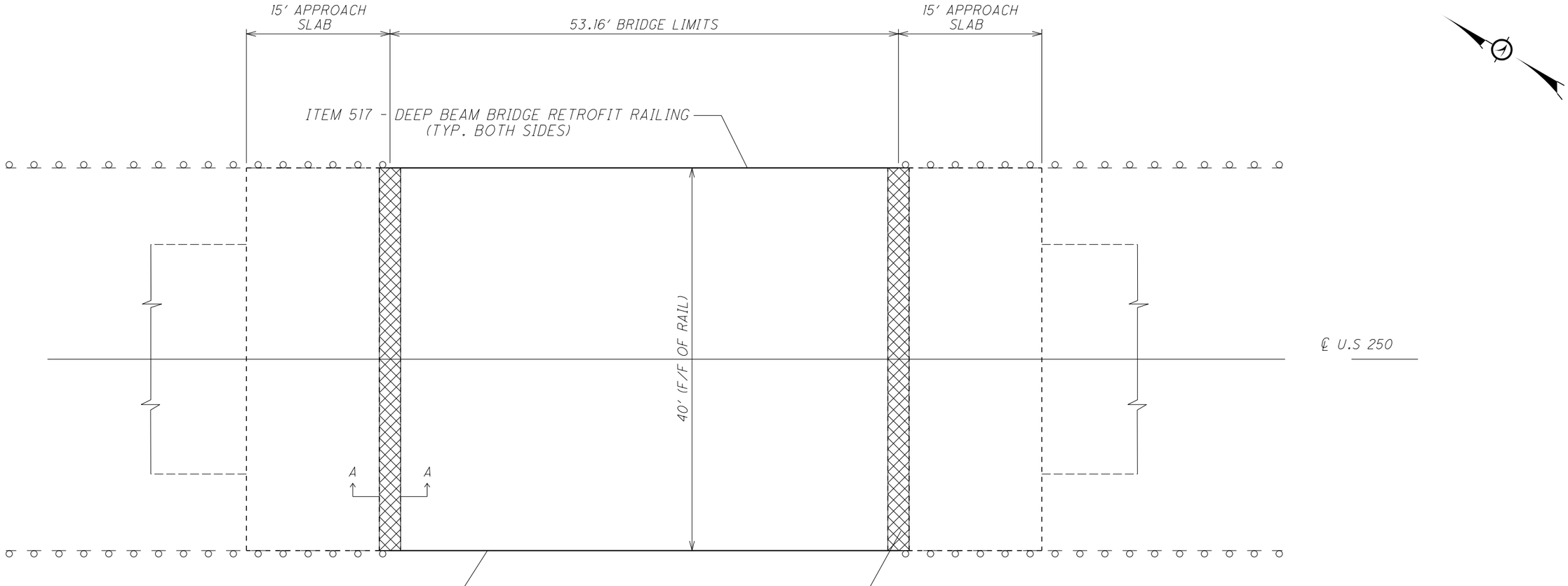
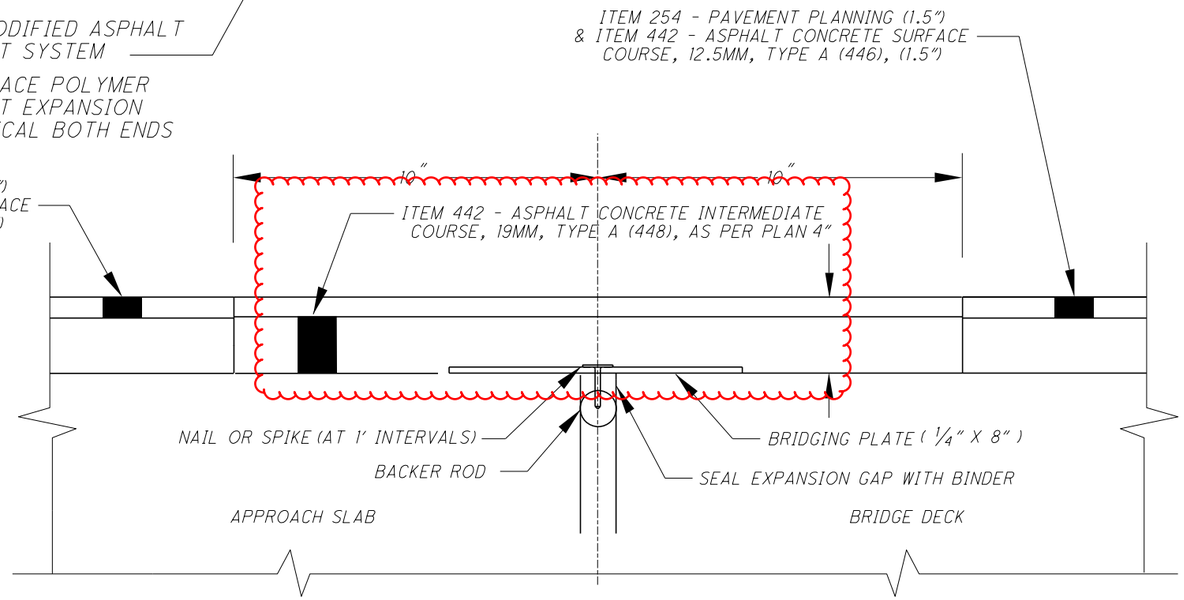


ESTIMATED QUANTITIES ASD-250-0742 (SFN: 0304735)

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION
202	58602	156	FT	BRIDGE RAILING REMOVED FOR REUSE
442	10000	1	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN
517	15800	108	FT	DEEP BEAM BRIDGE RETROFIT RAILING
846	00110	44	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

ALL QUANTITIES CARRIED TO GENERAL SUMMARY



SECTION A-A

DESIGN AGENCY
ODOT
DISTRICT THREE

DESIGNED	DRAWN	REVIEWED	DATE
XXX	XXX	XXX	MM/DD/YY
CHECKED	REVISED	STRUCTURE FILE NUMBER	
XXX	XXX	0304735	

SITE PLAN
ASD-250-0742
OVER BRANCH OF VERMILION RIVER

ASD-250-0.00

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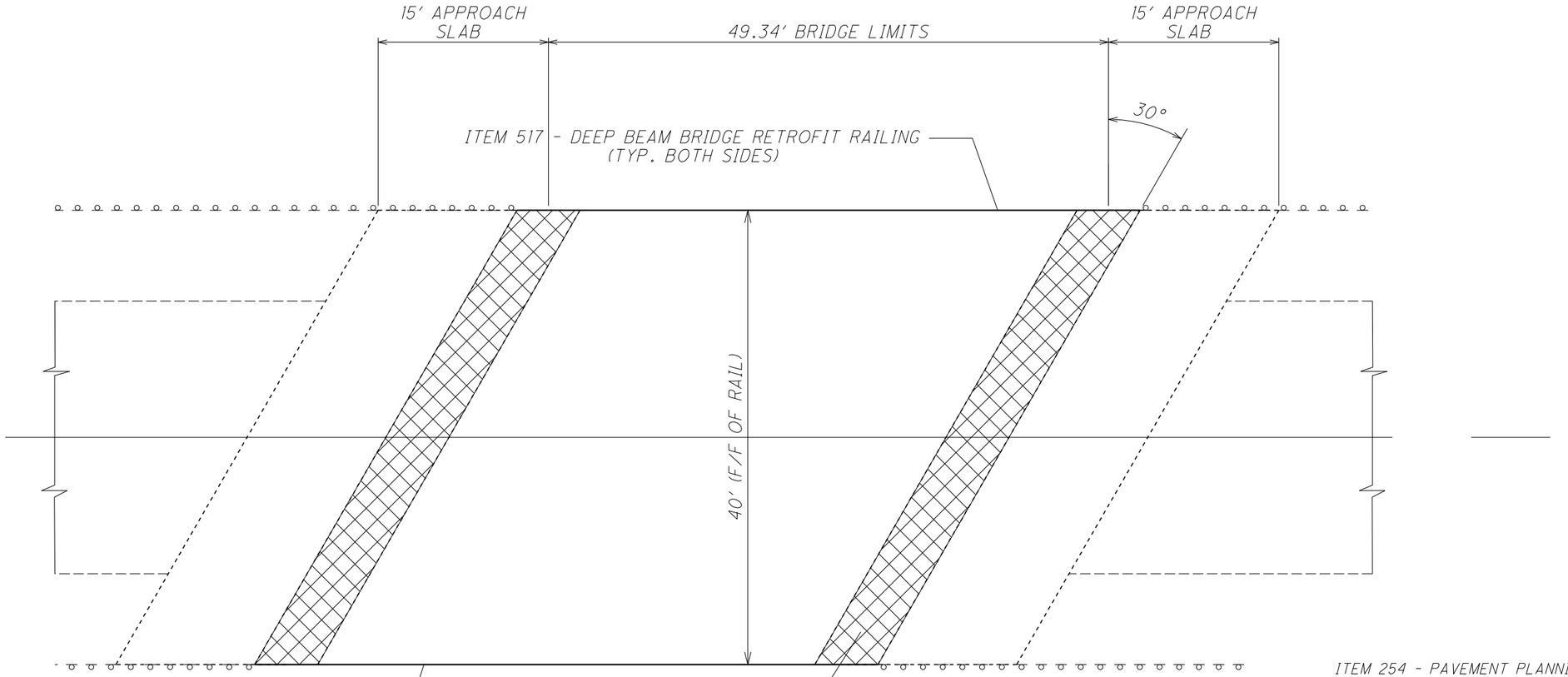

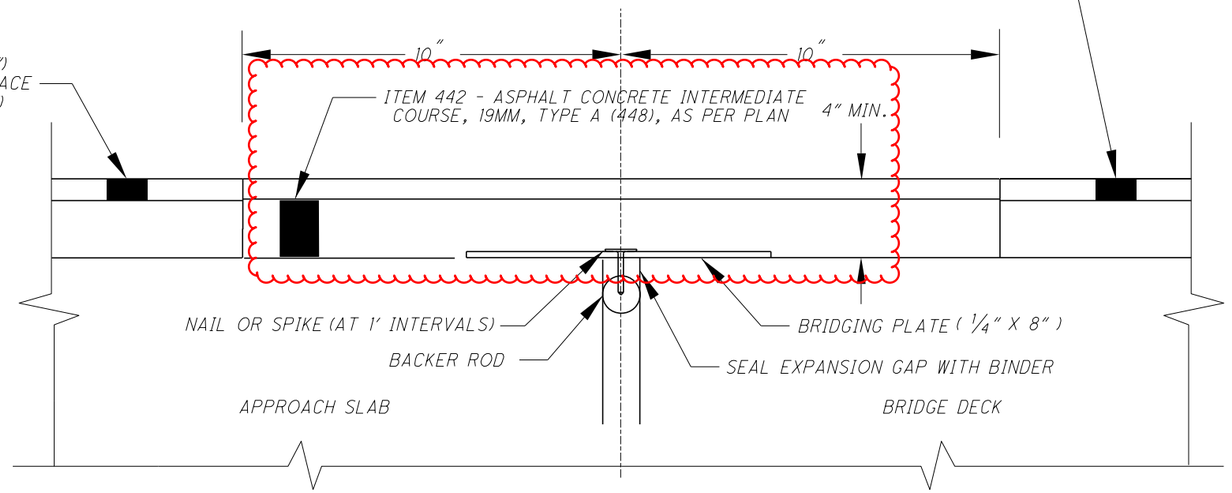

SECTION A-A

ESTIMATED QUANTITIES ASD-250-0756 (SFN: 0304751)

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION
202	38602	150	FT	BRIDGE RAILING REMOVED FOR REUSE
442	10000	1	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN
517	43600	100	FT	DEEP BEAM BRIDGE RETROFIT RAILING
846	00110	48	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

DESIGN AGENCY
ODOT
DISTRICT THREE

DESIGNED	DRAWN	REVIEWED	DATE
XXX	XXX	XXX	MM/DD/YY
CHECKED	REVISED	STRUCTURE FILE NUMBER	
XXX	XXX	0304751	

SITE PLAN
ASD-250-0756
OVER SAVANNAH LAKE DITCH

ASD-250-0.00

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