

MUS - IR 70-05.57  
 210207 PID - 21640  
 Dist 5 4/1/2021

STATE OF OHIO  
 DEPARTMENT OF TRANSPORTATION

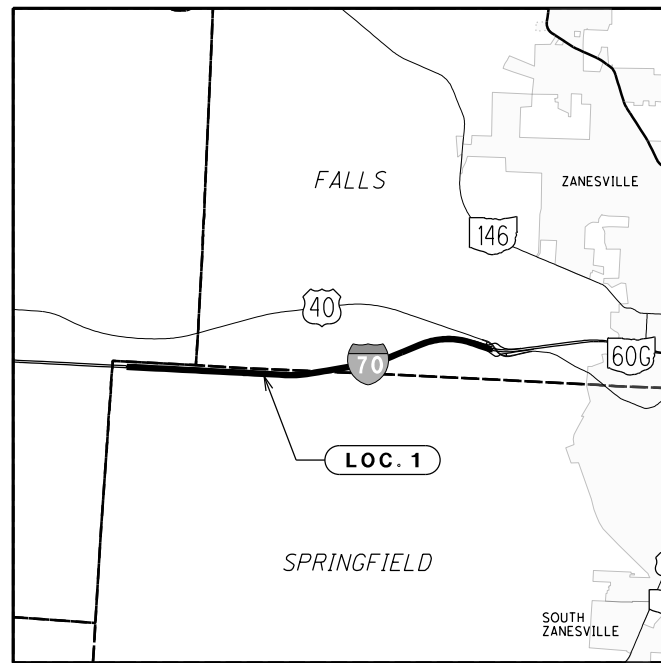
**MUS-70-5.57**

SPRINGFIELD AND FALLS TOWNSHIPS  
 MUSKINGUM COUNTY

**PROJECT DESCRIPTION**

ASPHALT CONCRETE RESURFACING AND RELATED WORK ON I.R. 70 IN MUSKINGUM COUNTY. PATCHING/DECK SEALING ON VARIOUS STRUCTURES THROUGHOUT PROJECT.

PROJECT EARTH DISTURBED AREA = 0.21 ACRES  
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA = 0.13 ACRES  
 NOTICE OF INTENT EARTH DISTURBED AREA = (NOI NOT REQUIRED)



LOCATION MAP

LATITUDE: N 39° 56' 40" LONGITUDE: W 82° 05' 03"

PORTION TO BE IMPROVED \_\_\_\_\_

DESIGN DESIGNATION	MUS-70
FUNCTIONAL CLASSIFICATION	INT
OPENING YEAR ADT (2020)	38,500
DESIGN YEAR ADT (2032)	42,500
DESIGN HOURLY VOLUME (2032)	4,200
DIRECTIONAL DISTRIBUTION	50%
TRUCKS (24 HOUR B&C)	25%
DESIGN SPEED	70 MPH
LEGAL SPEED	70 MPH
NHS PROJECT	YES

INT = INTERSTATE

**DESIGN EXCEPTIONS**

NONE REQUIRED

**ADA DESIGN WAIVER**

NONE REQUIRED



PLAN PREPARED BY:  
 OHIO DEPARTMENT OF TRANSPORTATION  
 DISTRICT 5 PLANNING & ENGINEERING

**INDEX OF SHEETS**

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LOCATION	PLAN SPPLIT	COUNTY	ROUTE	BEGIN SLM	END SLM	LENGTH MILES	CITY/VILLAGE
I	I	MUS	70	5.57	9.61	4.04	

**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.

**2019 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS 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.

ENGINEER'S SEAL	STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
	BP-3.1	1/17/20	MT-98.28	1/17/20	800	1/15/21
	BP-4.1	7/19/13	MT-98.29	1/17/20	808	1/18/19
	BP-9.1	1/18/19	MT-98.30	7/19/19	821	4/20/12
	BP-9.2	1/15/21	MT-99.20	4/19/19	832	10/19/18
			MT-101.60	1/17/20	908	10/20/17
	MT-95.30	7/19/19	MT-101.90	7/17/20	921	4/20/12
	MT-95.50	7/21/17	MT-104.10	10/16/15	961	4/17/20
	MT-95.50	7/21/17	MT-105.10	1/17/20		
	MT-96.11	4/17/20				
	MT-96.20	7/15/16	TC-65.10	1/17/14		
	MT-96.26	1/18/19	TC-65.11	7/21/17		
	MT-98.10	1/17/20	TC-71.10	1/19/18		
	MT-98.11	1/17/20	TC-72.20	7/20/18		
	MT-98.20	1/17/20	TC-73.20	1/17/20		
MT-98.22	1/17/20					
				SPECIAL PROVISIONS		
				PMTP DATE: 9/12/17		

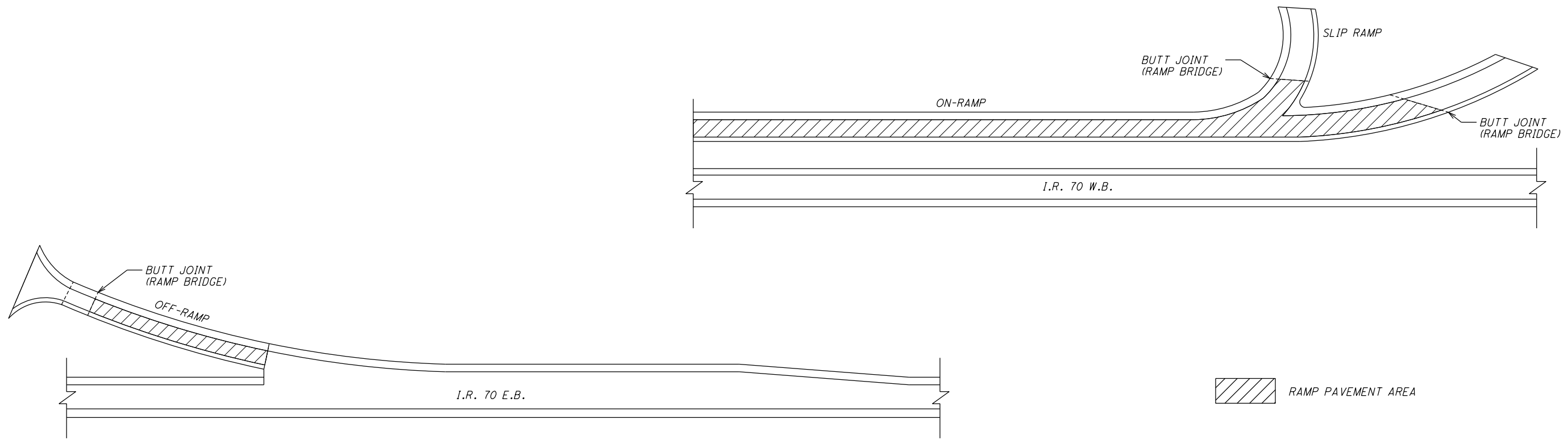
SIGNED:   
 DATE: 1/4/2021

APPROVED:   
 DATE 12/30/2020 DISTRICT DEPUTY DIRECTOR

APPROVED:   
 DATE 2/19/2021 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. E191(208)  
 CONSTRUCTION PROJECT NO. 21640  
 RAILROAD INVOLVEMENT NONE  
 MUS-70-5.57  
 1/24

Contract Proposal available @ www.contracts.dot.state.oh.us  
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**RAMP PAVEMENT DATA**

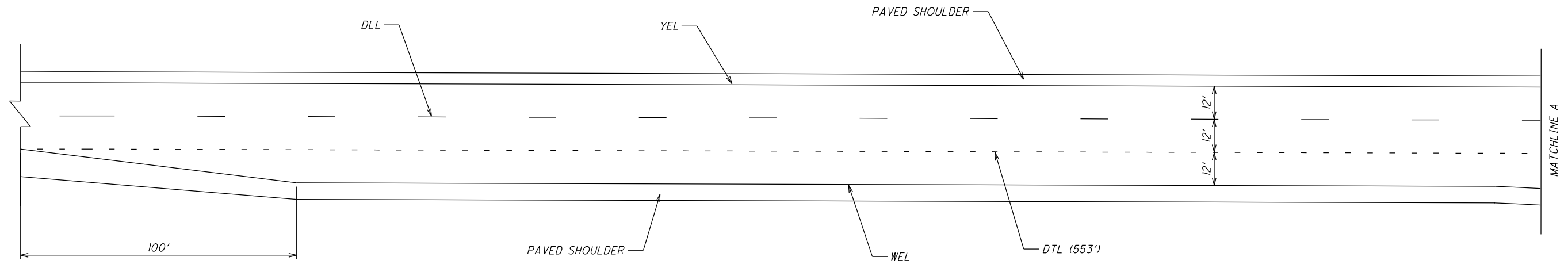
LOCATION	COUNTY	ROUTE	DESCRIPTION	RAMP LENGTH LIN. FT.	RAMP WIDTH FT.	RAMP PAVEMENT AREA SQ. YD.	254	407	442		SPECIAL	
							PAVEMENT PLANING, ASPHALT CONCRETE, 1.75"	NON-TRACKING TACK COAT @ 0.08 GAL./S.Y.	ANTI-SEGREGATION EQUIPMENT	THICKNESS INCH	SURFACE COURSE, 12.5 MM, TYPE A (447) CU.YD.	RUMBLE STRIPS, TRANSVERSE (ASPHALT CONCRETE) EACH
1	LIC	I.R. 70 E.B.	OFF RAMP TO U.S. 40	816.0	16.0	1,450.7	1,450.7	116.1	70.6	1.75	70.6	3
		I.R. 70 W.B.	ON RAMP FROM U.S. 40	1,471.0	16.0	2,615.1	2,615.1	209.3	127.2	1.75	127.2	
			SLIP RAMP FROM U.S. 40	42.0	16.0	74.7	74.7	6.0	3.7	1.75	3.7	
<b>LOCATION 1 TOTALS (CARRIED TO GENERAL SUMMARY)</b>							<b>4,140.5</b>	<b>331.4</b>	<b>201.5</b>		<b>201.5</b>	<b>3</b>

**RAMP PAVEMENT DATA**

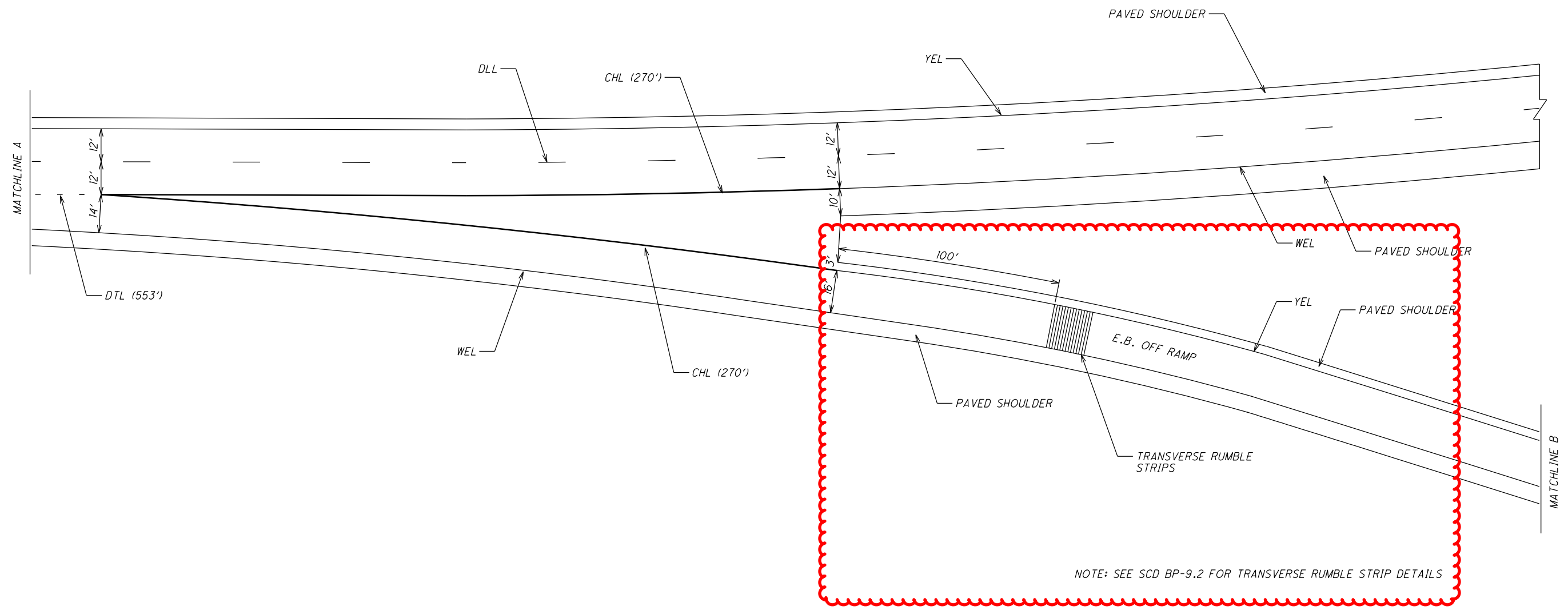
**MUS-70-5.57**

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CHL = CHANNELLIZING LINE  
 DLL = DASHED LANE LINE  
 DTL = DOTTED LINE  
 WEL = WHITE EDGE LINE  
 YEL = YELLOW EDGE LINE



NOTE: SEE SCD BP-9.2 FOR TRANSVERSE RUMBLE STRIP DETAILS



CALCULATED  
 LIME  
 CHECKED  
 JSL

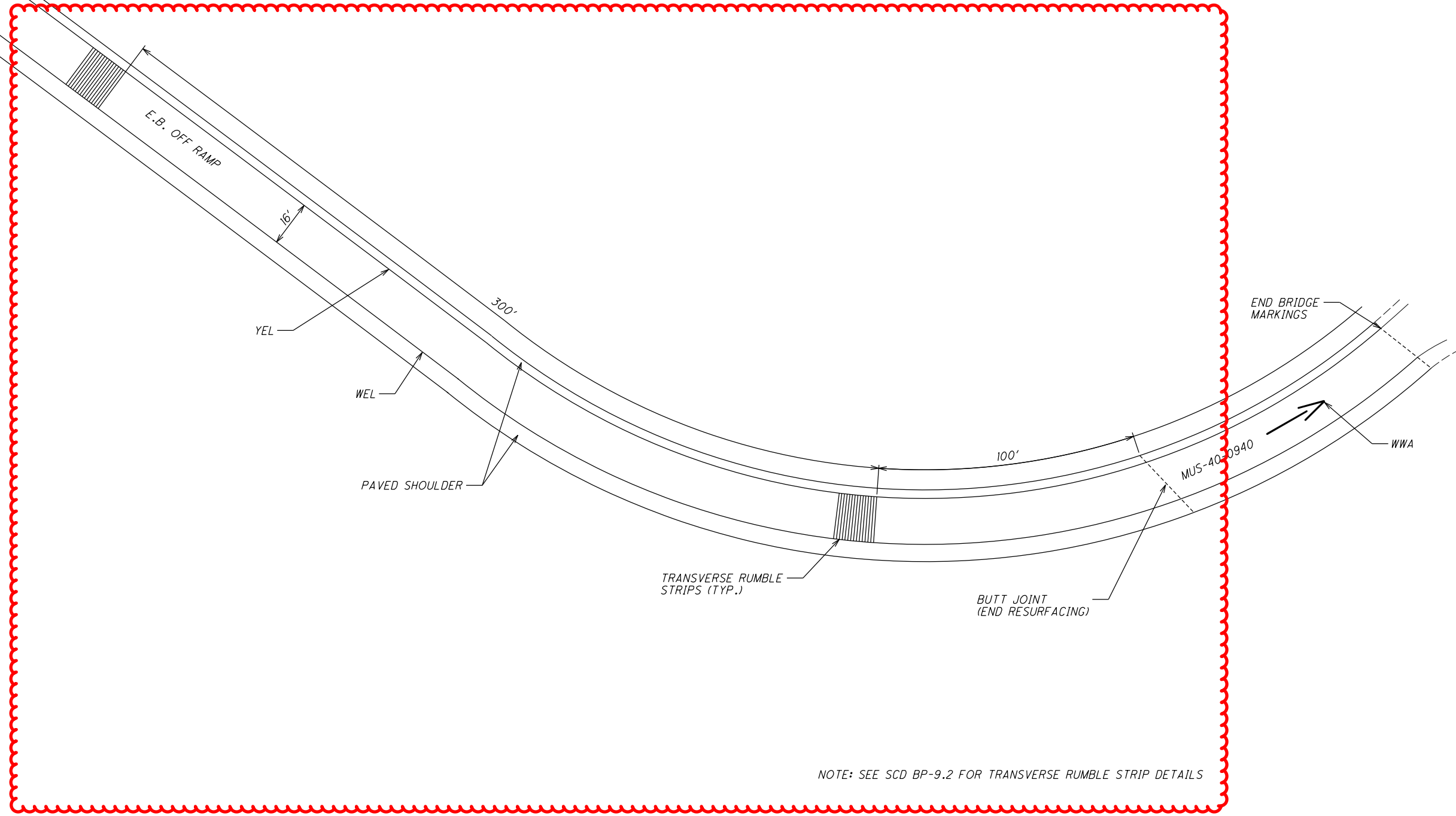
**PAVEMENT MARKING DETAILS**  
**E.B. OFF RAMP TO U.S. 40**

**MUS-70-5.57**

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MATCHLINE B

- CHL = CHANNELLIZING LINE
- DLL = DASHED LANE LINE
- DTL = DOTTED LINE
- WEL = WHITE EDGE LINE
- WWA = WRONG WAY ARROW
- YEL = YELLOW EDGE LINE



NOTE: SEE SCD BP-9.2 FOR TRANSVERSE RUMBLE STRIP DETAILS

	10 HORIZONTAL SCALE IN FEET
CALCULATED LIME	CHECKED JSL

**PAVEMENT MARKING DETAILS**  
**E.B. OFF RAMP TO U.S. 40**

**MUS-70-5.57**

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LOCATION 1 SHEET TOTALS									PLAN SPLITS			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
2	3	8	9	10	11	12	13	14	01/IMS/PV	02/IMS/BR	03/S<2/BR						
<b>ROADWAY</b>																	
					205				205			203	10000	205	CY	EXCAVATION	
					1,016				1,016			204	10000	1,016	SY	SUBGRADE COMPACTION	
16.04									16.04			209	60500	16.04	MILE	LINEAR GRADING	
<b>EROSION CONTROL</b>																	
					1,000				1,000			659	00510	1,000	SY	SEEDING AND MULCHING, CLASS 2	
									1,000			832	30000	1,000	EACH	EROSION CONTROL	
<b>PAVEMENT</b>																	
250									250			253	02000	250	CY	PAVEMENT REPAIR (A)	
700									700			253	02000	700	CY	PAVEMENT REPAIR (B)	
					1,016							254	01000	1,016	SY	PAVEMENT PLANING, ASPHALT CONCRETE , 1.25"	
		113,767	67,584	4,909		4,141	2,329		192,730			254	01000	192,730	SY	PAVEMENT PLANING, ASPHALT CONCRETE , 1.75"	
					170				170			301	46000	170	CY	ASPHALT CONCRETE BASE, PG64-22	
		9,102	5,408	394	164	332	187		15,587			407	20000	15,587	GAL	NON-TRACKING TACK COAT	
			7,585				415		8,000			408	10001	8,000	GAL	PRIME COAT, AS PER PLAN	2
					71				71			441	50000	71	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
		5,531		239		202			5,972			442	00100	5,972	CY	ANTI-SEGREGATION EQUIPMENT	
		5,531	3,286	239		202	114		9,372			442	10300	9,372	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	2
								192	192			516	31011	192	FT	2" DEEP JOINT SEALER, AS PER PLAN (A)	2
			1,046				58		1,104			617	10101	1,104	CY	COMPACTED AGGREGATE, AS PER PLAN	2
			16.04						16.04			618	40600	16.04	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
									3			SPECIAL	69098000	3	EACH	RUMBLE STRIPS, TRANSVERSE (ASPHALT CONCRETE)	17-18
	LS								LS			SPECIAL	69098400		LS	PAVER MOUNTED THERMAL PROFILING (PMTP)	3

CALCULATED LIME CHECKED JSL  
**GENERAL SUMMARY**  
**MUS - 70-5.57**  
 22  
 24