

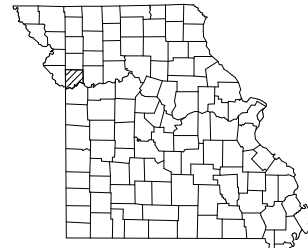
**DESIGN DESIGNATION**

A.A.D.T. - 2025 = 20,450  
 A.A.D.T. - 2035 = 21,000  
 D.H.V. = 2,100  
 T = 5%  
 V = 40, 45 M.P.H.

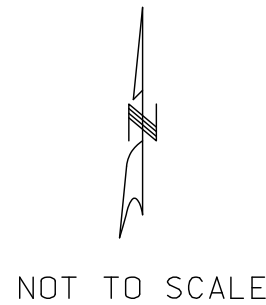
FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

NO RIGHT OF WAY ACQUIRED

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY CLAY COUNTY



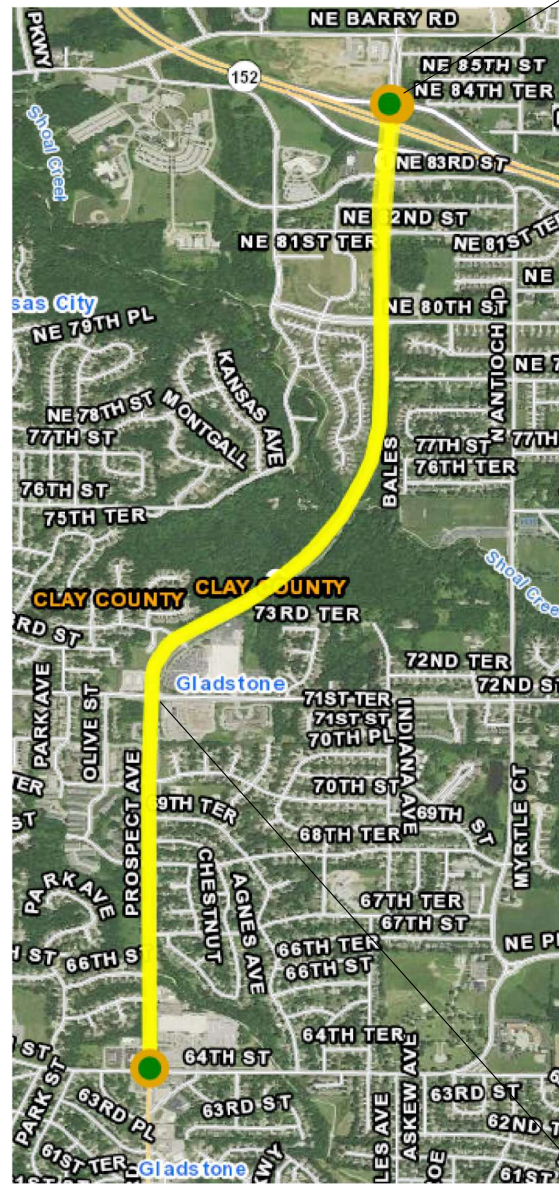
KEY MAP  
 LOCATION OF CLAY COUNTY



**CONVENTIONAL SYMBOLS  
 (USED IN PLANS)**

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK	-V-	-V-
WOVEN WIRE	-X-	-X-
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



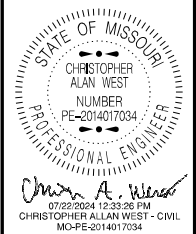
MO 1  
 SB LOG MILE -0.040  
 AT INDIANA AVE  
 ASPHALT BEGINNING

PAVEMENT IMPROVEMENT  
 COLDMILL EXISTING UBAWS PAVEMENT ( $\pm 0.75''$ )  
 1.50" MODIFIED COLDMILL TO CURBS - ROADWAY  
 1.50" TYPE SP095B, (PG 70-22) - ROADWAY  
 1.50" BP-2 (PG 64-22) - SHOULDERS

MO 1  
 SB LOG MILE 1.770  
 AT 72ND STREET  
 SOUTH RADIUS RETURN

**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (5 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4-6
SPECIAL SHEETS (SS)-----	7
TRAFFIC CONTROL SHEETS (TC)-----	8-15
PAVEMENT MARKING (PM)-----	16-18



DATE PREPARED  
 7/22/2024  
 ROUTE 1 STATE MO  
 DISTRICT KC SHEET NO. 1  
 COUNTY CLAY  
 JOB NO. JKU0046  
 CONTRACT ID.

PROJECT NO.  
 BRIDGE NO.

DESCRIPTION	DATE

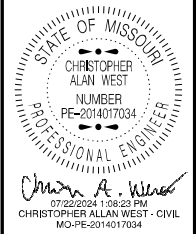
**LENGTH OF PROJECT**

BEGINNING OF PROJECT	SB LOG MILE -0.040	NB LOG MILE 5.530
END OF PROJECT	SB LOG MILE 1.770	NB LOG MILE 7.337
APPARENT LENGTH	SB 1.810 MILES	NB 1.807 MILES
NET LENGTH OF PROJECT	SB 9556.80 FEET	NB 9540.96 FEET
STATE LENGTH	1.810 MILES	
FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES	0.00 ACRES	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.



DATE PREPARED  
**7/22/2024**

ROUTE 1 STATE MO  
DISTRICT KC SHEET NO. 2

COUNTY CLAY  
JOB NO. JKU0046  
CONTRACT ID.

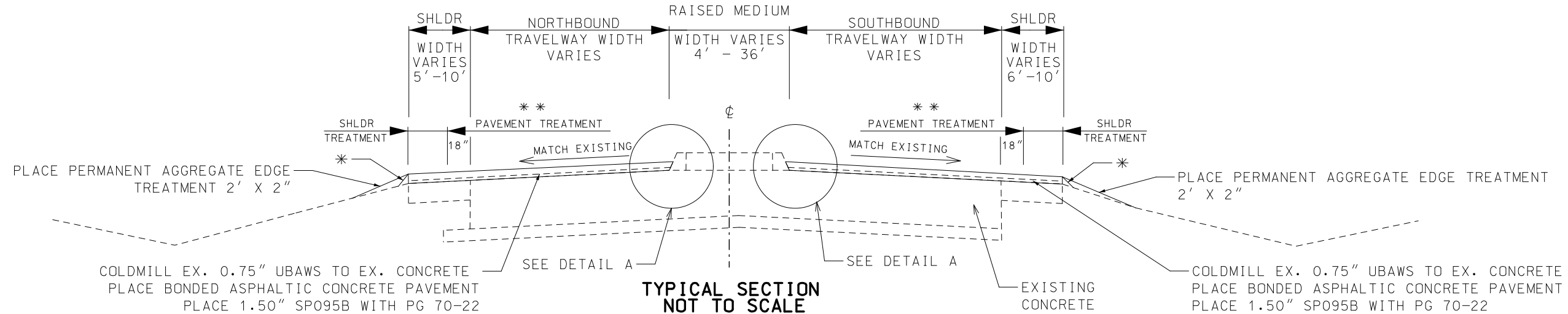
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

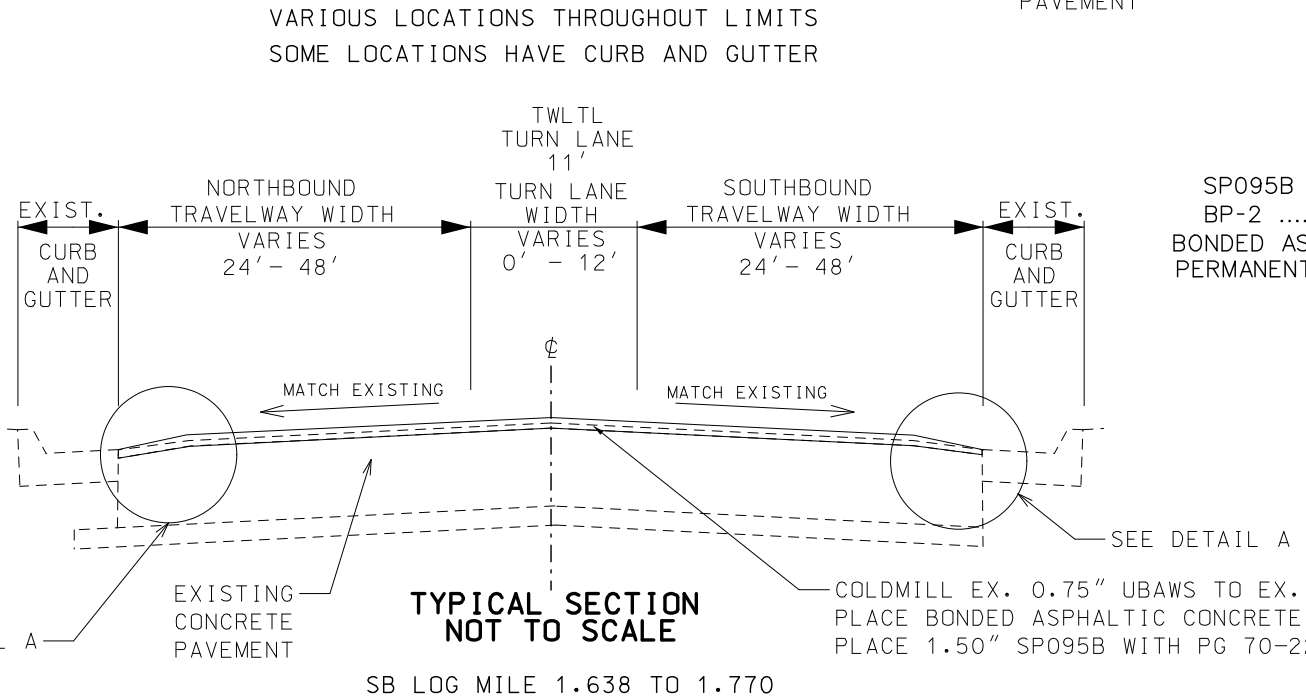
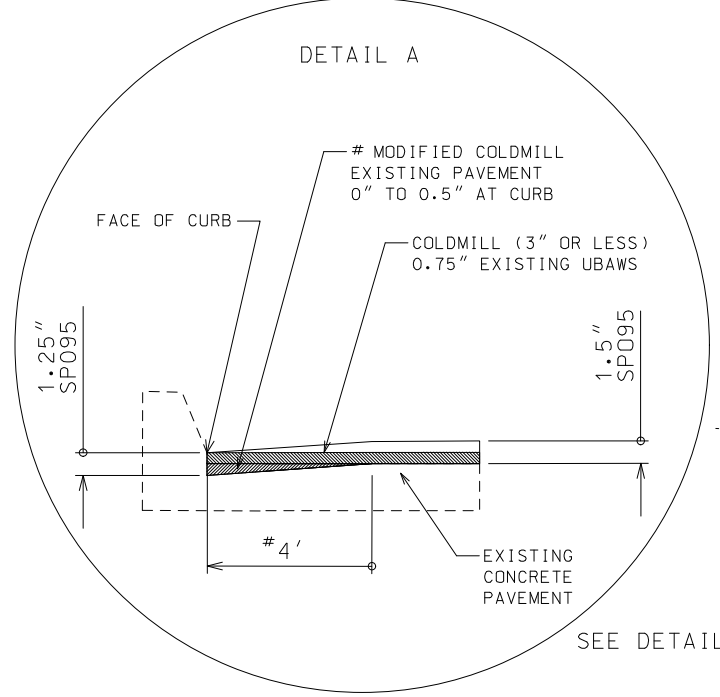


**ESTIMATE FACTORS**

ASPHALT PAVEMENT MIXTURE

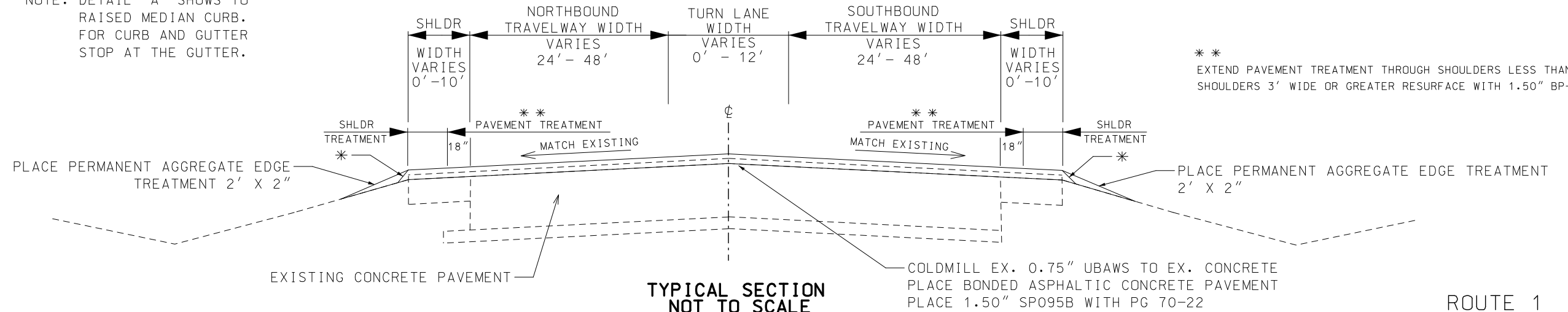
- SP095B .....1.974 TONS/CU.YD.
- BP-2 .....1.984 TONS/CU.YD.
- BONDED ASPHALTIC CONCRETE PAVEMENT.....0.2 GAL./SQ. YD.
- PERMANENT AGGREGATE EDGE TREATMENT.....1.88 TONS/CU.YD.

NOTE: INCLUDE COLDMILLING AND RESURFACING THE RADIUS RETURNS AT INTERSECTIONS



NOTE: DETAIL "A" SHOWS TO RAISED MEDIAN CURB. FOR CURB AND GUTTER STOP AT THE GUTTER.

\*\* EXTEND PAVEMENT TREATMENT THROUGH SHOULDERS LESS THAN 3' WIDE  
SHOULDERS 3' WIDE OR GREATER RESURFACE WITH 1.50" BP-2



\* SEE SAFETY EDGE STD PLANS 401.00 SHEET 3 OF 3

PAVING AND COLDMILLING

SB BEGIN LOG MILE	SB END LOG MILE	LENGTH FT	PAVEMENT AREA SY	SHOULDERS AREA SY	1.5" SP095B MAINLINE 1.974 TONS/CY TONS	1.5" BP-2 SHOULDER 1.984 TONS/CY TONS	BONDED ASPHALTIC CONCRETE PAVEMENT 0.20 GAL/SY GAL	COLDMILLING BIT. PVM'T 3" OR LESS FOR EXISTING UBAWS SY	COLDMILLING DEPTH TRANSITION BEGINNING AND ENDING SY	COLDMILLING MODIFIED TRANSITION 4' AT ISLANDS SY	COLDMILLING MODIFIED TRANSITION 4' - 10' GUTTER/ CROSSROADS SY	REMARKS
-0.040	0.241	1,483.68	13,792.62	676.79	1,134.4	55.9	2,893.9	14,469.41	291.16	1,033.65	1,586.60	BEGINNING OF ASPHALT ON INDIANA AVE
0.241	0.413	908.16	7,539.77	1,220.43	620.1	100.9	1,752.0	8,760.20		711.40	570.39	82ND TERRACE & 82ND STREET
0.413	0.481	359.04	1,915.66	797.87	157.6	66.0	542.7	2,713.53		319.15		BETWEEN 82ND AND 80TH STREET
0.481	0.626	765.60	7,437.03	1,222.08	611.7	101.0	1,731.8	8,659.11		678.29	10,399.07	80TH STREET
0.626	1.452	4,361.28	23,260.94	9,691.73	1,913.2	801.2	6,590.5	32,952.67		220.59		BETWEEN 80TH AND 72ND TERRACE
1.452	1.770	1,679.04	15,283.38	1,977.34	1,257.1	163.5	3,452.1	17,260.72	123.77	870.61	1,332.32	72ND TERRACE TO 72ND STREET
TOTAL		9,556.80	69,229.40	15,586.24	5,694.1	1,288.5	16,963.0	84,815.64	414.93	3,833.69	13,888.38	
PAY TOTAL					5,694.1	1,288.5	16,963	84,816		18,137		

CLASS B PARTIAL DEPTH PAVEMENT REPAIR					
LENGTH FT	WIDTH FT	DEPTH IN	FURNISH AND PLACE TONS	REMOVAL SY	REMARKS
ROUTE 1 SOUTHBOUND					
2	2	4	0.10	0.44	
50	2	4	2.45	11.11	
625	2	4	30.62	138.89	LONGITUDINAL JOINT
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
14	2	4	0.69	3.11	
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
15	2	4	0.73	3.33	
6	2	4	0.29	1.33	
10	2	4	0.49	2.22	80TH STREET - TURN LANE
3	2	4	0.15	0.67	
12	2	4	0.59	2.67	
3	2	4	0.15	0.67	
15	2	4	0.73	3.33	
3	2	4	0.15	0.67	
240	2	4	11.76	53.33	LONGITUDINAL JOINT BETWEEN LANES
8	2	4	0.39	1.78	
12	2	4	0.59	2.67	
3	2	4	0.15	0.67	
500	2	4	24.49	111.11	
6	2	4	0.29	1.33	
2	2	4	0.10	0.44	
3	2	4	0.15	0.67	
8	2	4	0.39	1.78	
6	2	4	0.29	1.33	
8	2	4	0.39	1.78	
6	2	4	0.29	1.33	
160	2	4	7.84	35.56	LONGITUDINAL JOINT BETWEEN LANES
3	2	4	0.15	0.67	
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
6	2	4	0.29	1.33	
2	2	4	0.10	0.44	
6	2	4	0.29	1.33	
2	2	4	0.10	0.44	
2	24	4	1.17	5.33	AT BRIDGE - NORTH END
2	24	4	1.17	5.33	AT BRIDGE - SOUTH END
6	2	4	0.29	1.33	
3	2	4	0.15	0.67	
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
8	2	4	0.39	1.78	
2	2	4	0.10	0.44	
4	2	4	0.20	0.89	
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
3	2	4	0.15	0.67	
2	24	4	1.17	5.33	
SUBTOTAL 1			91.23	413.75	

CLASS B PARTIAL DEPTH PAVEMENT REPAIR					
LENGTH FT	WIDTH FT	DEPTH IN	FURNISH AND PLACE TONS	REMOVAL SY	REMARKS
ROUTE 1 SOUTHBOUND					
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
6	2	4	0.29	1.33	
6	2	4	0.29	1.33	
6	2	4	0.29	1.33	
12	2	4	0.59	2.67	
12	2	4	0.59	2.67	
4	2	4	0.20	0.89	
14	2	4	0.69	3.11	
12	2	4	0.59	2.67	
3	2	4	0.15	0.67	
6	2	4	0.29	1.33	
10	2	4	0.49	2.22	
14	2	4	0.69	3.11	
12	2	4	0.59	2.67	
40	2	4	1.96	8.89	LONGITUDINAL JOINT BETWEEN LANES
12	2	4	0.59	2.67	
10	2	4	0.49	2.22	
3	2	4	0.15	0.67	
14	2	4	0.69	3.11	
3	2	4	0.15	0.67	
6	2	4	0.29	1.33	
12	2	4	0.59	2.67	
2	2	4	0.10	0.44	
200	2	4	9.80	44.44	LONGITUDINAL JOINT BETWEEN LANES
8	2	4	0.39	1.78	
2	2	4	0.10	0.44	
6	2	4	0.29	1.33	
3	2	4	0.15	0.67	
4	2	4	0.20	0.89	
4	2	4	0.20	0.89	
2	2	4	0.10	0.44	
200	2	4	9.80	44.44	LONGITUDINAL JOINT BETWEEN LANES
8	2	4	0.39	1.78	
2	2	4	0.10	0.44	
6	2	4	0.29	1.33	
3	2	4	0.15	0.67	
40	2	4	1.96	8.89	LONGITUDINAL JOINT BETWEEN LANES
6	2	4	0.29	1.33	
6	4	4	0.59	2.67	
18	2	4	0.88	4.00	
300	2	4	14.70	66.67	LONG. JOINT BETWEEN LANES AT 73RD TERR.
20	2	4	0.98	4.44	
10	2	4	0.49	2.22	
8	2	4	0.39	1.78	
6	2	4	0.29	1.33	
6	2	4	0.29	1.33	
24	2	4	1.18	5.33	
300	2	4	14.70	66.67	LONGITUDINAL JOINT BETWEEN LANES
24	2	4	1.18	5.33	
24	2	4	1.18	5.33	
24	2	4	1.18	5.33	
24	2	4	1.18	5.33	END OF 72ND STREET
SUBTOTAL 2			62.76	284.420	

MOBILIZATION  
1 LUMP SUM

SUMMARY OF QUANTITIES  
SHEET 1 OF 5

STATE OF MISSOURI  
CHRISTOPHER ALAN WEST  
NUMBER PE-2014017034  
PROFESSIONAL ENGINEER  
*Christopher Alan West*  
07/22/2024 12:38:42 PM  
CHRISTOPHER ALAN WEST - CIVIL  
MO-PE-2014017034

DATE PREPARED  
7/22/2024

ROUTE 1 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY CLAY  
JOB NO. JKU0046  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DESCRIPTION

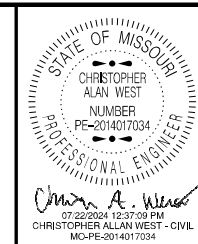
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

CLASS B PARTIAL DEPTH PAVEMENT REPAIR					
LENGTH	WIDTH	DEPTH	FURNISH AND PLACE	REMOVAL	REMARKS
FT	FT	IN	TONS	SY	
ROUTE 1 NORTHBOUND					
20	2	4	0.98	4.44	
20	2	4	0.98	4.44	LONGITUDINAL JOINT BETWEEN LANES
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
12	2	4	0.59	2.67	
4	2	4	0.20	0.89	
3	2	4	0.15	0.67	
12	2	4	0.59	2.67	
14	2	4	0.69	3.11	
4	2	4	0.20	0.89	
3	2	4	0.15	0.67	
12	2	4	0.59	2.67	
10	3	4	0.73	3.33	
6	2	4	0.29	1.33	
150	2	4	7.35	33.33	LONG. JOINT BETWEEN LANES AT 73RD TERR.
75	2	4	3.67	16.67	LONGITUDINAL JOINT BETWEEN CENTERLINE
3	2	4	0.15	0.67	
3	2	4	0.15	0.67	
20	2	4	0.98	4.44	LONGITUDINAL JOINT BETWEEN CENTERLINE
200	2	4	9.80	44.44	LONGITUDINAL JOINT BETWEEN CENTERLINE
20	3	4	1.47	6.67	
2	2	4	0.10	0.44	
6	2	4	0.29	1.33	
3	2	4	0.15	0.67	
4	2	4	0.20	0.89	
20	3	4	1.47	6.67	
75	2	4	3.67	16.67	LONGITUDINAL JOINT BETWEEN CENTERLINE
12	2	4	0.59	2.67	
12	2	4	0.59	2.67	
2	2	4	0.10	0.44	
160	2	4	7.84	35.56	LONGITUDINAL JOINT BETWEEN CENTERLINE
12	2	4	0.59	2.67	
2	2	4	0.10	0.44	
12	2	4	0.59	2.67	
3	2	4	0.15	0.67	
24	2	4	1.17	5.33	
26	2	4	1.27	5.78	
12	2	4	0.59	2.67	
50	2	4	2.45	11.11	
24	2	4	1.17	5.33	BRIDGE - SOUTH END
24	2	4	1.17	5.33	BRIDGE - NORTH END
12	2	4	0.59	2.67	
10	2	4	0.49	2.22	
12	2	4	0.59	2.67	
3	8	4	0.59	2.67	
160	2	4	7.84	35.56	LONGITUDINAL JOINT BETWEEN CENTERLINE
6	2	4	0.29	1.33	
SUBTOTAL 3			64.85	294.02	

CLASS B PARTIAL DEPTH PAVEMENT REPAIR					
LENGTH	WIDTH	DEPTH	FURNISH AND PLACE	REMOVAL	REMARKS
FT	FT	IN	TONS	SY	
ROUTE 1 NORTHBOUND					
3	4	4	0.29	1.33	
2	2	4	0.10	0.44	
4	2	4	0.20	0.89	
14	2	4	0.69	3.11	
12	2	4	0.59	2.67	
8	2	4	0.39	1.78	
12	2	4	0.59	2.67	
8	2	4	0.39	1.78	
12	2	4	0.59	2.67	
40	2	4	1.96	8.89	
2	2	4	0.10	0.44	
3	2	4	0.15	0.67	
3	2	4	0.15	0.67	
12	2	4	0.59	2.67	
6	2	4	0.29	1.33	80TH STREET
150	2	4	7.35	33.33	LONGITUDINAL JOINT BETWEEN CENTERLINE
6	2	4	0.29	1.33	
2	2	4	0.10	0.44	
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
3	2	4	0.15	0.67	
200	2	4	9.80	44.44	LONGITUDINAL JOINT AT SHOULDER
3	2	4	0.15	0.67	
2	2	4	0.10	0.44	
2	2	4	0.10	0.44	
60	2	4	2.94	13.33	LONGITUDINAL JOINT BETWEEN LANES
3	2	4	0.15	0.67	81ST STREET
2	2	4	0.10	0.44	
SUBTOTAL 4			28.55	129.32	
SUBTOTAL 3			64.85	294.02	
SUBTOTAL 2			62.76	284.42	
SUBTOTAL 1			91.23	413.75	
PAY TOTAL			247.4	1121.5	



DATE PREPARED  
**7/22/2024**

ROUTE **1** STATE **MO**  
DISTRICT **KC** SHEET NO. **3**

COUNTY  
**CLAY**

JOB NO.  
**JKU0046**

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

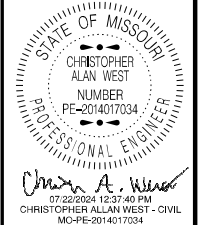
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



FULL DEPTH PAVEMENT REPAIR									
LENGTH	WIDTH	FURNISHING AND PLACING	SUBGRADE COMPACTION	TYPE 1 OR 5 AGG FOR BASE 4"	SAW CUT	DOWEL BARS EACH	DOWEL BASKETS EACH	TIE BARS EACH	REMARKS
FT	FT	SY	SY	SY	L.F.				
ROUTE 1 SOUTHBOUND									
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
8	24	21.3	2.1	2.1	88	44	0	0	
8	12	10.7	1.1	1.1	52	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	24	16.0	1.6	1.6	60	44	0	0	
30	12	40.0	4.0	4.0	132	20	1	10	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	24	16.0	1.6	1.6	60	44	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	24	16.0	1.6	1.6	60	44	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
ROUTE 1 NORTHBOUND									
17	24	45.3	4.5	4.5	130	44	0	5	
45	12	60.0	6.0	6.0	198	20	2	15	
6	12	8.0	0.8	0.8	36	20	0	0	
20	12	26.7	2.7	2.7	100	20	0	6	
15	12	20.0	2.0	2.0	78	20	0	5	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
15	12	20.0	2.0	2.0	78	20	0	5	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
10	12	13.3	1.3	1.3	56	20	0	0	
6	12	8.0	0.8	0.8	36	20	0	0	
6	24	16.0	1.6	1.6	60	44	0	0	
PAY TOTAL		561.3	56	56	2232	1004	3	46	



DATE PREPARED  
7/22/2024

ROUTE 1 STATE MO

DISTRICT KC SHEET NO. 3

COUNTY CLAY

JOB NO. JKU0046

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

PERMANENT PAVEMENT MARKING																
SB BEGIN LOG MILE	SB END LOG MILE	LENGTH  LF	THERMOPLASTIC							TYPE L						REMARKS
			WHITE SOLID 30" MIDBLOCKS EA	WHITE DOTTED 6" LF	WHITE SOLID 6" LF	WHITE SOLID 24" LF	YELLOW SOLID 24" LF	TURN ARROW  EA	STRAIGHT ARROW  EA	WHITE SOLID 6" LF	WHITE SOLID 6" LF	WHITE INTER. 6" LF	YELLOW SOLID 6" LF	YELLOW SOLID 4" LF	YELLOW SOLID 24" LF	
-0.040	0.009			56		24					180	95	426			WB MO 152 RAMPS AND INDIANA AVE NORTH
0.009	0.114	554				72	60	6			990	264	1,000			BETWEEN WB MO 152 RAMPS AND EB RAMPS
0.114	0.128				70	36									40	EB MO 152 RAMPS
0.128	0.185	301							1	330	1,004	179	610			BETWEEN EB MO 152 RAMPS AND 83RD STREET
0.185	0.212										370	61	149			83RD STREET
0.212	0.260	253									1,017	127			506	83RD STREET TO 82ND TERRACE
0.260	0.332	380									1,156	285			760	82ND TERRACE TO 82ND STREET
0.332	0.390	306									782	153	612			82ND STREET AND SOUTH
0.390	0.508	623									1,246	312	1,246			BETWEEN 82ND STREET AND 80TH STREET
0.508	0.561	280				36		3			1,050	140	560			TO 80TH STREET
0.561	0.591		32			36				*170						80TH STREET (CROSS WALKS 30" MIDBLOCKS)
0.591	1.577	5,206						1			10,696	2,603		10,412		FROM 80TH STREET
1.577	1.588		27			36		2								73RD TERRACE (CROSS WALKS 30" MIDBLOCKS)
1.588	1.744	824				36		3			2,093	412		1,648		73RD TERRACE TO 72ND STREET
1.744	1.756		29			36										72ND STREET (CROSS WALKS 30" MIDBLOCKS)
1.756	1.770	74	11			84		3	1		806	37		434		72ND STREET ALL APPROACHS (USE 30" MIDBLOCKS)
		TOTAL	99	56	70	396	60	18	2	500	21,390	4,668	4,603	12,494	1,306	
		PAY TOTAL	99	126		396	60	18	2	26,558			4,603	12,494	1,306	

\* PAINTED ISLAND IN SE QUADRANT OF 80TH STREET INTERSECTION

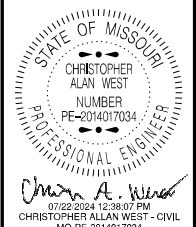
REMOVAL OF IMPROVEMENTS				
BEGIN LOG MILE	END LOG MILE	SIDE	DESCRIPTION	QUANTITY FT
SOUTHBOUND				
0.210	0.244	RT	GUARDRAIL	179.5
0.698	0.818	RT	GUARDRAIL	633.6
0.774	0.841	LT	GUARDRAIL	353.8
		PAY TOTAL	1 LUMP SUM	

GUARDRAIL REPLACEMENT								
BEGIN LOG MILE	END LOG MILE	SIDE	LENGTH	SHAPING SLOPES, CLASS III	MGS GUARDRAIL, 8 FT POSTS STD. SPACING LIN FT	(MASH) TYPE A CRASHWORTHY END TERMINAL  EACH	MGS ANCHOR ENDS  EACH	REMARKS
0.210	0.244	RT	179.5	0.75	125.0	1	1	83 RD ST TO 82 TERR
0.698	0.818	RT	633.6	1.5	537.5	2	0	BETWEEN 80TH ST AND BRIDGE
0.774	0.841	LT	353.8	1.5	262.5	2	0	BETWEEN 80TH ST AND BRIDGE
		PAY TOTAL	4	925	5	1		

OPTIONAL TRAFFIC SIGNAL DETECTORS				
SB LOG MILE	LOCATION	APPROACH	EACH	REMARKS
0.000	ROUTE 152 OFF RAMP	NB	1	
0.102	ROUTE 152 OFF RAMP	SB	1	
0.142	ROUTE 152 ON RAMP	NB	1	
1.582	73RD TERRACE	SB	1	
1.600	73RD TERRACE	NB	1	
	PAY TOTAL		5	

PERMANENT AGGREGATE EDGE TREATMENT				
SB LOG MILE	SB LOG MILE	LENGTH MI	TONS	REMARKS
0.142	1.042	0.900	221	BRIDGE EXCEPTION
1.122	1.638	0.516	126	
		PAY TOTAL	347	

SUMMARY OF QUANTITIES  
SHEET 4 OF 5



DATE PREPARED  
7/22/2024  
ROUTE 1 STATE MO  
DISTRICT KC SHEET NO. 3  
COUNTY CLAY  
JOB NO. JKU0046  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



Table with columns: SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM. Contains rows for various sign types like W01-1L, W03-1, W04-1L, etc.

Table with columns: DESCRIPTION, SIGN, SIZE, AREA, QTY, TOTAL, RELOC, SIGN NUM. Contains rows for descriptions like TURN (SYMBOL LEFT), CURVE (SYMBOL RIGHT), etc.

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, RELOC, SIGN NUM. Contains rows for descriptions like STOP, YIELD, TO ONCOMING TRAFFIC (PLAQUE), etc.

Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Contains rows for item numbers like 6122008, 6122009, 6122010, etc.

TOTAL CONSTRUCTION SIGNS 1224 and TOTAL RELOCATED SIGNS 0



DATE PREPARED 7/22/2024

ROUTE 1 STATE MO DISTRICT KC SHEET NO. 3

COUNTY CLAY JOB NO. JKU0046

CONTRACT ID. PROJECT NO. BRIDGE NO.

Table with columns: DESCRIPTION, DATE. Contains vertical text: MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION





CHRISTOPHER ALAN WEST  
NUMBER  
PE-2014017034  
PROFESSIONAL ENGINEER

DATE PREPARED  
7/22/2024

ROUTE 1 STATE MO

DISTRICT KC SHEET NO. 4

COUNTY CLAY

JOB NO. JKU0046

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

COMMISSION

PAVEMENT = 13,792.62 SY

SHOULDERS = 676.79 SY

COLDMILL UBAWS = 14,469.41 SY

COLDMILL MODIFIED = 2,911.41 SY

SHOULDER LINE FOR TREATMENT TYPE

4' DEPTH TRANSITION COLDMILL AREA  
(178.54 SY)

4' DEPTH TRANSITION COLDMILL AREA  
(403.30 SY)

4' - 10' DEPTH TRANSITION COLDMILL AREA  
(584.28 SY)

4' DEPTH TRANSITION  
COLDMILL AREA  
(274.76 SY)

10' DEPTH TRANSITION  
COLDMILL AREA  
(186.18 SY)

10' DEPTH TRANSITION COLDMILL AREA  
(191.94 SY)

4' DEPTH TRANSITION  
COLDMILL AREA  
(177.09 SY)

4' - 10' DEPTH TRANSITION COLDMILL AREA  
(624.2 SY)

10' COLDMILL DEPTH  
TRANSITION

37.5' DEPTH TRANSITION COLDMILL AREA  
(291.16 SY)

L.M. 0.210 TO 0.244:  
REMOVAL OF GUARDRAIL  
BUILD MGS GUARDRAIL, 8' POSTS, STD SPACING- 125 FEET  
(MASH) TYPE A CRASHWORTHY END TERMINAL - 1 EACH  
MGS ANCHOR ENDS - 1 EACH

L.M. = 0.241

L.M. = - 0.040

WB MO 152

EB MO 152

83 RD STREET





10' DEPTH TRANSITION COLDMILL AREA  
(122.67 SY)

L. M. = 0.241

4' DEPTH TRANSITION COLDMILL AREA  
(429.21 SY)

82 ND TERRACE

10' DEPTH TRANSITION COLDMILL AREA  
(85.54 SY)

PAVEMENT = 7,539.77 SY  
SHOULDERS = 1,220.43 SY  
COLDMILL = 8,760.20 SY



82 ND STREET

10' DEPTH TRANSITION COLDMILL AREA  
(171.95 SY)

10' DEPTH TRANSITION COLDMILL AREA  
(190.23 SY)

L. M. = 0.413

4' DEPTH TRANSITION COLDMILL AREA  
(282.19 SY)

L. M. = 0.481

10' DEPTH TRANSITION COLDMILL AREA  
(10,232.93 SY)

4' DEPTH TRANSITION COLDMILL AREA  
(357.46 SY)

MAPLEWOODS PKWY

10' DEPTH TRANSITION COLDMILL AREA  
(166.14 SY)

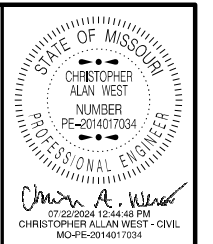
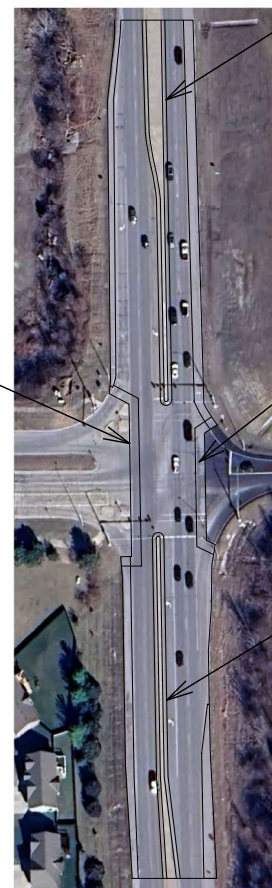
80 TH STREET

PAVEMENT = 7,437.03 SY  
SHOULDERS = 1,222.08 SY  
COLDMILL = 8,659.11 SY

4' DEPTH TRANSITION COLDMILL AREA  
(320.83 SY)

L. M. = 0.626

PLAN SHEET  
SHEET 2 OF 3



DATE PREPARED	7/22/2024		
ROUTE	1	STATE	MO
DISTRICT	KC	SHEET NO.	5
COUNTY	CLAY		
JOB NO.	JKU0046		
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



10' DEPTH TRANSITION COLDMILL AREA  
(231.25 SY)

4'-10' DEPTH TRANSITION COLDMILL AREA  
(147.94 SY)

73RD TERRACE

4' DEPTH TRANSITION COLDMILL AREA  
(714.10 SY)

4'-10' DEPTH TRANSITION COLDMILL AREA  
(147.94 SY)

4' DEPTH TRANSITION COLDMILL AREA  
(82.68 SY)

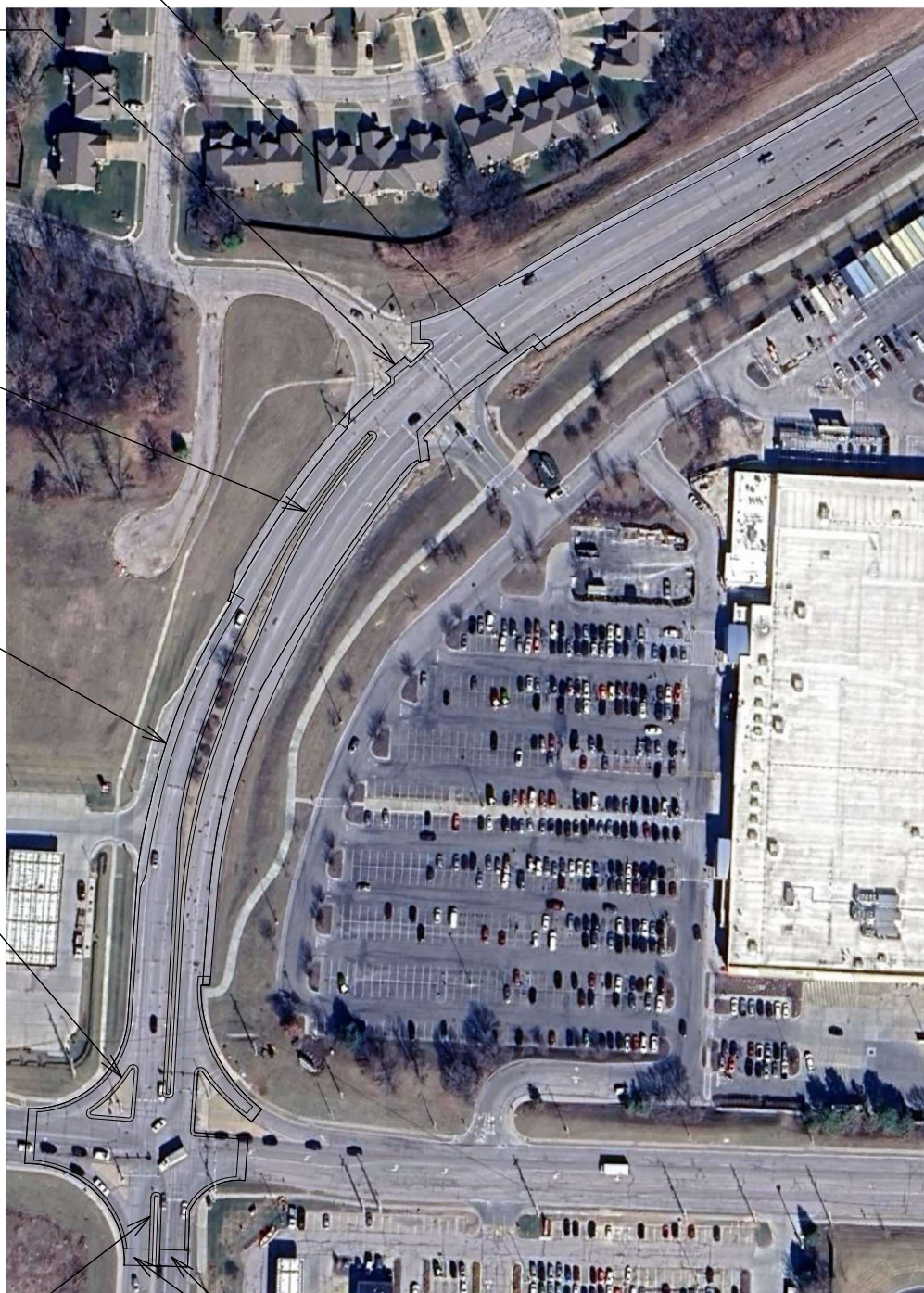
72 ND STREET

L.M. = 2.823

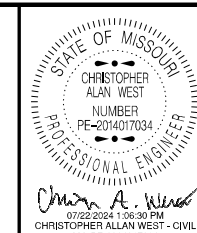
4' DEPTH TRANSITION COLDMILL AREA  
(73.83 SY)

18.75' DEPTH TRANSITION COLDMILL AREA  
(140.89 SY)

L.M. = 1.452



PAVEMENT = 15,283.38 SY  
SHOULDERS = 1977.34 SY  
COLDMILL = 17,260.72 SY  
COLDMILL MODIFIED = 2,326.70 SY



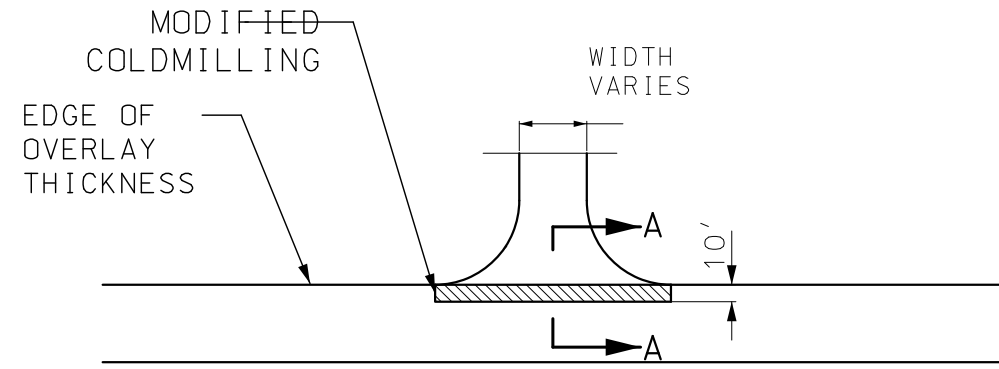
DATE PREPARED	
7/22/2024	
ROUTE	STATE
1	MO
DISTRICT	SHEET NO.
KC	6
COUNTY	
CLAY	
JOB NO.	
JKU0046	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

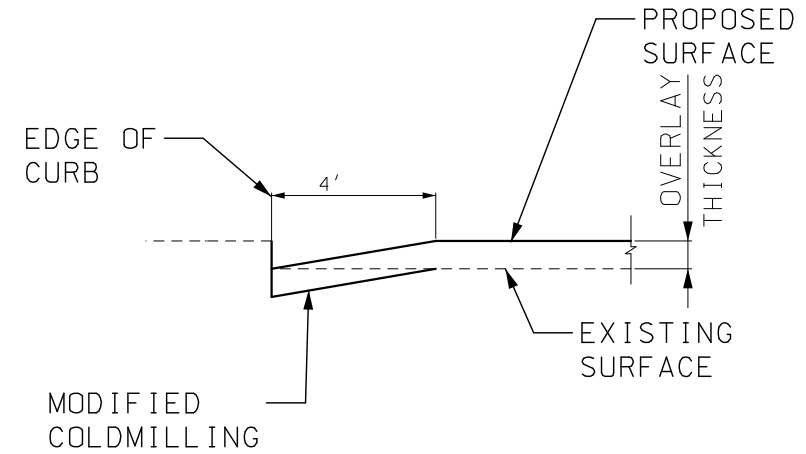
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



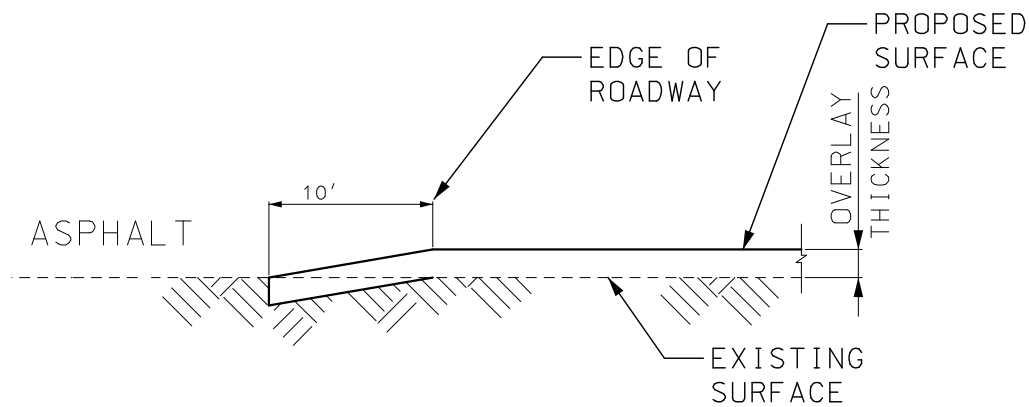
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



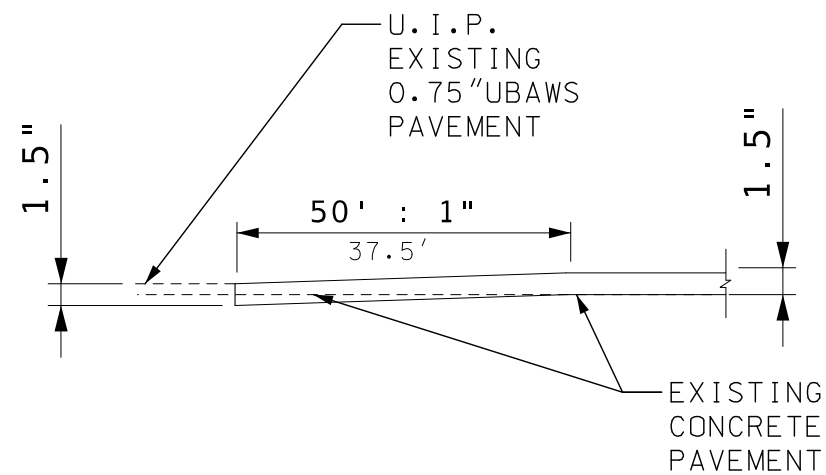
TYPICAL SIDE ROAD



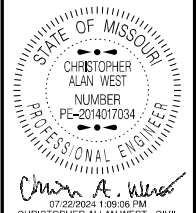
TYPICAL ROADWAY SECTION WITH CURB



SECTION A-A  
TYPICAL SIDE ROAD  
OR RAMP



TRAVELWAY DEPTH TRANSITIONS  
AT  
BEGINNING AND END OF PROJECT  
AND EXCEPTIONS



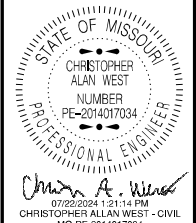
DATE PREPARED 7/22/2024	
ROUTE 1	STATE MO
DISTRICT KC	SHEET NO. 7
COUNTY CLAY	
JOB NO. JKU0046	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

# Traffic Control Legend, Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions



SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
<40	160'	168'	176'	BARRIER HEIGHT TRANSITION
≥40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (L)			MINIMUM SHOULDER TAPER LENGTH (T1) BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.

THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.

THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

(THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE)

### DETAILS NOTES:

- SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

**LANE TAPER LENGTH (L)**  
 $L = W \times P$  FOR 40 MPH OR MORE  
 $L = \frac{WP^2}{60}$  FOR 35 MPH OR LESS  
 L = TAPER LENGTH IN FEET  
 W = LATERAL SHIFT IN FEET  
 P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

**SHOULDER TAPER LENGTH (T1)**  
 ADJUST LENGTH ACCORDING TO SHOULDER WIDTH BASED ON TABLE RATE FOR 10' WIDE.

### TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- CHANNELIZER
- PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT.
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE BOARD
- TYPE III MOVEABLE BARRICADE

### LEGEND NOTE:

THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

### GENERAL NOTES:

- SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
- EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
- CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

### EPG TABLE 616.29 RECOMMENDED MAXIMUM SPEED REDUCTIONS

ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

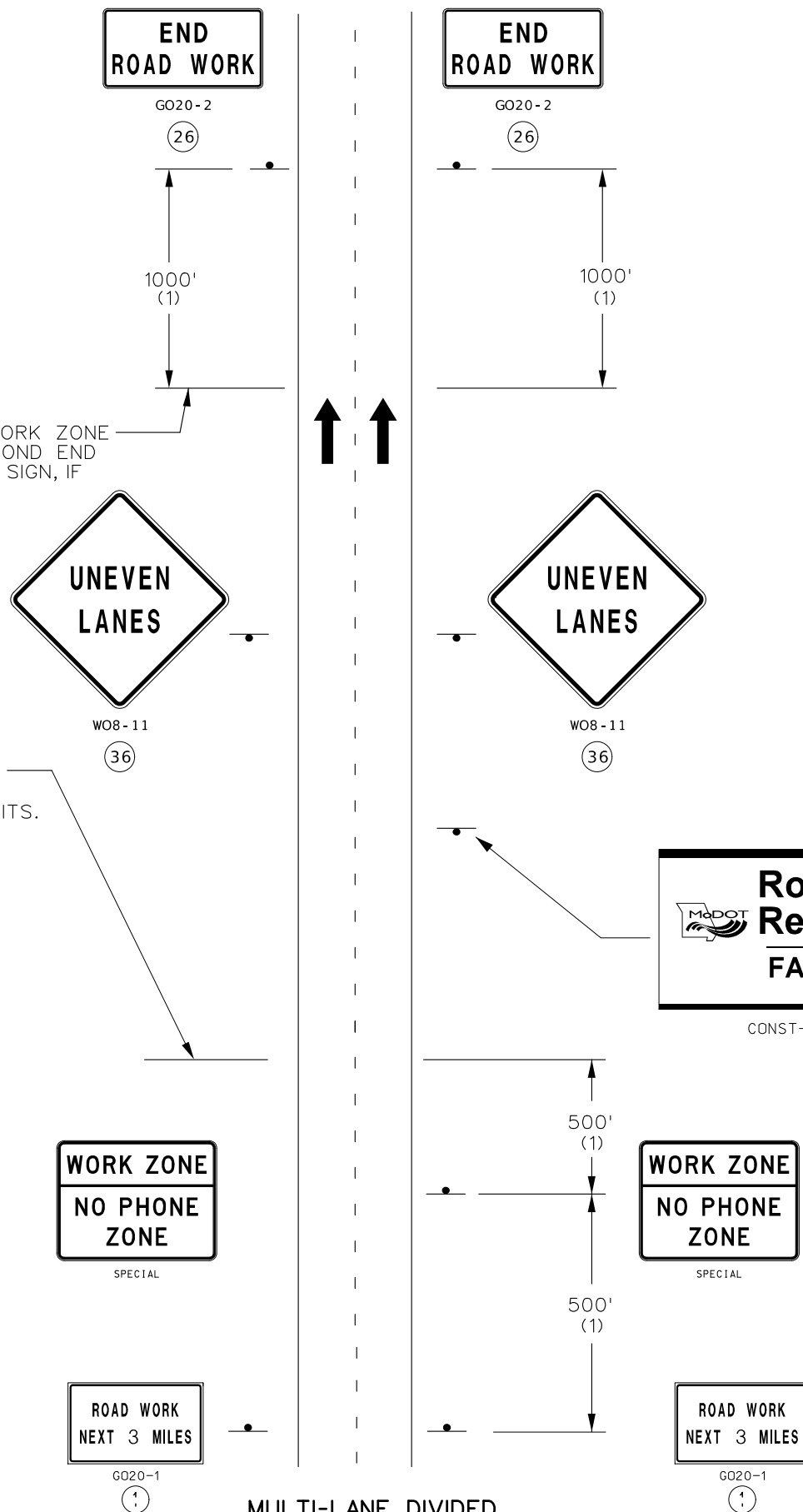
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)





END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA, IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

BEGINNING OF PROJECT LIMITS; OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.



MULTI-LANE DIVIDED  
BEGIN/END OF PROJECT SIGNING

NOTES:

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

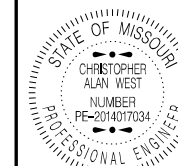
(2) SIGN CONST-5-96 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN GO20-1.

(3) THE "POINT OF PRESENCE" SIGN IS THE 96IN. X 48 IN. VERSION.

(4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

(5) SIGN W08-11 IS SPACED AT 1 MILE INTERVALS.

WHEN THE "ROAD WORK NEXT XX MILES" IS NOT USED THE "NO PHONE ZONE" SIGN IS TO BE PLACED A MINIMUM OF 500' BEFORE THE "ROAD WORK AHEAD" SIGN. REFER TO EPG 616.6.51.3 WORK ZONE NO PHONE ZONE SIGN



DATE PREPARED  
7/22/2024 1:21:48 PM  
CHRISTOPHER ALAN WEST - CIVIL  
MO-PE-2014017034

ROUTE 1 STATE MO  
DISTRICT KC SHEET NO. 9

COUNTY CLAY  
JOB NO. JKU0046  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

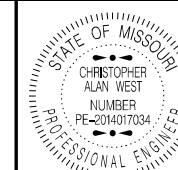
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

MoDOT



CHRISTOPHER ALAN WEST  
 NUMBER PE-2014017034  
 PROFESSIONAL ENGINEER  
 07/22/2024 1:29:42 PM  
 CHRISTOPHER ALAN WEST - CIVIL  
 MO-PE-2014017034

DATE PREPARED  
 7/22/2024

ROUTE 1 STATE MO  
 DISTRICT KC SHEET NO. 10

COUNTY CLAY  
 JOB NO. JKU0046  
 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

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DATE

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DATE

DATE

NOTES:

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(2). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE IS CLOSED, A SEPERATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

SPEED	SPACING LENGTH (ft.)
REGULATORY (MPH)	SPACING (T1)
0-35	245
40-45	540
50-55	660
60-70	840

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

PAVEMENT MARKING EQUIPMENT

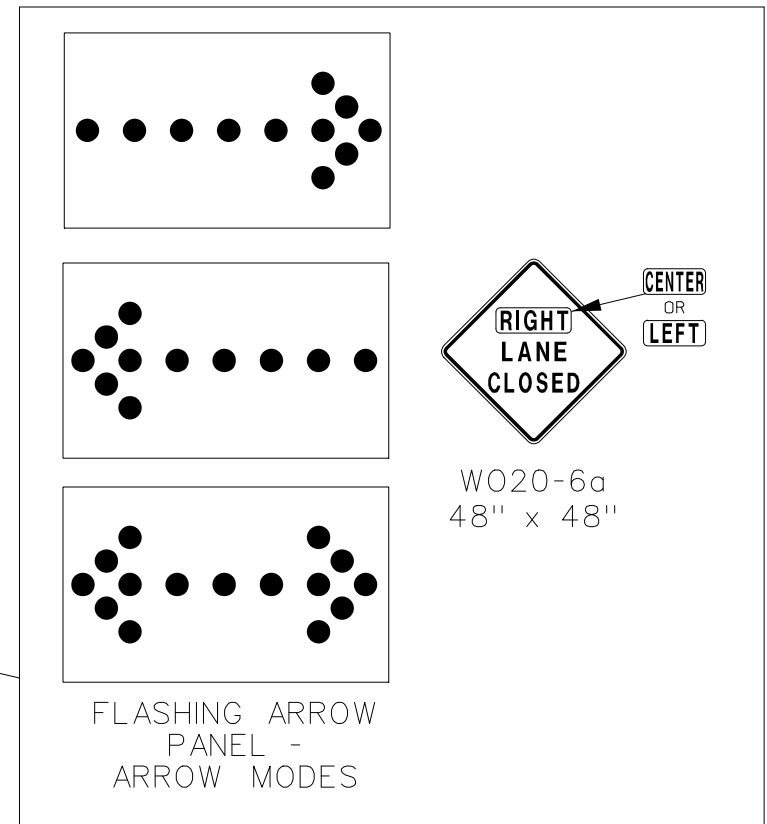
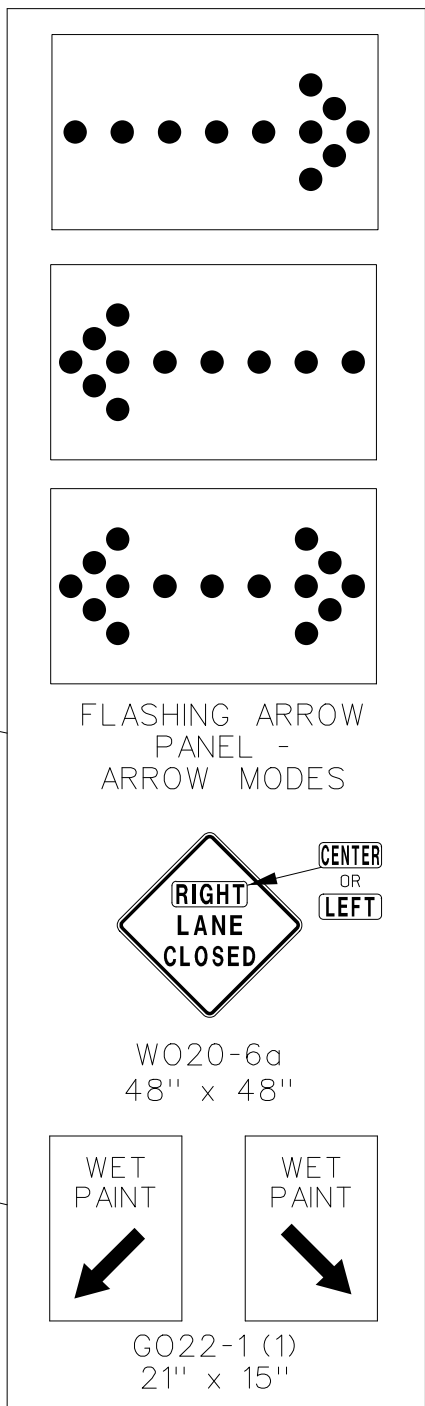
ADVANCE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR.

ADVANCE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR. (2)

ADVANCE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR.

(TMA OPTIONAL)

MULTI-LANE DIVIDED HIGHWAY  
 MOVING OPERATION ON HIGHWAY  
 OPEN TO TRAFFIC







W020-1  
2



W020-4  
7

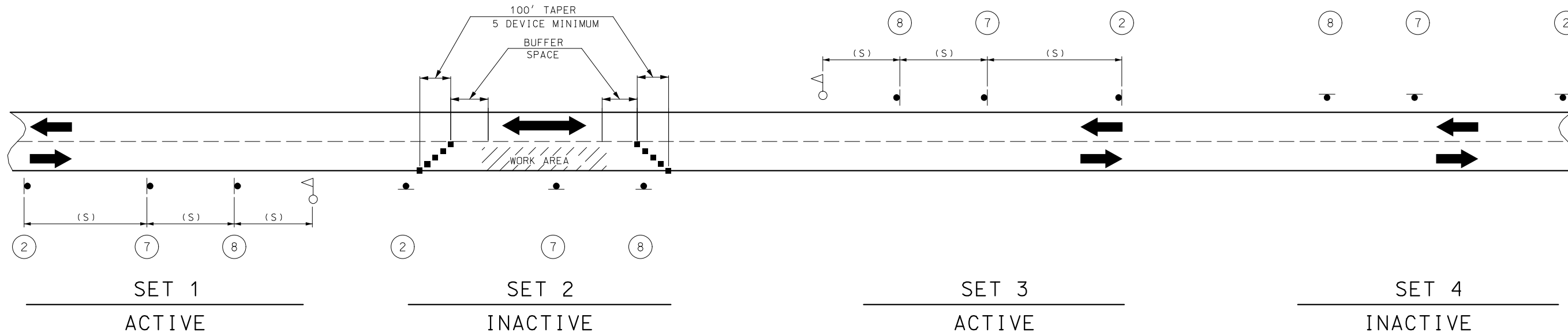


W020-7a  
8



G020-4  
53

SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC) SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

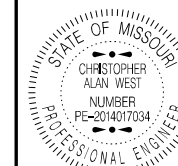
WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

■ - CHANNELIZERS

○ - FLAGGER

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.



CHRISTOPHER ALAN WEST  
NUMBER  
PE-2014017034  
PROFESSIONAL ENGINEER

DATE PREPARED  
7/22/2024

ROUTE  
1

STATE  
MO

DISTRICT  
KC

SHEET NO.  
11

COUNTY  
CLAY

JOB NO.  
JKU0046

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

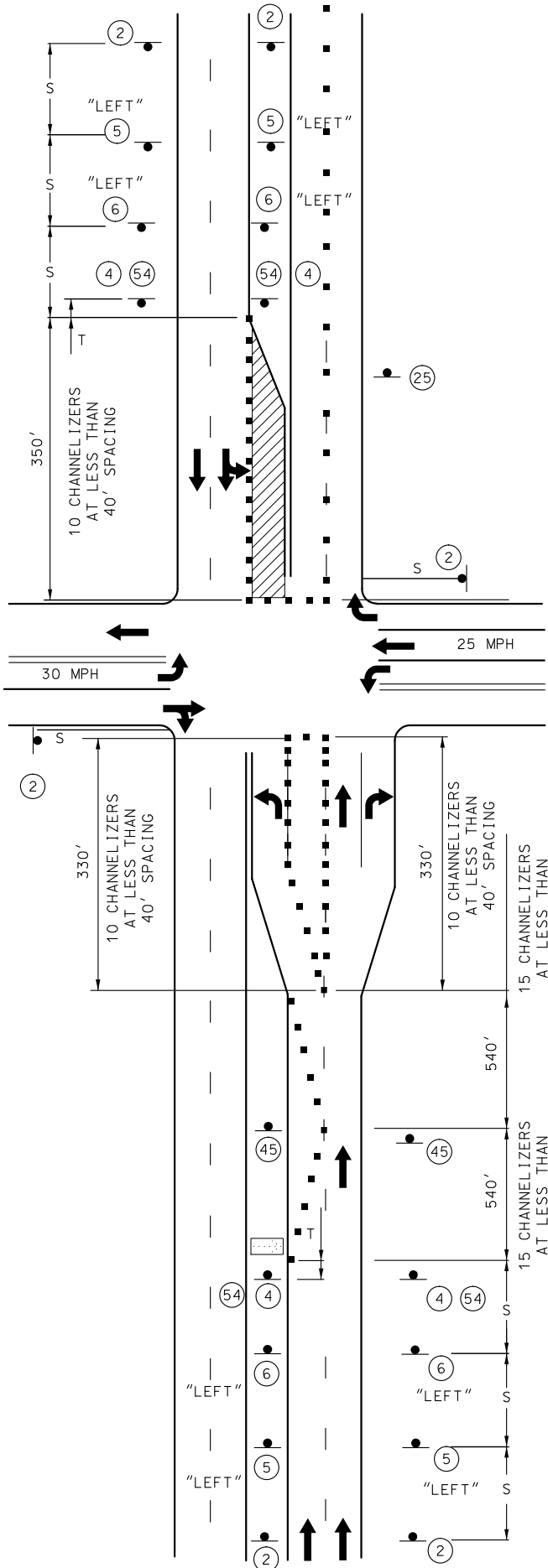
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

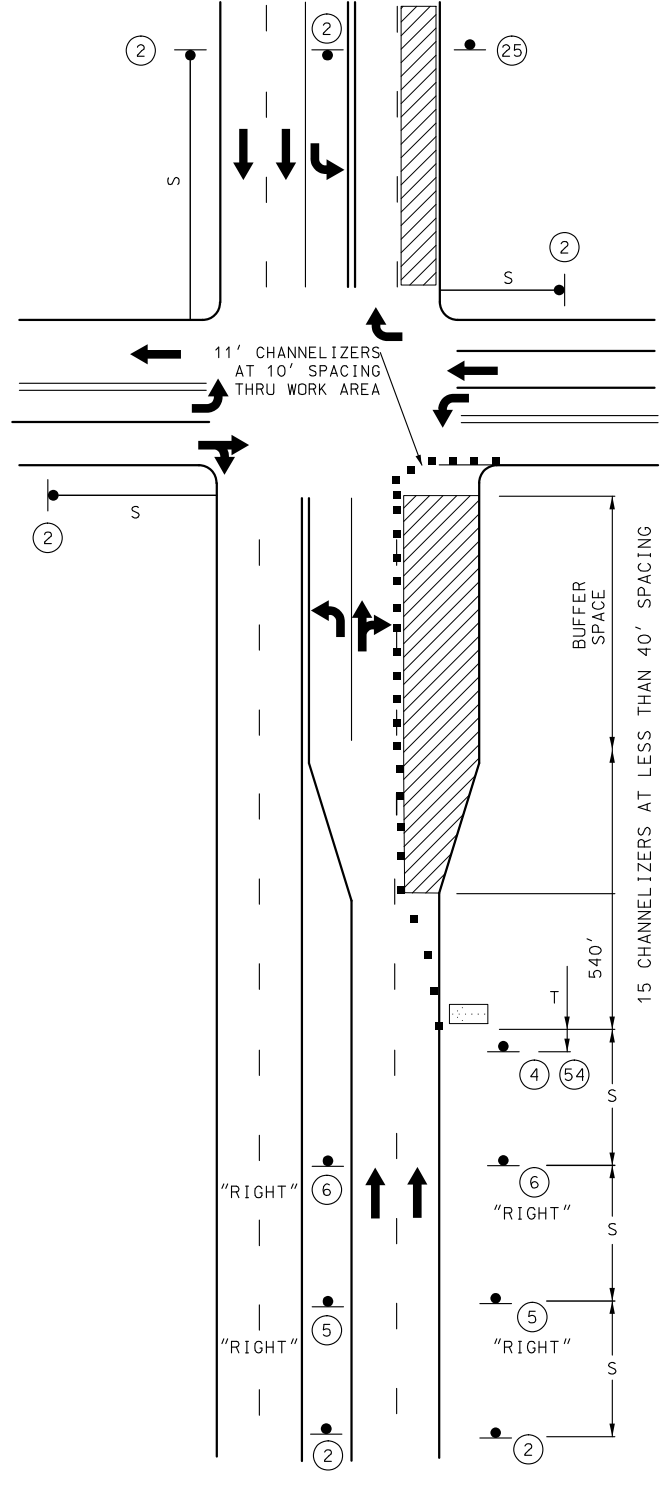
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)







INSIDE LANE CLOSURE AT INTERSECTION



RIGHT TWO LANES CLOSURE AT INTERSECTION



W020-1  
(2)



R2-1  
(4)



CENTER LANE OR LEFT LANE

W020-5  
(5)



R3-7L  
(45)



CENTER OR LEFT

W020-6a  
(6)



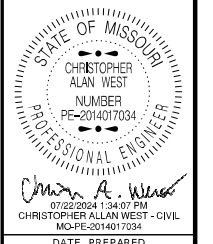
(NORMAL SPEED) R2-1  
(25)



G020-5aP  
(54)

NOTE:  
ALL SIDE ROADS SHALL AT LEAST HAVE THIS SIGN

- (1) FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASE, TIMING INDICATIONS OR DETECTOR SETTINGS.
- (2) REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.
- (3) PAVEMENT MARKINGS AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (4) TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURE.
- (5) FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKINGS, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF THE SPACING SHOWN ON SHEET 1 OF THE TRAFFIC CONTROL SHEETS.



DATE PREPARED  
7/22/2024  
ROUTE 1 STATE MO  
DISTRICT KC SHEET NO. 13  
COUNTY CLAY  
JOB NO. JKU0046  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
MoDOT  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



Christopher Alan West  
Professional Engineer  
07/22/2024 2:00:50 PM  
CHRISTOPHER ALAN WEST - CIVIL  
MO-PE-2014017034

DATE PREPARED  
**7/22/2024**

ROUTE STATE  
**1 MO**

DISTRICT SHEET NO.  
**KC 14**

COUNTY  
**CLAY**

JOB NO.  
**JKU0046**

CONTRACT ID.

PROJECT NO.

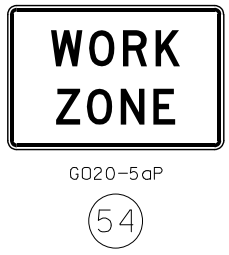
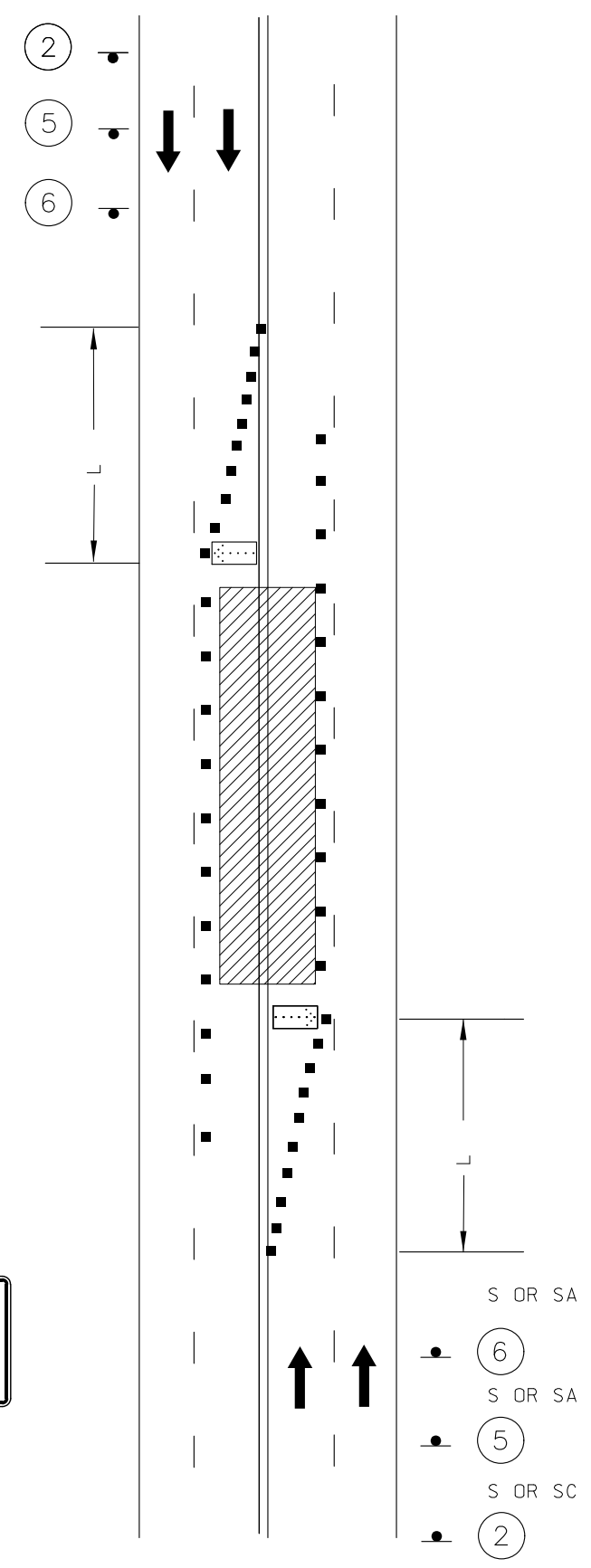
BRIDGE NO.

DESCRIPTION	DATE

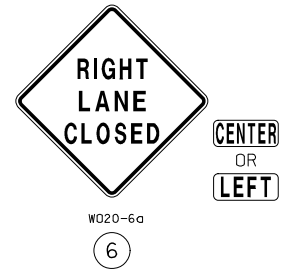
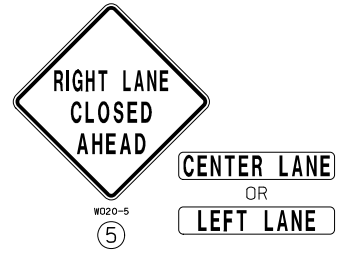
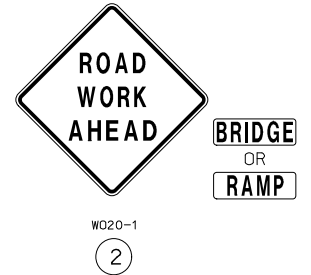
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

**MoDOT**

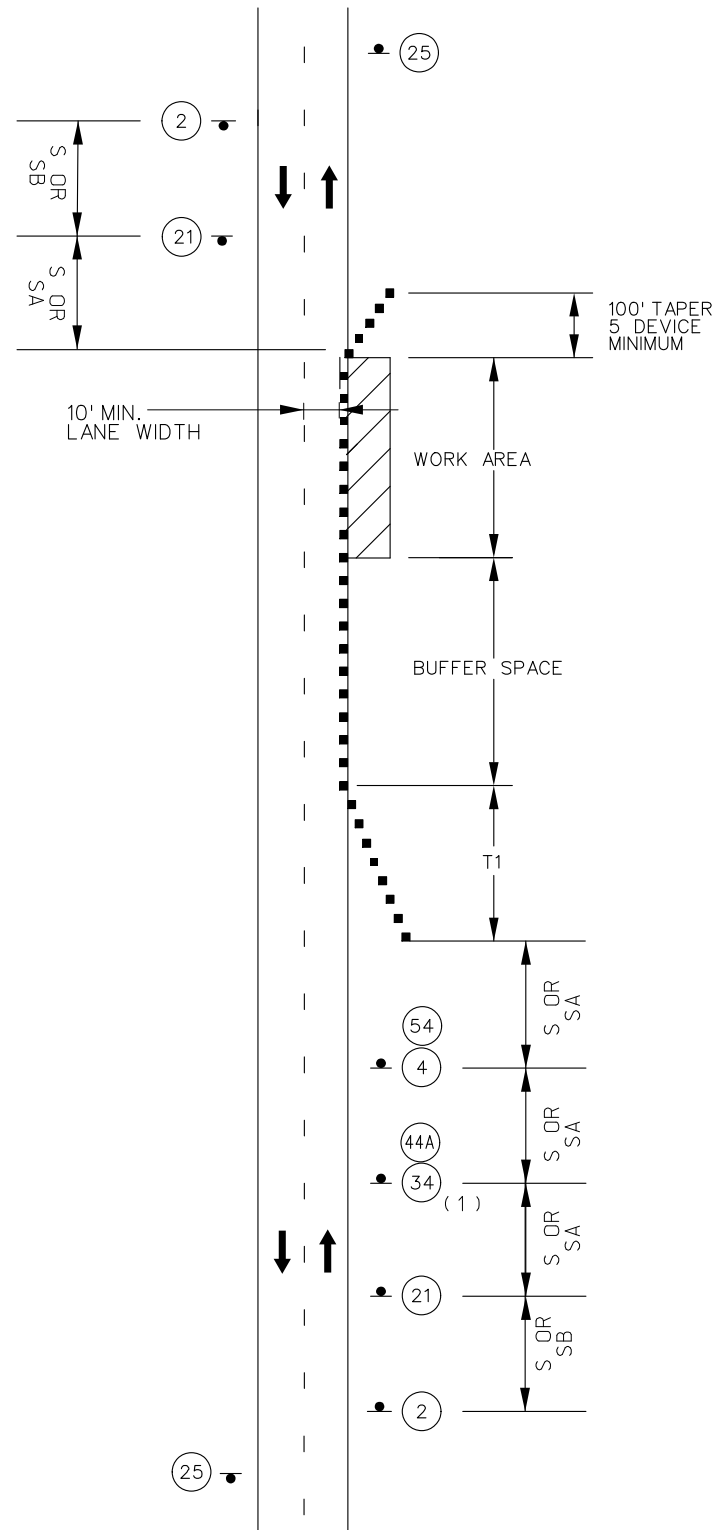
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



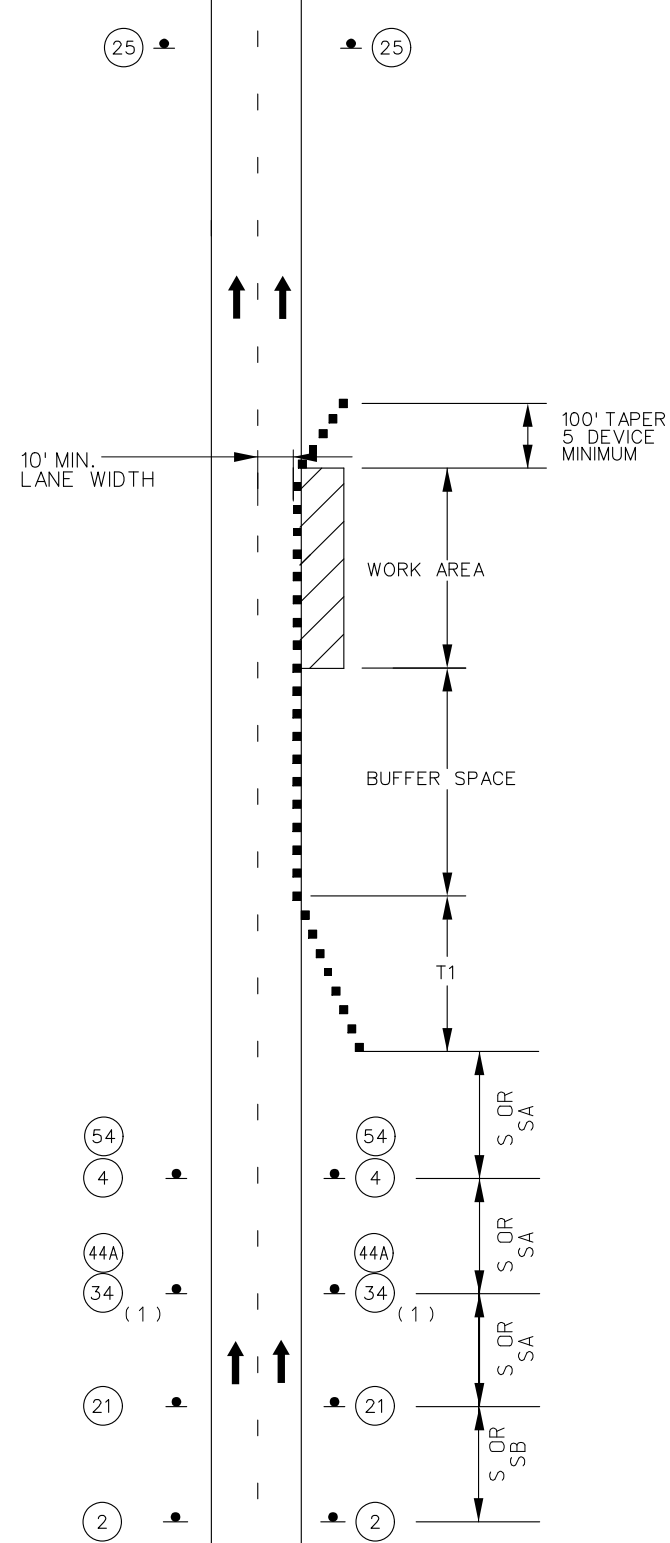
- NOTES:
- (1) SIGN (5) MAY BE OMITTED IN URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES, AND THE POSTED SPEED LIMIT PRIOR TO CONSTRUCTION IS 45 MPH OR LESS.
  - (2) SIGN (44) IS ONLY REQUIRED WHERE FULL LENGTH SHIFTING TAPERS CANNOT BE PROVIDED.
  - (3) SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
  - (4) SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
  - (5) REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
  - (6) TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.
  - (7) FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED IN THE SHIFTING TAPERS AND WHERE TRAFFIC IS GUIDED ACROSS OTHER CONFLICTING PAVEMENT MARKING, ALL OTHER SPACINGS ARE ONE-HALF OF THE TYPICAL SPACING.



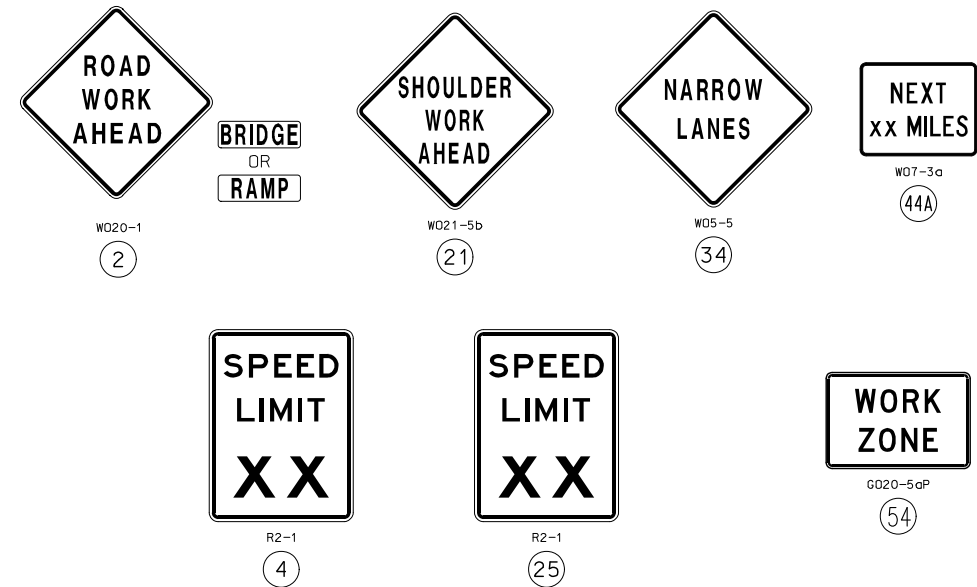
LANE CLOSURE ON MULTI-LANE UNDIVIDED HIGHWAY



TWO LANE UNDIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT

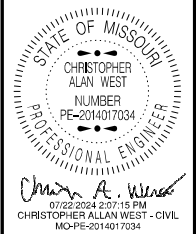


MULTI-LANE DIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT



NOTES:

- SEE TRAFFIC CONTROL SHEET 1 FOR WORKZONE SPEED LIMIT GUIDELINES.
- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.
- THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
- VEHICLE- MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBTURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- (1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.



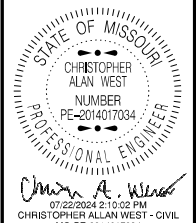
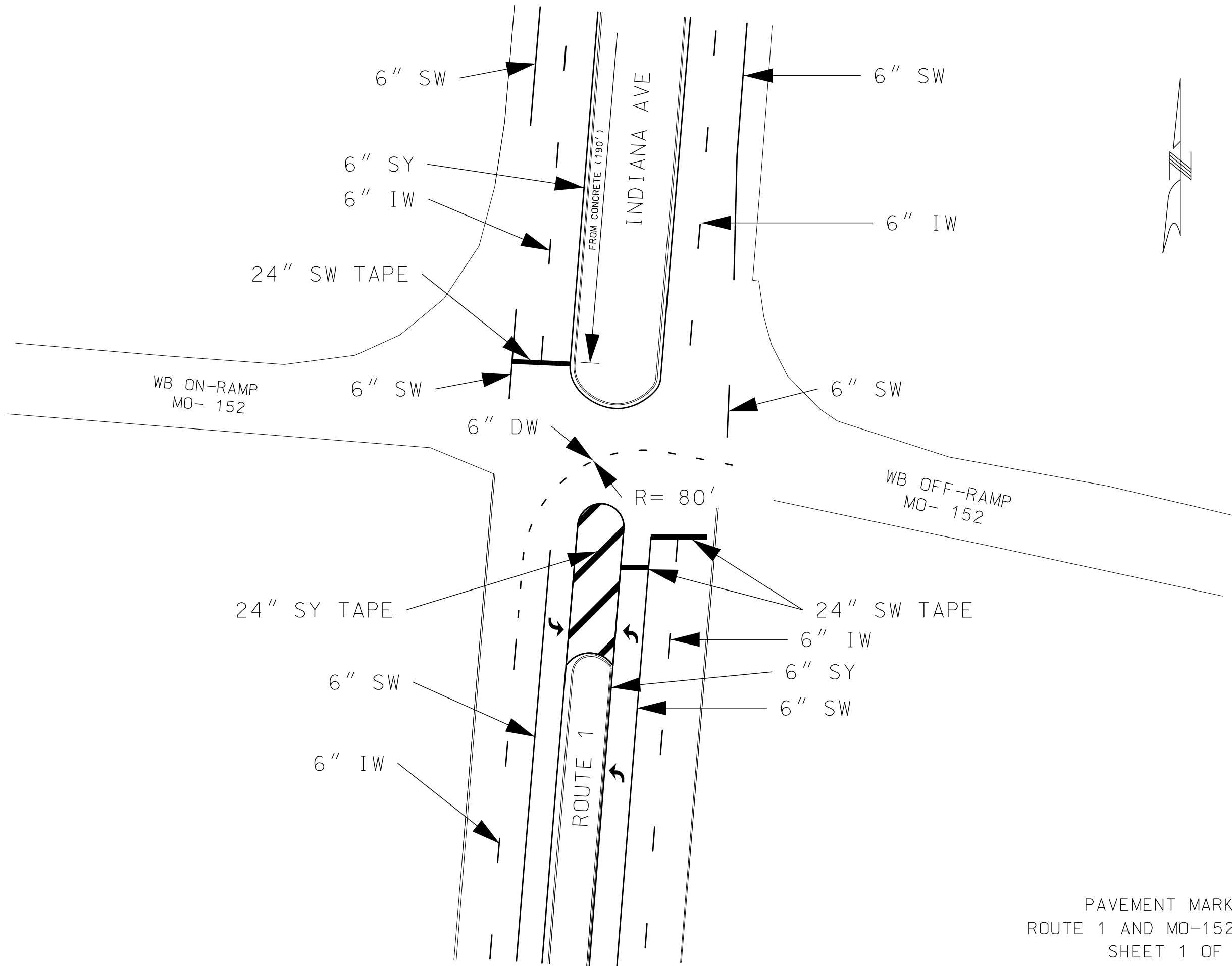
DATE PREPARED  
7/22/2024  
ROUTE 1 STATE MO  
DISTRICT KC SHEET NO. 15  
COUNTY CLAY  
JOB NO. J4U0046  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)







DATE PREPARED  
7/22/2024

ROUTE 1	STATE MO
DISTRICT KC	SHEET NO. 16
COUNTY CLAY	
JOB NO. JKU0046	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

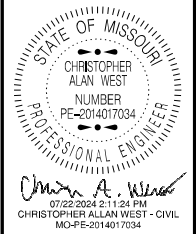
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

PAVEMENT MARKING  
ROUTE 1 AND MO-152 (NORTH)  
SHEET 1 OF 3

\* INCLUDED IN SUMMARY OF QUANTITIES BETWEEN RAMP & 83RD ST.



DATE PREPARED	
7/22/2024	
ROUTE	STATE
1	MO
DISTRICT	SHEET NO.
KC	17
COUNTY	
CLAY	
JOB NO.	
JKU0046	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

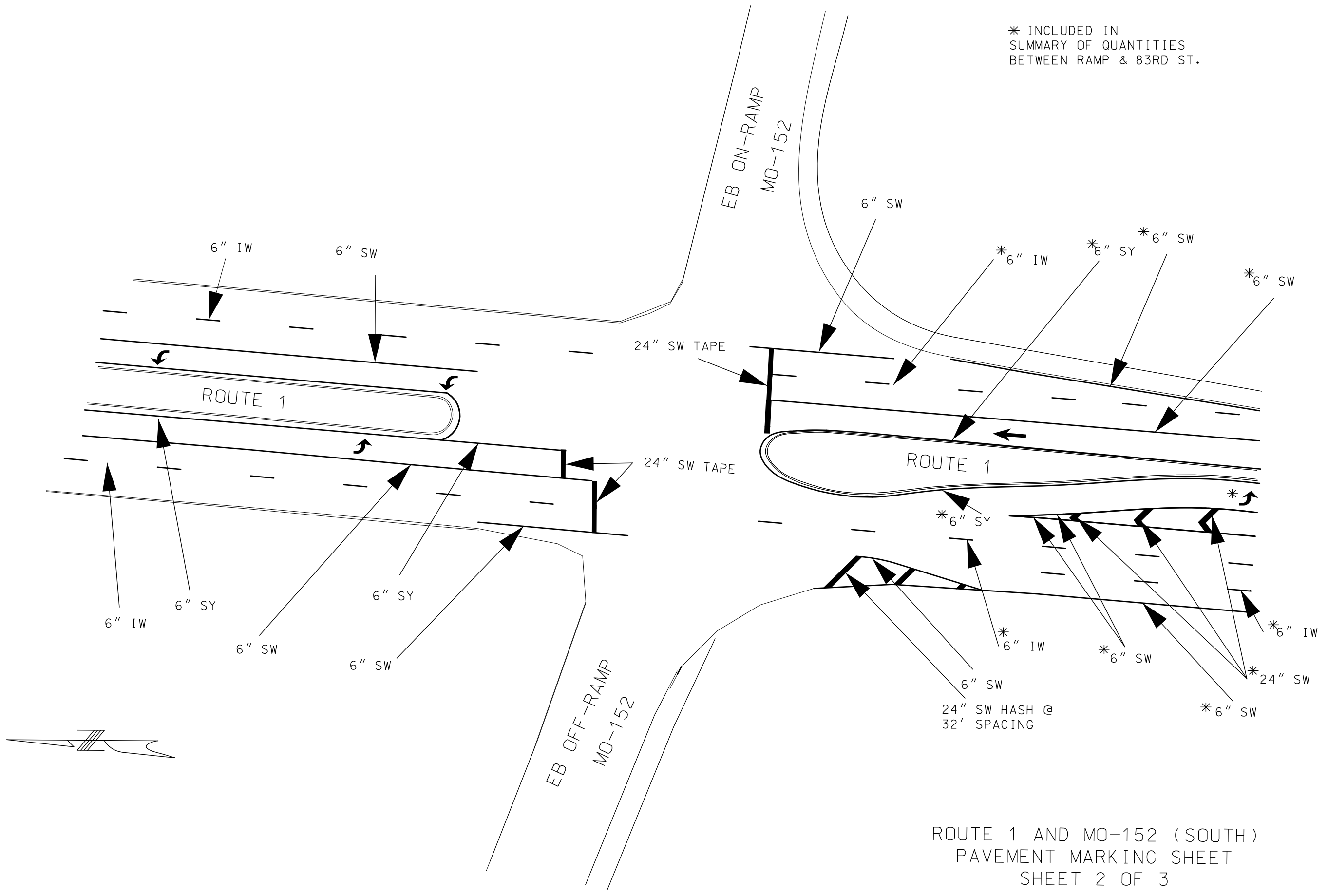
DESCRIPTION

DATE

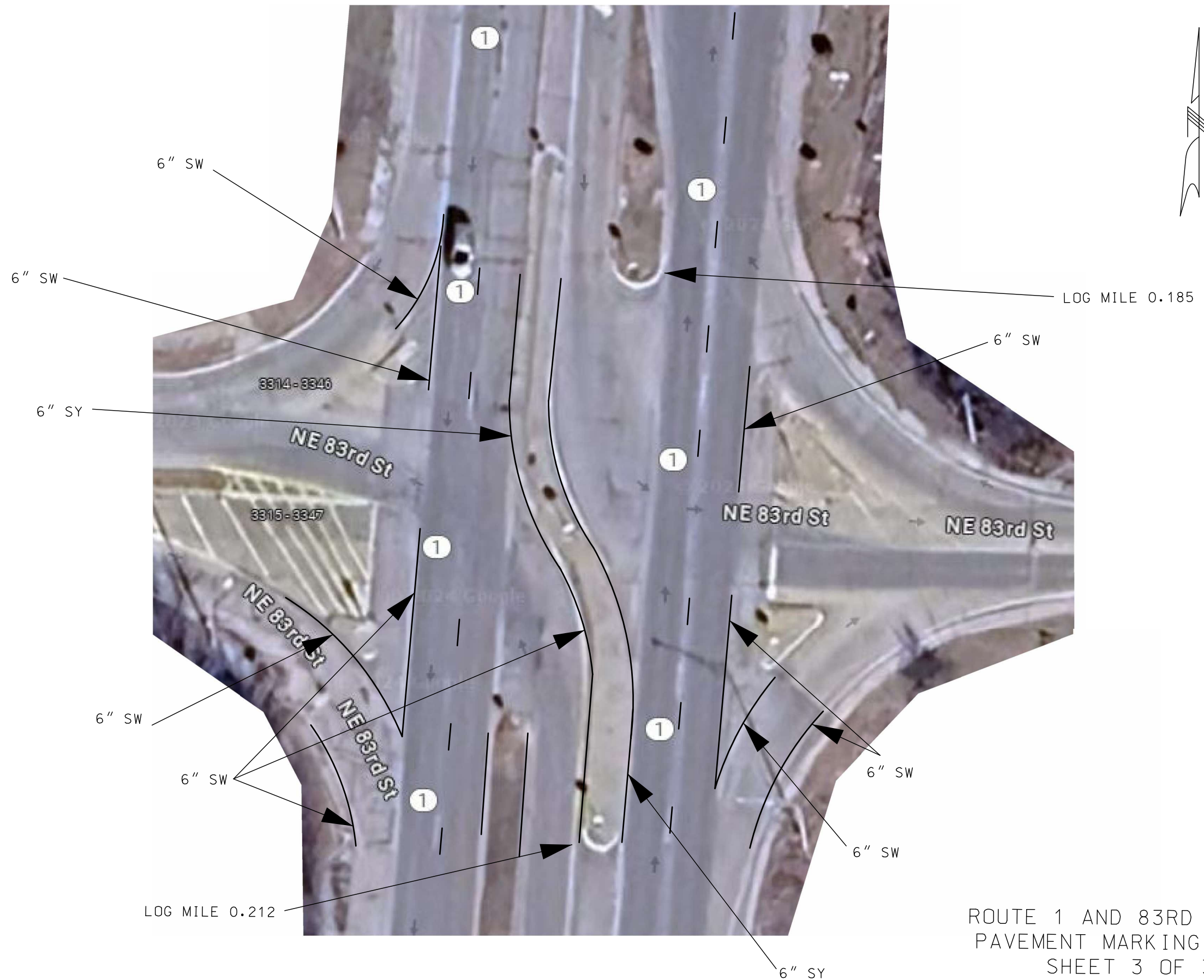
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



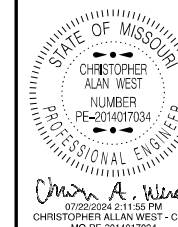
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



ROUTE 1 AND MO-152 (SOUTH)  
PAVEMENT MARKING SHEET  
SHEET 2 OF 3



ROUTE 1 AND 83RD STREET  
PAVEMENT MARKING SHEET  
SHEET 3 OF 3



DATE PREPARED  
7/22/2024

ROUTE 1	STATE MO
------------	-------------

DISTRICT KC	SHEET NO. 18
----------------	-----------------


COUNTY  
CLAY  
JOB NO.  
JKU0046  
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**DESIGN DESIGNATION**

A.A.D.T. - 2021 = 67,000  
 A.A.D.T. - 2031 = 76,000  
 D.H.V. = 7,500  
 T = 4%  
 V = 65 M.P.H.  
 D = 50%

FUNCTIONAL CLASSIFICATION- FREEWAY

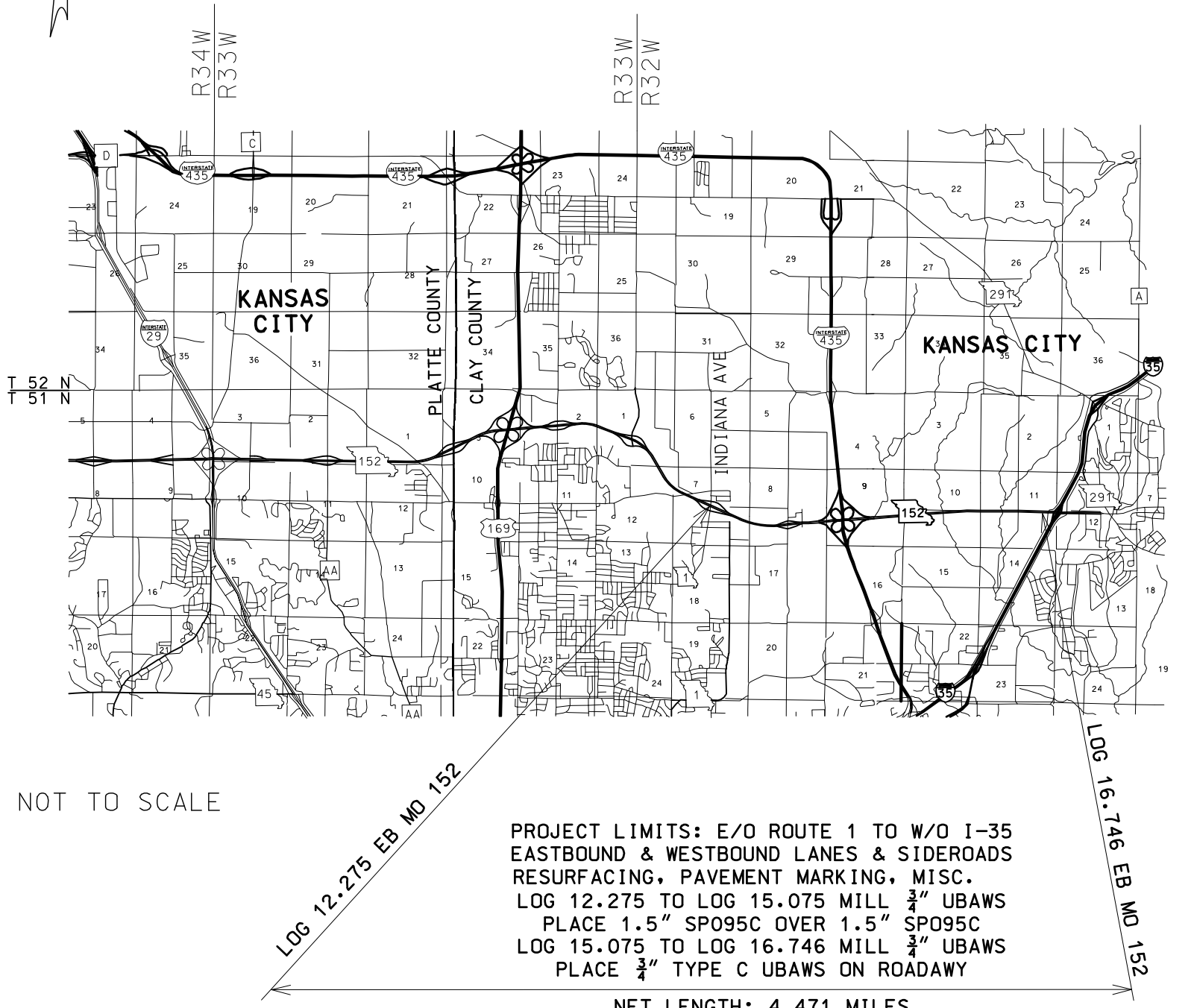
NO RIGHT OF WAY WILL BE ACQUIRED FOR THIS PROJECT

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED

### STATE HIGHWAY

### CLAY COUNTY



NOT TO SCALE

LOG 12.275 EB MD 152

PROJECT LIMITS: E/O ROUTE 1 TO W/O I-35  
 EASTBOUND & WESTBOUND LANES & SIDEROADS  
 RESURFACING, PAVEMENT MARKING, MISC.  
 LOG 12.275 TO LOG 15.075 MILL  $\frac{3}{4}$ " UBAWS  
 PLACE 1.5" SP095C OVER 1.5" SP095C  
 LOG 15.075 TO LOG 16.746 MILL  $\frac{3}{4}$ " UBAWS  
 PLACE  $\frac{3}{4}$ " TYPE C UBAWS ON ROADWAY

NET LENGTH: 4.471 MILES

LOG 16.746 EB MD 152

**CONVENTIONAL SYMBOLS**  
 (USED IN PLANS)

EXISTING	NEW
BUILDINGS AND STRUCTURES	
GUARD RAIL	
GUARD CABLE	
CONCRETE RIGHT-OF-WAY MARKER	
STEEL RIGHT-OF-WAY MARKER	
LOCATION SURVEY MARKER	
UTILITIES	
FIBER OPTICS	-FO- -FO-
OVERHEAD CABLE TV	-OTV- -OTV-
UNDERGROUND CABLE TV	-UTV- -UTV-
OVERHEAD TELEPHONE	-OT- -OT-
UNDERGROUND TELEPHONE	-UT- -UT-
OVERHEAD POWER	-OE- -OE-
UNDERGROUND POWER	-UE- -UE-
SANITARY SEWER	-S- -S-
STORM SEWER	-SS- -SS-
GAS	-G- -G-
WATER	-W- -W-

MANHOLE	SAN
FIRE HYDRANT	HYD
WATER VALVE	WF
WATER METER	WM
DROP INLET	
DITCH BLOCK	
GROUND MOUNTED SIGN	SIGN
LIGHT POLE	
H-FRAME POWER POLE	
TELEPHONE PEDESTAL	PED
FENCE	
CHAIN LINK	-V-
WOVEN WIRE	-X-
GATE POST	
BENCHMARK	BM

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (11 SHEETS)---	2
QUANTITIES (QU) (17 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-13
TRAFFIC CONTROL SHEETS (TC)-----	14-29



DATE PREPARED: 7/18/2024  
 ROUTE: 152 STATE: MO  
 DISTRICT: KC SHEET NO.: 1  
 COUNTY: CLAY  
 JOB NO.: JKU0054  
 CONTRACT ID.

PROJECT NO. \_\_\_\_\_  
 BRIDGE NO. \_\_\_\_\_

DATE	DESCRIPTION

**LENGTH OF PROJECT**

BEGINNING OF PROJECT	LOG MILE 12.275 EB
END OF PROJECT	LOG MILE 16.746 EB
APPARENT LENGTH	23,606.88 FEET
EQUATIONS AND EXCEPTIONS:	
BR. A3111 EBL ROUTE 1	193.00 FEET
BR. A5491 WBL ROUTE 1	193.00 FEET
BR. A3113 EBL SHOAL CREEK	234.00 FEET
BR. A3113 WBL SHOAL CREEK	234.00 FEET

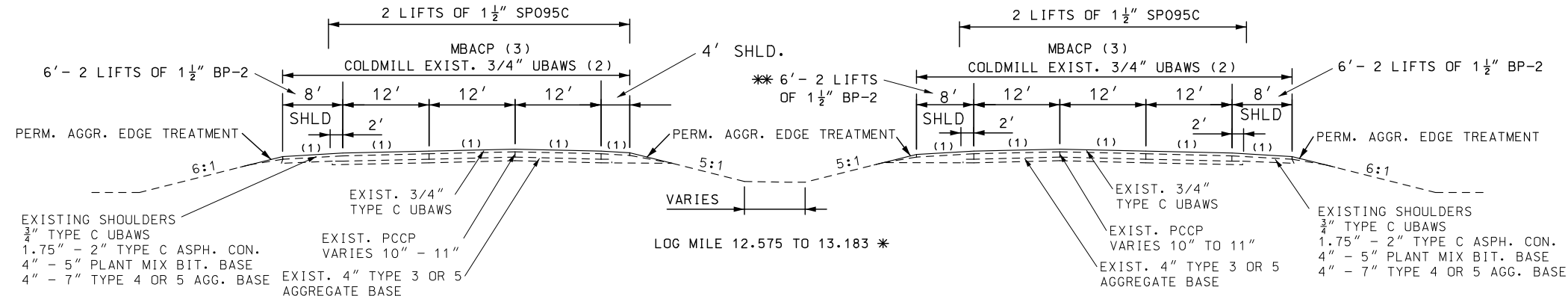
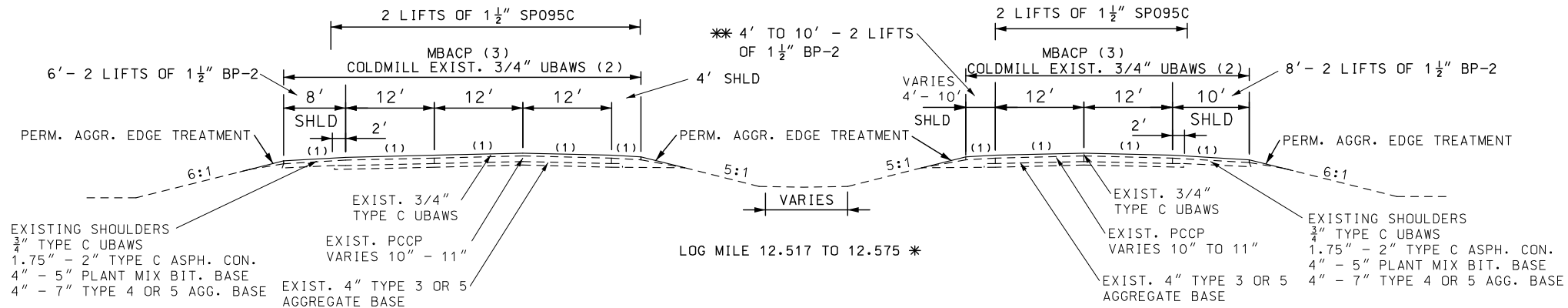
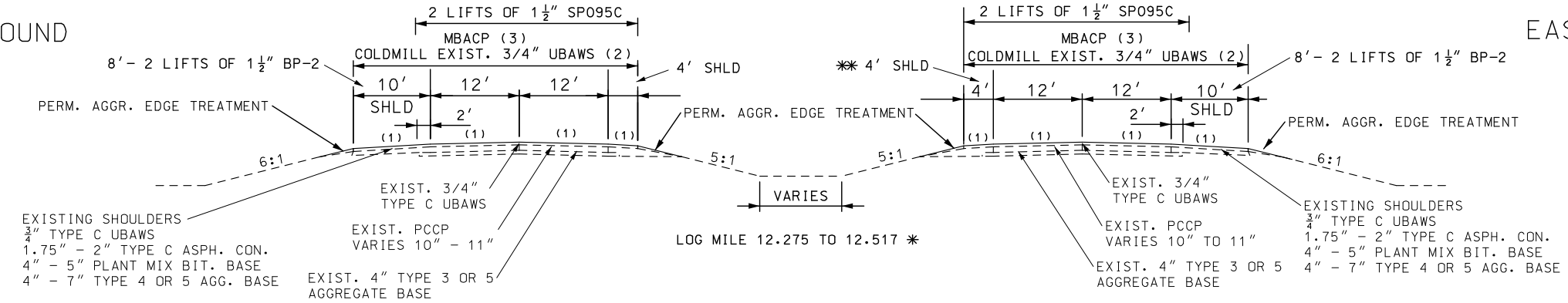
TOTAL CORRECTIONS EBL	427.00 FEET
TOTAL CORRECTIONS WBL	427.00 FEET
NET LENGTH OF PROJECT EBL	23,179.88 FEET
NET LENGTH OF PROJECT WBL	23,179.88 FEET
STATE LENGTH EBL	4.390 MILES
STATE LENGTH WBL	4.390 MILES

FOR INFORMATION ONLY  
 ESTIMATED DISTURBED ACRES 0 ACRES

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

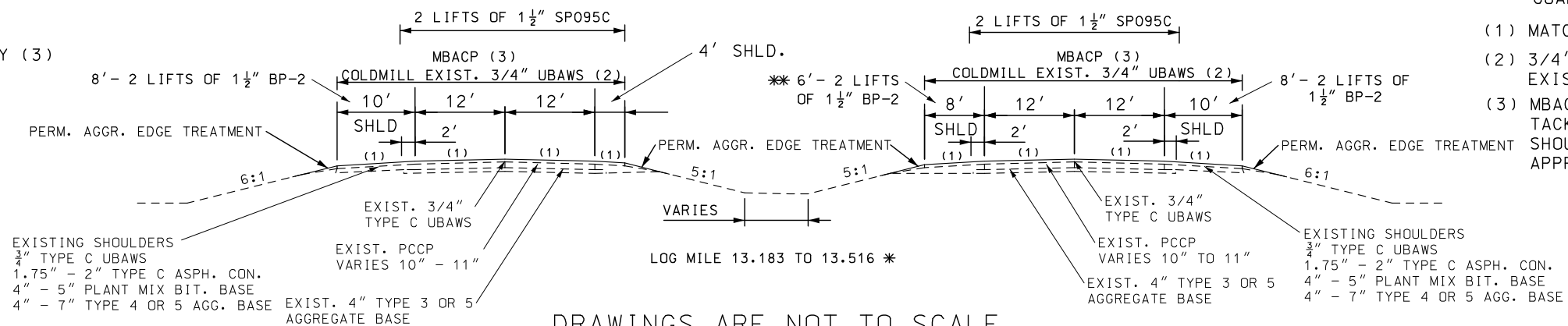
WESTBOUND

EASTBOUND



ESTIMATE FACTORS  
FOR INFORMATION ONLY

SP095C PG76-22 = 1.978 TON/CY  
BP-2 PG64-22 = 1.998 TON/CY  
MODIFIED BONDED  
ASPHALTIC CONCRETE  
PAVEMENT  
(MBACP) = 0.20 GAL/SY (3)

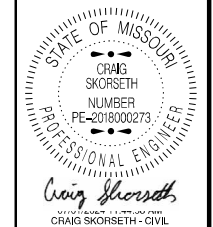


\* EASTBOUND LOG MILES USED  
\*\* INCLUDES VEGETATIVE BARRIER AREA  
SEE SHEET 10 OF 11 FOR MEDIAN  
GUARDCABLE DETAIL

- (1) MATCH EXISTING SLOPE
- (2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE
- (3) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.

DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET  
SHEET 1 OF 11



DATE PREPARED  
6/26/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 2

COUNTY  
CLAY

JOB NO.  
JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

**MoDOT**

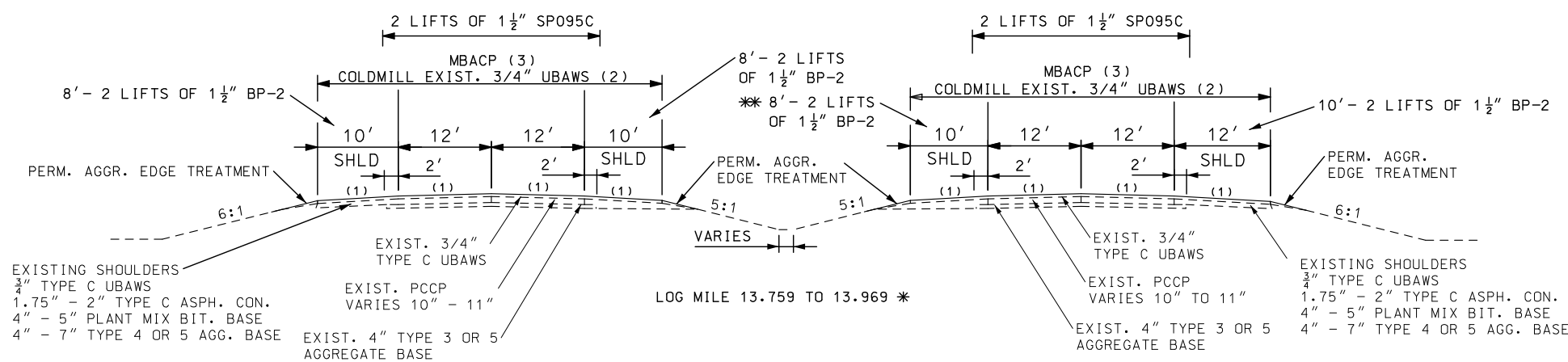
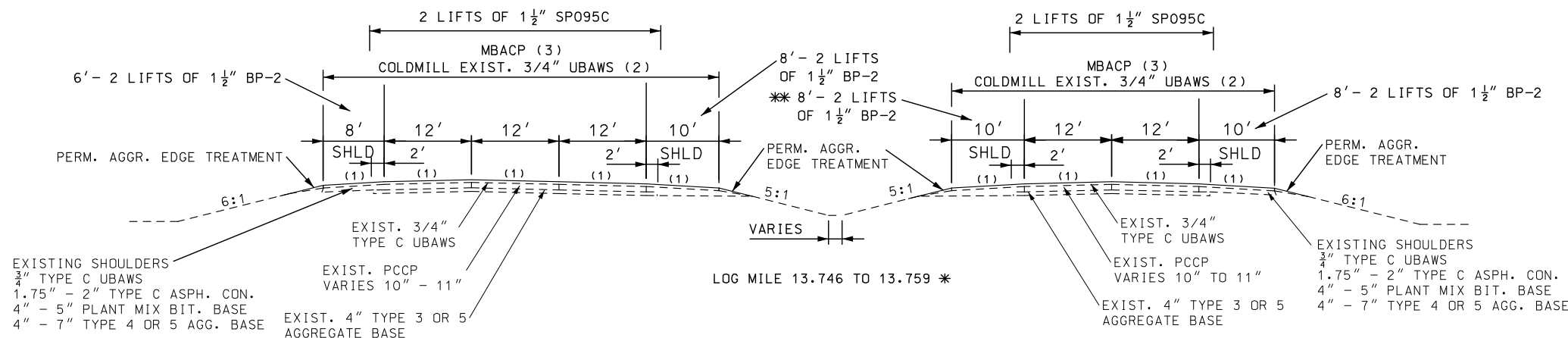
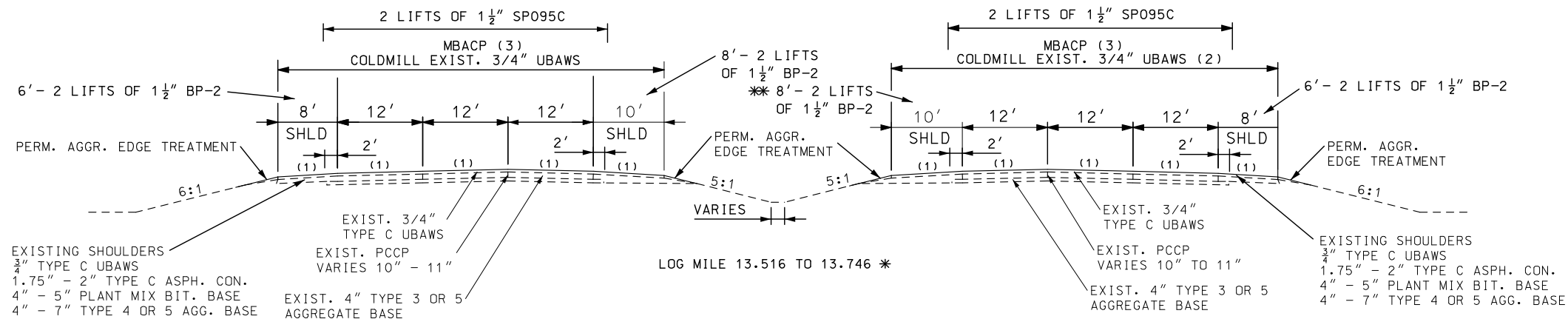
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-278-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



WESTBOUND

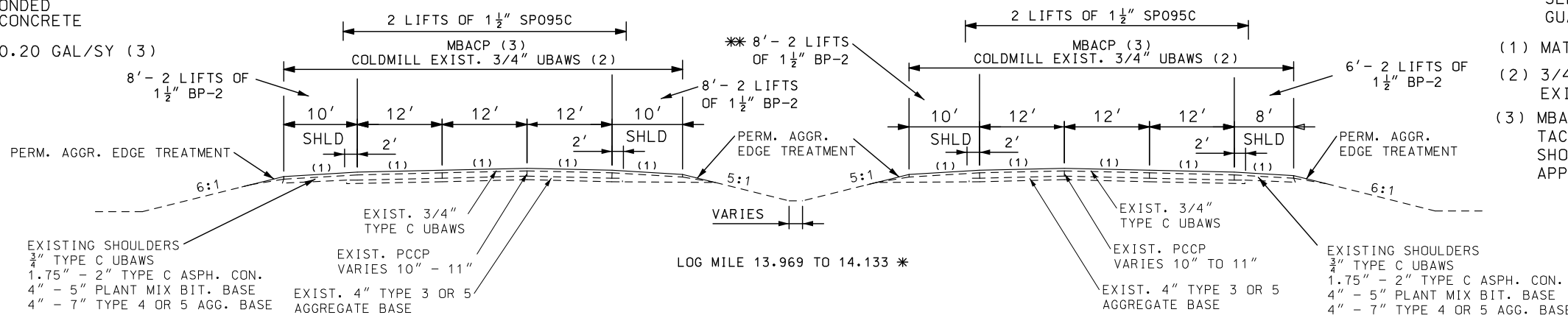
EASTBOUND



ESTIMATE FACTORS FOR INFORMATION ONLY

SP095C PG76-22 = 1.978 TON/CY  
 BP-2 PG64-22 = 1.998 TON/CY  
 MODIFIED BONDED ASPHALTIC CONCRETE PAVEMENT  
 (MBACP) = 0.20 GAL/SY (3)

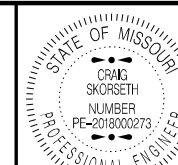
\* EASTBOUND LOG MILES USED  
 \*\* INCLUDES VEGETATIVE BARRIER AREA  
 SEE SHEET 10 OF 11 FOR MEDIAN GUARDRAIL DETAIL



- (1) MATCH EXISTING SLOPE
- (2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE
- (3) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.

DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET SHEET 2 OF 11



Craig Skorseth  
Professional Engineer

DATE PREPARED  
6/26/2024

ROUTE  
152

STATE  
MO

DISTRICT  
KC

SHEET NO.  
2

COUNTY  
CLAY

JOB NO.  
JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

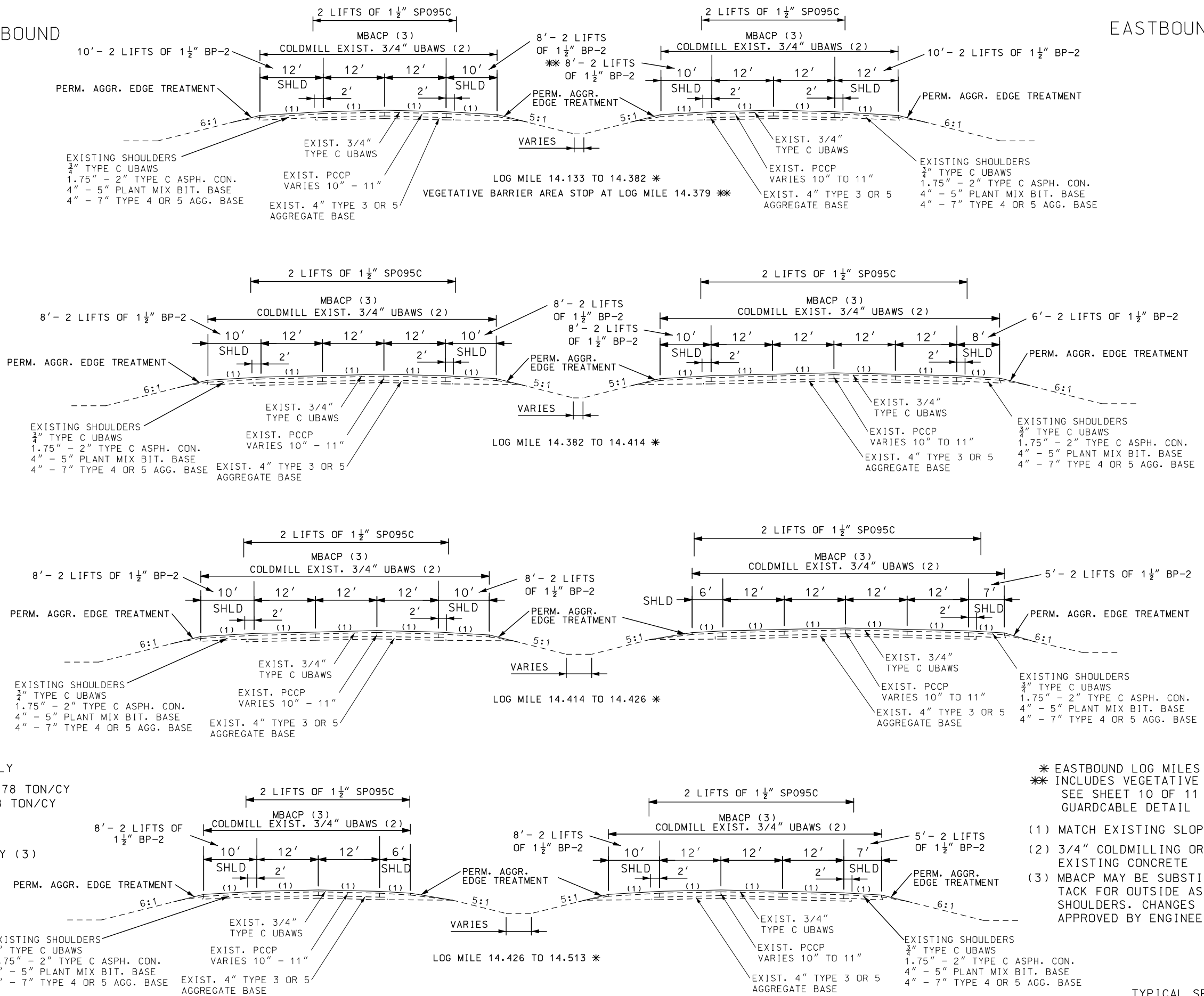
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WESTBOUND

EASTBOUND



ESTIMATE FACTORS  
FOR INFORMATION ONLY  
SP095C PG76-22 = 1.978 TON/CY  
BP-2 PG64-22 = 1.998 TON/CY  
MODIFIED BONDED ASPHALTIC CONCRETE PAVEMENT (MBACP) = 0.20 GAL/SY (3)

- \* EASTBOUND LOG MILES USED
- \*\* INCLUDES VEGETATIVE BARRIER AREA SEE SHEET 10 OF 11 FOR MEDIAN GUARDCABLE DETAIL
- (1) MATCH EXISTING SLOPE
- (2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE
- (3) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.

DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET  
SHEET 3 OF 11



DATE PREPARED: 6/26/2024  
ROUTE: 152, STATE: MO  
DISTRICT: KC, SHEET NO.: 2  
COUNTY: CLAY  
JOB NO.: JKU0054  
CONTRACT ID: \_\_\_\_\_  
PROJECT NO.: \_\_\_\_\_  
BRIDGE NO.: \_\_\_\_\_

DESCRIPTION	DATE

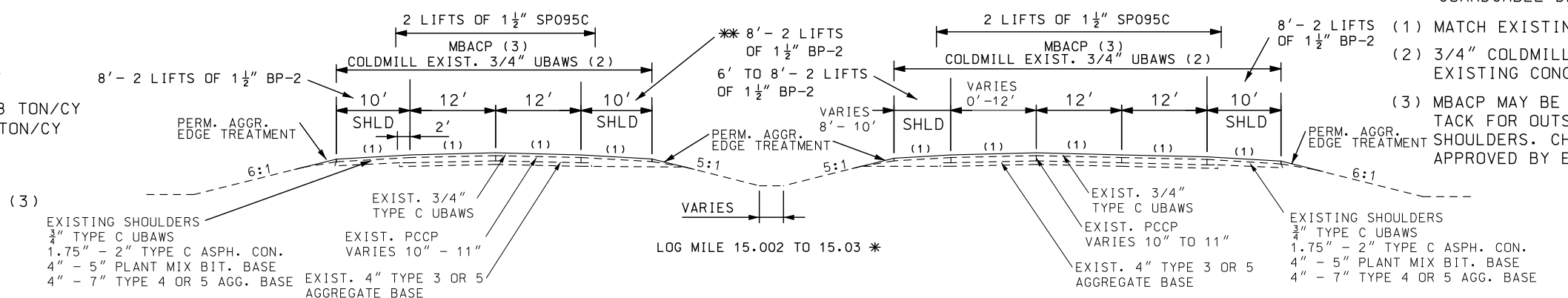
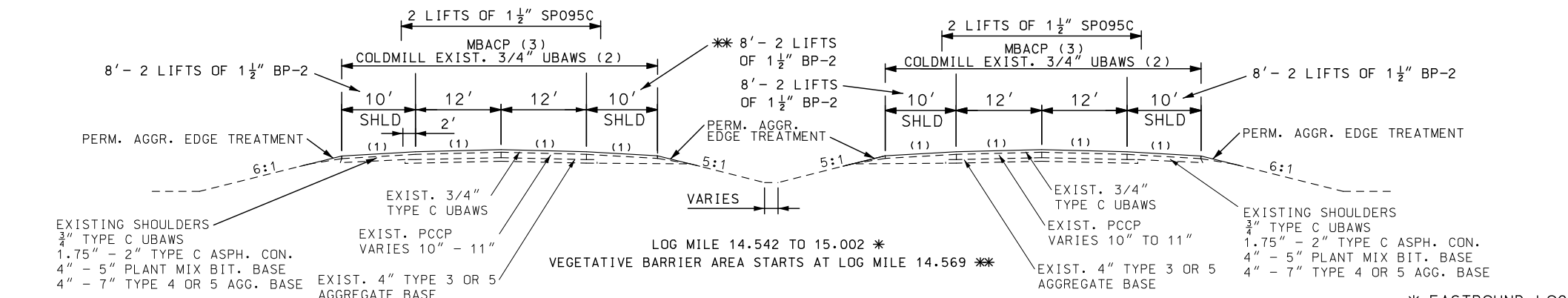
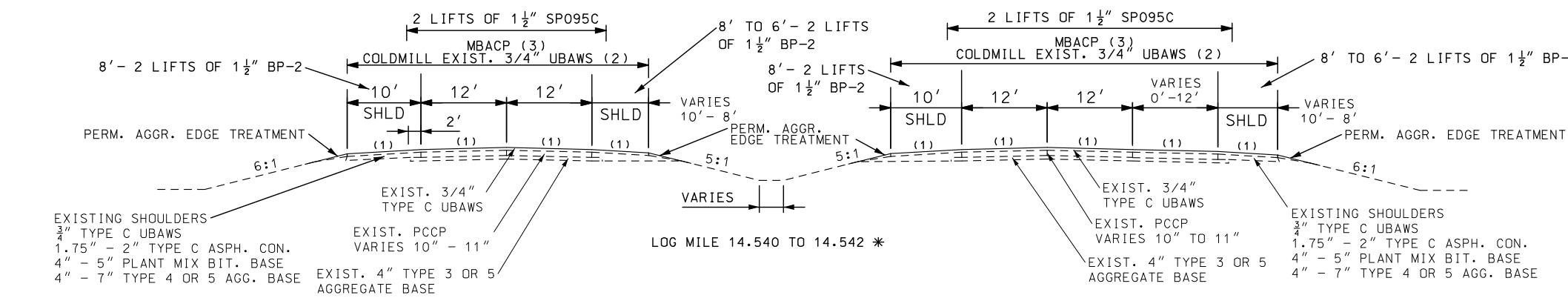
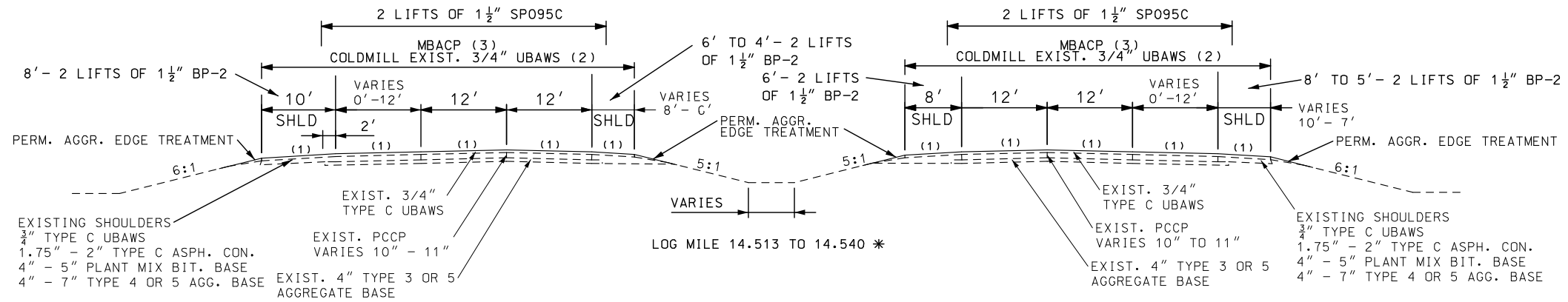
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WESTBOUND

EASTBOUND



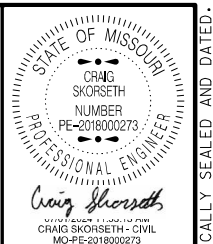
ESTIMATE FACTORS FOR INFORMATION ONLY  
 SP095C PG76-22 = 1.978 TON/CY  
 BP-2 PG64-22 = 1.998 TON/CY  
 MODIFIED BONDED ASPHALTIC CONCRETE PAVEMENT (MBACP) = 0.20 GAL/SY (3)

\* EASTBOUND LOG MILES USED  
 \*\* INCLUDES VEGETATIVE BARRIER AREA SEE SHEET 10 OF 11 FOR MEDIAN GUARDCABLE DETAIL

- (1) MATCH EXISTING SLOPE
- (2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE
- (3) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.

DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET SHEET 4 OF 11



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

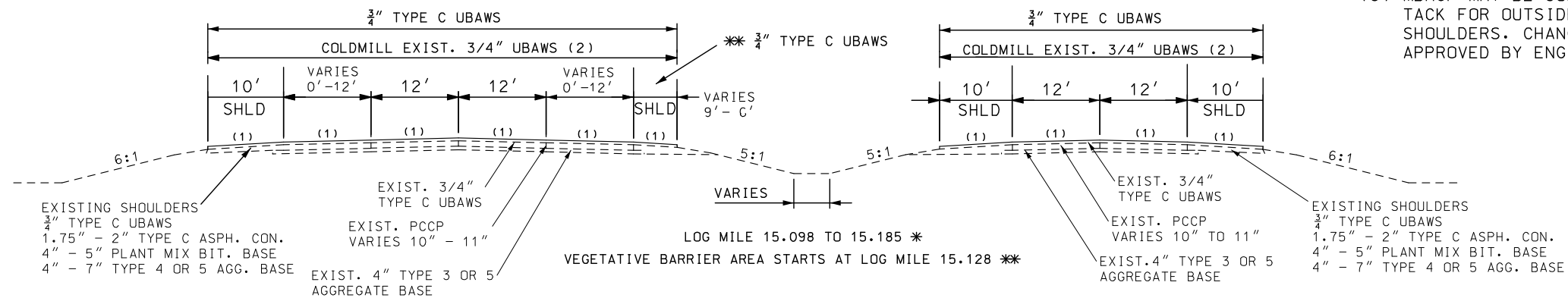
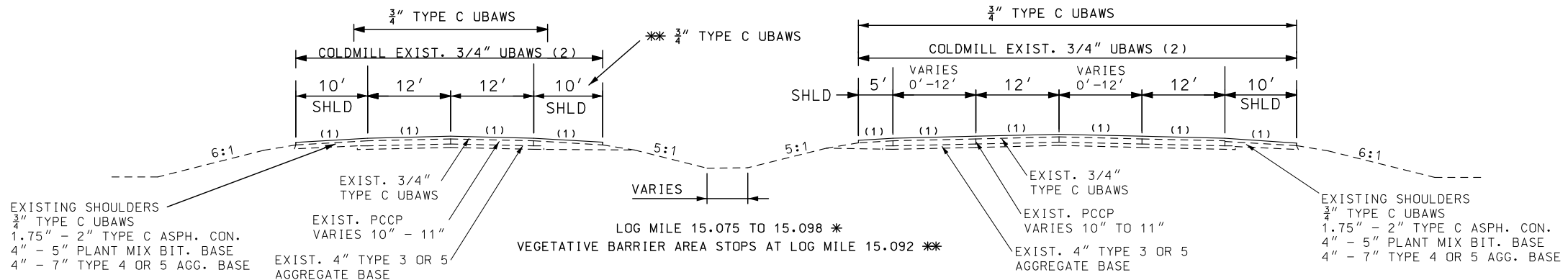
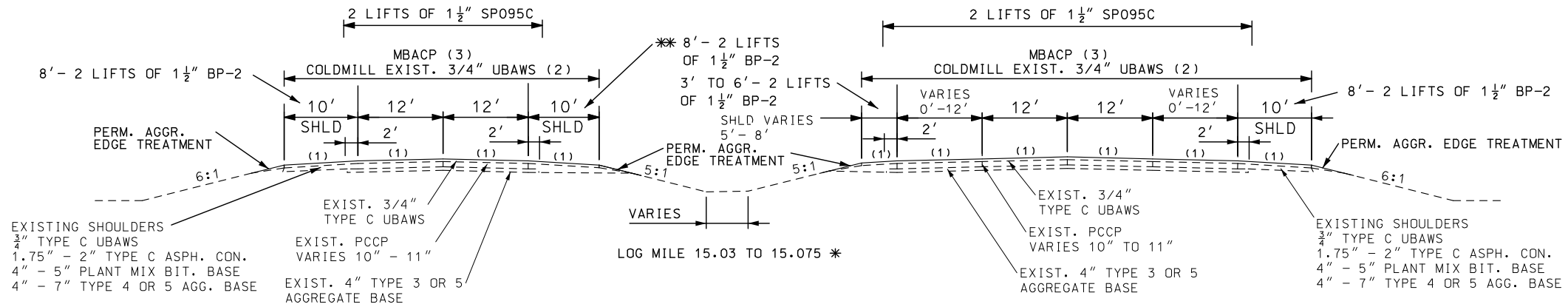
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WESTBOUND

EASTBOUND



ESTIMATE FACTORS  
FOR INFORMATION ONLY

SP095C PG76-22 = 1.978 TON/CY

BP-2 PG64-22 = 1.998 TON/CY

MODIFIED BONDED  
ASPHALTIC CONCRETE  
PAVEMENT  
(MBACP) = 0.20 GAL/SY (3)

- \* EASTBOUND LOG MILES USED
- \*\* INCLUDES VEGETATIVE BARRIER AREA  
SEE SHEET 10 OF 11 FOR MEDIAN  
GUARDRAIL DETAIL
- (1) MATCH EXISTING SLOPE
- (2) 3/4" COLDMILLING OR COLDMILLING TO  
EXISTING CONCRETE
- (3) MBACP MAY BE SUBSTITUTED FOR  
TACK FOR OUTSIDE ASPHALT BP-2  
SHOULDERS. CHANGES SHALL BE  
APPROVED BY ENGINEER IN CHARGE.

DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET  
SHEET 5 OF 11



DATE PREPARED	6/26/2024	
ROUTE	152	STATE MO
DISTRICT	KC	SHEET NO. 2
COUNTY	CLAY	
JOB NO.	JKU0054	
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		

DESCRIPTION	DATE

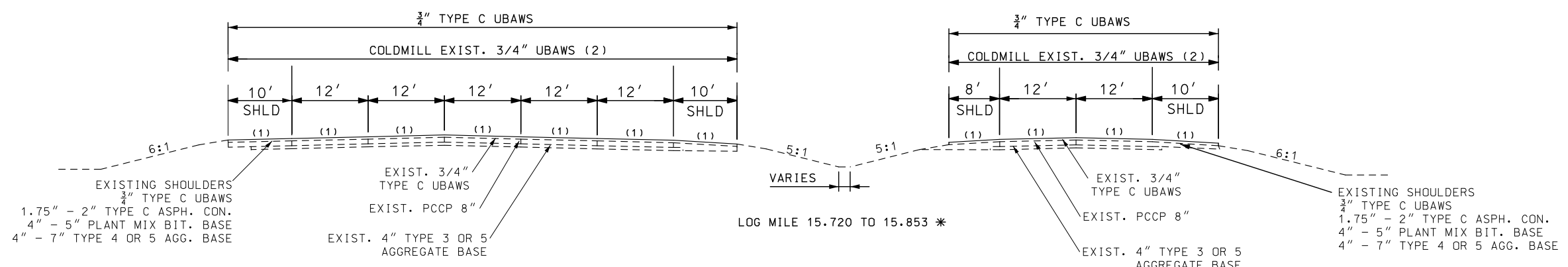
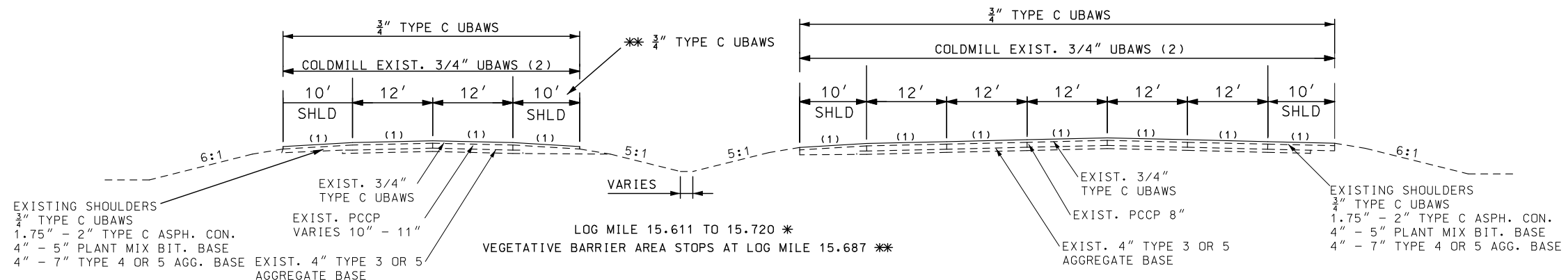
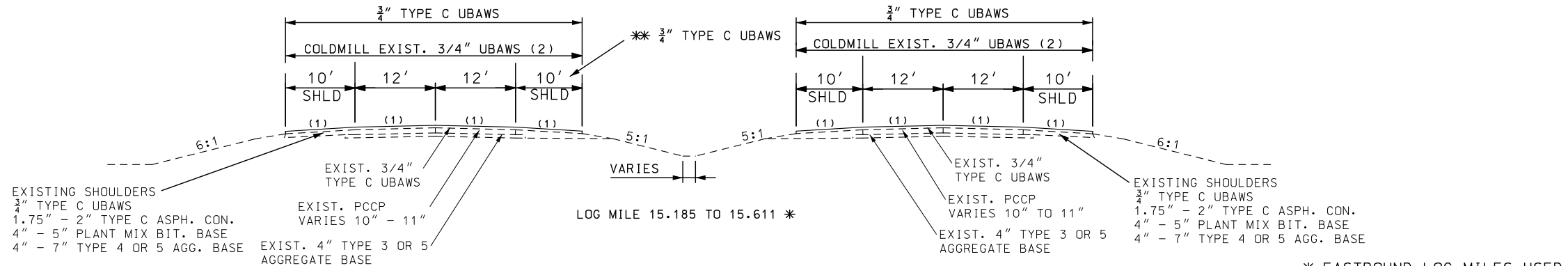
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WESTBOUND

EASTBOUND



\* EASTBOUND LOG MILES USED  
 \*\* INCLUDES VEGETATIVE BARRIER AREA  
 SEE SHEET 10 OF 11 FOR MEDIAN  
 GUARDCABLE DETAIL

(1) MATCH EXISTING SLOPE  
 (2) 3/4" COLDMILLING OR COLDMILLING  
 TO EXISTING CONCRETE

DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET  
SHEET 6 OF 11



DATE PREPARED	6/26/2024
ROUTE	152
DISTRICT	KC
COUNTY	CLAY
JOB NO.	JKU0054
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

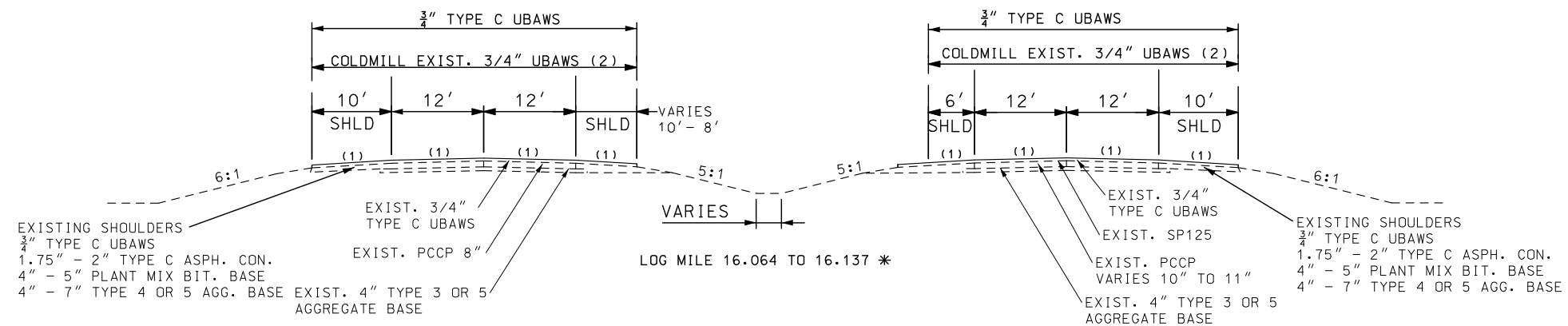
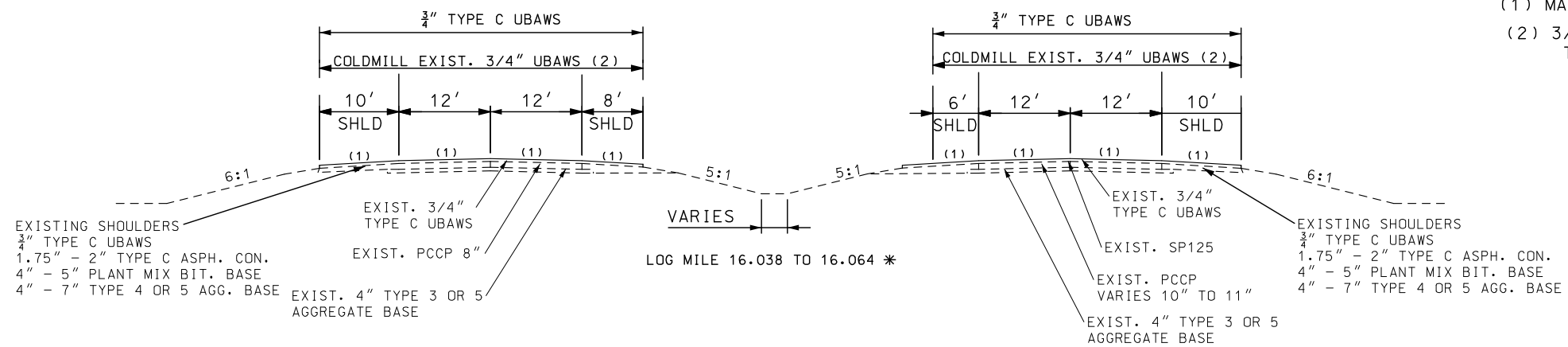
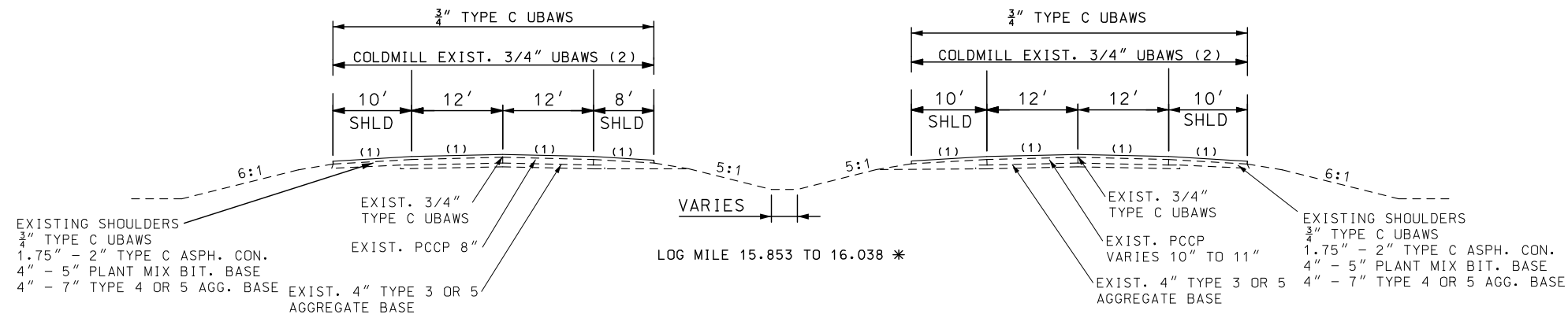
MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-278-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WESTBOUND

EASTBOUND



\* EASTBOUND LOG MILES USED  
 (1) MATCH EXISTING SLOPE  
 (2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE

DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET  
 SHEET 7 OF 11



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

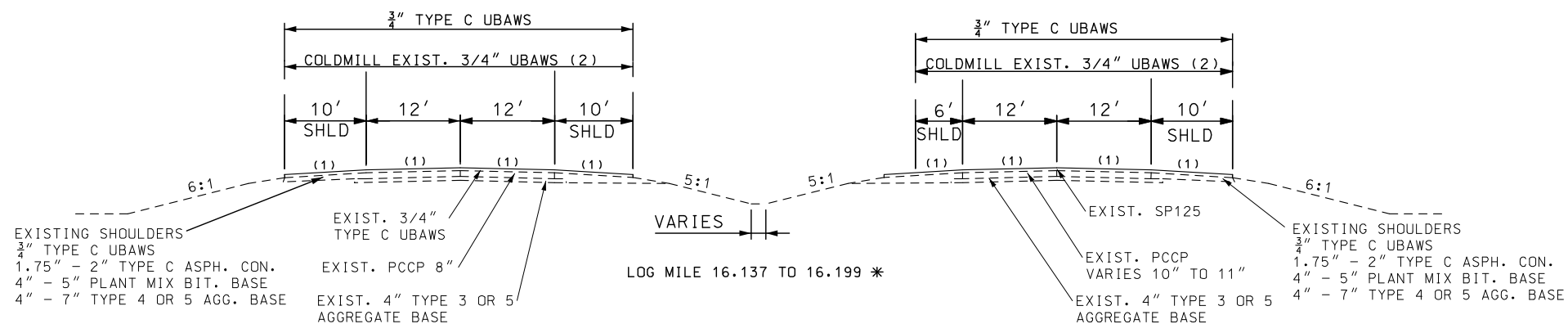
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

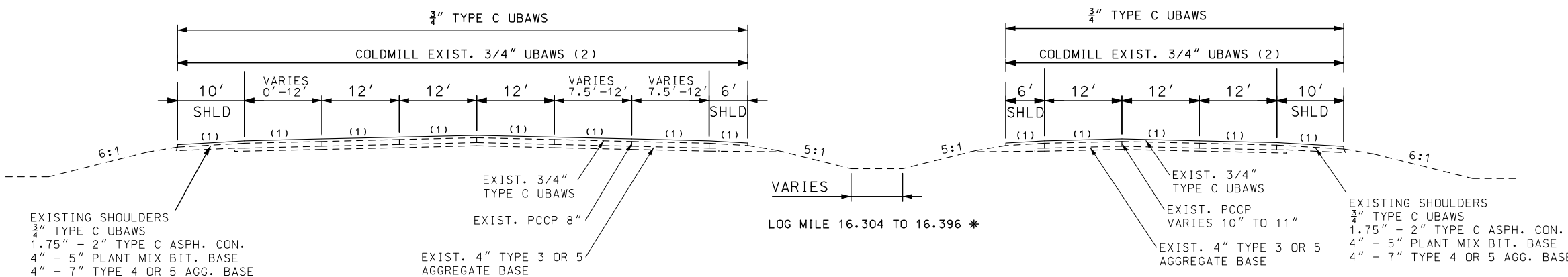
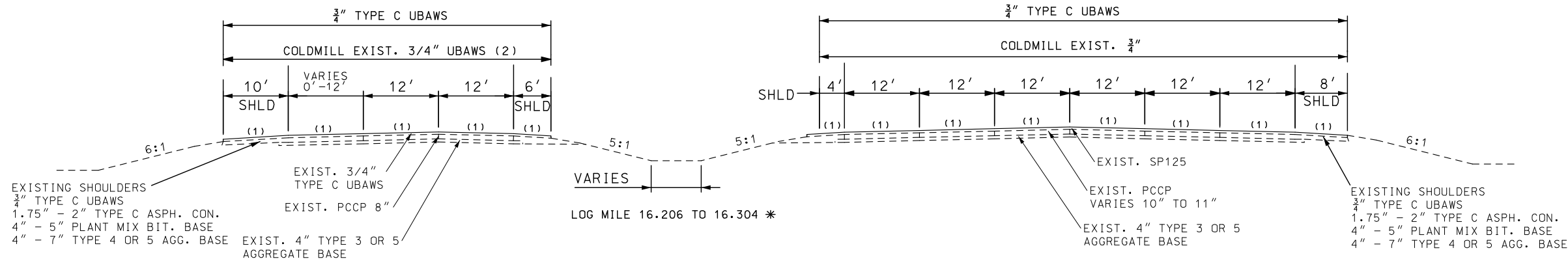
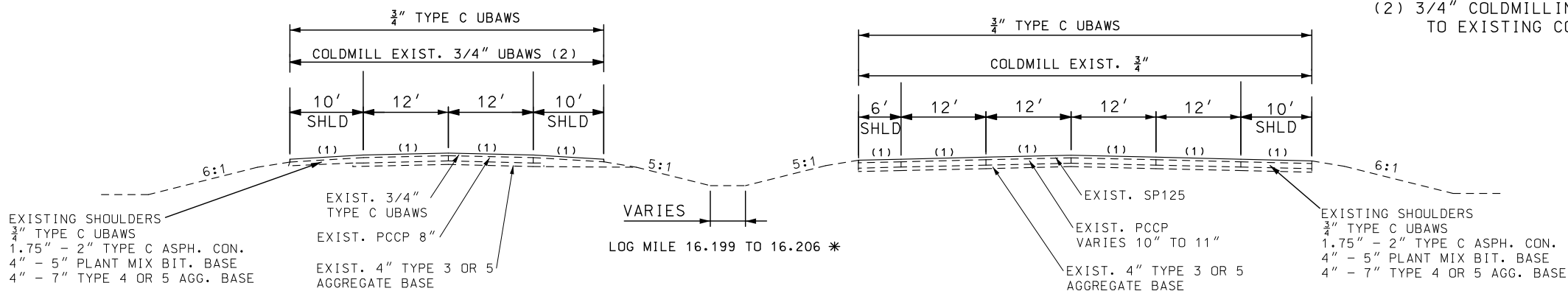
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WESTBOUND

EASTBOUND

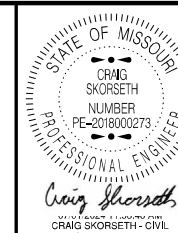


\* EASTBOUND LOG MILES USED  
 (1) MATCH EXISTING SLOPE  
 (2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE



DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET  
 SHEET 8 OF 11



DATE PREPARED  
 6/26/2024

ROUTE  
 152

STATE  
 MO

DISTRICT  
 KC

SHEET NO.  
 2

COUNTY  
 CLAY

JOB NO.  
 JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WESTBOUND

EASTBOUND



DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 2

COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

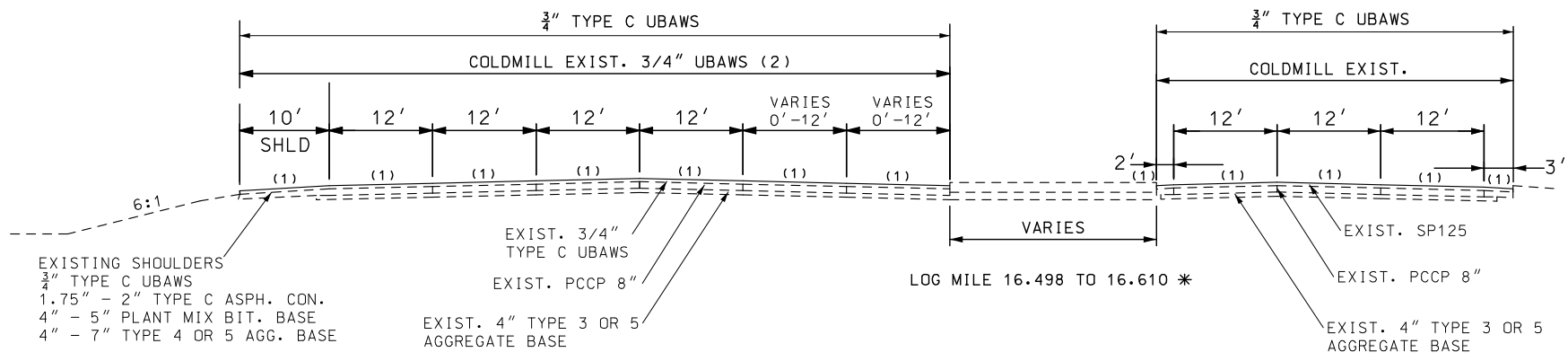
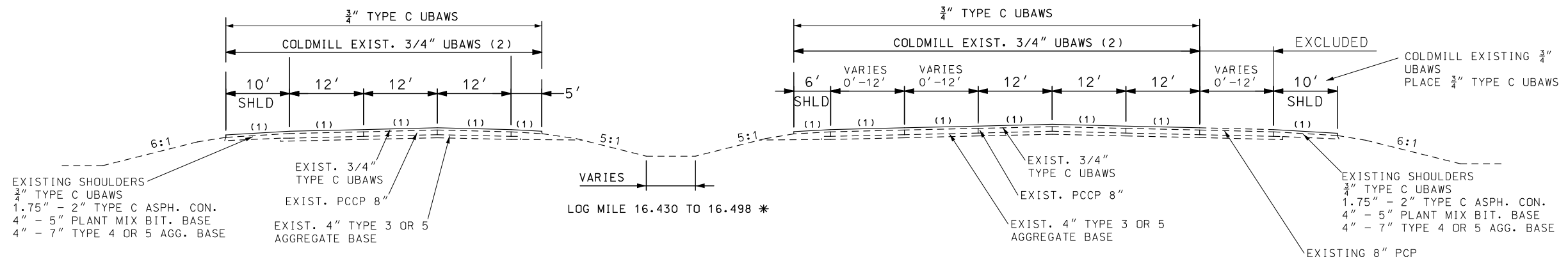
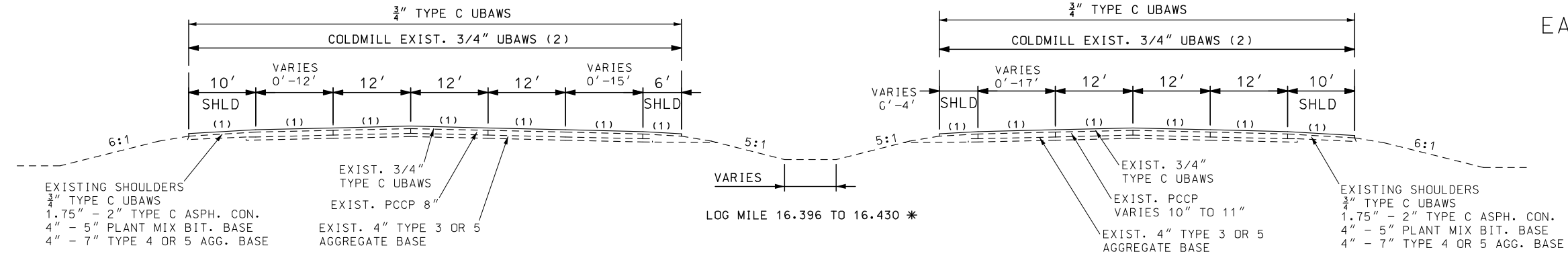
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

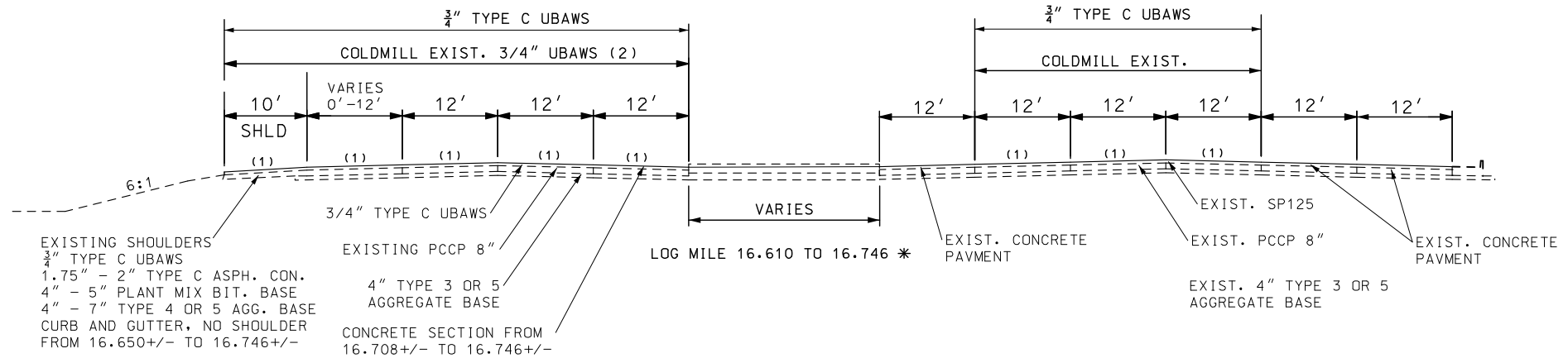
MoDOT

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



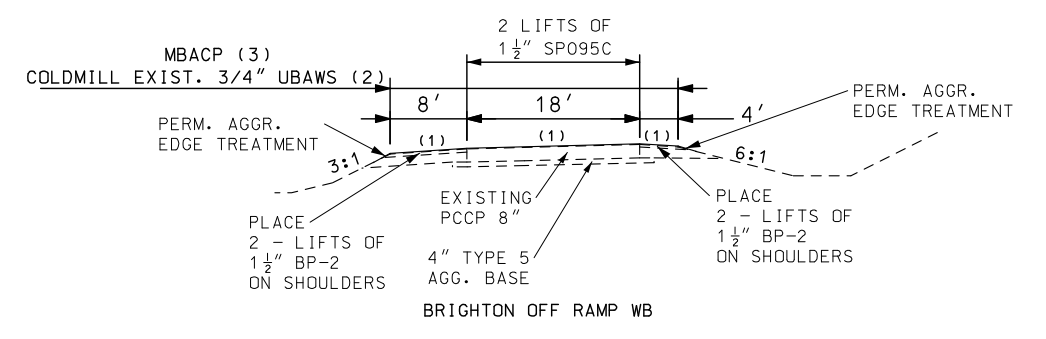
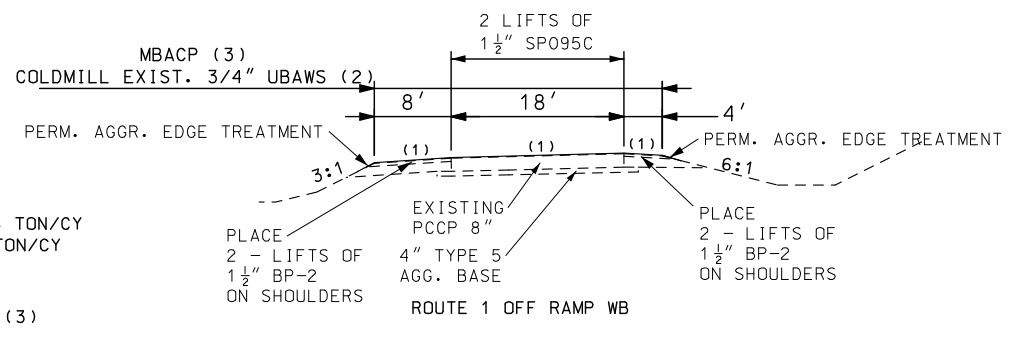
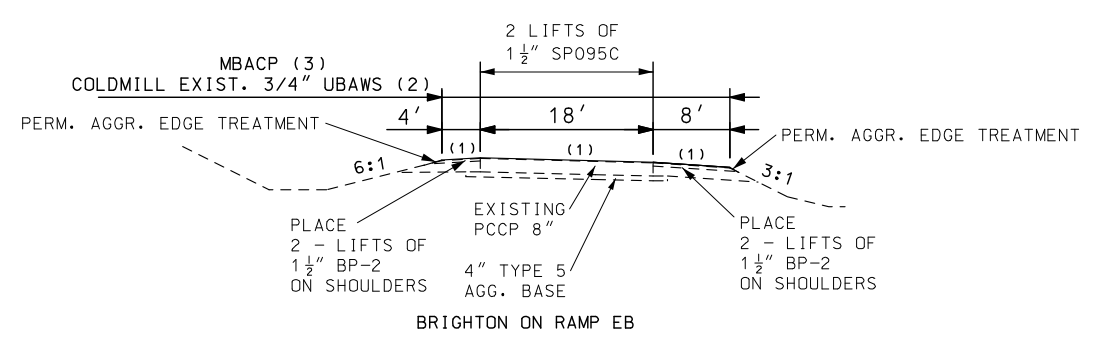
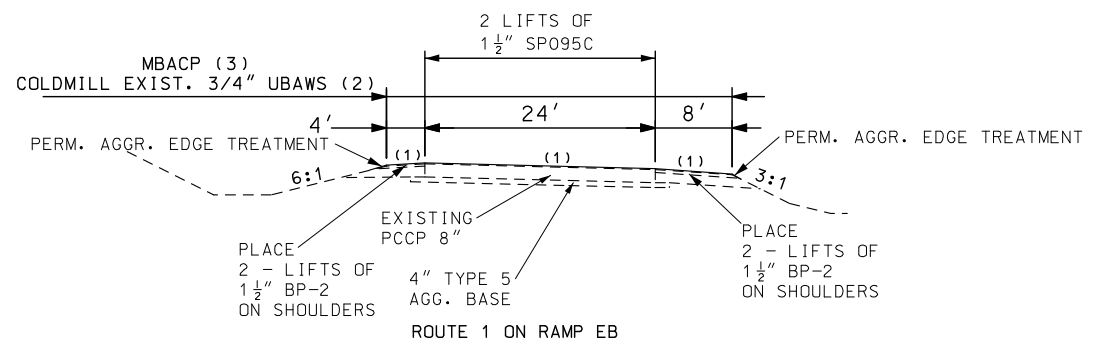
\* EASTBOUND LOG MILES USED  
(1) MATCH EXISTING SLOPE  
(2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE



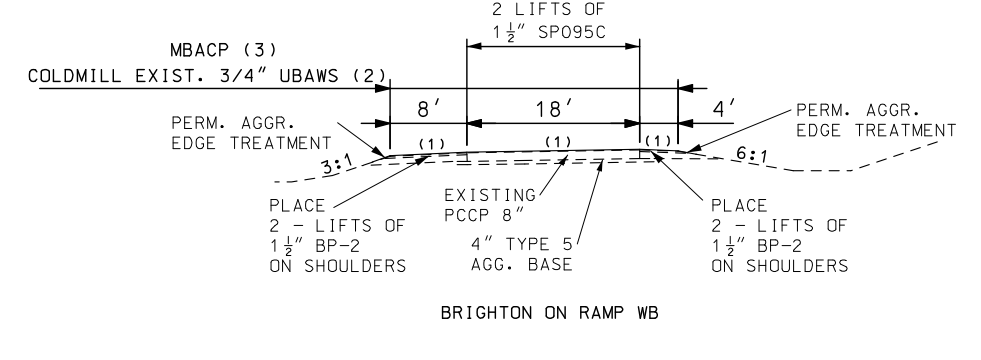
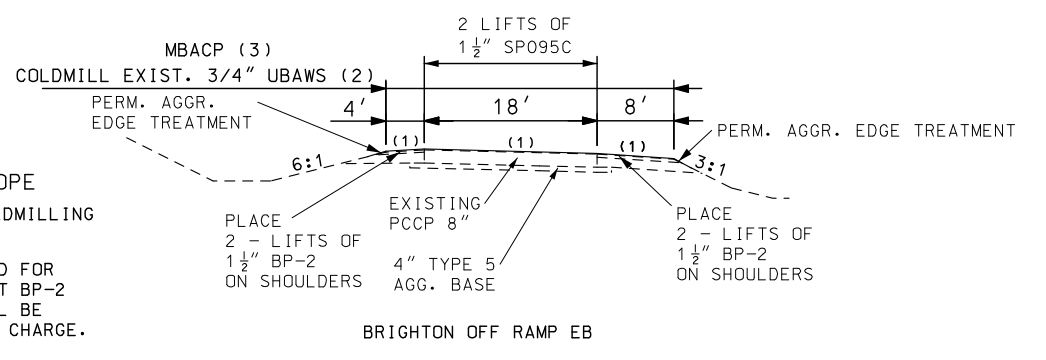
DRAWINGS ARE NOT TO SCALE

TYPICAL SECTION SHEET SHEET 9 OF 11

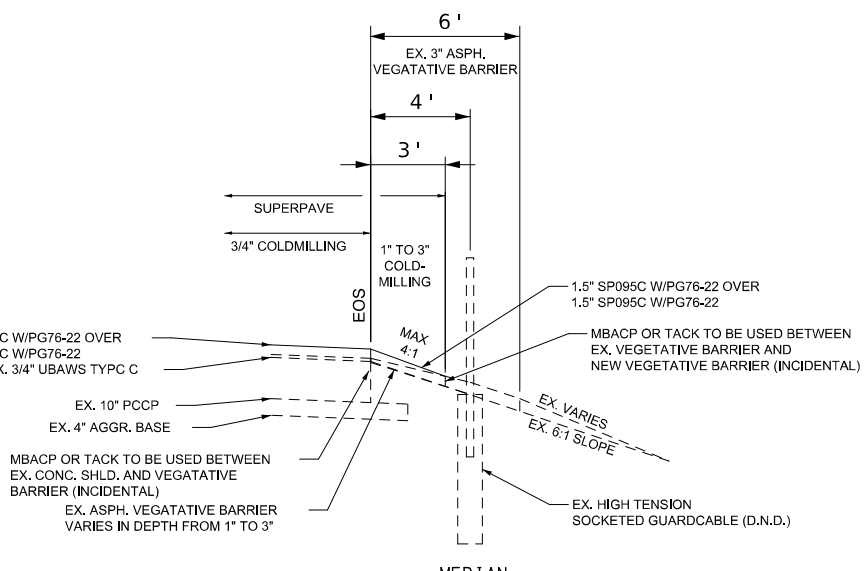
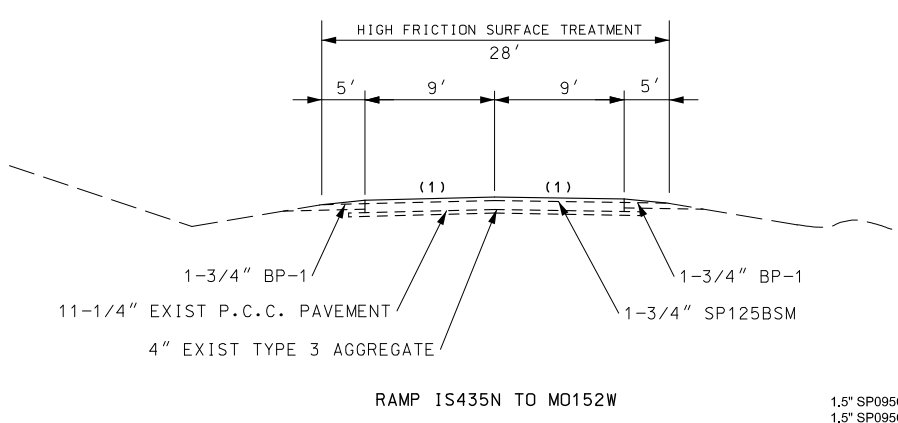




ESTIMATE FACTORS  
FOR INFORMATION ONLY  
SP095C PG76-22 = 1.978 TON/CY  
BP-2 PG64-22 = 1.998 TON/CY  
MODIFIED BONDED  
ASPHALTIC CONCRETE  
PAVEMENT  
(MBACP) = 0.20 GAL/SY (3)

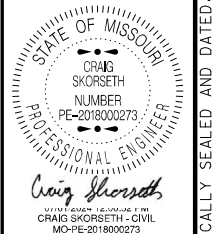


- (1) MATCH EXISTING SLOPE
- (2) 3/4" COLDMILLING OR COLDMILLING TO EXISTING CONCRETE
- (3) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.



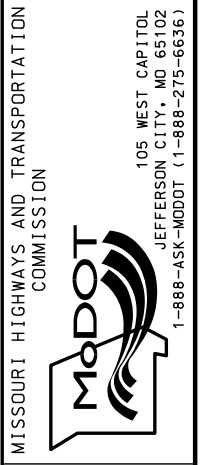
DRAWINGS ARE NOT TO SCALE

NOT TO SCALE  
MEDIAN  
GUARDCABLE DETAIL  
AT VARIOUS LOCATIONS ON ROUTE 152



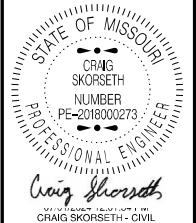
DATE PREPARED	6/26/2024	
ROUTE	152	STATE MO
DISTRICT	KC	SHEET NO. 2
COUNTY	CLAY	
JOB NO.	JKU0054	
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		

DATE	DESCRIPTION



MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 2

COUNTY CLAY

JOB NO. JKU0054


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

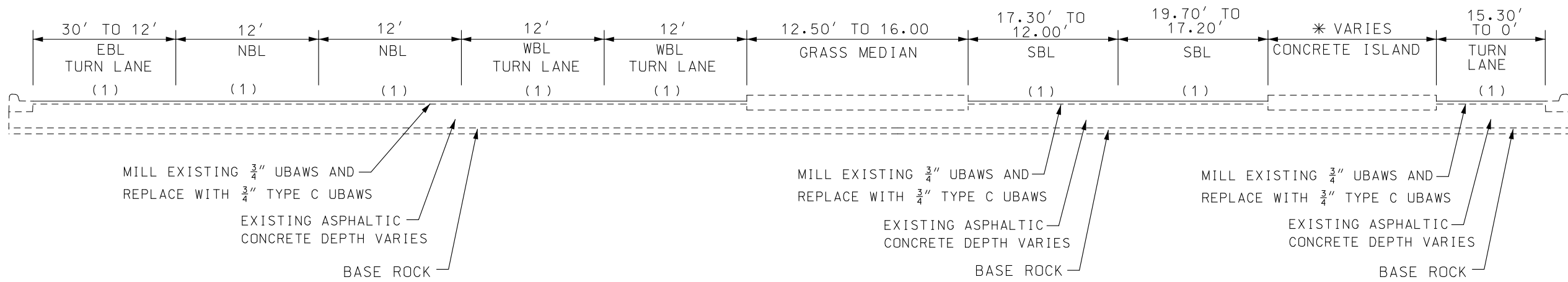
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



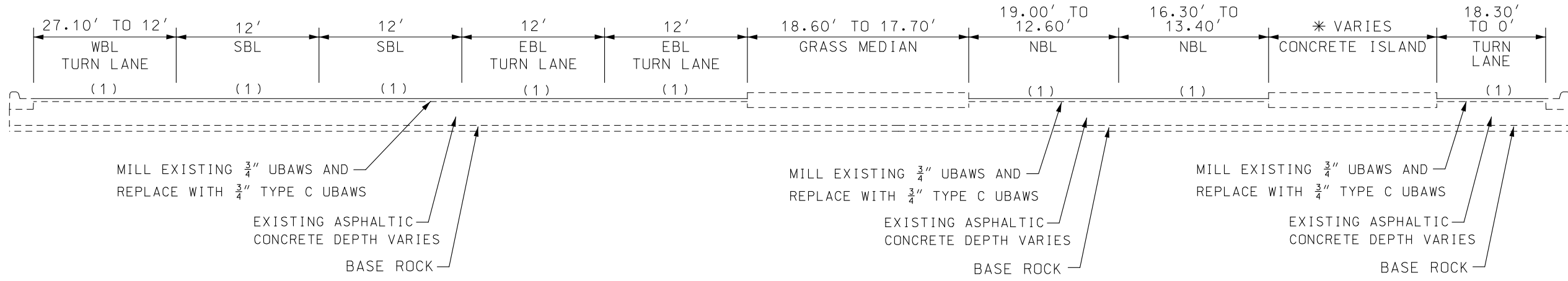
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



**FLINTLOCK ROAD**  
NORTH SIDE OF ROUTE 152 INTERSECTION

(1) MATCH EXISTING SLOPE



**FLINTLOCK ROAD**  
NORTH SIDE OF ROUTE 152 INTERSECTION

DRAWINGS ARE NOT TO SCALE

(1) MATCH EXISTING SLOPE

FIRST LIFT OF 1 1/2" SP095C PG76-22 PAVEMENT QUANTITIES - EASTBOUND						
EASTBOUND BEGINNING	EASTBOUND ENDING	LENGTH	LANE WIDTHS MULTI LANES	MAIN LINE 1.5" SP095C MULT LANE TONS	MAIN LINE MBACP MULTI LANE GALLONS	
LOG MILE	LOG MILE		(FEET)			
12.275	12.517	1100.60	30.00	302.36	733.73	BRIDGE A3111 193'
12.517	12.575	306.24	30.00	84.13	204.16	
12.575	13.183	3210.24	40.00	1175.90	2853.55	
13.183	13.516	1631.24	28.00	418.26	1014.99	BRIDGE A3112 127'
13.516	13.746	1214.40	40.00	444.83	1079.47	
13.746	13.759	68.64	28.00	17.60	42.71	
13.759	13.969	1108.80	28.00	284.30	689.92	
13.969	14.133	865.92	40.00	317.18	769.71	
14.133	14.382	1314.72	28.00	337.10	818.05	
14.382	14.414	168.96	52.00	80.46	195.24	
14.414	14.426	63.36	56.00	32.49	78.85	
14.426	14.513	225.36	40.00	82.55	200.32	BRIDGE A3113 234'
14.513	14.540	142.56	34.00	44.39	107.71	
14.540	14.542	10.56	34.00	3.29	7.98	
14.542	15.002	2428.80	28.00	622.76	1511.25	
15.002	15.030	147.84	34.00	46.03	111.70	
15.030	15.075	237.60	40.00	87.03	211.20	
SUBTOTAL 1				4380.66	10630.54	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

SECOND LIFT OF 1 1/2" SP095C PG76-22 PAVEMENT QUANTITIES - EASTBOUND						
EASTBOUND BEGINNING	EASTBOUND ENDING	LENGTH	LANE WIDTHS MULTI LANES	MAIN LINE 1.5" SP095C MULT LANE TONS	MAIN LINE MBACP MULTI LANE GALLONS	
LOG MILE	LOG MILE		(FEET)			
12.275	12.517	1100.60	30.00	302.36	733.73	BRIDGE A3111 193'
12.517	12.575	306.24	30.00	84.13	204.16	
12.575	13.183	3210.24	40.00	1175.90	2853.55	
13.183	13.516	1631.24	28.00	418.26	1014.99	BRIDGE A3112 127'
13.516	13.746	1214.40	40.00	444.83	1079.47	
13.746	13.759	68.64	28.00	17.60	42.71	
13.759	13.969	1108.80	28.00	284.30	689.92	
13.969	14.133	865.92	40.00	317.18	769.71	
14.133	14.382	1314.72	28.00	337.10	818.05	
14.382	14.414	168.96	52.00	80.46	195.24	
14.414	14.426	63.36	56.00	32.49	78.85	
14.426	14.513	225.36	40.00	82.55	200.32	BRIDGE A3113 234'
14.513	14.540	142.56	34.00	44.39	107.71	
14.540	14.542	10.56	34.00	3.29	7.98	
14.542	15.002	2428.80	28.00	622.76	1511.25	
15.002	15.030	147.84	34.00	46.03	111.70	
15.030	15.075	237.60	40.00	87.03	211.20	
SUBTOTAL 3				4380.66	10630.54	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

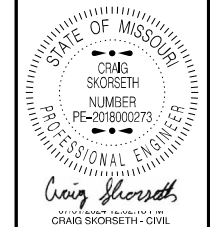
MODIFIED BONDED ASOHALTIC CONCRETE PAVEMENT (MBACP)

FIRST LIFT OF 1 1/2" SP095C PG76-22 PAVEMENT QUANTITIES - WESTBOUND						
WESTBOUND BEGINNING	WESTBOUND ENDING	LENGTH	LANE WIDTHS MULTI LANES	MAIN LINE 1.5" SP095C MULT LANE TONS	MAIN LINE MBACP MULTI LANE GALLONS	
LOG MILE	LOG MILE		(FEET)			
12.275	12.517	1100.60	30.00	302.36	733.73	BRIDGE A5491 193'
12.517	12.575	306.24	42.00	117.78	285.82	
12.575	13.183	3210.24	42.00	1234.69	2996.22	
13.183	13.516	1629.24	30.00	447.59	1086.16	BRIDGE A5402 129'
13.516	13.746	1214.40	40.00	444.83	1079.47	
13.746	13.759	68.64	40.00	25.14	61.01	
13.759	13.969	1108.80	28.00	284.30	689.92	
13.969	14.133	865.92	40.00	317.18	769.71	
14.133	14.382	1314.72	28.00	337.10	818.05	
14.382	14.414	168.96	40.00	61.89	150.19	
14.414	14.426	63.36	40.00	23.21	56.32	
14.426	14.513	225.36	32.00	66.04	160.26	BRIDGE A3113 234'
14.513	14.540	142.56	34.00	44.39	107.71	
14.540	14.542	10.56	28.00	2.71	6.57	
14.542	15.002	2428.80	28.00	622.76	1511.25	
15.002	15.030	147.84	28.00	37.91	91.99	
15.030	15.075	237.60	28.00	60.92	147.84	
SUBTOTAL 2				4430.80	10752.22	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

SECOND LIFT OF 1 1/2" SP095C PG76-22 PAVEMENT QUANTITIES - WESTBOUND						
WESTBOUND BEGINNING	WESTBOUND ENDING	LENGTH	LANE WIDTHS MULTI LANES	MAIN LINE 1.5" SP095C MULT LANE TONS	MAIN LINE MBACP MULTI LANE GALLONS	
LOG MILE	LOG MILE		(FEET)			
12.275	12.517	1100.60	30.00	302.36	733.73	BRIDGE A5491 193'
12.517	12.575	306.24	42.00	117.78	285.82	
12.575	13.183	3210.24	42.00	1234.69	2996.22	
13.183	13.516	1629.24	30.00	447.59	1086.16	BRIDGE A5402 129'
13.516	13.746	1214.40	40.00	444.83	1079.47	
13.746	13.759	68.64	40.00	25.14	61.01	
13.759	13.969	1108.80	28.00	284.30	689.92	
13.969	14.133	865.92	40.00	317.18	769.71	
14.133	14.382	1314.72	28.00	337.10	818.05	
14.382	14.414	168.96	40.00	61.89	150.19	
14.414	14.426	63.36	40.00	23.21	56.32	
14.426	14.513	225.36	32.00	66.04	160.26	BRIDGE A3113 234'
14.513	14.540	142.56	34.00	44.39	107.71	
14.540	14.542	10.56	28.00	2.71	6.57	
14.542	15.002	2428.80	28.00	622.76	1511.25	
15.002	15.030	147.84	28.00	37.91	91.99	
15.030	15.075	237.60	28.00	60.92	147.84	
SUBTOTAL 4				4430.80	10752.22	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.



DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-5636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

FIRST LIFT OF 1 1/2" BP-2 PG 64-22 PAVEMENT QUANTITIES - SHOULDERS EASTBOUND

EASTBOUND BEGINNING	EASTBOUND ENDING	LENGTH	SHOULDER WIDTHS MULTI SHLD.	SHOULDERS 1.5" BP-2	SHOULDERS MBACP (1)	REMARKS
LOG MILE	LOG MILE	(FEET)	(FEET)	TONS	GALLONS	
12.275	12.517	1100.60	8.00	81.44	195.66	BRIDGE A3111 193'
12.517	12.575	306.24	15.00	42.49	102.08	
12.575	13.183	3210.24	12.00	356.34	856.06	
13.183	13.516	1631.24	14.00	211.25	507.50	BRIDGE A3112 127'
13.516	13.746	1214.40	18.00	202.20	485.76	
13.746	13.759	68.64	16.00	10.16	24.41	
13.759	13.969	1108.80	18.00	184.62	443.52	
13.969	14.133	865.92	14.00	112.14	269.40	
14.133	14.382	1314.72	18.00	218.90	525.89	
14.382	14.414	168.96	14.00	21.88	52.57	
14.414	14.426	63.36	5.00	2.93	7.04	
14.426	14.513	225.36	13.00	27.10	65.10	BRIDGE A3113 234'
14.513	14.540	142.56	12.50	16.48	39.60	
14.540	14.542	10.56	15.00	1.47	3.52	
14.542	15.002	2428.80	16.00	359.46	863.57	
15.002	15.030	147.84	15.00	20.51	49.28	
15.030	15.075	237.60	12.50	27.47	66.00	
<b>SUBTOTAL 5</b>				1896.84	4556.96	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

SECOND LIFT OF 1 1/2" BP-2 PG 64-22 PAVEMENT QUANTITIES - SHOULDERS EASTBOUND

EASTBOUND BEGINNING	EASTBOUND ENDING	LENGTH	SHOULDER WIDTHS MULTI SHLD.	SHOULDERS 1.5" BP-2	SHOULDERS MBACP (1)	REMARKS
LOG MILE	LOG MILE	(FEET)	(FEET)	TONS	GALLONS	
12.275	12.517	1100.60	8.00	81.44	195.66	BRIDGE A3111 193'
12.517	12.575	306.24	15.00	42.49	102.08	
12.575	13.183	3210.24	12.00	356.34	856.06	
13.183	13.516	1631.24	14.00	211.25	507.50	BRIDGE A3112 127'
13.516	13.746	1214.40	18.00	202.20	485.76	
13.746	13.759	68.64	16.00	10.16	24.41	
13.759	13.969	1108.80	18.00	184.62	443.52	
13.969	14.133	865.92	14.00	112.14	269.40	
14.133	14.382	1314.72	18.00	218.90	525.89	
14.382	14.414	168.96	14.00	21.88	52.57	
14.414	14.426	63.36	5.00	2.93	7.04	
14.426	14.513	225.36	13.00	27.10	65.10	BRIDGE A3113 234'
14.513	14.540	142.56	12.50	16.48	39.60	
14.540	14.542	10.56	15.00	1.47	3.52	
14.542	15.002	2428.80	16.00	359.46	863.57	
15.002	15.030	147.84	15.00	20.51	49.28	
15.030	15.075	237.60	12.50	27.47	66.00	
<b>SUBTOTAL 7</b>				1896.84	4556.96	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

MODIFIED BONDED ASOHALTIC CONCRETE PAVEMENT (MBACP) (1)

(1) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.

FIRST LIFT OF 1 1/2" BP-2 PG 64-22 PAVEMENT QUANTITIES - SHOULDERS WESTBOUND

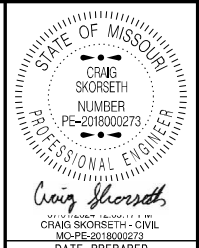
WESTBOUND BEGINNING	WESTBOUND ENDING	LENGTH	SHOULDER WIDTHS MULTI SHLD.	SHOULDERS 1.5" BP-2	SHOULDERS MBACP (1)	REMARKS
LOG MILE	LOG MILE	(FEET)	(FEET)	TONS	GALLONS	
12.275	12.517	1100.60	8.00	81.44	195.66	BRIDGE A5491 193'
12.517	12.575	306.24	6.00	17.00	40.83	
12.575	13.183	3210.24	6.00	178.17	428.03	
13.183	13.516	1629.24	8.00	120.56	289.64	BRIDGE A5402 129'
13.516	13.746	1214.40	14.00	157.26	377.81	
13.746	13.759	68.64	14.00	8.89	21.35	
13.759	13.969	1108.80	16.00	164.10	394.24	
13.969	14.133	865.92	16.00	128.16	307.88	
14.133	14.382	1314.72	18.00	218.90	525.89	
14.382	14.414	168.96	16.00	25.01	60.07	
14.414	14.426	63.36	16.00	9.38	22.53	
14.426	14.513	225.36	8.00	16.68	40.06	BRIDGE A3113 234'
14.513	14.540	142.56	13.00	17.14	41.18	
14.540	14.542	10.56	15.00	1.47	3.52	
14.542	15.002	2428.80	16.00	359.46	863.57	
15.002	15.030	147.84	16.00	21.88	52.57	
15.030	15.075	237.60	16.00	35.16	84.48	
<b>SUBTOTAL 6</b>					1560.66	3749.31

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

SECOND LIFT OF 1 1/2" BP-2 PG 64-22 PAVEMENT QUANTITIES - SHOULDERS WESTBOUND

WESTBOUND BEGINNING	WESTBOUND ENDING	LENGTH	SHOULDER WIDTHS MULTI SHLD.	SHOULDERS 1.5" BP-2	SHOULDERS MBACP (1)	REMARKS
LOG MILE	LOG MILE	(FEET)	(FEET)	TONS	GALLONS	
12.275	12.517	1100.60	8.00	81.44	195.66	BRIDGE A5491 193'
12.517	12.575	306.24	6.00	17.00	40.83	
12.575	13.183	3210.24	6.00	178.17	428.03	
13.183	13.516	1629.24	8.00	120.56	289.64	BRIDGE A5402 129'
13.516	13.746	1214.40	14.00	157.26	377.81	
13.746	13.759	68.64	14.00	8.89	21.35	
13.759	13.969	1108.80	16.00	164.10	394.24	
13.969	14.133	865.92	16.00	128.16	307.88	
14.133	14.382	1314.72	18.00	218.90	525.89	
14.382	14.414	168.96	16.00	25.01	60.07	
14.414	14.426	63.36	16.00	9.38	22.53	
14.426	14.513	225.36	8.00	16.68	40.06	BRIDGE A3113 234'
14.513	14.540	142.56	13.00	17.14	41.18	
14.540	14.542	10.56	15.00	1.47	3.52	
14.542	15.002	2428.80	16.00	359.46	863.57	
15.002	15.030	147.84	16.00	21.88	52.57	
15.030	15.075	237.60	16.00	35.16	84.48	
<b>SUBTOTAL 8</b>					1560.66	3749.31

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.



DATE PREPARED  
6/26/2024

ROUTE  
152

STATE  
MO

DISTRICT  
KC

SHEET NO.  
3

COUNTY  
CLAY

JOB NO.  
JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

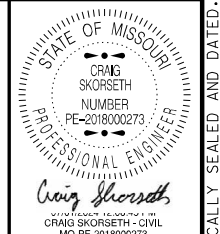
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-5636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 3

COUNTY CLAY

JOB NO. JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

UBAWS TYPE C (0.75") EASTBOUND

SOUTH BOUND BEGINNING	SOUTH BOUND ENDING	LENGTH	LANE WIDTHS MULTI LANES	SHOULDER WIDTHS MULTI SHOULDERS	MAIN LINE TYPE C UBAWS MULTI LANES SQ. YDS.	MAIN LINE TYPE C UBAWS MULTI SHOULDER SQ. YDS.
LOG MILE	LOG MILE	(FEET)	(FEET)	(FEET)		
15.075	15.098	121.44	43.00	8.00	580.21	107.95
15.098	15.185	459.36	28.00	16.00	1429.12	816.64
15.185	15.611	2249.28	28.00	16.00	6997.76	3998.72
15.611	15.720	575.52	64.00	16.00	4092.59	1023.15
15.720	15.853	702.24	40.00	14.00	3121.07	1092.37
15.853	16.038	976.80	28.00	16.00	3038.93	1736.53
16.038	16.064	137.28	32.00	8.00	488.11	122.03
16.064	16.137	385.44	32.00	8.00	1370.45	342.61
16.137	16.199	327.36	32.00	8.00	1163.95	290.99
16.199	16.206	36.96	56.00	8.00	229.97	32.85
16.206	16.304	517.44	78.00	6.00	4484.48	344.96
16.304	16.396	485.76	44.00	8.00	2374.83	431.79
16.396	16.430	179.52	51.50	8.00	1027.25	159.57
16.430	16.498	359.04	60.00	10.00	2393.60	398.93
16.498	16.610	591.36	41.00	0.00	2693.97	0.00
16.610	16.746	718.08	36.00	0.00	2872.32	0.00
SUBTOTAL 9					38358.61	10899.09

HIGH FRICTION SURFACE TREATMENT	
LOCATION	HIGH FRICTION SURFACE TREATMENT BAUXITE SY
RAMP, NORTH BOUND 435 TO WEST BOUND ROUTE 152	5612.4
LOG 0.000 TO LOG 0.311	
TOTALS	5612.4
PAY TOTALS	5612

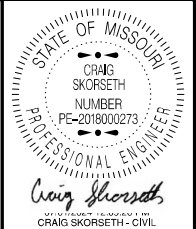
UBAWS TYPE C (0.75") WESTBOUND

SOUTH BOUND BEGINNING	SOUTH BOUND ENDING	LENGTH	LANE WIDTHS MULTI LANES	SHOULDER WIDTHS MULTI SHOULDERS	MAIN LINE TYPE C UBAWS MULTI LANES SQ. YDS.	MAIN LINE TYPE C UBAWS MULTI SHOULDER SQ. YDS.
LOG MILE	LOG MILE	(FEET)	(FEET)	(FEET)		
15.075	15.098	121.44	28.00	16.00	377.81	215.89
15.098	15.185	459.36	40.00	13.50	2041.60	689.04
15.185	15.611	2249.28	28.00	16.00	6997.76	3998.72
15.611	15.720	575.52	28.00	16.00	1790.51	1023.15
15.720	15.853	702.24	64.00	16.00	4993.71	1248.43
15.853	16.038	976.80	28.00	14.00	3038.93	1519.47
16.038	16.064	137.28	28.00	14.00	427.09	213.55
16.064	16.137	385.44	28.00	15.00	1199.15	642.40
16.137	16.199	327.36	28.00	16.00	1018.45	581.97
16.199	16.206	36.96	28.00	16.00	114.99	65.71
16.206	16.304	517.44	38.00	8.00	2184.75	459.95
16.304	16.396	485.76	69.50	8.00	3751.15	431.79
16.396	16.430	179.52	57.50	8.00	1146.93	159.57
16.430	16.498	359.04	43.00	8.00	1715.41	319.15
16.498	16.610	591.36	56.00	8.00	3679.57	525.65
16.610	16.746	718.08	44.00	8.00	3510.61	638.29
SUBTOTAL 10					37988.42	12732.73

UBAWS TYPE C (0.75") AT BRIDGES

BEGINNING LOG	END LOG	BOUND	LENGTH LF	WIDTH LF	TYPE C UBAWS SQ. YDS.	REMARKS
13.325	13.367	EB	227.00	40.00	1008.89	BRIDGE A3112, OVER BRIGHTON AVE. (1)
14.431	14.440	EB	50.00	48.00	266.67	BRIDGE A3113, OVER SHOAL CREEK, (2)
14.484	14.493	EB	50.00	48.00	266.67	BRIDGE A3113, OVER SHOAL CREEK, (2)
13.325	13.367	WB	229.00	40.00	1017.78	BRIDGE A5402, OVER BRIGHTON AVE. (1)
14.431	14.440	WB	50.00	48.00	266.67	BRIDGE A3113, OVER SHOAL CREEK, (2)
14.484	14.493	WB	50.00	48.00	266.67	BRIDGE A3113, OVER SHOAL CREEK, (2)
SUBTOTAL 13					3093.35	

(1) INCLUDES BRIDGE DECK, BRIDGE APPROCH SLABS, CONCRET APPROACH PAVEMENT  
(2) INCLUDES BRIDGE APPROCH SLABS, CONCRET APPROACH PAVEMENT



DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY CLAY  
JOB NO. JKU0054

CONTRACT ID.


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BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

**SPO95C PG76-22 LANES AND BP-2 SHOULDER QUANTITIES - RAMPS**

LOG MILE	LOCATION	LENGTH FEET	LANE WIDTH FEET	MULTI-SHOULDERS WIDTH FEET	1 1/2" SPO95C LANE TON	1 1/2" BP-2 SHOULDER TON	MBACP LANE GALLON	MBACP (1) SHOULDER GALLON	REMARKS
12.291	ROUTE 1 ON RAMP TO EASTBOUND ROUTE 152	1309.44	24.00	12.00	287.79	145.35	698.37	349.18	FIRST LIFT OF ASPHALT AND TACK
12.291	ROUTE 1 ON RAMP TO EASTBOUND ROUTE 152	1309.44	24.00	12.00	287.79	145.35	698.37	349.18	SECOND LIFT OF ASPHALT AND TACK
12.291	ROUTE 152 WESTBOUND OFF RAMP TO ROUTE 1	1499.52	18.00	12.00	247.17	166.45	599.81	399.87	FIRST LIFT OF ASPHALT AND TACK
12.291	ROUTE 152 WESTBOUND OFF RAMP TO ROUTE 1	1499.52	18.00	12.00	247.17	166.45	599.81	399.87	SECOND LIFT OF ASPHALT AND TACK
13.345	ROUTE 152 EASTBOUND OFF RAMP TO BRIGHTON AVENUE	1087.68	18.00	12.00	179.29	120.73	435.07	290.05	FIRST LIFT OF ASPHALT AND TACK
13.345	ROUTE 152 EASTBOUND OFF RAMP TO BRIGHTON AVENUE	1087.68	18.00	12.00	179.29	120.73	435.07	290.05	SECOND LIFT OF ASPHALT AND TACK
13.345	BRIGHTON AVENUE ON RAMP TO EASTBOUND ROUTE 152	1161.60	18.00	12.00	191.47	128.94	464.64	309.76	FIRST LIFT OF ASPHALT AND TACK
13.345	BRIGHTON AVENUE ON RAMP TO EASTBOUND ROUTE 152	1161.60	18.00	12.00	191.47	128.94	464.64	309.76	SECOND LIFT OF ASPHALT AND TACK
13.345	ROUTE 152 WESTBOUND OFF RAMP TO BRIGHTON AVENUE	1098.24	18.00	12.00	181.03	121.90	439.30	292.86	FIRST LIFT OF ASPHALT AND TACK
13.345	ROUTE 152 WESTBOUND OFF RAMP TO BRIGHTON AVENUE	1098.24	18.00	12.00	181.03	121.90	439.30	292.86	SECOND LIFT OF ASPHALT AND TACK
13.345	BRIGHTON AVENUE ON RAMP TO WESTBOUND ROUTE 152	1145.76	18.00	12.00	188.86	127.18	458.30	305.54	FIRST LIFT OF ASPHALT AND TACK
13.345	BRIGHTON AVENUE ON RAMP TO WESTBOUND ROUTE 152	1145.76	18.00	12.00	188.86	127.18	458.30	305.54	SECOND LIFT OF ASPHALT AND TACK
<b>SUBTOTAL 11</b>					<b>2551.22</b>	<b>1621.10</b>	<b>6190.98</b>	<b>3894.52</b>	

MODIFIED BONDED ASOHALTIC CONCRETE PAVEMENT (MBACP) (1)  
  
(1) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.

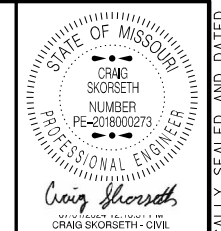
**PAVEMENT QUANTITIES - SIDEROADS TYPE C UBAWS (0.75")**

EASTBOUND LOG MILE	LOCATION	LENGTH FEET	AVERAGE WIDTH FEET	TYPE 0.75" UBAWS SQ. YDS.	REMARKS
13.346	BRIGHTON AVE. NORTHBOUND LANES	375	36	1500.00	LANES, SOUTH OF THE EASTBOUND ON RAMP TO ROUTE 152 EASTBOUND
13.346	BRIGHTON AVE. SOUTHBOUND LANES	375	36	1500.00	LANES, SOUTH OF THE EASTBOUND ROUTE 152 OFF RAMP TO BRIGHTON AVENUE
15.107	SHOAL CREEK PARKWAY, NORTHBOUND LANES	145	54	870.00	SHOAL CREEK PARKWAY, NORTH SIDE OF ROUTE 152 INTERSECTION
15.107	SHOAL CREEK PARKWAY, NORTHBOUND LANES	570	24	1520.00	SHOAL CREEK PARKWAY, NORTH SIDE OF ROUTE 152 INTERSECTION
15.107	SHOAL CREEK PARKWAY, SOUTHBOUND LANES	289	36	1156.00	SHOAL CREEK PARKWAY, NORTH SIDE OF ROUTE 152 INTERSECTION
15.107	SHOAL CREEK PARKWAY, SOUTHBOUND LANES	426	24	1136.00	SHOAL CREEK PARKWAY, NORTH SIDE OF ROUTE 152 INTERSECTION
15.107	SHOAL CREEK PARKWAY, NORTHBOUND LANE	65	6	43.33	SHOAL CREEK PARKWAY, SOUTH SIDE OF ROUTE 152 INTERSECTION, TURN LANE
15.107	SHOAL CREEK PARKWAY, NORTHBOUND LANE	275	12	366.67	SHOAL CREEK PARKWAY, SOUTH SIDE OF ROUTE 152 INTERSECTION, TURN LANE
15.107	SHOAL CREEK PARKWAY, NORTHBOUND LANES	350	24	933.33	SHOAL CREEK PARKWAY, SOUTH SIDE OF ROUTE 152 INTERSECTION
15.107	SHOAL CREEK PARKWAY, NORTHBOUND SHLD.	350	12	466.67	NORTHBOUND SHOULDER SHOAL CREEK PARKWAY, SOUTH SIDE OF ROUTE 152 INTERSECTION
15.107	SHOAL CREEK PARKWAY, SOUTHBOUND LANES	350	24	933.33	SHOAL CREEK PARKWAY, SOUTH SIDE OF ROUTE 152 INTERSECTION
16.317	FLINTLOCK ROAD, TURN LANE	65	19.6	141.56	FLINTLOCK ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, WESTBOUND TURN LANE
16.317	FLINTLOCK ROAD, SOUTHBOUND LANES	65	24	173.33	FLINTLOCK ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, SOUTHBOUND THROUGH LANES
16.317	FLINTLOCK ROAD, TURN LANES	65	24	173.33	FLINTLOCK ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, EASTBOUND TURN LANES
16.317	FLINTLOCK ROAD, NORTHBOUND LANE	65	15.8	114.11	FLINTLOCK ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, NORTHBOUND THROUGH LANE
16.317	FLINTLOCK ROAD, NORTHBOUND LANE	65	14.9	107.61	FLINTLOCK ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, NORTHBOUND THROUGH LANE
16.317	FLINTLOCK ROAD, TURN LANE	65	9.2	66.44	FLINTLOCK ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, TURN LANE OFF OF WESTBOUND ROUTE 152
16.317	FLINTLOCK ROAD, TURN LANE	85	21	198.33	FLINTLOCK ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, TURN LANE ON TO EASTBOUND ROUTE 152
16.317	FLINTLOCK ROAD, NORTHBOUND LANES	85	24	226.67	FLINTLOCK ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, NORTHBOUND THROUGH LANES
16.317	FLINTLOCK ROAD, TURN LANES	85	24	226.67	FLINTLOCK ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, WESTBOUND TURN LANES
16.317	FLINTLOCK ROAD, SOUTHBOUND LANE	85	14.7	138.83	FLINTLOCK ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, SOUTHBOUND THROUGH LANE
16.317	FLINTLOCK ROAD, SOUTHBOUND LANE	85	18.5	174.72	FLINTLOCK ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, SOUTHBOUND THROUGH LANE
16.317	FLINTLOCK ROAD, TURN LANE	85	7.7	72.72	FLINTLOCK ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, TURN LANE OFF OF EASTBOUND ROUTE 152
16.506	CHURCH ROAD, NORTHBOUND LANES	55	28	171.11	CHURCH ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, NORTHBOUND THROUGH LANES
16.506	CHURCH ROAD, LEFT TURN LANES	55	24	146.67	CHURCH ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, LEFT TURN LANES
16.506	CHURCH ROAD, SOUTHBOUND LANE	55	12	73.33	CHURCH ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, SOUTHBOUND THROUGH LANE
16.506	CHURCH ROAD, RIGHT TURN LANE	55	20	122.22	CHURCH ROAD, NORTH SIDE OF ROUTE 152 INTERSECTION, RIGHT TURN LANE
16.506	CHURCH ROAD, SOUTHBOUND LANES	55	24	146.67	CHURCH ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, SOUTHBOUND THROUGH LANES
16.506	CHURCH ROAD, LEFT TURN LANES	55	14	85.56	CHURCH ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, LEFT TURN LANE
16.506	CHURCH ROAD, NORTHBOUND LANE	55	12	73.33	CHURCH ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, NORTHBOUND THROUGH LANE
16.506	CHURCH ROAD, RIGHT TURN LANE	55	34	207.78	CHURCH ROAD, SOUTH SIDE OF ROUTE 152 INTERSECTION, RIGHT TURN LANE
16.639	EVANSTON AVENUE, MULTIPLE LANES	40	71	315.56	EVANSTON AVENUE, NORTH SIDE OF ROUTE 152, MULTIPLE LANES
<b>SUBTOTAL 12</b>				<b>13581.88</b>	

	TOTAL PAVEMENT QUANTITIES - SP095C, BP-2, UBAWS AND TACK						
	SP095C	BP-2	UBAWS LANES	UBAWS SHOULDER	UBAWS SIDEROADS	MBACP LANE	MBACP (1) SHOULDER
	TON	TON	SQ. YDS.			GALLON	GALLON
SUBTOTAL 1	4380.66					10630.54	
SUBTOTAL 2	4430.80					10752.22	
SUBTOTAL 3	4380.66					10630.54	
SUBTOTAL 4	4430.80					10752.22	
SUBTOTAL 5		1896.84					4556.96
SUBTOTAL 6		1560.66					3749.31
SUBTOTAL 7		1896.84					4556.96
SUBTOTAL 8		1560.66					3749.31
SUBTOTAL 9			38358.61	10899.09			
SUBTOTAL 10			37988.42	12732.73			
SUBTOTAL 11	2551.22	1621.10				6190.98	3894.52
SUBTOTAL 12					13581.88		
SUBTOTAL 13			3093.35				
TOTAL TO DATE	20174.14	8536.10	79440.38	23631.82	13581.88	48956.5	20507.06
TOTAL	20174.14	8536.10		116654.08		69463.56	
PAY TOTAL	20174.1	8536.1		116654		69464	

MODIFIED BONDED ASOHALTIC CONCRETE PAVEMENT (MBACP) (1)

(1) MBACP MAY BE SUBSTITUTED FOR TACK FOR OUTSIDE ASPHALT BP-2 SHOULDERS. CHANGES SHALL BE APPROVED BY ENGINEER IN CHARGE.



DATE PREPARED 6/26/2024

ROUTE 152 STATE MO DISTRICT KC SHEET NO. 3

COUNTY CLAY JOB NO. JKU0054 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

COLDMILLING 3" OR LESS MAINLINE EASTBOUND					
EASTBOUND BEGINNING LOG MILE	EASTBOUND ENDING LOG MILE	LENGTH	MULTI LANES WIDTHS (FEET)	MAIN LINE 0.75" MUTI LANES COLDMILLING SQ. YDS.	REMARKS
12.275	12.517	1100.60	24.00	2934.93	BRIDGE A3111 193'
12.517	12.575	306.24	24.00	816.64	
12.575	13.183	3210.24	36.00	12840.96	
13.183	13.516	1758.24	24.00	4688.64	
13.516	13.746	1214.40	36.00	4857.60	
13.746	13.759	68.64	24.00	183.04	
13.759	13.969	1108.80	24.00	2956.80	
13.969	14.133	865.92	36.00	3463.68	
14.133	14.382	1314.72	24.00	3505.92	
14.382	14.414	168.96	48.00	901.12	
14.414	14.426	63.36	48.00	337.92	
14.426	14.513	225.36	36.00	901.44	BRIDGE A3113 234'
14.513	14.540	142.56	30.00	475.20	
14.540	14.542	10.56	30.00	35.20	
14.542	15.002	2428.80	24.00	6476.80	
15.002	15.030	147.84	30.00	492.80	
15.030	15.080	264.00	36.00	1056.00	
15.080	15.098	95.04	36.00	380.16	
15.098	15.185	459.36	24.00	1224.96	
15.185	15.611	2249.28	24.00	5998.08	
15.611	15.720	575.52	60.00	3836.80	
15.720	15.853	702.24	36.00	2808.96	
15.853	16.038	976.80	24.00	2604.80	
16.038	16.064	137.28	24.00	366.08	
16.064	16.137	385.44	24.00	1027.84	
16.137	16.199	327.36	24.00	872.96	
16.199	16.206	36.96	48.00	197.12	
16.206	16.304	517.44	72.00	4139.52	
16.304	16.396	485.76	36.00	1943.04	
16.396	16.430	179.52	44.50	887.63	
16.430	16.498	359.04	54.00	2154.24	
16.498	16.610	591.36	36.00	2365.44	
16.610	16.746	718.08	36.00	2872.32	
				SUBTOTAL 1	80604.64

NOTE: BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

COLDMILLING 3" OR LESS MAINLINE WESTBOUND					
WESTBOUND BEGINNING LOG MILE	WESTBOUND ENDING LOG MILE	LENGTH	MULTI MAINLINE WIDTHS (FEET)	MAIN LINE 0.75" MUTI LANES COLDMILLING SQ. YDS.	REMARKS
12.275	12.517	1100.60	24.00	2934.93	BRIDGE A5491 193'
12.517	12.575	306.24	36.00	1224.96	
12.575	13.183	3210.24	36.00	12840.96	
13.183	13.516	1758.24	24.00	4688.64	
13.516	13.746	1214.40	36.00	4857.60	
13.746	13.759	68.64	36.00	274.56	
13.759	13.969	1108.80	24.00	2956.80	
13.969	14.133	865.92	36.00	3463.68	
14.133	14.382	1314.72	24.00	3505.92	
14.382	14.414	168.96	36.00	675.84	
14.414	14.426	63.36	36.00	253.44	
14.426	14.513	225.36	24.00	600.96	BRIDGE A3113 234'
14.513	14.540	142.56	30.00	475.20	
14.540	14.542	10.56	24.00	28.16	
14.542	15.002	2428.80	24.00	6476.80	
15.002	15.030	147.84	24.00	394.24	
15.030	15.080	264.00	24.00	704.00	
15.080	15.098	95.04	24.00	253.44	
15.098	15.185	459.36	36.00	1837.44	
15.185	15.611	2249.28	24.00	5998.08	
15.611	15.720	575.52	24.00	1534.72	
15.720	15.853	702.24	60.00	4681.60	
15.853	16.038	976.80	24.00	2604.80	
16.038	16.064	137.28	24.00	366.08	
16.064	16.137	385.44	24.00	1027.84	
16.137	16.199	327.36	24.00	872.96	
16.199	16.206	36.96	24.00	98.56	
16.206	16.304	517.44	30.00	1724.80	
16.304	16.396	485.76	61.50	3319.36	
16.396	16.430	179.52	49.50	987.36	
16.430	16.498	359.04	36.00	1436.16	
16.498	16.610	591.36	54.00	3548.16	
16.610	16.746	718.08	42.00	3351.04	
				SUBTOTAL 2	79999.09

NOTE: BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.



COLD MILLING 3" OR LESS QUANTITIES - RAMPS									
LOG MILE	LOCATION	LANE LENGTH FT	LANE WIDTH FT	SHOULDER WIDTH FT	LANE AREA SF	SHOULDER AREA SF	LANE COLDMILLING SY	SHOULDER COLDMILLING SY	REMARKS
12.291	ROUTE 1 ON RAMP TO EASTBOUND ROUTE 152	1309.44	24.00	12.00	31426.56	15713.28	3491.84	1745.92	
12.291	ROUTE 152 WESTBOUND OFF RAMP TO ROUTE 1	1499.52	18.00	12.00	26991.36	17994.24	2999.04	1999.36	
13.345	ROUTE 152 EASTBOUND OFF RAMP TO BRIGHTON AVENUE	1087.68	18.00	12.00	19578.24	13052.16	2175.36	1450.24	
13.345	BRIGHTON AVENUE ON RAMP TO EASTBOUND ROUTE 152	1161.60	18.00	12.00	20908.80	13939.20	2323.20	1548.80	
13.345	ROUTE 152 WESTBOUND OFF RAMP TO BRIGHTON AVENUE	1098.24	18.00	12.00	19768.32	13178.88	2196.48	1464.32	
13.345	BRIGHTON AVENUE ON RAMP TO WESTBOUND ROUTE 152	1145.76	18.00	12.00	20623.68	13749.12	2291.52	1527.68	
TOTALS							15477.44	9736.32	
SUBTOTAL 3							25213.76		

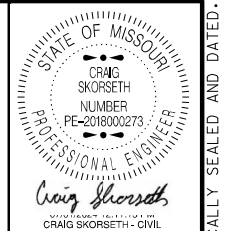
COLDMILLING 3" OR LESS SHOULDERS EASTBOUND					
EASTBOUND BEGINNING	EASTBOUND ENDING	LENGTH	MULTI SHOULDER WIDTHS	SHOULDER 0.75" MULTI SHLD. COLDMILLING SQ. YDS.	REMARKS
LOG MILE	LOG MILE	(FEET)			
12.275	12.517	1100.60	14.00	1712.04	BRIDGE A3111 193'
12.517	12.575	306.24	17.00	578.45	
12.575	13.183	3210.24	16.00	5707.09	
13.183	13.516	1758.24	18.00	3516.48	
13.516	13.746	1214.40	18.00	2428.80	
13.746	13.759	68.64	20.00	152.53	
13.759	13.969	1108.80	22.00	2710.40	
13.969	14.133	865.92	18.00	1731.84	
14.133	14.382	1314.72	22.00	3213.76	
14.382	14.414	168.96	18.00	337.92	
14.414	14.426	63.36	13.00	91.52	
14.426	14.513	225.36	17.00	425.68	BRIDGE A3113 234'
14.513	14.540	142.56	16.50	261.36	
14.540	14.542	10.56	19.00	22.29	
14.542	15.002	2428.80	20.00	5397.33	
15.002	15.030	147.84	19.00	312.11	
15.030	15.080	264.00	16.50	484.00	
15.080	15.098	95.04	15.00	158.40	
15.098	15.185	459.36	20.00	1020.80	
15.185	15.611	2249.28	20.00	4998.40	
15.611	15.720	575.52	20.00	1278.93	
15.720	15.853	702.24	18.00	1404.48	
15.853	16.038	976.80	20.00	2170.67	
16.038	16.064	137.28	16.00	244.05	
16.064	16.137	385.44	16.00	685.23	
16.137	16.199	327.36	16.00	581.97	
16.199	16.206	36.96	16.00	65.71	
16.206	16.304	517.44	12.00	689.92	
16.304	16.396	485.76	16.00	863.57	
16.396	16.430	179.52	15.00	299.20	
16.430	16.498	359.04	16.00	638.29	
16.498	16.610	591.36	5.00	328.53	
16.610	16.746	718.08	0.00	0.00	
SUBTOTAL 4				44511.75	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.

MOBILIZATION  
1 LUMP SUM

COLDMILLING 3" OR LESS SHOULDERS WESTBOUND					
WESTBOUND BEGINNING	WESTBOUND ENDING	LENGTH	MULTI SHOULDER WIDTHS	SHOULDER 0.75" MULTI SHLD. COLDMILLING SQ. YDS.	REMARKS
LOG MILE	LOG MILE	(FEET)			
12.275	12.517	1100.60	14.00	1712.04	BRIDGE A5491 193'
12.517	12.575	306.24	12.00	408.32	
12.575	13.183	3210.24	12.00	4280.32	
13.183	13.516	1758.24	14.00	2735.04	
13.516	13.746	1214.40	18.00	2428.80	
13.746	13.759	68.64	18.00	137.28	
13.759	13.969	1108.80	20.00	2464.00	
13.969	14.133	865.92	20.00	1924.27	
14.133	14.382	1314.72	22.00	3213.76	
14.382	14.414	168.96	20.00	375.47	
14.414	14.426	63.36	20.00	140.80	
14.426	14.513	225.36	16.00	400.64	BRIDGE A3113 234'
14.513	14.540	142.56	17.00	269.28	
14.540	14.542	10.56	19.00	22.29	
14.542	15.002	2428.80	20.00	5397.33	
15.002	15.030	147.84	20.00	328.53	
15.030	15.080	264.00	20.00	586.67	
15.080	15.098	95.04	20.00	211.20	
15.098	15.185	459.36	17.50	893.20	
15.185	15.611	2249.28	20.00	4998.40	
15.611	15.720	575.52	20.00	1278.93	
15.720	15.853	702.24	20.00	1560.53	
15.853	16.038	976.80	18.00	1953.60	
16.038	16.064	137.28	18.00	274.56	
16.064	16.137	385.44	19.00	813.71	
16.137	16.199	327.36	20.00	727.47	
16.199	16.206	36.96	20.00	82.13	
16.206	16.304	517.44	16.00	919.89	
16.304	16.396	485.76	16.00	863.57	
16.396	16.430	179.52	16.00	319.15	
16.430	16.498	359.04	15.00	598.40	
16.498	16.610	591.36	10.00	657.07	
16.610	16.746	718.08	10.00	797.87	
SUBTOTAL 5				43774.52	

NOTE:  
BRIDGE LENGTH HAS BEEN REMOVED FROM THE LENGTH CALCULATION OF THE LOG MILES.



DATE PREPARED  
6/26/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 3

COUNTY  
CLAY  
JOB NO.  
JKU0054  
CONTRACT ID.  
  
PROJECT NO.  
  
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MDOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.







PERMANENT STRIPING (RAMPS)					
LOG MILE	LOCATION	6" SOLID YELLOW WATERBORNE PAINT P BEADS FEET	6" SOLID WHITE WATERBORNE PAINT P BEADS FEET	24" SOLID YELLOW WATERBORNE PAINT P BEADS FEET	REMARKS
12.291	ROUTE 152 AT ROUTE 1	1051	1372	68	ROUTE 152 EASTBOUND OFF RAMP TO ROUTE 1
12.291	ROUTE 152 AT ROUTE 1	1141	1352		ROUTE 1 ON RAMP TO EASTBOUND ROUTE 152
12.291	ROUTE 152 AT ROUTE 1	1195	1589		ROUTE 152 WESTBOUND OFF RAMP TO ROUTE 1
12.291	ROUTE 152 AT ROUTE 1	546	1074		ROUTE 1 ON RAMP TO WESTBOUND ROUTE 152
13.345	ROUTE 152 AT BRIGHTON AVENUE	835	1385		ROUTE 152 EASTBOUND OFF RAMP TO BRIGHTON AVENUE
13.345	ROUTE 152 AT BRIGHTON AVENUE	874	1355		BRIGHTON AVENUE ON RAMP TO EASTBOUND ROUTE 152
13.345	ROUTE 152 AT BRIGHTON AVENUE	890	1391		ROUTE 152 WESTBOUND OFF RAMP TO BRIGHTON AVENUE
13.345	ROUTE 152 AT BRIGHTON AVENUE	941	1263		BRIGHTON AVENUE ON RAMP TO WESTBOUND ROUTE 152
14.097	NB I-435 TO WB ROUTE 152	1643	1643		RAMP ON NB I-435 TO WB ROUTE 152
	<b>SUBTOTAL 3</b>	9116	12,424	68	

NOTE:

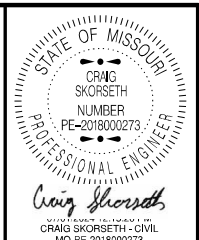
THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

PERMANENT STRIPING (SIDEROADS)						
LOG MILE	LOCATION	4" SOLID WHITE WATERBORNE PAINT P BEADS FEET	4" INTERMITTENT WHITE WATERBORNE PAINT P BEADS FEET	24" SOLID WHITE WATERBORNE PAINT P BEADS FEET	4" SOLID YELLOW WATERBORNE PAINT P BEADS FEET	REMARKS
13.345	ROUTE 152 AT BRIGHTON AVENUE	235				LANE LINE, NORTHBOUND LANE, SOUTH OF EASTBOUND ON-OFF RAMP
13.345	ROUTE 152 AT BRIGHTON AVENUE		60			INTERMITTENT, NORTHBOUND LANE, SOUTH OF EASTBOUND ON-OFF RAMP
13.345	ROUTE 152 AT BRIGHTON AVENUE		60			INTERMITTENT, SOUTHBOUND LANE, SOUTH OF EASTBOUND ON-OFF RAMP
13.345	ROUTE 152 AT BRIGHTON AVENUE	235				LANE LINE, SOUTHBOUND LANE, SOUTH OF EASTBOUND ON-OFF RAMP
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	142				EDGE LINE SHOULDER, NORTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY		180			INTERMITTENT, NORTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	190				LEFT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	108				THROUGH LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY		150			INTERMITTENT, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY		40			INTERMITTENT, SOUTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY		50			INTERMITTENT, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	195				LEFT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	195				THROUGH LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	350				EDGE LINE SHOULDER, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY			36		24" WHITE BARS ON SHOULDER, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE		20			INTERMITTENT, NORTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	55				LEFT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	55				THROUGH LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	25				RIGHT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE		20			INTERMITTENT, SOUTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	66				LEFT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	66				LEFT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	37				RIGHT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD		20			INTERMITTENT, NORTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	26				LEFT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	26				THROUGH LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD		10			INTERMITTENT, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	26				RIGHT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD		20			INTERMITTENT, SOUTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	64				LEFT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD		20			INTERMITTENT, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	64				RIGHT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD		15			INTERMITTENT, NORTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	45				LEFT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	45				LEFT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	45				RIGHT TURN LANE, SOUTHBOUND LANE, NORTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD		15			INTERMITTENT, SOUTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD				20	DIVIDES NORTH-SOUTH BOUND LANES, SOUTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD				20	DIVIDES NORTH-SOUTH BOUND LANES, SOUTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	20				LEFT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	20				RIGHT TURN LANE, NORTHBOUND LANE, SOUTH SIDE OF INTERSECTION
	<b>SUBTOTAL 4</b>	2335	680	36	40	

NOTE:

THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

QUANTITY SHEET  
SHEET 10 OF 17



DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

**PERMANENT STRIPING ROUTE 152 TOTALS**

	6" SOLID YEL. WATERBORNE PAINT L BEADS	6" SOLID WH. WATERBORNE PAINT L BEADS	6" INTERMITTENT WHITE CENTER LINE WATERBORNE PAINT L BEADS	6" INTERMITTENT 2' DOTTED WHITE LANE LINES WATERBORNE PAINT L BEADS	12" INTERMITTENT 3' DOTTED WHITE LANE LINES WATERBORNE PAINT L BEADS	12" SOLID WH. WATERBORNE PAINT L BEADS	8" SOLID WH. WATERBORNE PAINT P BEADS	4" SOLID WH. WATERBORNE PAINT P BEADS	4" INTERMITTENT WHITE WATERBORNE PAINT P BEADS	4" SOLID YEL. WATERBORNE PAINT P BEADS	24" SOLID YEL. WATERBORNE PAINT P BEADS	24" SOLID WH. WATERBORNE PAINT P BEADS
	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET
SUBTOTAL 1	23,037	25,837	6,446	49	1,263	2,234	684					
SUBTOTAL 2	22,984	24,544	6,332	445	1,270	2,114	725					
SUBTOTAL 3	9,116	12,424									68	
SUBTOTAL 4								2,335	680	40		36
SUBTOTAL 5				666								
<b>TOTALS</b>	<b>55,137</b>	<b></b>	<b>76,743</b>	<b></b>	<b>6,881</b>	<b>1409</b>	<b>3015</b>	<b></b>	<b>40</b>	<b>68</b>	<b>36</b>	<b></b>

**PERMANENT STRIPING (STOP BARS)**

LOG MILE	LOCATION	24" WHITE PERFORMED THERMOPLASTIC FEET	REMARKS
12.291	ROUTE 152 AT ROUTE 1	28	ROUTE 152, EASTBOUND OFF RAMP TO ROUTE 1
12.291	ROUTE 152 AT ROUTE 1	22	ROUTE 152, WESTBOUND OFF RAMP TO ROUTE 1
13.345	ROUTE 152 AT BRIGHTON AVENUE	36	SOUTH END OF BRIGHTON ROAD, NORTH BOUND LANES
13.345	ROUTE 152 AT BRIGHTON AVENUE	40	EASTBOUND ROUTE 152 OFF RAMPTO BRIGHTON ROAD
13.345	ROUTE 152 AT BRIGHTON AVENUE	54	WESTBOUND ROUTE 152 ON RAMP TO BRIGHTON ROAD
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	44	WEST SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	52	EAST SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	46	NORTH SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	36	SOUTH SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	48	WEST SIDE OF ROUTE 152 & BOOTH AVENUE INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	48	EAST SIDE OF ROUTE 152 & BOOTH AVENUE INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	50	NORTH SIDE OF ROUTE 152 & BOOTH AVENUE INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	50	SOUTH SIDE OF ROUTE 152 & BOOTH AVENUE INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	60	WEST SIDE OF ROUTE 152 & BOOTH FLINTLOCK ROAD INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	60	EAST SIDE OF ROUTE 152 & BOOTH FLINTLOCK ROAD INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	60	NORTH SIDE OF ROUTE 152 & BOOTH FLINTLOCK ROAD INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	66	SOUTH SIDE OF ROUTE 152 & BOOTH FLINTLOCK ROAD INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	60	WEST SIDE OF ROUTE 152 & CHURCH ROAD INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	60	EAST SIDE OF ROUTE 152 & CHURCH ROAD INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	72	NORTH SIDE OF ROUTE 152 & CHURCH ROAD INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	48	SOUTH SIDE OF ROUTE 152 & CHURCH ROAD INTERSECTION
16.639	EVANSTON AVENUE AT ROUTE 152	17	SOUTH BOUND LANE OF EVANSTON AVENUE
<b>TOTALS</b>		<b>1057</b>	

**PERMANENT STRIPING (MIDBLOCKS)**

LOG MILE	LOCATION	30" WHITE PERFORMED THERMOPLASTIC MIDBLOCK EACH	REMARKS
13.345	ROUTE 152 AT BRIGHTON AVENUE	11	EASTBOUND ROUTE 152 OFF RAMP
13.345	ROUTE 152 AT BRIGHTON AVENUE	9	WESTBOUND ROUTE 152 ON RAMP
13.345	ROUTE 152 AT BRIGHTON AVENUE	13	SOUTH END OF BRIGHTON ROAD
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	20	WEST SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	21	EAST SIDE OF INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	15	SOUTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	17	EAST SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	17	NORTH SIDE OF INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	17	SOUTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	21	WEST SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	20	EAST SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	19	NORTH SIDE OF INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	21	SOUTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	23	WEST SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	21	EAST SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	18	NORTH SIDE OF INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	15	SOUTH SIDE OF INTERSECTION
<b>TOTALS</b>		<b>298</b>	

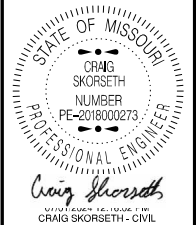
**PERMANENT STRIPING (TURN ARROWS)**

LOG MILE	LOCATION	PERFORMED THERMOPLASTIC LEFT TURN ARROW EACH	PERFORMED THERMOPLASTIC RIGHT TURN ARROW EACH	PERFORMED THERMOPLASTIC LEFT/RIGHT FISH HOOK ARROW EACH	REMARKS
12.291	ROUTE 152 AT ROUTE 1	1	1		ROUTE 152, EASTBOUND OFF RAMP TO ROUTE 1
12.291	ROUTE 152 AT ROUTE 1	2	3		ROUTE 152, WESTBOUND OFF RAMP TO ROUTE 1
13.345	ROUTE 152 AT BRIGHTON AVENUE		2		SOUTH END OF BRIGHTON ROAD, NORTH BOUND LANES
13.345	ROUTE 152 AT BRIGHTON AVENUE	1		1	EASTBOUND ROUTE 152 OFF RAMPTO BRIGHTON ROAD
13.345	ROUTE 152 AT BRIGHTON AVENUE	1		1	WESTBOUND ROUTE 152 ON RAMP TO BRIGHTON ROAD
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	2	2		WEST SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	2	2		EAST SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	2			NORTH SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.107	ROUTE 152 AT SHOAL CREEK PARKWAY	3			SOUTH SIDE OF ROUTE 152 & SHOAL CREEK INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	4	2		WEST SIDE OF ROUTE 152 & BOOTH AVENUE INTERSECTION
15.704	ROUTE 152 AT BOOTH AVENUE	4	2		EAST SIDE OF ROUTE 152 & BOOTH AVENUE INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	6	3		WEST SIDE OF ROUTE 152 & BOOTH FLINTLOCK ROAD INTERSECTION
16.317	ROUTE 152 AT FLINTLOCK ROAD	4	2		EAST SIDE OF ROUTE 152 & BOOTH FLINTLOCK ROAD INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	4	2		WEST SIDE OF ROUTE 152 & CHURCH ROAD INTERSECTION
16.506	ROUTE 152 AT CHURCH ROAD	4	2		EAST SIDE OF ROUTE 152 & CHURCH ROAD INTERSECTION
<b>SUBTOTALS</b>		<b>40</b>	<b>23</b>	<b>2</b>	
<b>TOTALS</b>		<b>63</b>	<b>2</b>	<b>2</b>	

NOTE:

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QUANTITY SHEET  
SHEET 11 OF 17



DATE PREPARED  
**6/26/2024**  
ROUTE **152** STATE **MO**  
DISTRICT **KC** SHEET NO. **3**  
COUNTY **CLAY**  
JOB NO. **JKU0054**  
CONTRACT ID.

PROJECT NO.	BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

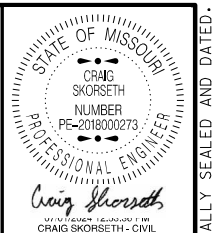
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

DESCRIPTION

DATE

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DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

PAVEMENT REPAIR - FULL DEPTH										
LOG MILE	LOCATION	LENGTH	WIDTH	* FULL DEPTH PAVEMENT REPAIR (SQ. YD.)	DOWEL BARS EACH	TIE BARS EACH	DOWEL BAR W/BASKETS EACH	SAW CUTS L.F.	MIN. AGGR. TYPE 1 OR 5 S.Y.	SUBGRADE COMP S.Y.
13.226	EAST BOUND LANE, DRIVING LANE	6	12	8.0	20			30	0.80	0.80
13.226	EAST BOUND LANE, PASSING LANE	6	12	8.0	20			36	0.80	0.80
13.395	EAST BOUND LANE, DRIVING LANE	6	12	8.0	20			30	0.80	0.80
13.395	EAST BOUND LANE, PASSING LANE	6	12	8.0	20			36	0.80	0.80
13.539	WEST BOUND LANE, DRIVING LANE	20	12	26.7	20	6	12	100	2.70	2.70
13.549	WEST BOUND LANE, PASSING LANE	40	12	53.3	20	13	24	176	5.30	5.30
14.166	WEST BOUND LANE, PASSING LANE	70	12	93.3	20	23	48	296	9.30	9.30
14.735	EAST BOUND LANE, PASSING LANE	10	12	13.3	20			56	1.30	1.30
14.982	WEST BOUND LANE, DRIVING LANE	45	12	60.0	20	15	24	198	6.00	6.00
16.317	FLINTLOCK ROAD INTERSECTION	75	12	100.0	20	25	48	318	10.00	10.00
TOTALS				378.6	200	82	156	1276	37.8	37.8
PLUS 10% FOR ADDITIONAL				37.9	20	8.2	15.6	127.6	3.8	3.8
TOTALS				416.5	220	90.2	171.6	1403.6	41.6	41.6
PAY TOTALS				416.5	220	91	172	1404	42	42

INTERMITTANT DOTTED LINE EXTENSIONS THROUGH INTERSECTIONS				
LOCATION	DIRECTION	6" INTERMITTENT 2' DOTTED WHITE LINES WITH 4' GAPS WATERBORNE PAINT P BEADS FEET	REMARKS	
INTERSECTION OF MO152 & BOOTH AVE.	NORTHBOUND LANES	58	SEE PECIAL SHEET FOR DETAILS	
	EASTBOUND LANES	52		
	SOUTHBOUND LANES	52		
INTERSECTION OF MO152 & FLINTLOCK RD	WESTBOUND LANES	56	SEE PECIAL SHEET FOR DETAILS	
	NORTHBOUND LANES	64		
	EASTBOUND LANES	50		
INTERSECTION OF MO152 & CHIRCH RD.	SOUTHBOUND LANES	74	SEE PECIAL SHEET FOR DETAILS	
	WESTBOUND LANES	46		
	NORTHBOUND LANES	66		
		EASTBOUND LANES	42	SEE PECIAL SHEET FOR DETAILS
		SOUTHBOUND LANES	64	
		WESTBOUND LANES	42	
		SUBTOTAL 5	666	

NOTES:

SUBGRADE COMPACTION IS ESTIMATED AT 10% OF THE FULL DEPTH PAVEMENT REPAIR.

TYPE 5 AGGREGATE FOR THE BASE IS ESTIMATED AT 10% OF THE FULL DEPTH PAVEMENT REPAIR.

\* FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR.

CLASS B PARTIAL DEPTH PAVEMENT REPAIR QUANTITIES								
LOG MILE	LOCATION	LENGTH OF REPAIR (FEET)	AVERAGE WIDTH OF WIDTH (FEET)	DEPTH OF REPAIR (INCHES)	AREA SQ. YARDS (SQ. YARDS)	FURNISHING & PLACING BITUMINOUS MATERIAL FOR PARTIAL DEPTH PAVEMENT REPAIR TONS	REMOVAL FOR CLASS C PAVEMENT REPAIR SQ. YDS.	TACK GAL
12.779	EAST BOUND LANE, PASSING LANE	7	5	2 INCHES	3.89	0.43	3.9	0.4
12.852	EAST BOUND LANE, PASSING LANE	8	3	2 INCHES	2.67	0.30	2.7	0.3
13.544	EAST BOUND LANE, PASSING LANE	75	2	2 INCHES	16.67	1.85	16.7	1.7
13.560	WEST BOUND LANE, PASSING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
13.571	WEST BOUND LANE, PASSING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
13.571	WEST BOUND LANE, DRIVING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
13.671	WEST BOUND LANE, PASSING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
13.750	WEST BOUND LANE, PASSING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
13.750	WEST BOUND LANE, DRIVING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
14.882	EAST BOUND LANE, DRIVING LANE	6	12	2 INCHES	8.00	0.89	8.0	0.8
15.335	EAST BOUND LANE, PASSING LANE	6	12	2 INCHES	8.00	0.89	8.0	0.8
15.599	WEST BOUND LANE, PASSING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
15.611	WEST BOUND LANE, PASSING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
15.615	EAST BOUND LANE, DRIVING LANE	6	12	2 INCHES	8.00	0.89	8.0	0.8
15.617	WEST BOUND LANE, PASSING LANE	2	12	2 INCHES	2.67	0.30	2.7	0.3
15.635	EAST BOUND LANE, DRIVING LANE	6	12	2 INCHES	8.00	0.89	8.0	0.8
TOTAL						8.84	79.6	8.3
ADDITIONAL 10%						0.88	8.0	0.8
TOTAL						9.72	87.6	* 9.1
PAY TOTAL						9.7	87.6	

NOTE:

\* PAYMENT FOR TACK IS INCIDENTAL TO THE PAY ITEM FOR FURNISHING AND PLACING BITUMINOUS MATERIAL FOR PARTIAL DEPTH PAVEMENT REPAIR.

DESCRIPTION

DATE

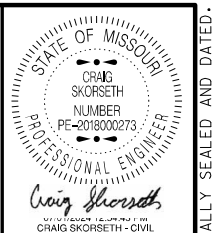
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-278-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DATE PREPARED  
6/26/2024


ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EAST BOUND 4" PERMANENT AGGREGATE EDGE TREATMENT (OUTSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
12.312	12.538	0.226	1193.28	2	265.17	58.33	OUTSIDE SHOULDER
12.581	13.137	0.556	2935.68	2	652.37	143.52	OUTSIDE SHOULDER
13.185	13.334	0.149	786.72	2	174.83	38.46	OUTSIDE SHOULDER
13.358	13.505	0.147	776.16	2	172.48	37.95	OUTSIDE SHOULDER
13.558	13.737	0.179	945.12	2	210.03	46.21	OUTSIDE SHOULDER
13.765	13.950	0.185	976.80	2	217.07	47.76	OUTSIDE SHOULDER
13.974	14.123	0.149	786.72	2	174.83	38.46	OUTSIDE SHOULDER
14.151	14.359	0.208	1098.24	2	244.05	53.69	OUTSIDE SHOULDER
14.393	14.439	0.046	242.88	2	53.97	11.87	OUTSIDE SHOULDER
14.483	15.075	0.592	3125.76	2	694.61	152.81	OUTSIDE SHOULDER
SUBTOTAL 1						629.06	

NOTES:  
EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

EAST BOUND 2" PERMANENT AGGREGATE EDGE TREATMENT (OUTSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
15.124	15.682	0.558	2946.24	2	654.72	72.02	OUTSIDE SHOULDER
15.723	16.296	0.573	3025.44	2	672.32	73.96	OUTSIDE SHOULDER
16.332	16.452	0.120	633.60	2	140.80	15.49	OUTSIDE SHOULDER
SUBTOTAL 2						161.47	

NOTES:  
EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

EAST BOUND 4" PERMANENT AGGREGATE EDGE TREATMENT (INSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
12.312	13.334	1.022	5396.16	2	1199.15	263.81	INSIDE SHOULDER
13.358	14.439	1.081	5707.68	2	1268.37	279.04	INSIDE SHOULDER
14.483	15.075	0.592	3125.76	2	694.61	152.81	INSIDE SHOULDER
SUBTOTAL 3						695.66	

NOTES:  
EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

EAST BOUND 2" PERMANENT AGGREGATE EDGE TREATMENT (INSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
15.124	15.685	0.561	2962.08	2	658.24	72.41	INSIDE SHOULDER
15.723	16.296	0.573	3025.44	2	672.32	73.96	INSIDE SHOULDER
16.336	16.492	0.156	823.68	2	183.04	20.13	INSIDE SHOULDER
SUBTOTAL 4						166.50	

NOTES:  
EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

WEST BOUND 4" PERMANENT AGGREGATE EDGE TREATMENT (OUTSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
12.312	12.509	0.197	1040.16	2	231.15	50.85	OUTSIDE SHOULDER
12.555	13.150	0.595	3141.60	2	698.13	153.59	OUTSIDE SHOULDER
13.169	13.334	0.165	871.20	2	193.60	42.59	OUTSIDE SHOULDER
13.358	13.519	0.161	850.08	2	188.91	41.56	OUTSIDE SHOULDER
13.545	13.749	0.204	1077.12	2	239.36	52.66	OUTSIDE SHOULDER
13.768	13.951	0.183	966.24	2	214.72	47.24	OUTSIDE SHOULDER
13.975	14.125	0.150	792.00	2	176.00	38.72	OUTSIDE SHOULDER
14.150	14.369	0.219	1156.32	2	256.96	56.53	OUTSIDE SHOULDER
14.404	14.450	0.046	242.88	2	53.97	11.87	OUTSIDE SHOULDER
14.494	15.075	0.581	3067.68	2	681.71	149.98	OUTSIDE SHOULDER
						SUBTOTAL 5	645.59

NOTES:

EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

WEST BOUND 4" PERMANENT AGGREGATE EDGE TREATMENT (INSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
12.312	13.334	1.022	5396.16	2	1199.15	263.81	INSIDE SHOULDER
13.358	14.450	1.092	5765.76	2	1281.28	281.88	INSIDE SHOULDER
14.494	15.075	0.581	3067.68	2	681.71	149.98	INSIDE SHOULDER
						SUBTOTAL 7	695.67

NOTES:

EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

RAMPS 4" PERMANENT AGGREGATE EDGE TREATMENT										
BEGINNING LOG MI +/-	ENDING LOG MI +/-	LOCATION	NET LENGTH MI	NET LENGTH FT	AVERAGE WIDTH FT	OUTSIDE SHOULDER AREA SQ YD	INSIDE SHOULDER AREA SQ YD	PERM. AGGR. OUTSIDE SHLDR TONS	PERM. AGGR. INSIDE SHLDR TONS	COMMENTS
0.030	0.278	RP MO1 TO EB MO152	0.248	1309.44	2.00	290.99	290.99	64.02	64.02	RAMP LOG MILES
0.000	0.284	RP WB MO152 TO MO1	0.284	1499.52	2.00	333.23	333.23	73.31	73.31	RAMP LOG MILES
0.000	0.191	RP EB MO152 TO BRIGHTON	0.191	1008.48	2.00	224.11	224.11	49.30	49.30	RAMP LOG MILES
0.015	0.226	RP BRIGHTON TO EB MO152	0.211	1114.08	2.00	247.57	247.57	54.47	54.47	RAMP LOG MILES
0.000	0.208	RP WB MO152 TO BRIGHTON	0.208	1098.24	2.00	244.05	244.05	53.69	53.69	RAMP LOG MILES
0.016	0.217	RP BRIGHTON TO WB MO152	0.201	1061.28	2.00	235.84	235.84	51.88	51.88	RAMP LOG MILES
							SUBTOTAL	346.67	346.67	
							SUBTOTAL 9	693.34	693.34	BOTH SHOULDERS

NOTES:

EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

WEST BOUND 2" PERMANENT AGGREGATE EDGE TREATMENT (OUTSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
15.124	15.681	0.557	2940.96	2	653.55	71.89	OUTSIDE SHOULDER
15.726	16.299	0.573	3025.44	2	672.32	73.96	OUTSIDE SHOULDER
16.335	16.492	0.157	828.96	2	184.21	20.26	OUTSIDE SHOULDER
16.526	16.629	0.103	543.84	2	120.85	13.29	OUTSIDE SHOULDER
						SUBTOTAL 6	179.40

NOTES:

EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

WEST BOUND 2" PERMANENT AGGREGATE EDGE TREATMENT (INSIDE SHOULDER)							
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	AVERAGE WIDTH FEET	SQUARE YARDS	QUANTITY TONS	REMARKS
15.124	15.685	0.561	2962.08	2	658.24	72.41	INSIDE SHOULDER
15.719	16.292	0.573	3025.44	2	672.32	73.96	INSIDE SHOULDER
16.333	16.492	0.159	839.52	2	186.56	20.52	INSIDE SHOULDER
						SUBTOTAL 8	166.89

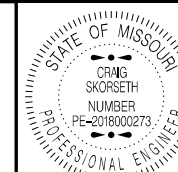
NOTES:

EDGE DROP OFF TREATMENT 0.055 TONS PER SQ. YARD COMPACTED, PER INCH.

EAST & WEST BOUND PERMANENT AGGREGATE EDGE TREATMENT QUANTITY TOTALS		
QUANTITY TONS	REMARKS	
EAST BOUND SUBTOTAL 1	629.06	EAST BOUND OUTSIDE SHOULDER, 4 INCHES
EAST BOUND SUBTOTAL 2	161.47	EAST BOUND OUTSIDE SHOULDER, 2 INCHES
EAST BOUND SUBTOTAL 3	695.66	EAST BOUND INSIDE SHOULDER, 4 INCHES
EAST BOUND SUBTOTAL 4	166.50	EAST BOUND INSIDE SHOULDER, 2 INCHES
WEST BOUND SUBTOTAL 5	645.59	WEST BOUND OUTSIDE SHOULDER, 4 INCHES
WEST BOUND SUBTOTAL 6	179.40	WEST BOUND OUTSIDE SHOULDER, 2 INCHES
WEST BOUND SUBTOTAL 7	695.67	WEST BOUND INSIDE SHOULDER, 4 INCHES
WEST BOUND SUBTOTAL 8	166.89	WEST BOUND INSIDE SHOULDER, 2 INCHES
WEST BOUND SUBTOTAL 9	693.34	RAMP SHOULDERS, 4 INCHES

TOTAL	4033.58
PAY TOTAL	4033.6

QUANTITY SHEET  
SHEET 14 OF 17



*Craig Skorseth*  
CRAG SKORSETH - CIVIL  
MO-PE-2018000273

DATE PREPARED  
6/26/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 3

COUNTY  
CLAY  
JOB NO.  
JKU0054  
CONTRACT ID.

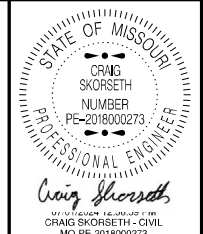
PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-278-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DATE PREPARED  
6/26/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3  
COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SHOULDER RUMBLE STRIPS QUANTITIES EAST BOUND OUTSIDE SHOULDER					
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	RUMBLE STRIP STATIONS	REMARKS
12.312	12.556	0.244	1288.00	12.9	OUTSIDE SHOULDER
12.599	13.131	0.532	2808.96	28.1	OUTSIDE SHOULDER
13.184	13.334	0.150	792.00	7.9	OUTSIDE SHOULDER
13.358	13.505	0.147	776.16	7.8	OUTSIDE SHOULDER
13.575	13.709	0.134	707.52	7.1	OUTSIDE SHOULDER
13.762	13.949	0.157	828.96	8.3	OUTSIDE SHOULDER
13.988	14.116	0.128	675.84	6.8	OUTSIDE SHOULDER
14.156	14.365	0.209	1103.52	11.0	OUTSIDE SHOULDER
14.403	14.439	0.036	190.08	1.9	OUTSIDE SHOULDER
14.483	15.031	0.548	2893.44	28.9	OUTSIDE SHOULDER
15.132	15.583	0.451	2381.28	23.8	OUTSIDE SHOULDER
15.730	16.160	0.430	2270.40	22.7	OUTSIDE SHOULDER
SUBTOTAL 1			167.2		

SHOULDER RUMBLE STRIPS QUANTITIES WEST BOUND OUTSIDE SHOULDER					
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	RUMBLE STRIP STATIONS	REMARKS
12.312	12.520	0.208	1098.24	11.0	OUTSIDE SHOULDER
12.559	13.126	0.567	2993.76	29.9	OUTSIDE SHOULDER
13.163	13.334	0.171	902.88	9.0	OUTSIDE SHOULDER
13.358	13.514	0.156	823.68	8.2	OUTSIDE SHOULDER
13.569	13.727	0.158	834.24	8.3	OUTSIDE SHOULDER
13.763	13.950	0.187	987.36	9.9	OUTSIDE SHOULDER
13.977	14.114	0.137	723.36	7.2	OUTSIDE SHOULDER
14.146	14.372	0.226	1193.28	11.9	OUTSIDE SHOULDER
14.403	14.450	0.047	248.16	2.5	OUTSIDE SHOULDER
14.494	15.093	0.599	3162.72	31.6	OUTSIDE SHOULDER
15.188	15.680	0.492	2597.76	26.0	OUTSIDE SHOULDER
15.809	16.138	0.329	1737.12	17.4	OUTSIDE SHOULDER
SUBTOTAL 3			172.9		

SHOULDER RUMBLE STRIPS QUANTITIES EAST BOUND INSIDE SHOULDER					
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	RUMBLE STRIP STATIONS	REMARKS
12.312	13.334	1.022	5396.16	54.0	INSIDE SHOULDER
13.358	14.439	1.081	5707.68	57.1	INSIDE SHOULDER
14.483	15.009	0.526	2777.28	27.8	INSIDE SHOULDER
15.132	15.548	0.416	2196.48	22.0	INSIDE SHOULDER
15.730	16.160	0.430	2270.40	22.7	INSIDE SHOULDER
SUBTOTAL 2			183.6		

SHOULDER RUMBLE STRIPS QUANTITIES WEST BOUND INSIDE SHOULDER					
LOG MILE	LOG MILE	NET LENGTH MILES	NET LENGTH FEET	RUMBLE STRIP STATIONS	REMARKS
12.312	13.334	1.022	5396.16	54.0	INSIDE SHOULDER
13.358	14.450	1.092	5765.76	57.7	INSIDE SHOULDER
14.494	15.093	0.599	3162.72	31.6	INSIDE SHOULDER
15.212	15.685	0.473	2497.44	25.0	INSIDE SHOULDER
15.848	16.138	0.290	1531.20	15.3	INSIDE SHOULDER
SUBTOTAL 4			183.6		

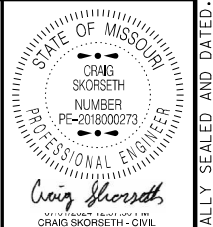
SHOULDER RUMBLE STRIPS QUANTITIES EAST & WEST BOUND QUANTITY TOTALS		
	RUMBLE STRIP STATIONS	REMARKS
EAST BOUND SUBTOTAL 1	167.2	EAST BOUND OUTSIDE SHOULDER
EAST BOUND SUBTOTAL 2	183.6	EAST BOUND INSIDE SHOULDER
WEST BOUND SUBTOTAL 3	172.9	WEST BOUND OUTSIDE SHOULDER
WEST BOUND SUBTOTAL 4	183.6	WEST BOUND INSIDE SHOULDER
PAY TOTAL		707.3

MODIFIED COLDMILLING (DEPTH TRANSITIONS)					
BEGINNING LOG MILE +/-	LENGTH LF	LOCATION	WIDTH LF	MOD. COLDMILLING SQ. YDS.	REMARKS
12.322	150.00	EB, A5491, EAST END	40.00	666.67	BEGIN PROJECT, M01
13.297	150.00	EB, A3112, WEST END	40.00	666.67	BR. OVER BRIGHTON AVE
13.367	150.00	EB, A3112, EAST END	40.00	666.67	BR. OVER BRIGHTON AVE
14.403	150.00	EB, A3113, WEST END	48.00	800.00	BR. OVER SHOAL CREEK
14.493	150.00	EB, A3113, EAST END	48.00	800.00	BR. OVER SHOAL CREEK
2.458	150.00	WB, A3113, WEST END	48.00	800.00	BR. OVER SHOAL CREEK
2.368	150.00	WB, A3113, EAST END	48.00	800.00	BR. OVER SHOAL CREEK
3.578	150.00	WB, A5402, WEST END	40.00	666.67	BR. OVER BRIGHTON AVE
3.508	150.00	WB, A5402, EAST END	40.00	666.67	BR. OVER BRIGHTON AVE
4.550	150.00	WB, A3111, EAST END	40.00	666.67	END PROJECT M01
0.030	150.00	RP M01 TO EB M0152	24.00	400.00	RAMP LOG MI
0.256	150.00	RP WB M0152 TO M01	18.00	300.00	RAMP LOG MI
0.163	150.00	RP EB M0152 TO BRIGHTON	18.00	300.00	RAMP LOG MI
0.015	150.00	RP BRIGHTON TO EB M0152	18.00	300.00	RAMP LOG MI
0.180	150.00	RP WB M0152 TO BRIGHTON	18.00	300.00	RAMP LOG MI
0.016	150.00	RP BRIGHTON TO WB M0152	18.00	300.00	RAMP LOG MI
0.030	150.00	RP EB M0152 TO SB I-435	28.00	466.67	RAMP LOG MI
0.281	150.00	RP SB I-435 TO EB M0152	28.00	466.67	RAMP LOG MI
0.040	150.00	RP EB M0152 TO NB I-435	28.00	466.67	RAMP LOG MI
0.466	150.00	RP NB I-435 TO EB M0152	28.00	466.67	RAMP LOG MI
0.028	150.00	RP WB M0152 TO NB I-435	28.00	466.67	RAMP LOG MI
0.301	150.00	RP NB I-435 TO WB M0152	28.00	466.67	RAMP LOG MI
0.034	150.00	RP WB M0152 TO SB I-435	28.00	466.67	RAMP LOG MI
0.460	150.00	RP SB I-435 TO WB M0152	28.00	466.67	RAMP LOG MI
TOTAL				12833.38	
PAY TOTAL				12833	

OPTIONAL TRAFFIC DETECTOR			
LOG MI +/-	LOCATION	OPTIONAL TRAFFIC DETECTOR EA	COMMENTS
0.300	INTERSECTION OF M01 & RP WB M0152 TO M01	1.0	RAMP LOG MI
TOTAL		1.0	

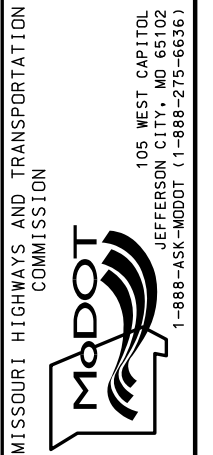
GUARDRAIL														
BEGINNING LOG MI +/-	LOCATION LF	REMOVAL GUARDRAIL LF	REMOVAL BRIDGE TRANSITION SECTION EA	REMOVAL BRIDGE ANCHOR SECTION EA	REMOVAL END ANCHOR SECTION EA	REMOVAL CRASHWORTHY END TERMINAL EA	MGS GUARDRAIL 8 FT POSTS LF	TYPE A CRASHWORTHY END TERMINAL EA	MGS BRIDGE APPROACH SECTION REGULAR EA	MGS BRIDGE APPROACH SECTION EXT. CURB EA	MGS END ANCHOR SECTION EA	SHAPING SLOPES CLASS 3 100 FT	REMARKS	
4.583	WB ROUTE 1 - RT	337	1	1		1	150	1	1			1.15	WB 152 LOG MI LE, BR. A5491	
4.583	WB ROUTE 1 - LT	337	1	1		1	225	1	1			1.15	WB 152 LOG MI LE, BR. A5491	
12.879	EB OVERHEAD SIGN PROTECTION - RT	312.5			1	1	150	1			1	0.75	EB 152 LOG MI LE	
13.13	EB OVERHEAD SIGN PROTECTION - RT	312.5			1	1	175	1			1	0.75	EB 152 LOG MI LE	
4.308	WB OVERHEAD SIGN PROTECTION - RT	312.5			1	1	137.5	1			1	0.75	WB 152 LOG MI LE	
4.061	WB OVERHEAD SIGN PROTECTION - RT	325			1	1	87.5	1			1	0.75	WB 152 LOG MI LE	
13.331	EB BRIGHTON - RT	337.5	1	1		1	150	1	1			1.15	EB 152 LOG MI LE, BR. A3112	
13.331	EB BRIGHTON - LT	337.5	1	1		1	300	1	1			0.75	EB 152 LOG MI LE, BR. A3112	
3.523	WB BRIGHTON - RT	337.5	1	1		1	150	1		1		1.15	WB 152 LOG MI LE, BR. A5402	
3.523	WB BRIGHTON - LT	337.5	1	1		1	225	1		1		1.15	WB 152 LOG MI LE, BR. A5402	
13.702	MEDIAN TRUSS PROTECTION - RT	150			1	1	150	1			1	0.75	EB 152 LOG MI LE	
14.446	EAST FORK SHOAL CREEK BR - RT	337.5	1	1		1	150	1	1			1.15	EB 152 LOG MI LE, BR. A3113	
14.446	EAST FORK SHOAL CREEK BR - LT	337.5	1	1		1	300	1	1			1.15	EB 152 LOG MI LE, BR. A3113	
2.408	EAST FORK SHOAL CREEK BR - LT	337.5	1	1		1	287.5	1	1			1.15	WB 152 LOG MI LE, BR. A3113	
2.408	EAST FORK SHOAL CREEK BR - RT	337.5	1	1		1	225	1	1			1.15	WB 152 LOG MI LE, BR. A3113	
TOTAL		4786.5	10	10	5	15	2862.5	15	8	2	5	14.85		
PAY TOTAL		ONE LUMP SUM *						2862	15	8	2	5	15	

\* PAID UNDER REMOVAL OF IMPROVEMENTS



DATE PREPARED  
6/26/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3  
COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

Table with 10 columns: SIGN, SIZE IN., AREA SQ.FT., QTY EACH, TOTAL AREA SQ.FT., QTY RELOC EACH, TOTAL RELOC SQ.FT., SIGN NUM., DESCRIPTION. Contains rows for Warning Signs, Regulatory Signs, and Miscellaneous Signs.

Table with 10 columns: SIGN, SIZE IN., AREA SQ.FT., QTY EACH, TOTAL AREA SQ.FT., QTY RELOC EACH, TOTAL RELOC SQ.FT., SIGN NUM., DESCRIPTION. Contains rows for Guide Signs and Regulatory Signs.

Table with 4 columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Lists various traffic signs and materials with their respective quantities.



DATE PREPARED 6/26/2024  
ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 3  
COUNTY CLAY

JOB NO. JKU0054  
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PROJECT NO.  
BRIDGE NO.

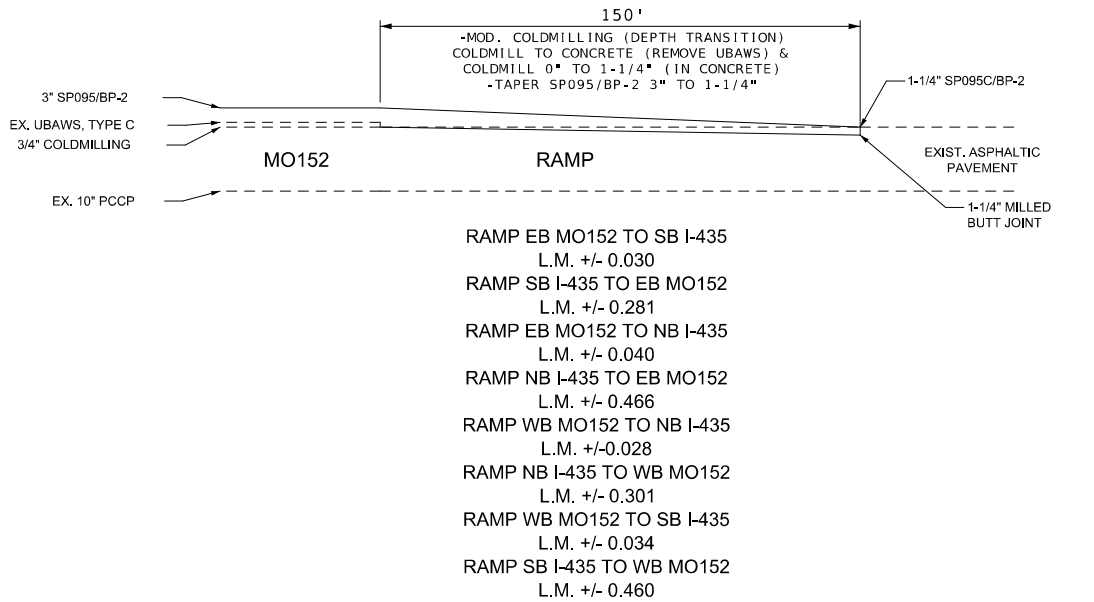
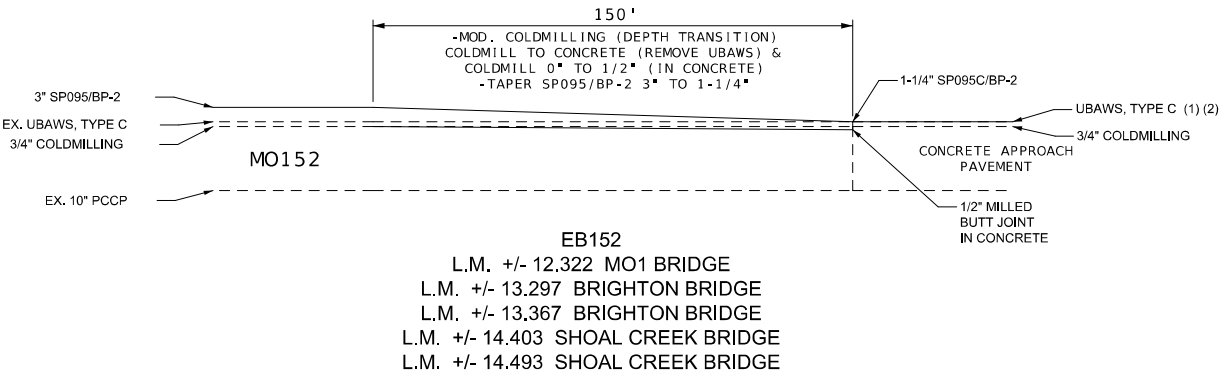
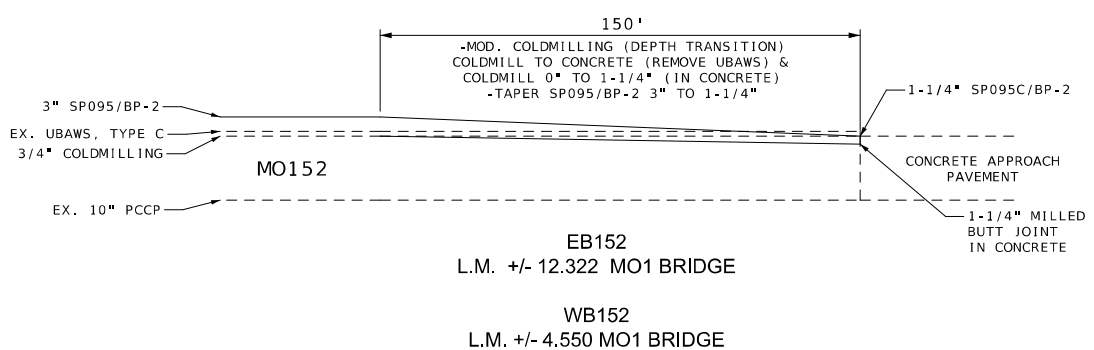
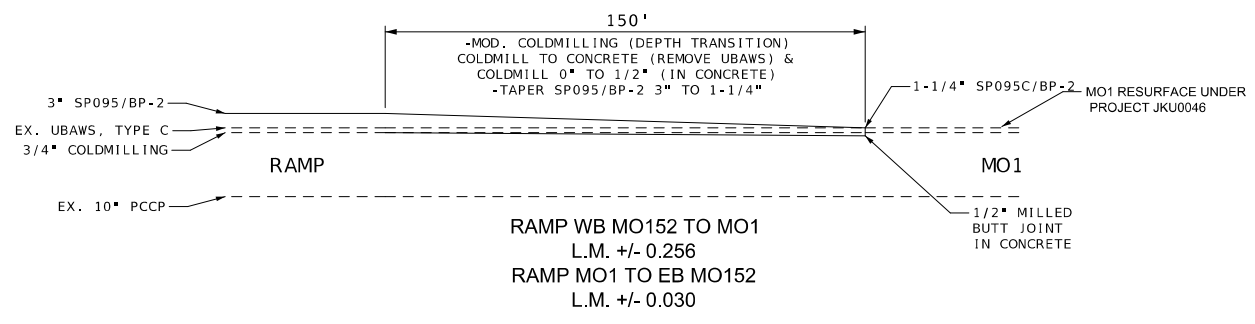
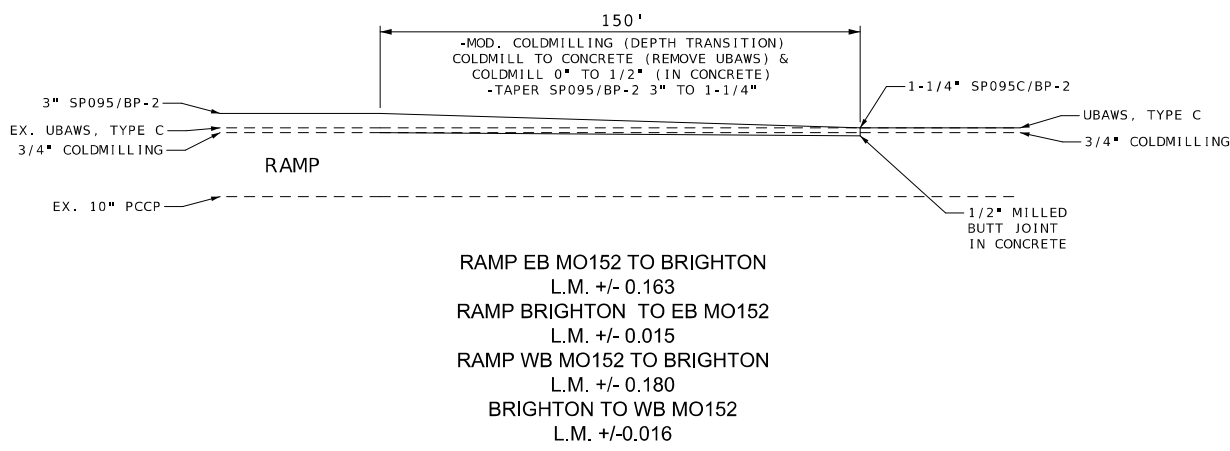
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-278-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





- (1) BRIDGES OVER BRIGHTON AVE:  
- MILL EXISTING UBAsws OFF AND FILL WITH NEW UBAsws BRIDGE DECKS, CONCRETE BRIDGE APPROACH SLABS, AND CONCRETE APPROACH PAVEMENT.
- (2) BRIDGES OVER SHOAL CREEK:  
- MILL EXISTING UBAsws OFF AND FILL WITH NEW UBAsws CONCRETE BRIDGE APPROACH SLAB AND CONCRETE APPROACH PAVEMENT

STATE OF MISSOURI  
**CRAG SKORSETH**  
NUMBER  
PE-2018000273  
PROFESSIONAL ENGINEER

DATE PREPARED  
**6/26/2024**

ROUTE <b>152</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>4</b>

COUNTY  
**CLAY**

JOB NO.  
**JKU0054**

CONTRACT ID.

PROJECT NO.

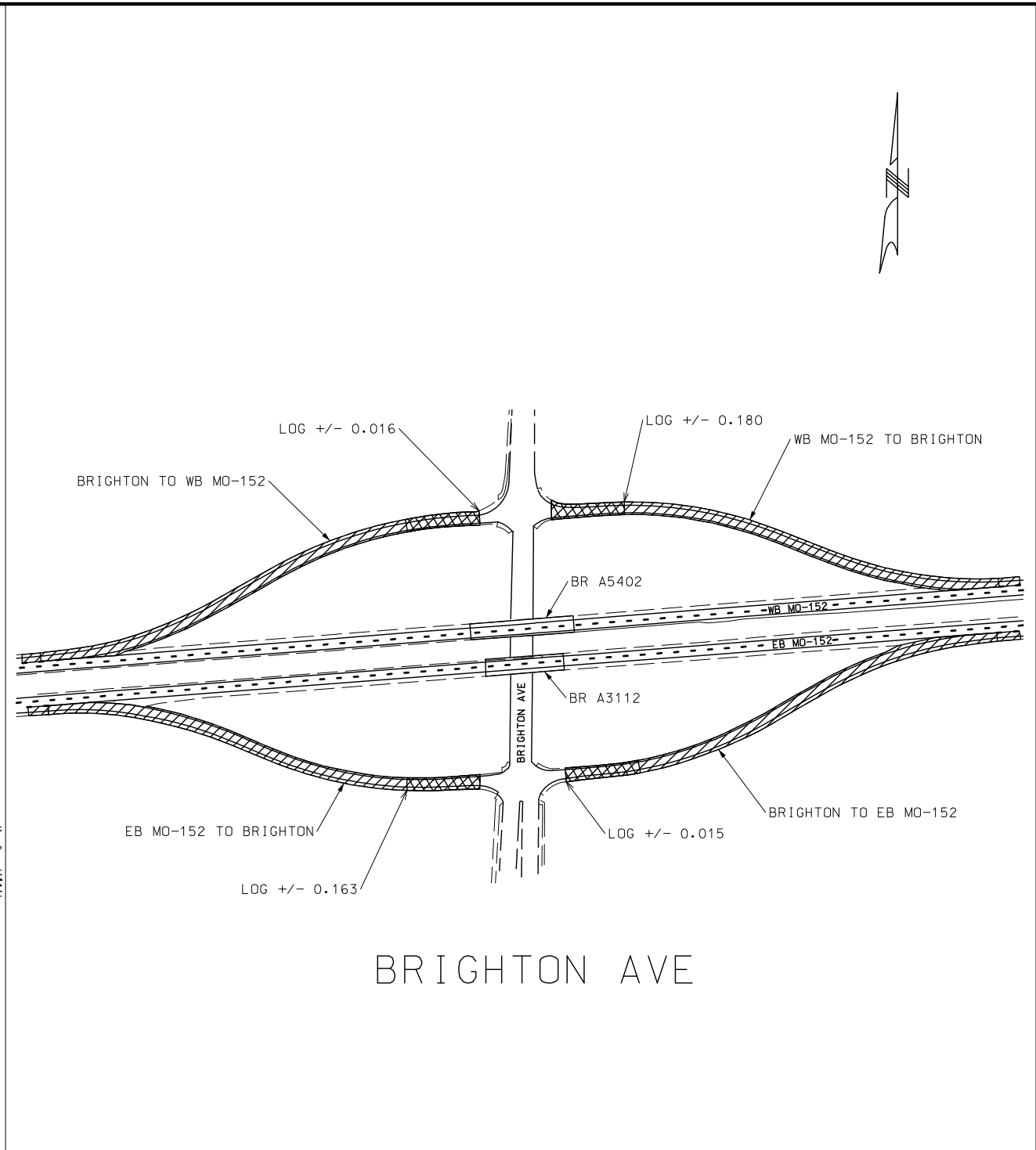
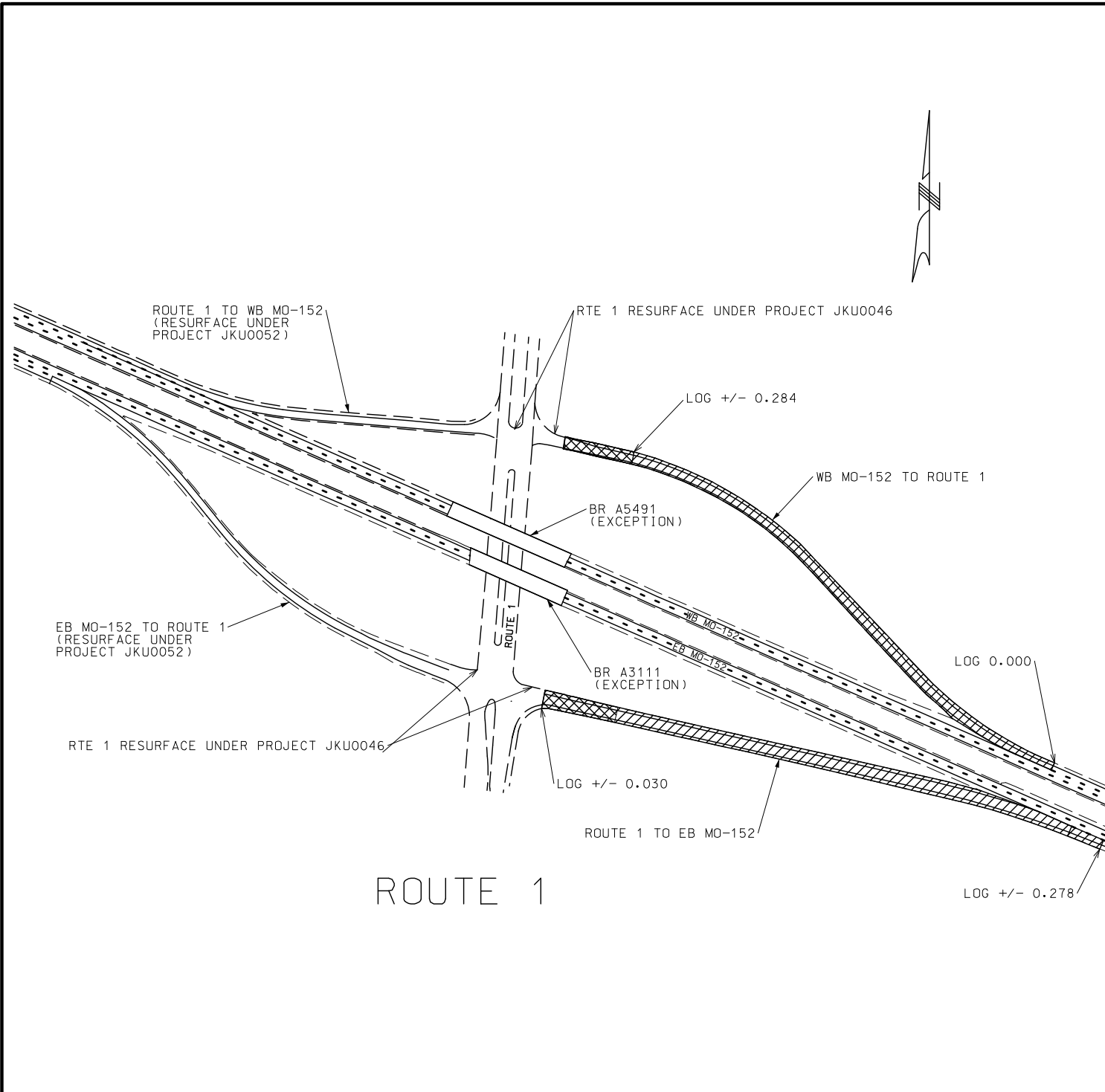
BRIDGE NO.

DESCRIPTION	DATE



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTES:  
 FOR PAVEMENT DESIGN SEE TYPICAL SECTIONS AND SUMMARY OF QUANTITIES  
 FOR DEPTH TRANSITION DETAILS SEE SPECIAL SHEET  
 DRAWINGS ARE FOR INFORMATION ONLY  
 LOG MILES BASED ON RAMP LOG MILES

 RAMP AREA TO COLDMILL AND RESURFACE WITH 2 LIFTS OF 1 1/2" LIFTS OF SP095C  
 PAVEMENT DEPTH TRANSITIONS MODIFIED COLDMILLING 150'-LONG

DRAWINGS IS NOT TO SCALE


SPECIAL SHEET  
 RAMP RESURFACING LOCATIONS  
 SHEET 2 OF 10



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 5
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

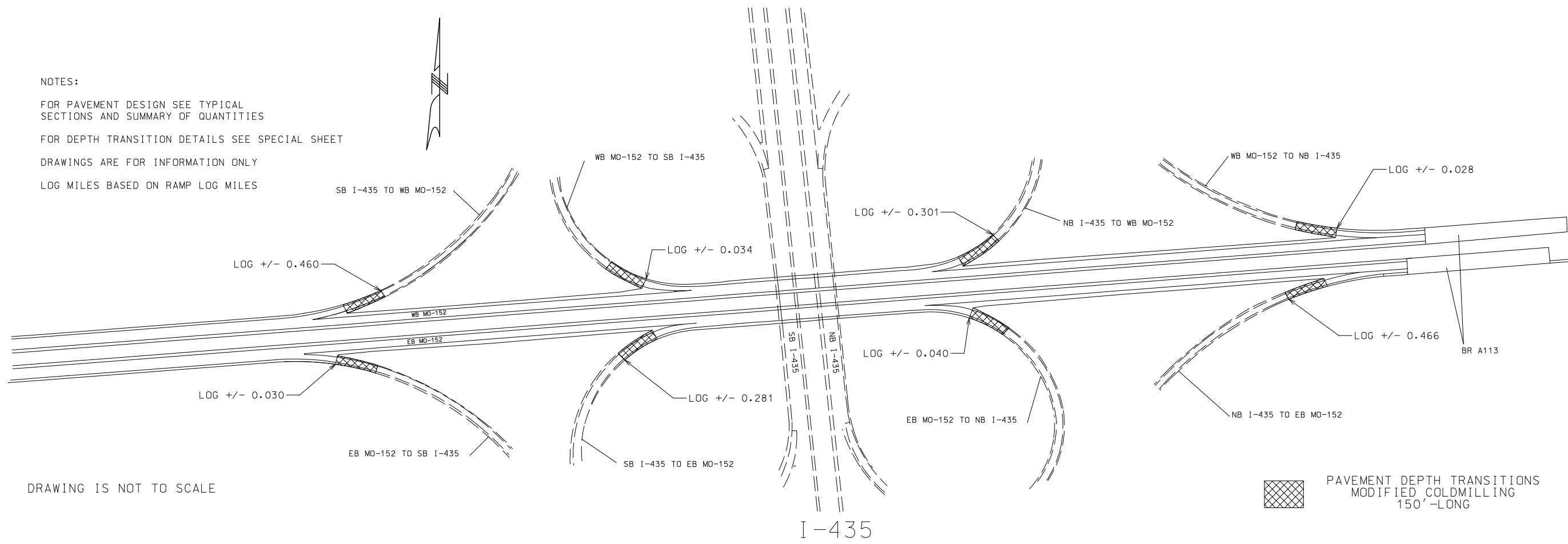
NOTES:

FOR PAVEMENT DESIGN SEE TYPICAL SECTIONS AND SUMMARY OF QUANTITIES

FOR DEPTH TRANSITION DETAILS SEE SPECIAL SHEET

DRAWINGS ARE FOR INFORMATION ONLY

LOG MILES BASED ON RAMP LOG MILES

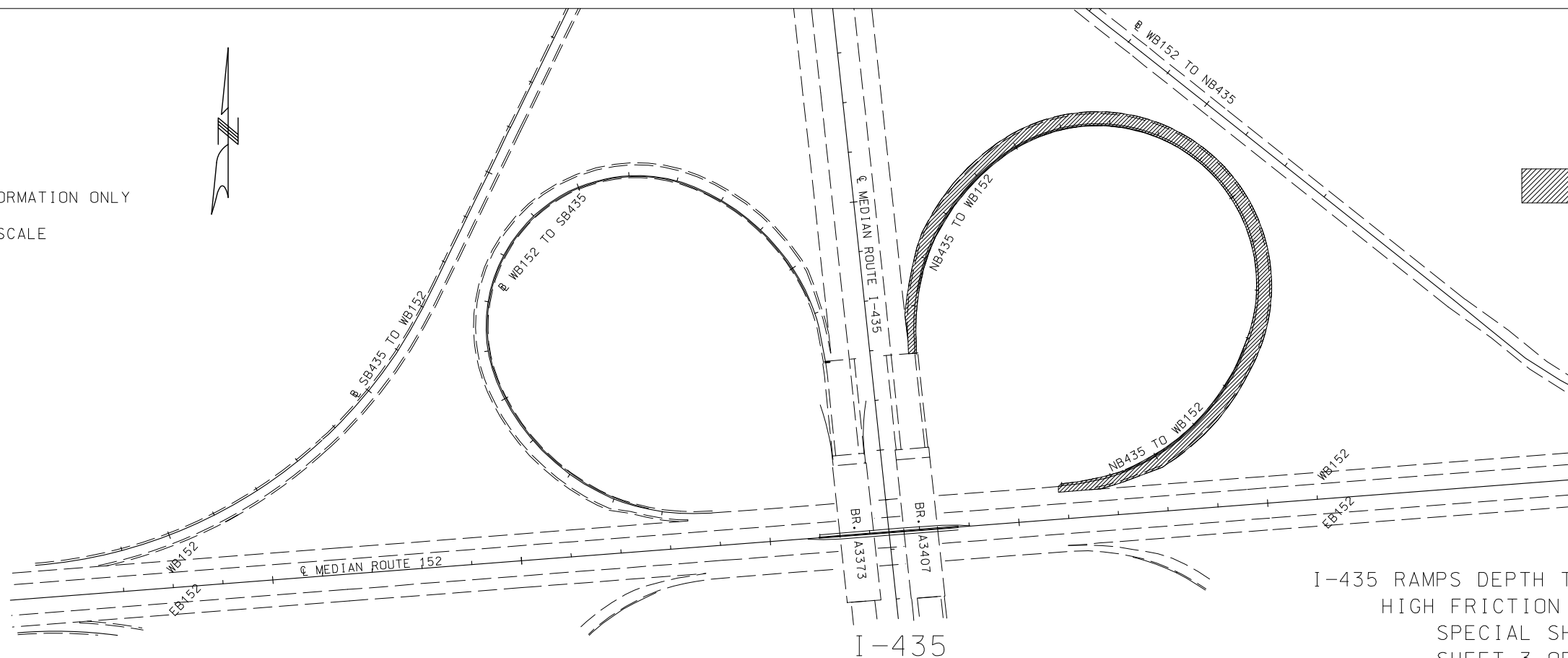


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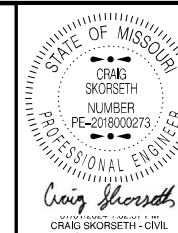
NOTES:

DRAWING IS FOR INFORMATION ONLY

DRAWING IS NOT TO SCALE



I-435 RAMPS DEPTH TRANSITIONS & HIGH FRICTION SURFACE TREATMENT  
SPECIAL SHEET  
SHEET 3 OF 10



DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 6

COUNTY CLAY

JOB NO. JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



Craig Skorseth  
PROFESSIONAL ENGINEER

DATE PREPARED  
6/26/2024

ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 7

COUNTY CLAY

JOB NO. JKU0054

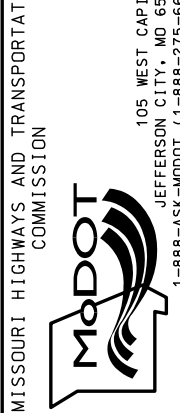
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PROJECT NO.

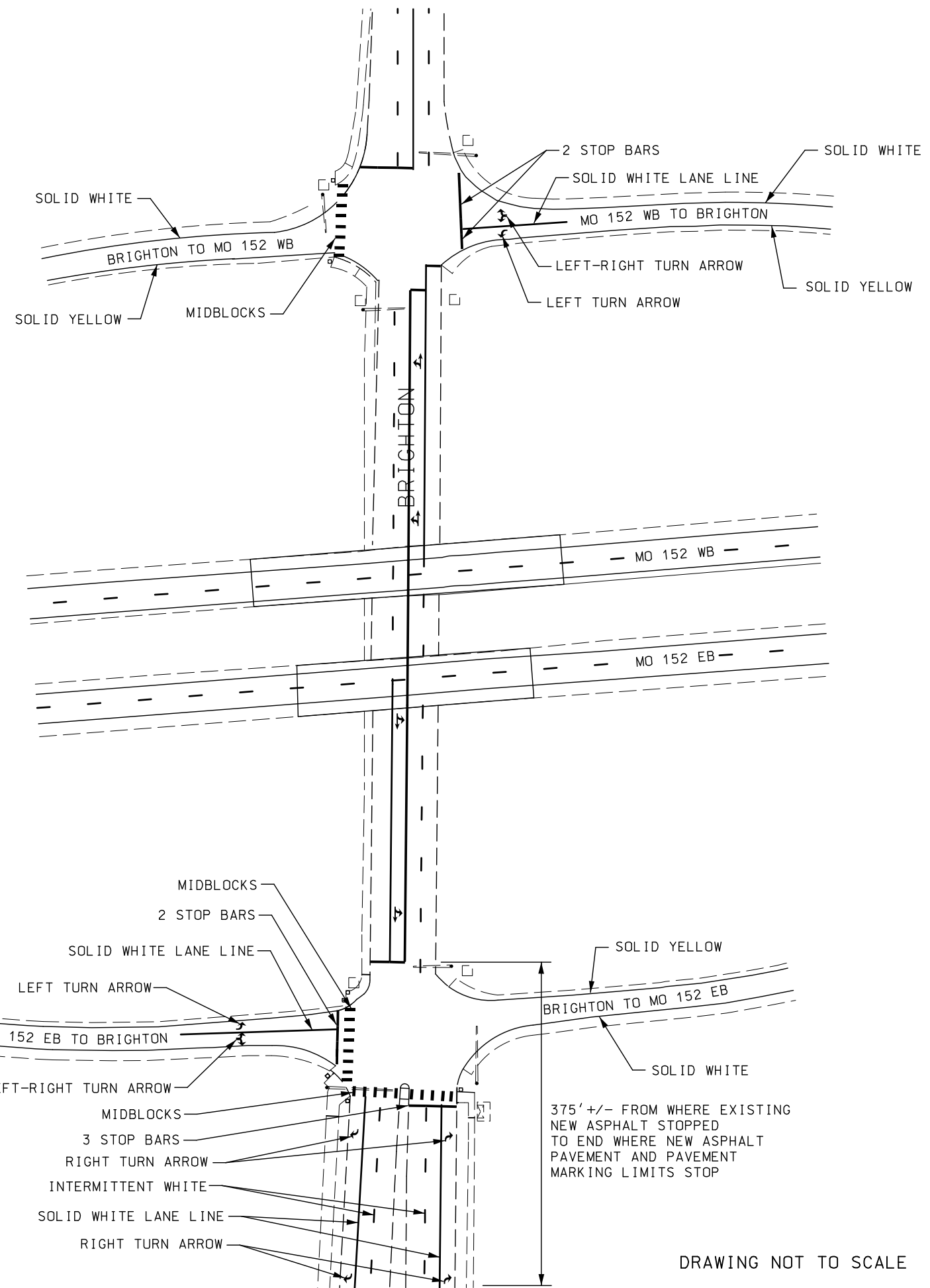
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTES:

THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

DRAWING IS FOR INFORMATION ONLY

DRAWING IS NOT TO SCALE

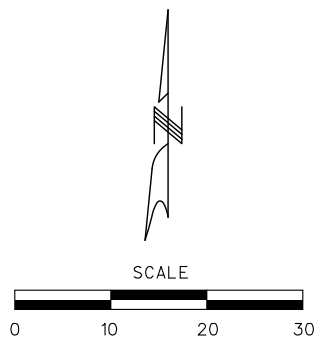
DRAWING NOT TO SCALE

SPECIAL SHEET  
BRIGHTON AVENUE AND RAMP  
ASPHALT AND PAVEMENT MARKING  
LIMITS  
SHEET 4 OF 10

The intent of this sheet is to communicate details of placing the "intersection" pavement markings (2' mark, 4' space) for turn lanes. Increasing the distance between opposing turn markings allows for "compatible" green signals and more efficient timing patterns. Note that no other types of markings are shown on these sheets.

**BOOTH AVENUE**

Distances and radii are measured to center of 6in wide stripe. Linear measures (across full intersection) are measured as shortest distance between island faces.



**MO-152**

**MO-152**

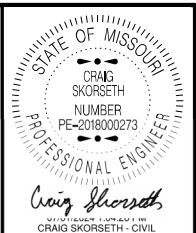
**BOOTH AVENUE**

**NOTE- SIGNAL PHASES FOR EASTBOUND LEFT AND WESTBOUND LEFT DO NOT APPEAR TO BE COMPATIBLE**

**NOTES:**

THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

SPECIAL SHEET  
BOOTH AVENUE (1 of 2)  
INTERSECTION PAVEMENT MARKING  
SHEET 5 OF 10



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 8
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

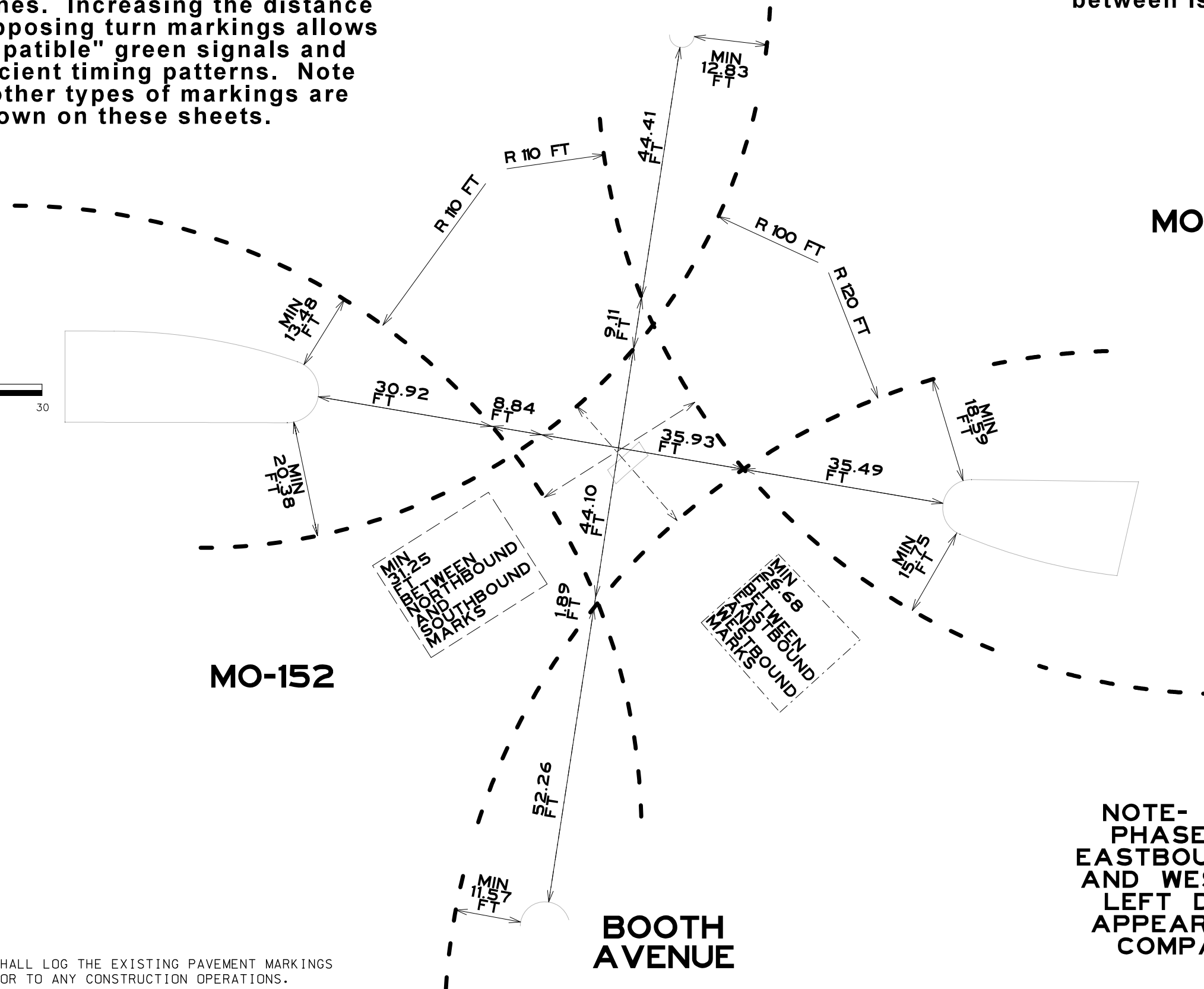
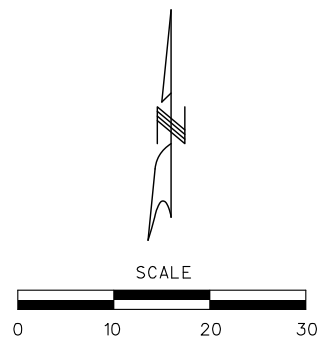
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

The intent of this sheet is to communicate details of placing the "intersection" pavement markings (2' mark, 4' space) for turn lanes. Increasing the distance between opposing turn markings allows for "compatible" green signals and more efficient timing patterns. Note that no other types of markings are shown on these sheets.

# BOOTH AVENUE

Distances and radii are measured to center of 6in wide stripe. Linear measures (across full intersection) are measured as shortest distance between island faces.



NOTES:  
THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

SPECIAL SHEET  
BOOTH AVENUE (2 of 2)  
INTERSECTION PAVEMENT MARKING  
SHEET 6 OF 10



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 9
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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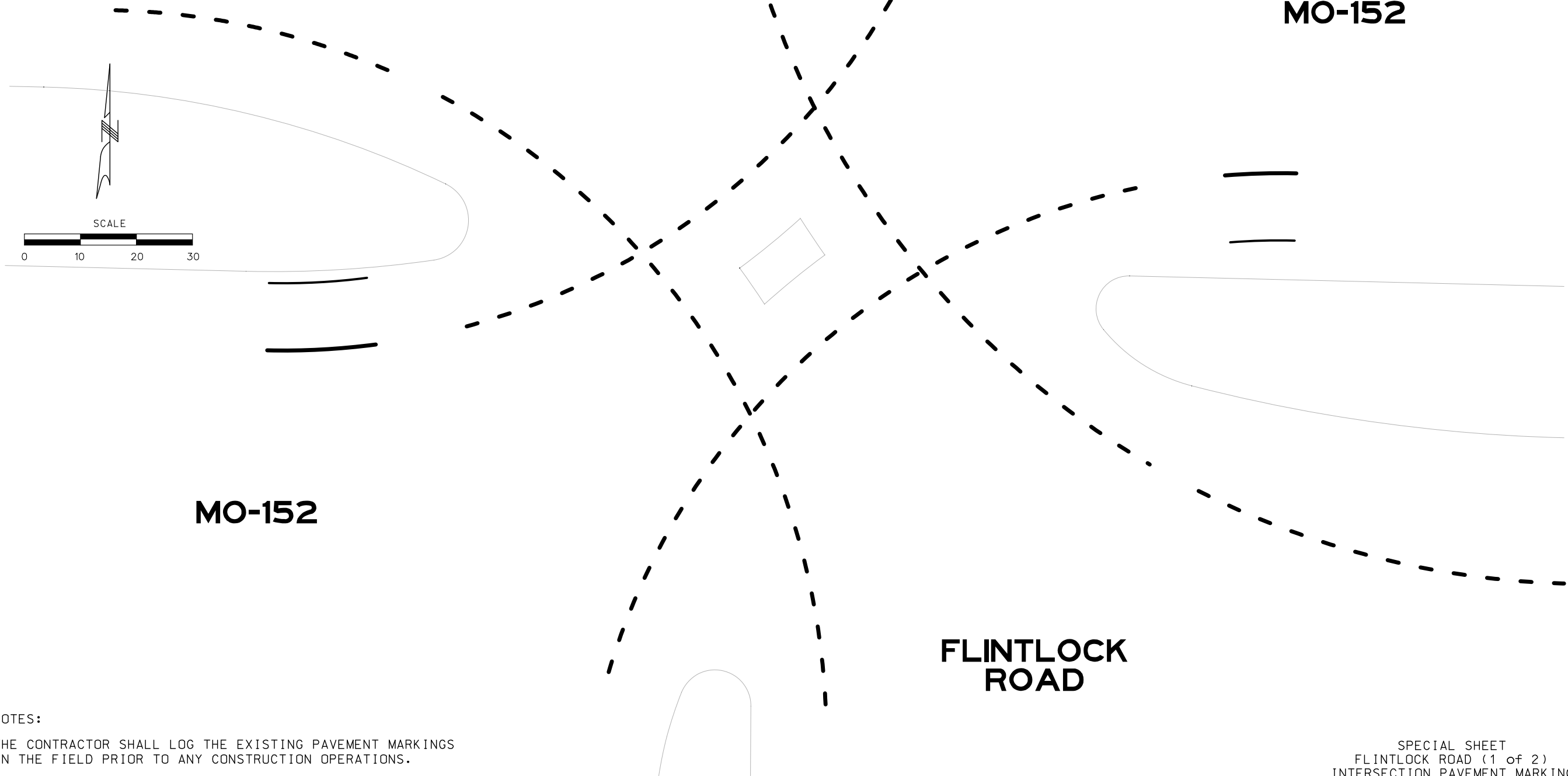
Distances and radii are measured to center of 6in wide stripe. Linear measures (across full intersection) are measured as shortest distance between island faces.

**FLINTLOCK ROAD**

**MO-152**

**MO-152**

**FLINTLOCK ROAD**



NOTES:  
THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

SPECIAL SHEET  
FLINTLOCK ROAD (1 of 2)  
INTERSECTION PAVEMENT MARKING  
SHEET 7 OF 10



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 10
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

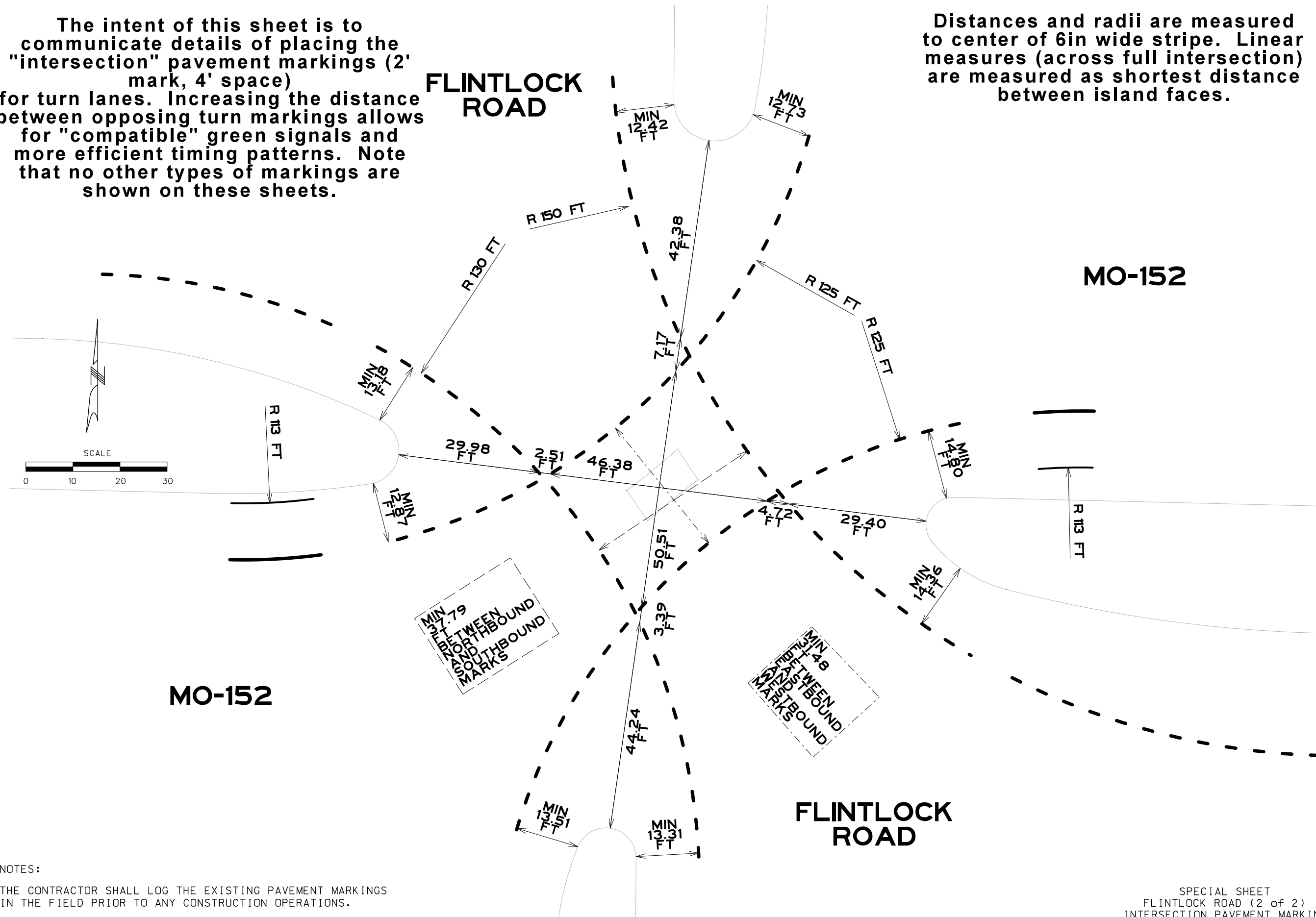
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



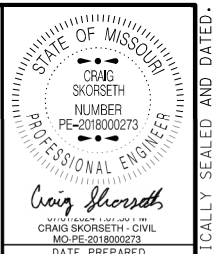
The intent of this sheet is to communicate details of placing the "intersection" pavement markings (2' mark, 4' space) for turn lanes. Increasing the distance between opposing turn markings allows for "compatible" green signals and more efficient timing patterns. Note that no other types of markings are shown on these sheets.

Distances and radii are measured to center of 6in wide stripe. Linear measures (across full intersection) are measured as shortest distance between island faces.



NOTES:  
THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

SPECIAL SHEET  
FLINTLOCK ROAD (2 of 2)  
INTERSECTION PAVEMENT MARKING  
SHEET 8 OF 10



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 11
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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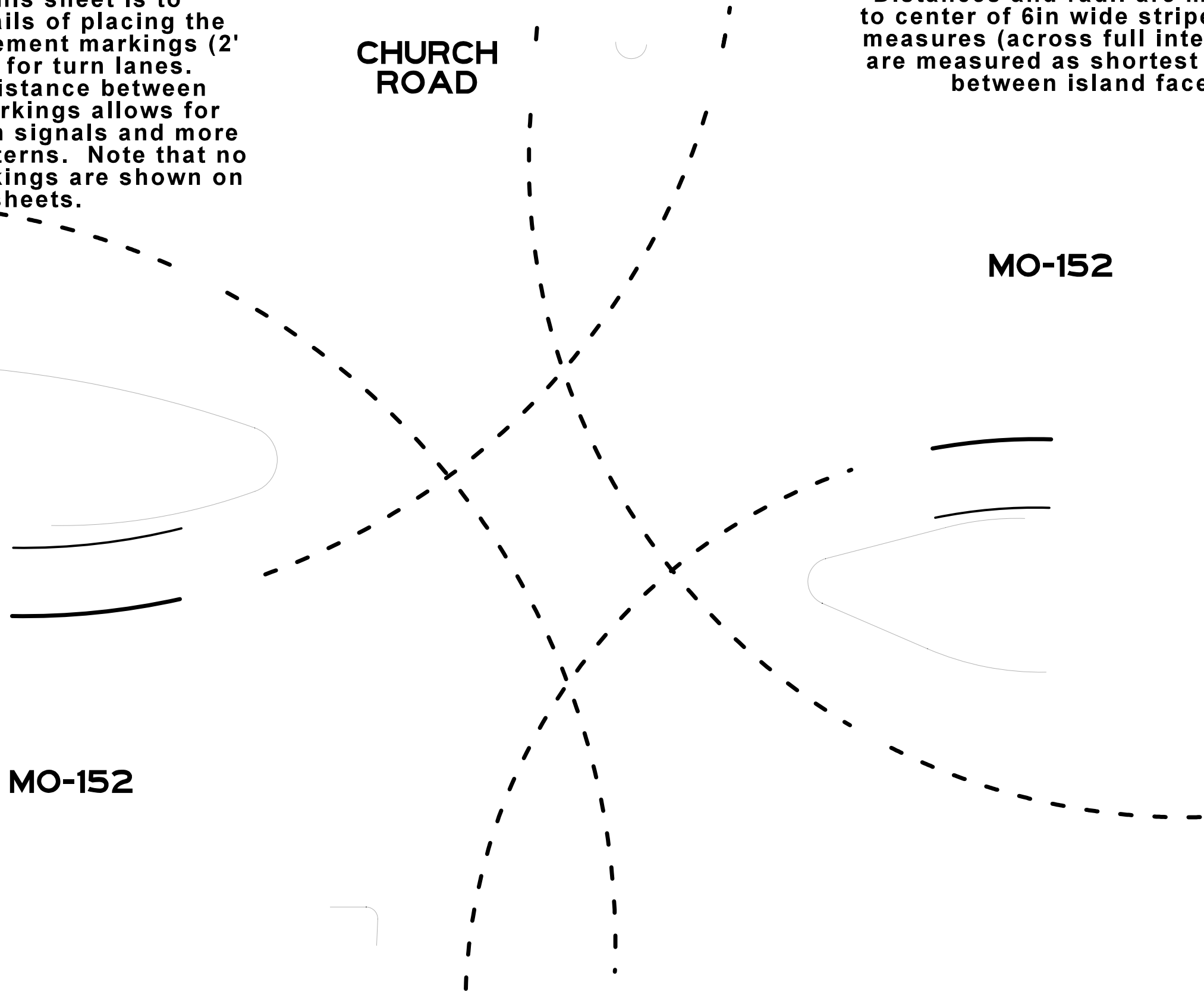
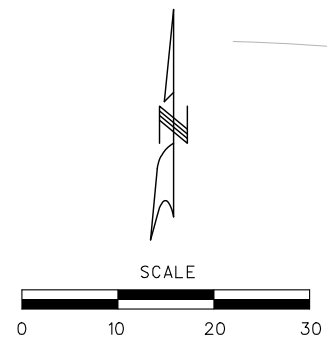
Distances and radii are measured to center of 6in wide stripe. Linear measures (across full intersection) are measured as shortest distance between island faces.

CHURCH ROAD

MO-152

MO-152

CHURCH ROAD



NOTES:  
THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

SPECIAL SHEET  
CHURCH ROAD (1 of 2)  
INTERSECTION PAVEMENT MARKING  
SHEET 9 OF 10



DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 12
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

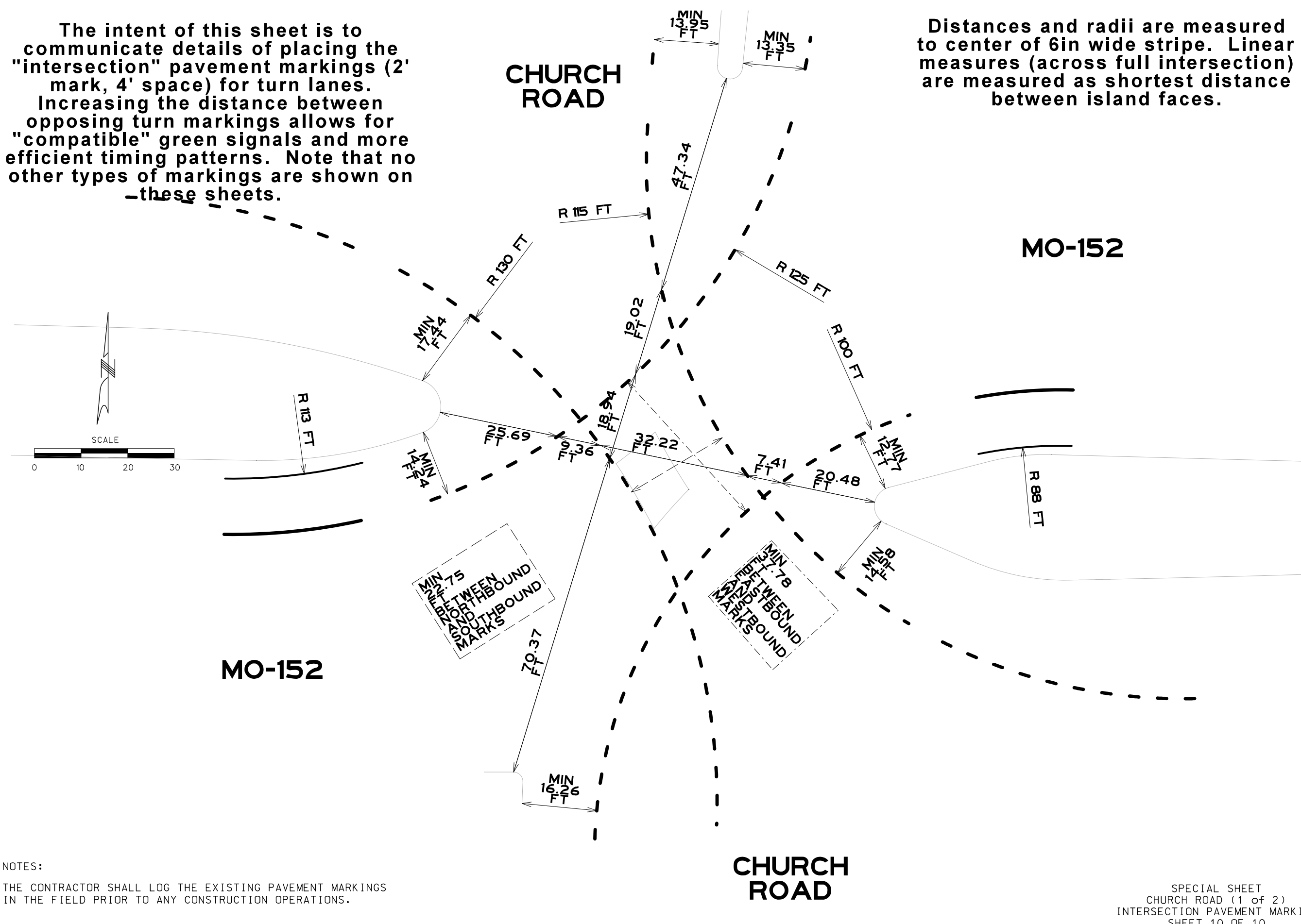
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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Distances and radii are measured to center of 6in wide stripe. Linear measures (across full intersection) are measured as shortest distance between island faces.



NOTES:  
THE CONTRACTOR SHALL LOG THE EXISTING PAVEMENT MARKINGS IN THE FIELD PRIOR TO ANY CONSTRUCTION OPERATIONS.

SPECIAL SHEET  
CHURCH ROAD (1 of 2)  
INTERSECTION PAVEMENT MARKING  
SHEET 10 OF 10

**CHURCH SKORSEITH**  
PROFESSIONAL ENGINEER  
MO-PE-2018000273

DATE PREPARED: 6/26/2024

ROUTE	STATE
152	MO
DISTRICT	SHEET NO.
KC	13

COUNTY: CLAY  
JOB NO.: JKU0054  
CONTRACT ID.:  
PROJECT NO.:  
BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.









# Traffic Control Legend, Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions

## TRAFFIC CONTROL LEGEND

SPEED PERMANENT POSTED SPEED MPH	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft.) (B)	TAPERS	BUFFER/WORK AREA LENGTH (ft.)
0-35	---	200	70	245	280	35	40
40-45	---	500	150	540	400	40	80
50-55	---	1000	185	660	560	50	80
60-70	---	SA-1000	235	840	840	60	120
		SB-1500					
		SC-2640					

1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET. 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

TAPER LENGTH (L)  
 $L = W \times P$  FOR 40 MPH OR MORE  
 $L = \frac{WP^2}{60}$  FOR 35 MPH OR LESS  
 L = TAPER LENGTH IN FEET  
 W = LATERAL SHIFT IN FEET  
 P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

-  SIGN (SINGLE SIDED)
-  FLASHING ARROW PANEL
-  FLAGGER
-  CHANNELIZER
-  PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT.
-  CHANGEABLE MESSAGE BOARD
-  BARRICADE
-  TUBULAR MARKERS

### LEGEND NOTE:

THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

### GENERAL NOTES:

1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.
6. THE PLACEMENT OF THE CMS'S ARE TO BE DIRECTED BY THE ENGINEER IN CHARGE.

SPEED PERMANENT POSTED SPEED MPH	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft.) (B)	TAPERS	BUFFER/WORK AREA LENGTH (ft.)
0-35	200	---	70	245	280	35	40
40-45	350	---	150	540	400	40	80
50-55	500	---	185	660	560	50	80
60-70	1000	---	235	840	840	60	120

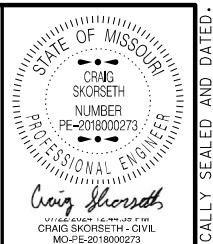
1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.  
 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

\*\* THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.  
 THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.  
 THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.  
 (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE)

### DETAILS NOTES:

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

DEVICE SPACING  
 TEMPORARY  
 TRAFFIC CONTROL  
 SHEET 1 OF 16



DATE PREPARED  
7/18/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 14

COUNTY  
CLAY

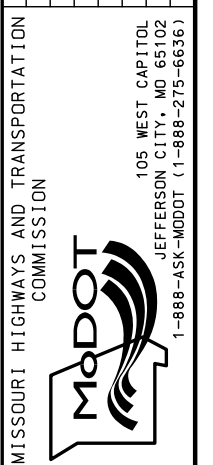
JOB NO.  
JKU0054

CONTRACT ID.

PROJECT NO.

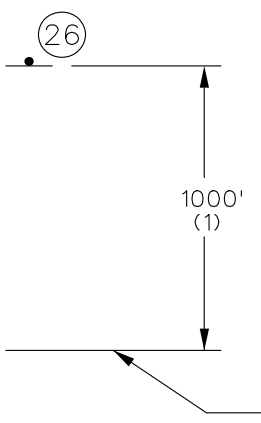
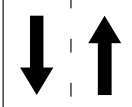
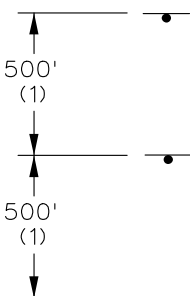
BRIDGE NO.

DATE	DESCRIPTION

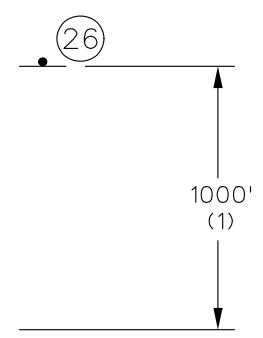
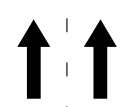
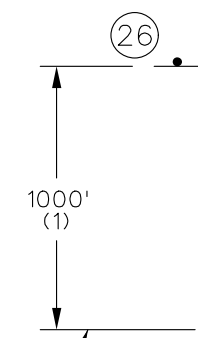


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

**WORK ZONE  
NO PHONE  
ZONE**  
SPECIAL



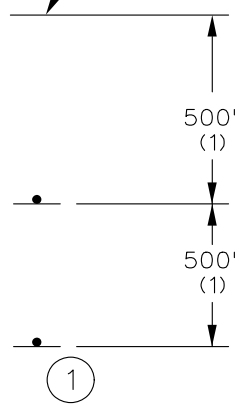
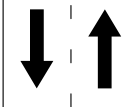
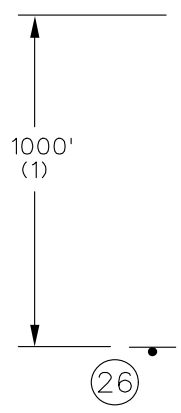
END OF PROJECT LIMITS;  
END OF WORK ZONE  
TERMINATION AREA, IF  
LOCATED BEYOND END  
OF PROJECT; OR LAST  
WORK ZONE SIGN, IF  
LOCATED OUTSIDE  
PROJECT LIMITS.



NOTES:  
SIGN G020-1 SHOULD BE INSTALLED IN ADVANCE OF TTC ZONES THAT ARE LONGER THAN 2 MILES.  
SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.  
OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.  
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.  
(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.  
(2) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.  
(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.  
(4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

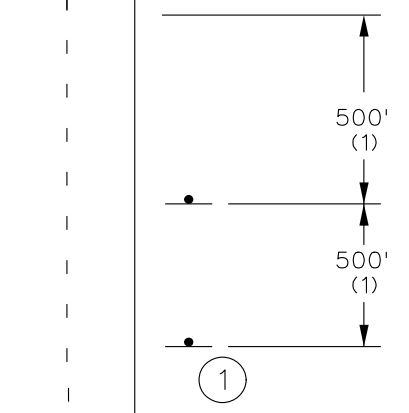
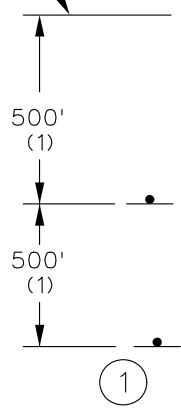
**Road Resurfacing  
SUMMER 2025**  
CONST-5-96 (3)

BEGINNING OF PROJECT LIMITS;  
OR INITIAL WORK ZONE SIGN, IF  
LOCATED OUTSIDE PROJECT LIMITS.



**WORK ZONE  
NO PHONE  
ZONE**  
SPECIAL

**WORK ZONE  
NO PHONE  
ZONE**  
SPECIAL



**WORK ZONE  
NO PHONE  
ZONE**  
SPECIAL

**ROAD WORK  
NEXT 5 MILES**  
G020-1  
(i)

**END  
ROAD WORK**  
G020-2  
(26)

TWO-LANE UNDIVIDED

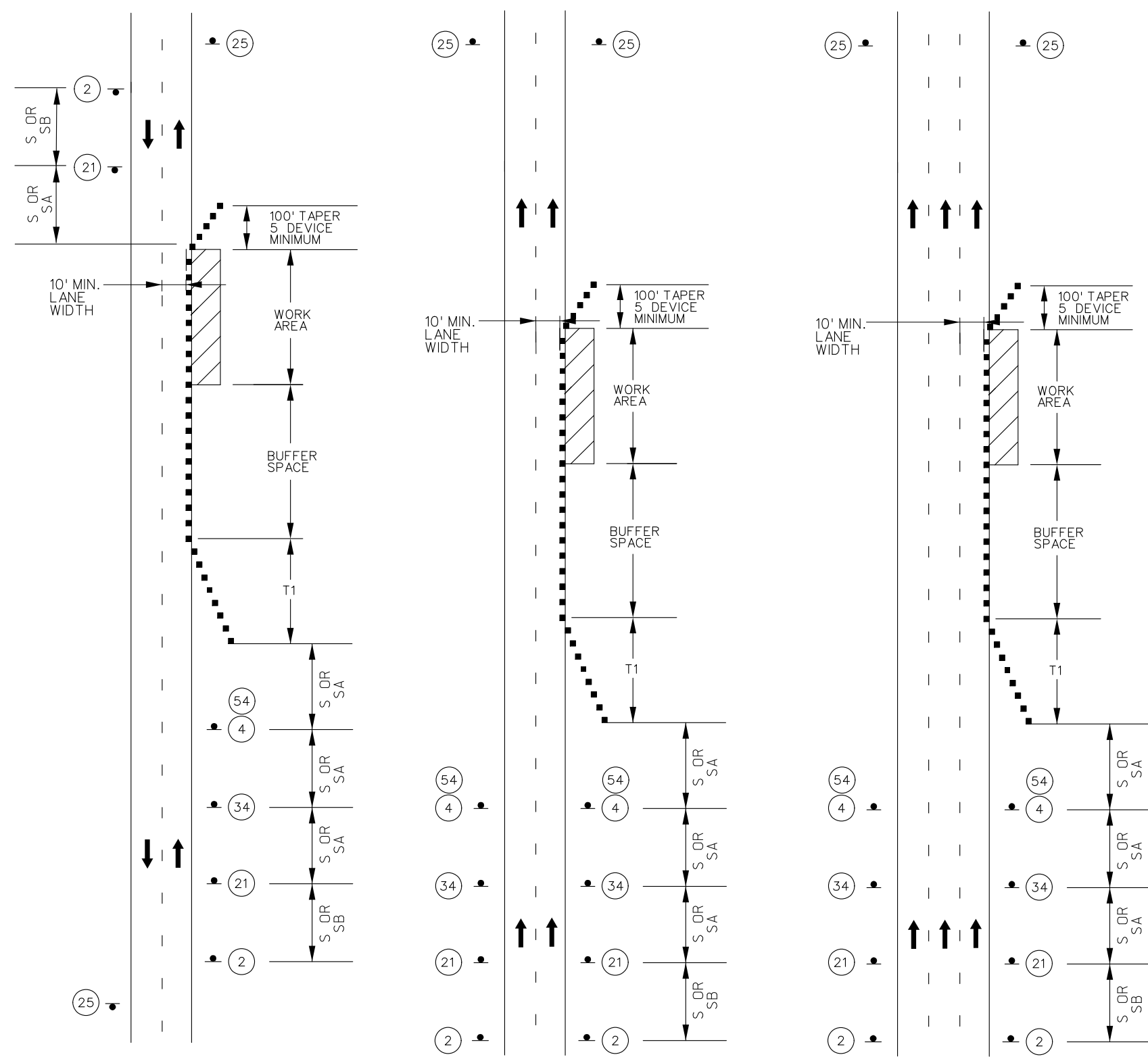
BEGIN/END OF PROJECT SIGNING  
(FOR USE ON ALL PROJECTS)

MULTI-LANE DIVIDED

BEGIN/END  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 2 OF 16

DATE PREPARED 6/26/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 15
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

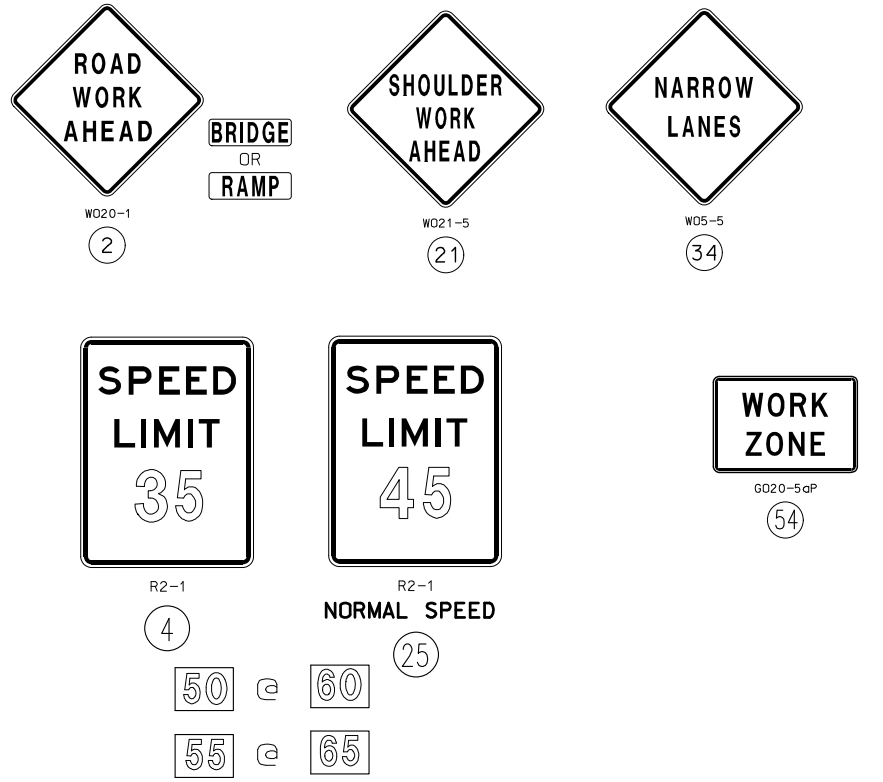
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



TWO LANE UNDIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT

TWO LANE (MULTI) DIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT

THREE LANE (MULTI) DIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT



**GENERAL NOTES:**

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

THE REDUCED SPEED LIMIT AND THE NORMAL SPEED LIMIT WILL VARY DEPENDING ON THE LOCATION OF THE TRAFFIC CONTROL SETUP. SEE THE 2BS SHEET FOR SIGN AVAILABILITY.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

TEMPORARY  
TRAFFIC CONTROL  
SHOULDER WORK  
MINOR ENCROACHMENT  
SHEET 3 OF 16



DATE PREPARED  
7/18/2024

ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 16

COUNTY CLAY

JOB NO. JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

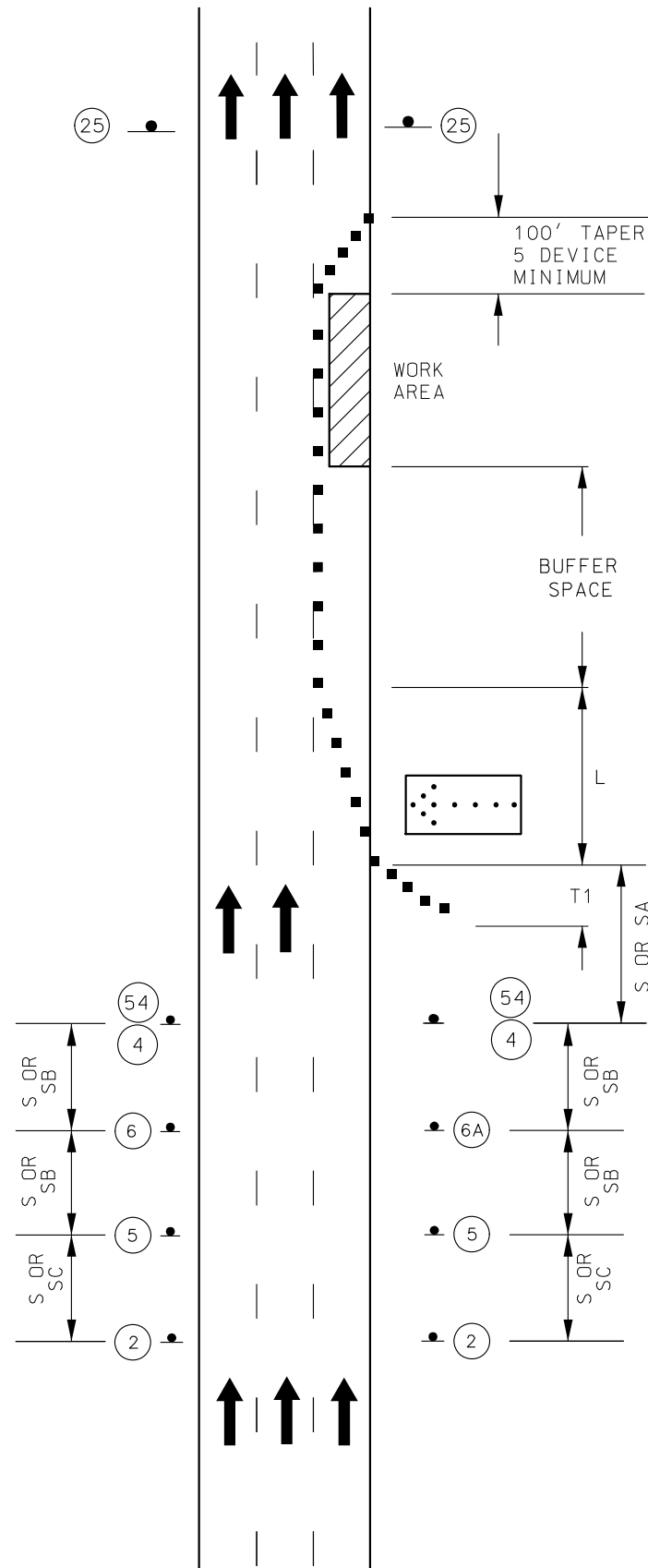
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

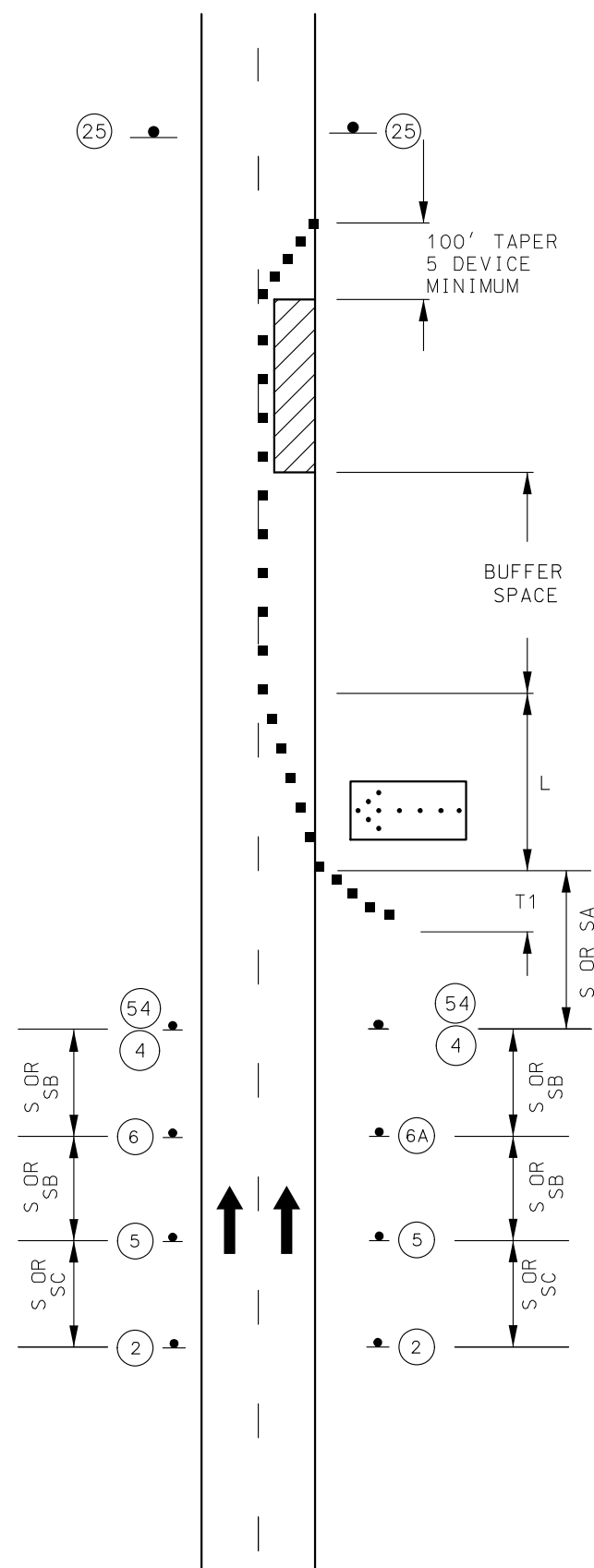
105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

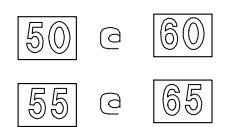
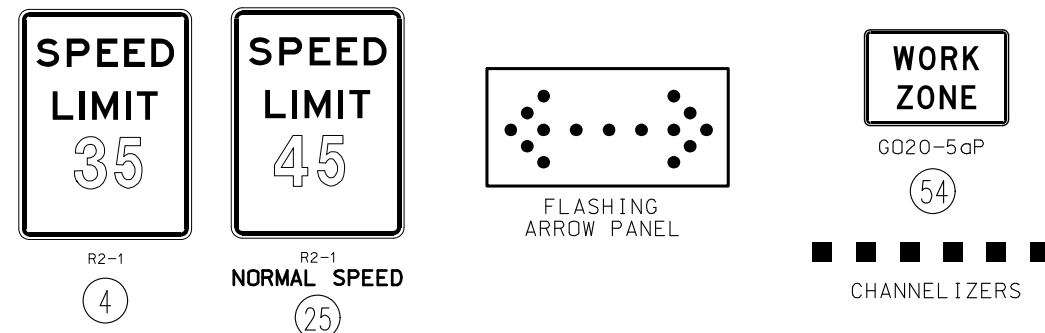
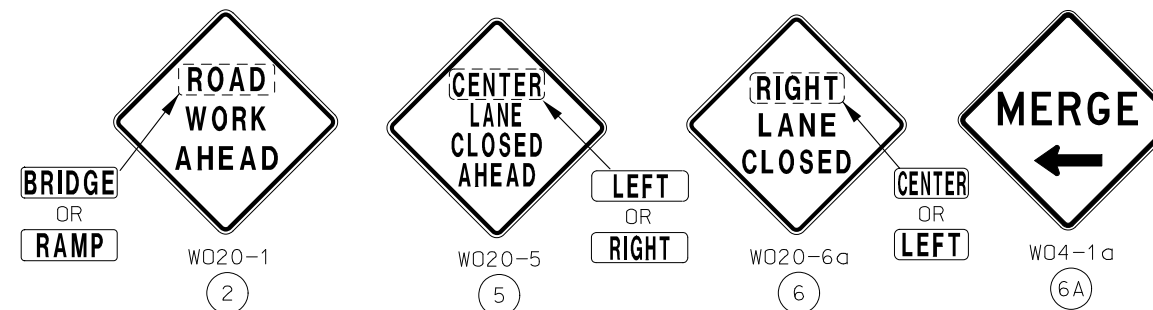
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



THREE LANE DIVIDED HIGHWAY  
(SOUTH BOUND LANE)



TWO-LANE DIVIDED HIGHWAY



**NOTES:**

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGN SHALL BE SUBSTITUTED.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHTS ARE TO BE USED AT TAPER LOCATIONS.

THE REDUCED SPEED LIMIT AND THE NORMAL SPEED LIMIT WILL VARY DEPENDING ON THE LOCATION OF THE TRAFFIC CONTROL SETUP. SEE THE 2BS SHEET FOR SIGN AVAILABILITY.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

STATE OF MISSOURI  
CRAG SKORSEITH  
NUMBER  
201800273  
PROFESSIONAL ENGINEER

DATE PREPARED  
7/18/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 17

COUNTY  
CLAY

JOB NO.  
JKU0054

CONTRACT ID.

PROJECT NO.

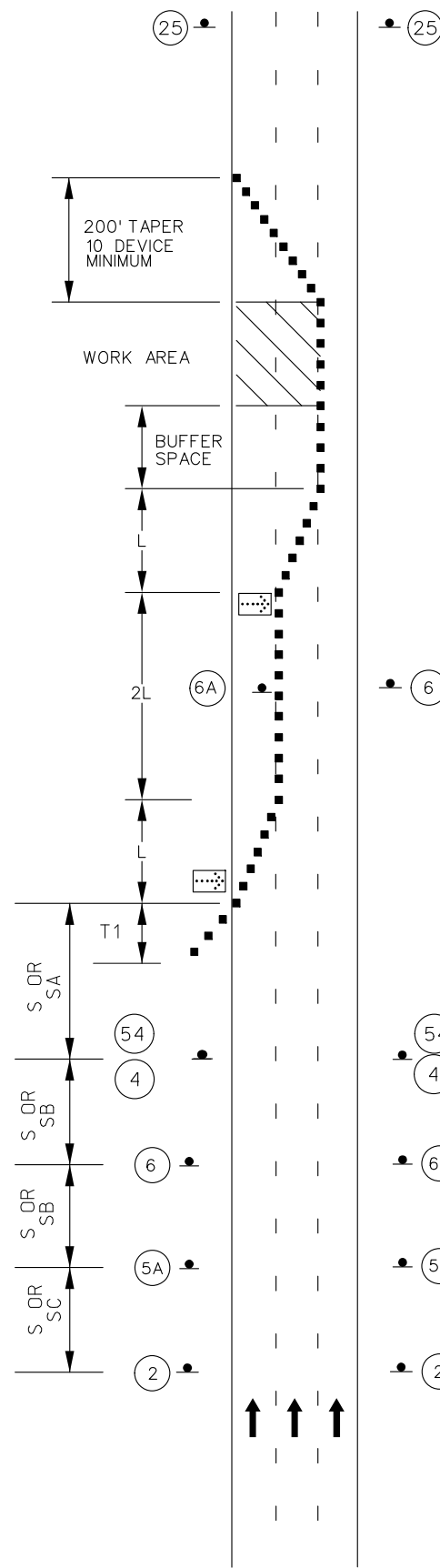
BRIDGE NO.

DATE	DESCRIPTION

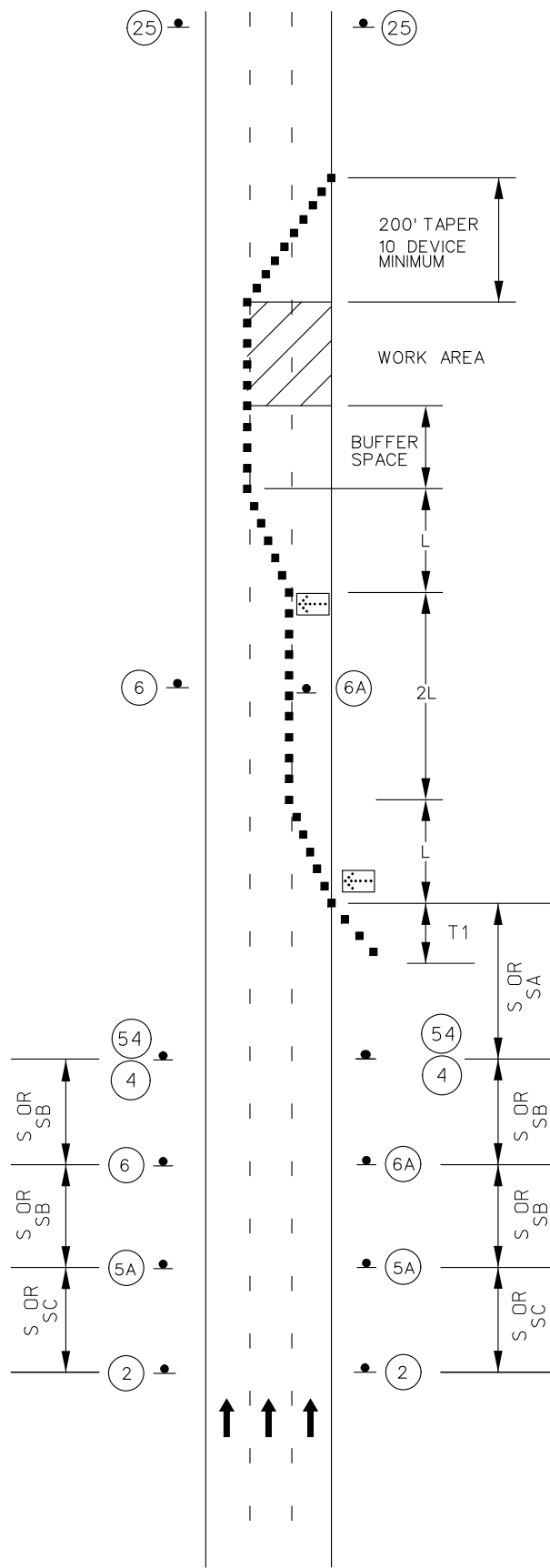
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

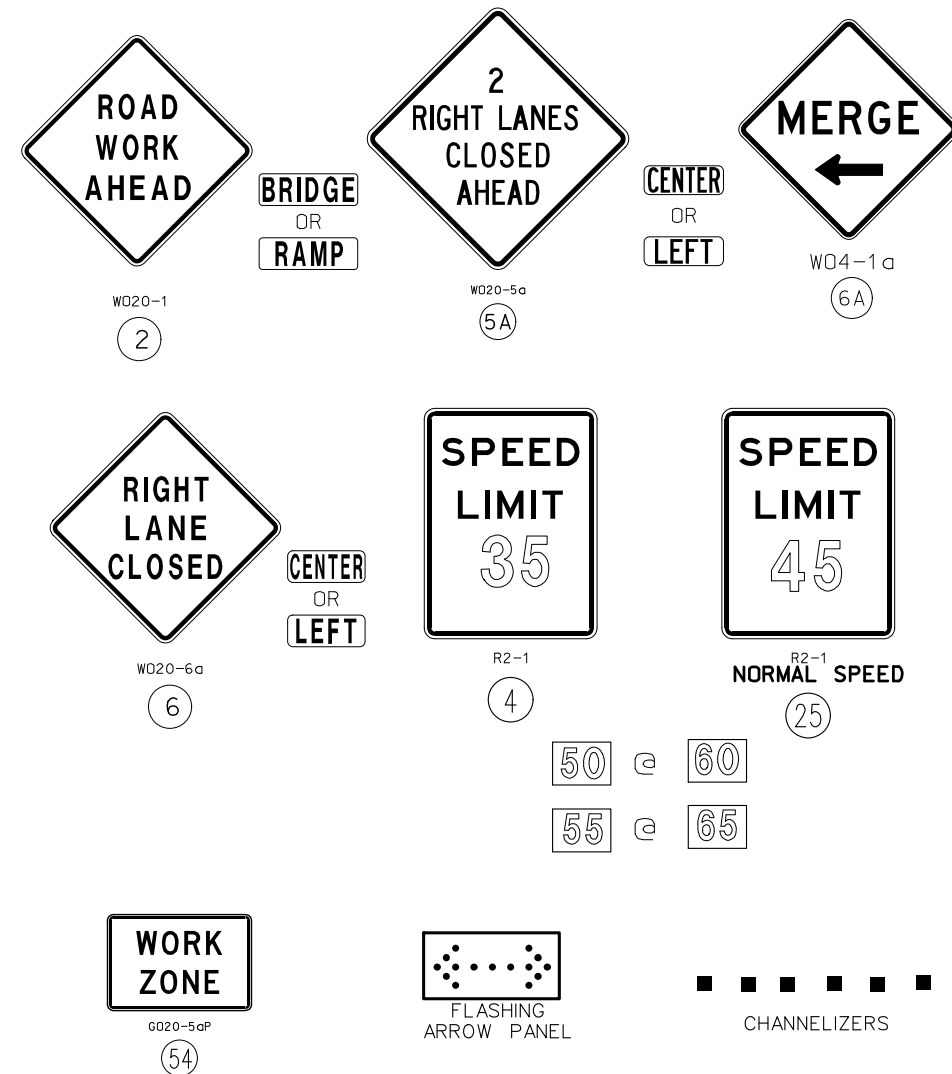
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



LANE CLOSURE TWO LANES OF MULTI-LANE DIVIDE HIGHWAY



LANE CLOSURE TWO LANES OF MULTI-LANE DIVIDE HIGHWAY



NOTES:  
 SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.  
 REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.  
 TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.  
 ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.  
 DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHTS ARE TO BE USED AT TAPER LOCATIONS.  
 A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.  
 THE REDUCED SPEED LIMIT AND THE NORMAL SPEED LIMIT WILL VARY DEPENDING ON THE LOCATION OF THE TRAFFIC CONTROL SETUP. SEE THE 2BS SHEET FOR SIGN AVAILABILITY.  
 FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

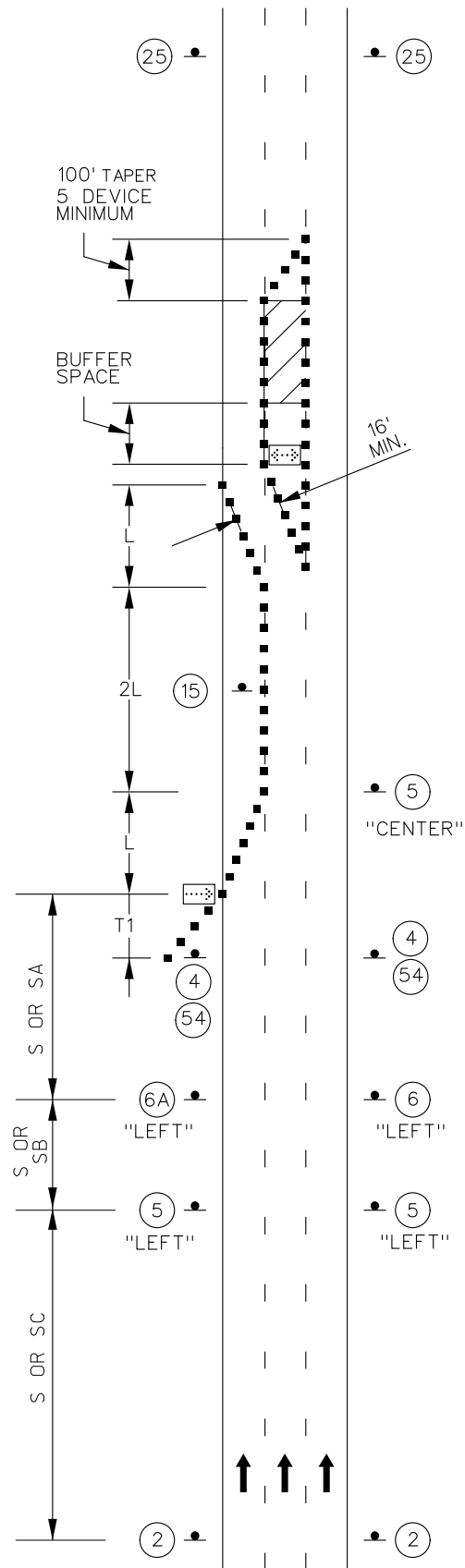


STATE OF MISSOURI  
 CRAIG SKORSETH  
 NUMBER PE-2018000273  
 PROFESSIONAL ENGINEER  
 DATE PREPARED 7/18/2024  
 ROUTE 152 STATE MO  
 DISTRICT KC SHEET NO. 18  
 COUNTY CLAY  
 JOB NO. JKU0054  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

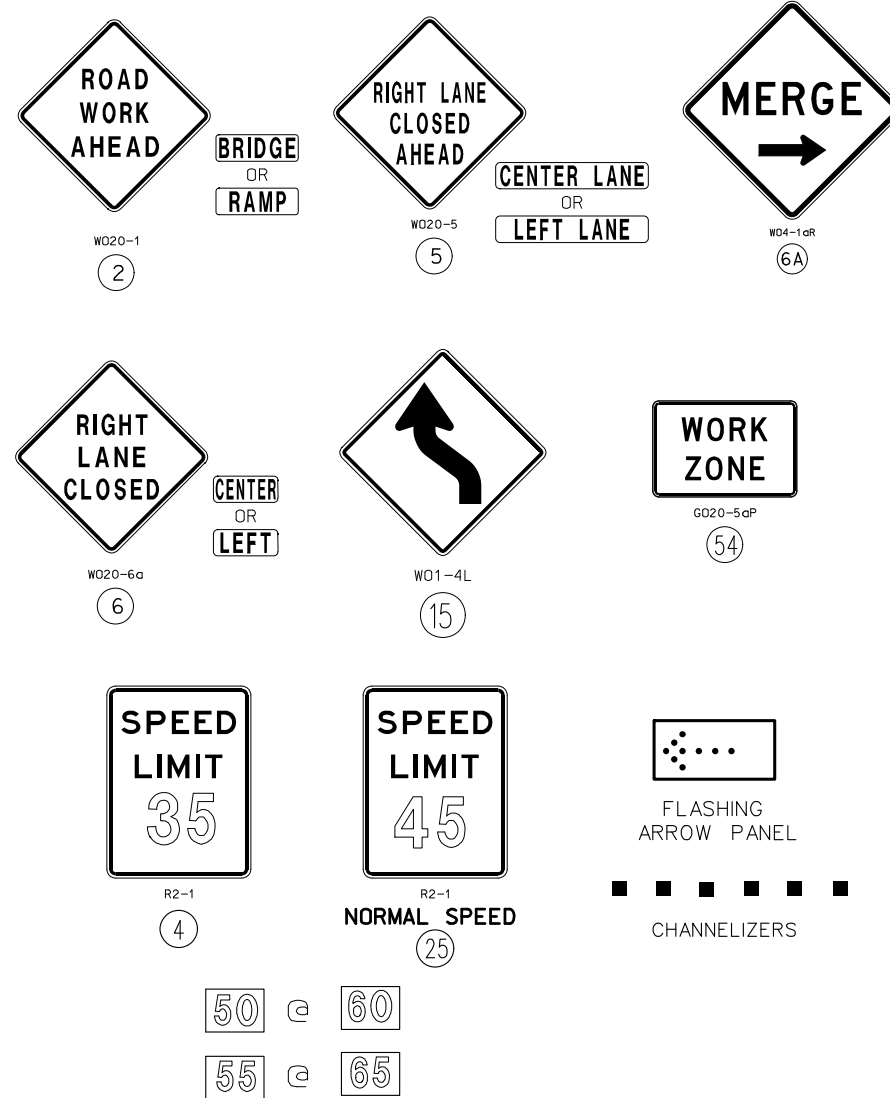
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 MoDOT  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)





LANE CLOSURE  
 INTERIOR LANE CLOSURES OF MULTI-LANE DIVIDED HIGHWAY



NOTES:  
 SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.  
 REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.  
 TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.  
 ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.  
 FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

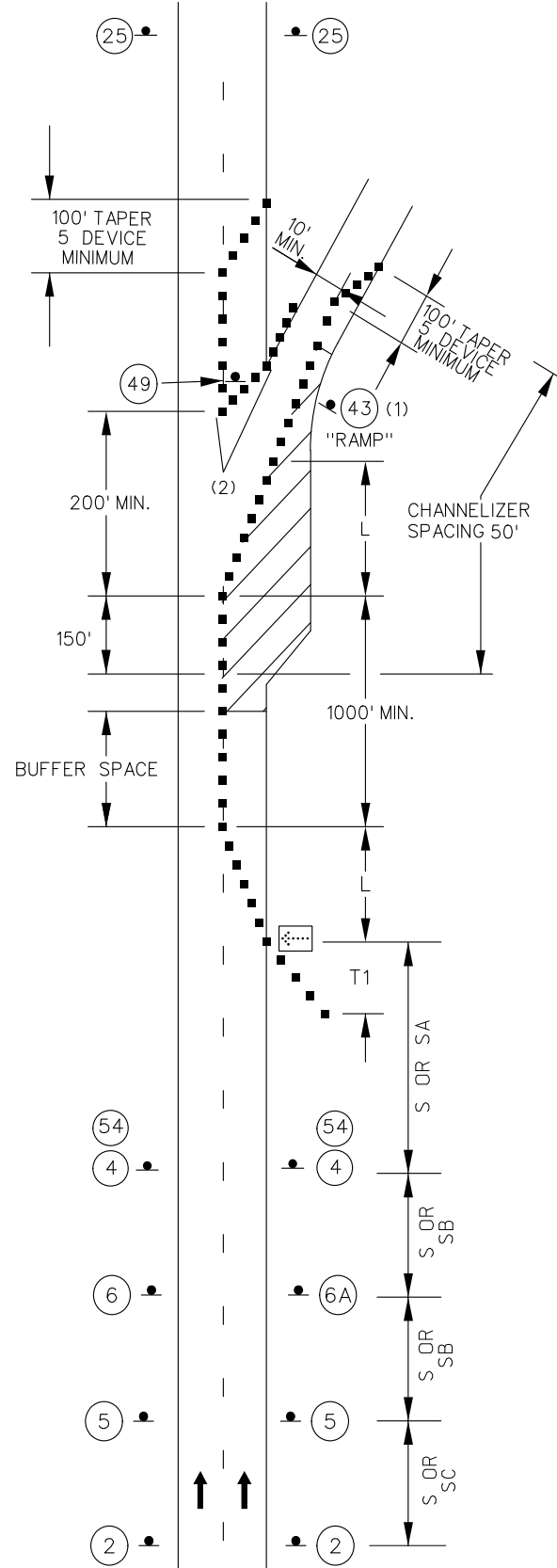
INTERIOR LANE  
 CLOSURE ON FREEWAY  
 TEMPORARY  
 TRAFFIC CONTROL  
 SHEET 6 OF 16

STATE OF MISSOURI  
 CRAIG SKORSETH  
 NUMBER PE-2018000273  
 PROFESSIONAL ENGINEER  
 Craig Skorseth  
 DATE PREPARED 7/18/2024  
 ROUTE 152 STATE MO  
 DISTRICT KC SHEET NO. 19  
 COUNTY CLAY  
 JOB NO. JKU0054  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

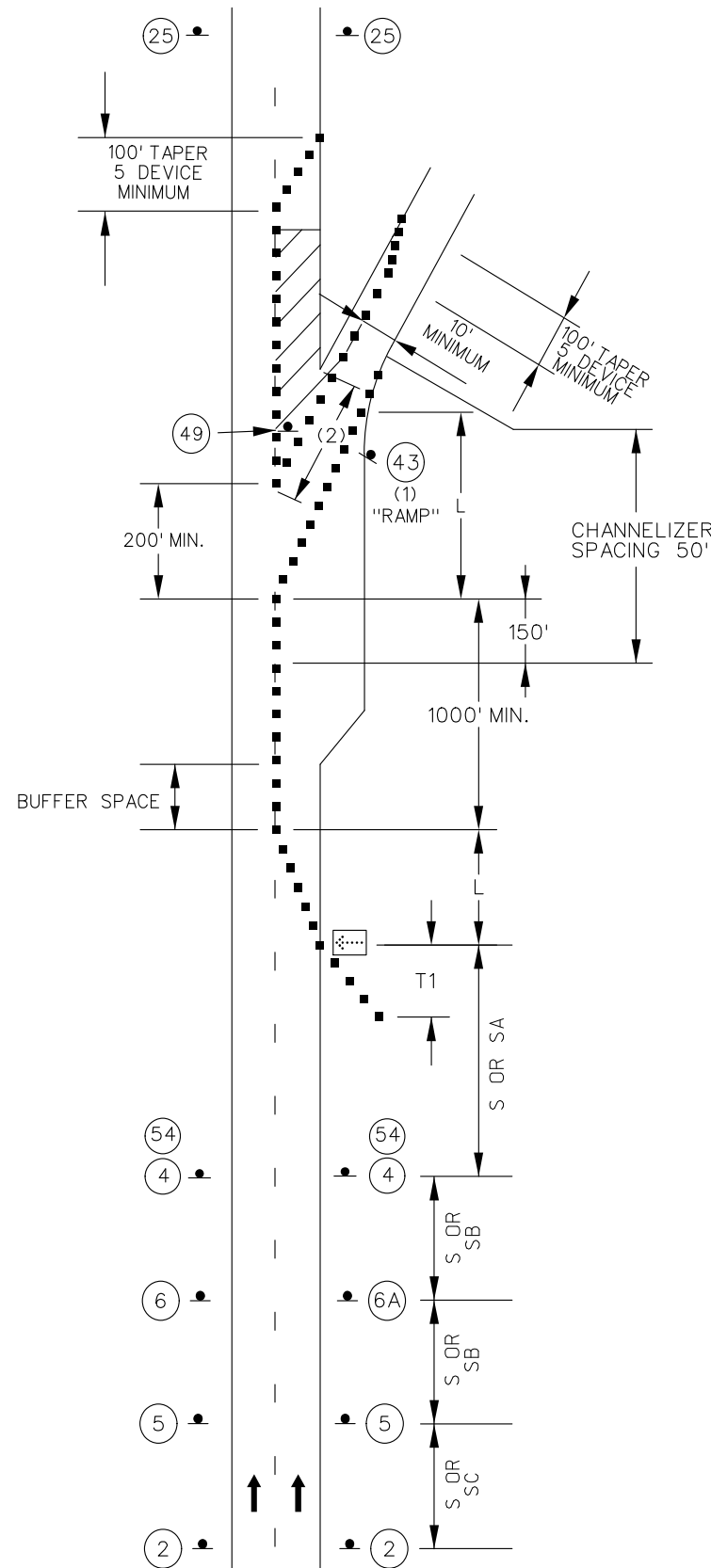
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



WORK IN THE VICINITY OF A EXIT RAMP AREAS



WORK IN THE VICINITY OF A EXIT RAMP AREAS

ROAD WORK AHEAD (W020-1) (2) BRIDGE OR RAMP

RIGHT LANE CLOSED AHEAD (W020-5) (5) CENTER LANE OR LEFT LANE

RIGHT LANE CLOSED (W020-6a) (6) CENTER OR LEFT

MERGE (W04-1a) (6A)

SPEED LIMIT 35 (R2-1) (4)

SPEED LIMIT 45 (R2-1) (25) NORMAL SPEED

50 @ 60

55 @ 65

ROAD NARROWS (W05-1) (43) BRIDGE OR RAMP

EXIT (E05-1) (49)

WORK ZONE (G020-5aP) (54)

FLASHING ARROW PANEL

CHANNELIZERS

NOTES:

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

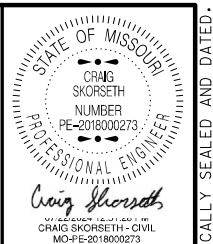
REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

(1). SIGN (43) REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2). FIVE CHANNELIZER DEVICE MINIMUM.

WORK IN VICINITY OF EXIT RAMP TEMPORARY TRAFFIC CONTROL SHEET 7 OF 16



STATE OF MISSOURI  
 CRAIG SKORSETH  
 NUMBER PE-201800273  
 PROFESSIONAL ENGINEER  
 Craig Skorseth  
 DATE PREPARED 7/18/2024  
 ROUTE 152 STATE MO  
 DISTRICT KC SHEET NO. 20  
 COUNTY CLAY  
 JOB NO. JKU0054  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

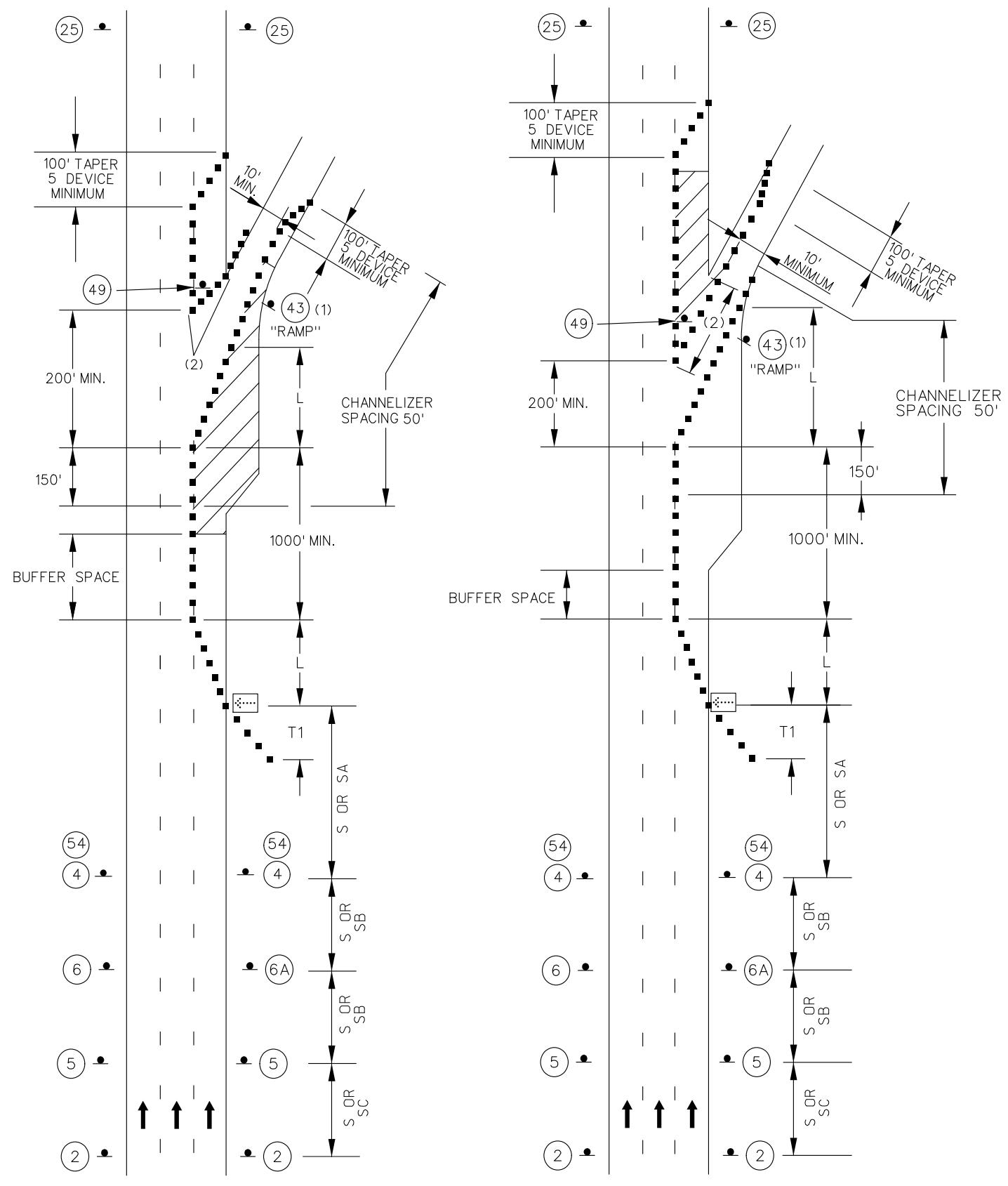
105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION

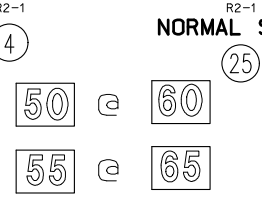
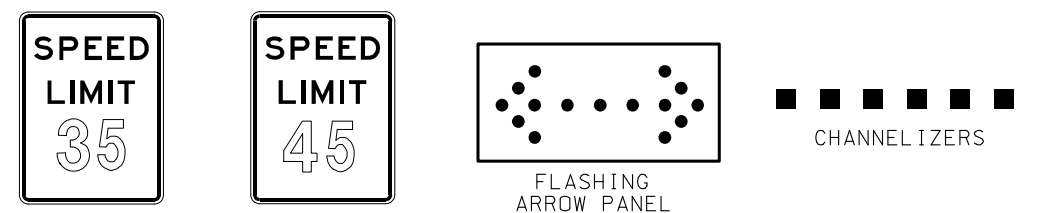
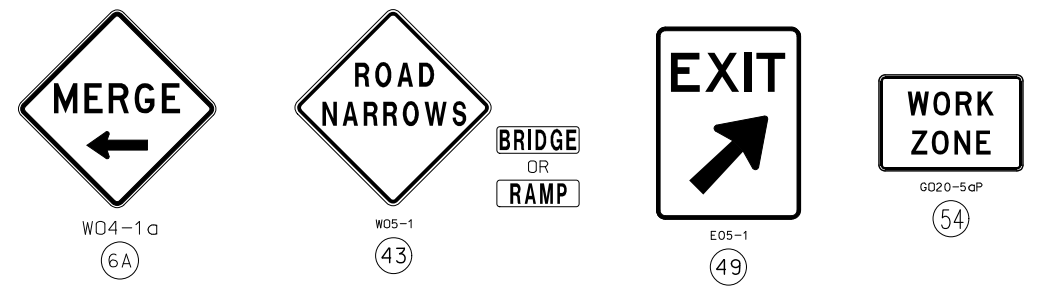
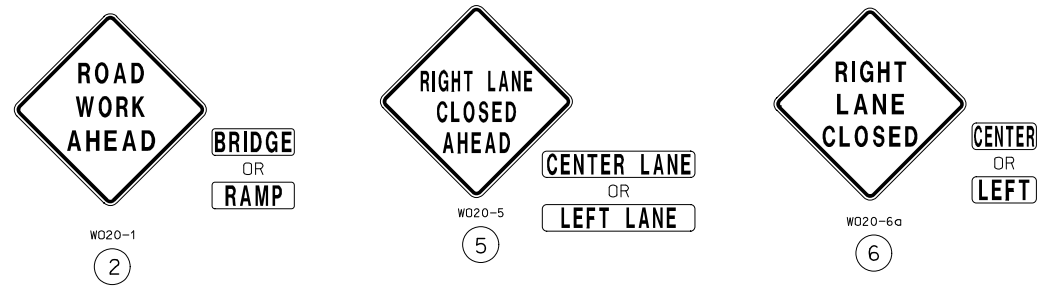
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 MODOT  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



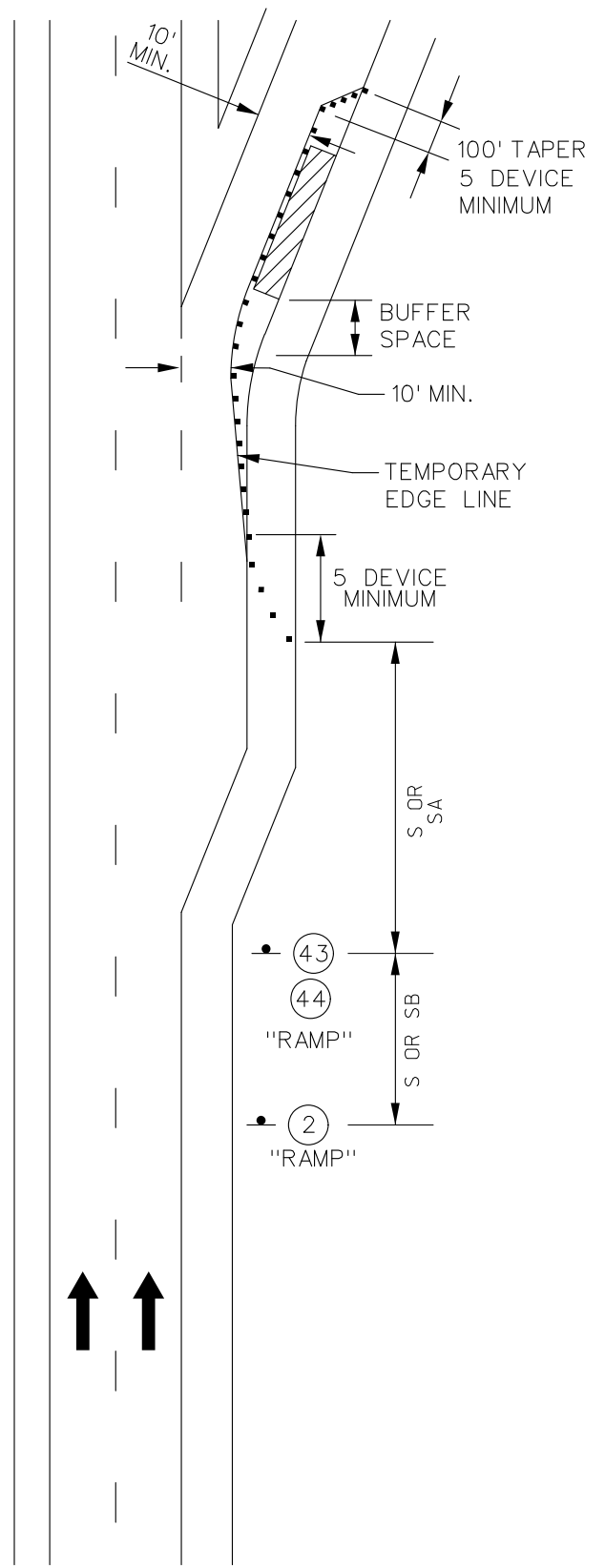
WORK IN THE VICINITY  
 OF A EXIT RAMP AREAS

WORK IN THE VICINITY  
 OF A EXIT RAMP AREAS



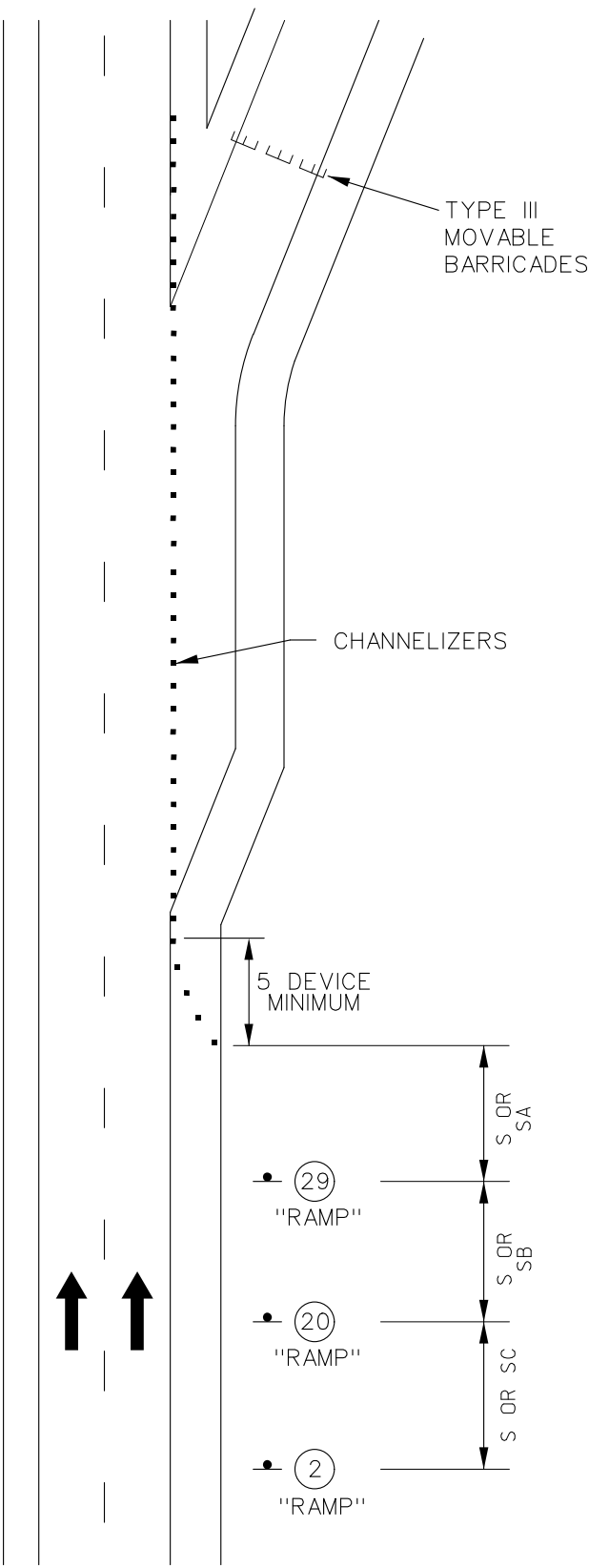
NOTES:  
 SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.  
 REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.  
 TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.  
 DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHTS ARE TO BE USED AT TAPER LOCATIONS.  
 FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.  
 THE REDUCED SPEED LIMIT AND THE NORMAL SPEED LIMIT WILL VARY DEPENDING ON THE LOCATION OF THE TRAFFIC CONTROL SETUP. SEE THE 2BS SHEET FOR SIGN AVAILABILITY.  
 (1). SIGN (43) REQUIRED WHEN RAMP WIDTH IS REDUCED.  
 (2). FIVE CHANNELIZER DEVICE MINIMUM.

TEMPORARY  
 TRAFFIC CONTROL  
 WORK IN VICINITY  
 OF RAMP  
 SHEET 8 OF 16

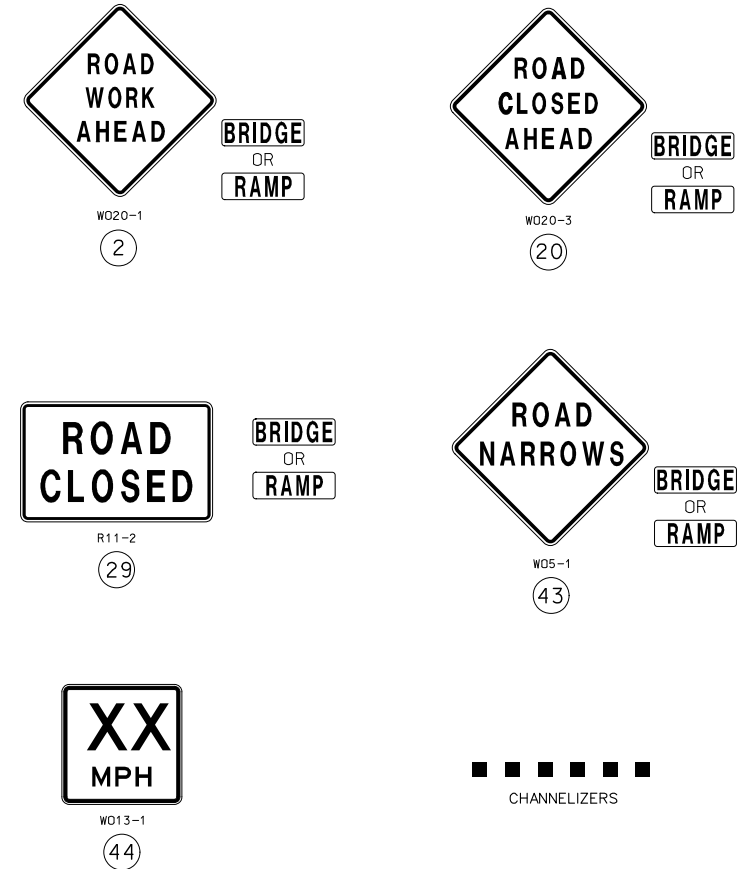


PARTIAL LANE

LANE CLOSURE  
PARTIAL AND TOTAL RAMP CLOSURE



ENTIRE RAMP



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

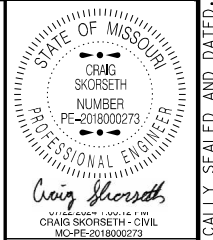
DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHTS ARE TO BE USED AT TAPER LOCATIONS.

SIGN (43) REQUIRED WHEN RAMP WIDTH IS REDUCED.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

RAMP MAY BE CLOSED OVER WEEKENDS FROM 7:00 PM FRIDAY TO 6:00 AM MONDAY WITHIN ONE INTERCHANGE AT A TIME WITH THE APPROVAL OF THE ENGINEER.

PARTIAL OR TOTAL  
EXIT RAMP CLOSURE  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 9 OF 16



DATE PREPARED  
7/18/2024

ROUTE  
152

DISTRICT  
KC

STATE  
MO

SHEET NO.  
22

COUNTY  
CLAY

JOB NO.  
JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

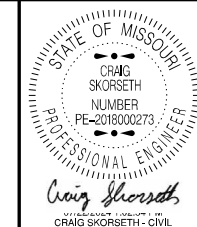
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DATE PREPARED  
7/18/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 23

COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.

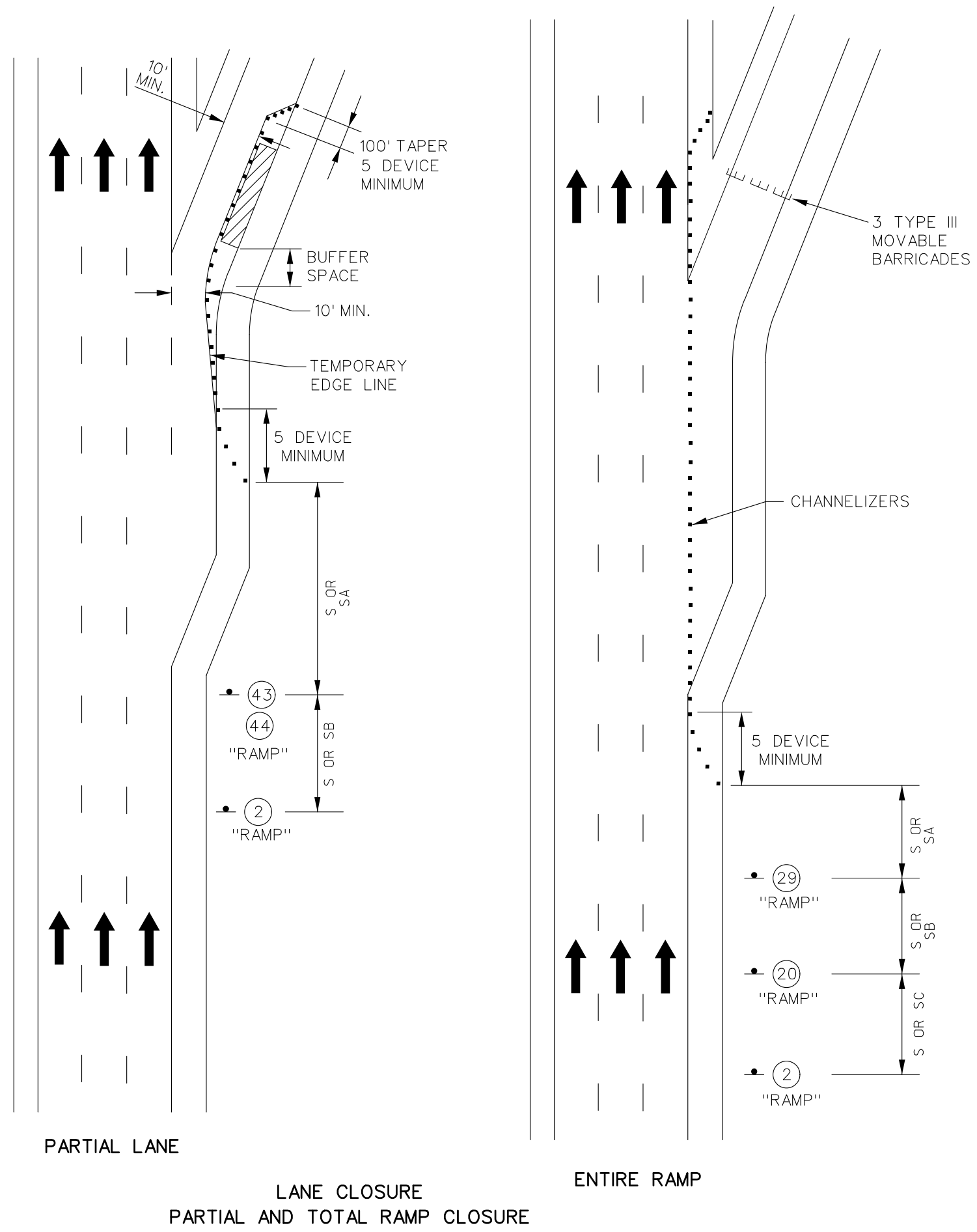
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



- ROAD WORK AHEAD (W20-1) (2)
- BRIDGE OR RAMP
- ROAD CLOSED AHEAD (W020-3) (20)
- BRIDGE OR RAMP
- ROAD NARROWS (W05-1) (43)
- BRIDGE OR RAMP
- XX MPH (W13-1) (44)
- ROAD CLOSED (R11-2) (29)
- BRIDGE OR RAMP
- CHANNELIZERS (represented by a row of black squares)

**NOTES:**

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

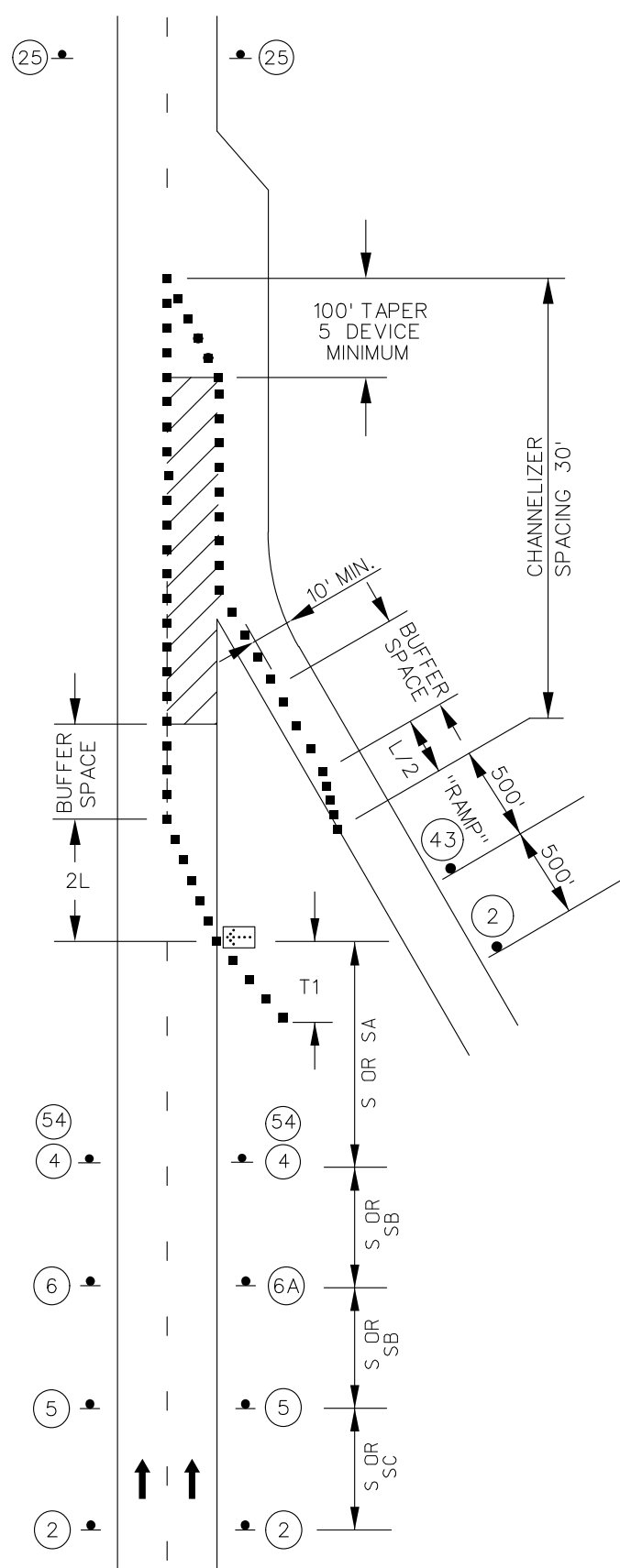
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHTS ARE TO BE USED AT TAPER LOCATIONS.

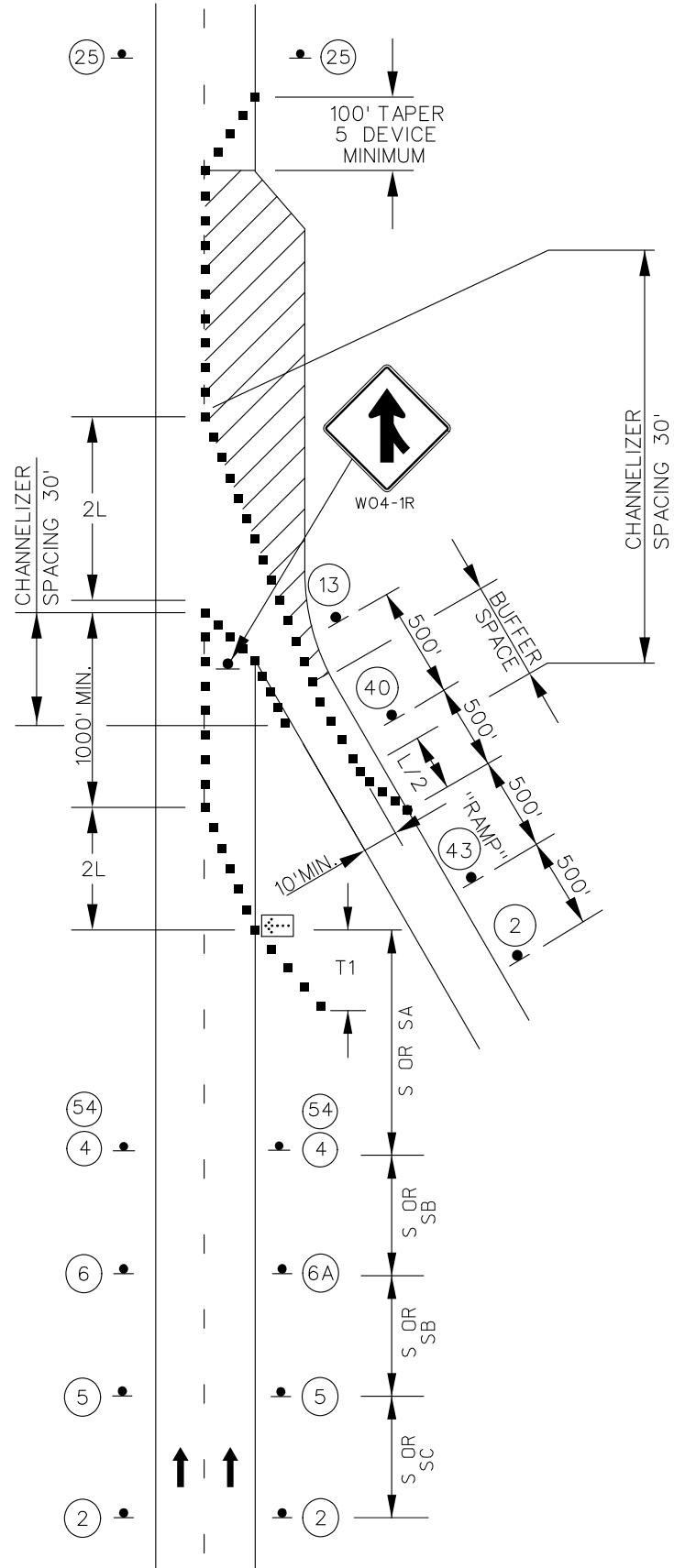
SIGN (43) REQUIRED WHEN RAMP WIDTH IS REDUCED.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

RAMPS MAY BE CLOSED OVER WEEKENDS FROM 7:00 PM FRIDAY TO 6:00 AM MONDAY WITHIN ONE INTERCHANGE AT A TIME WITH THE APPROVAL OF THE ENGINEER.



LANE CLOSURE  
ENTRANCE RAMP AREAS



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).

THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

STATE OF MISSOURI  
CRAG SKORSETH  
NUMBER PE-2018000273  
PROFESSIONAL ENGINEER  
*Craig Skorseth*

DATE PREPARED 7/18/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 24

COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

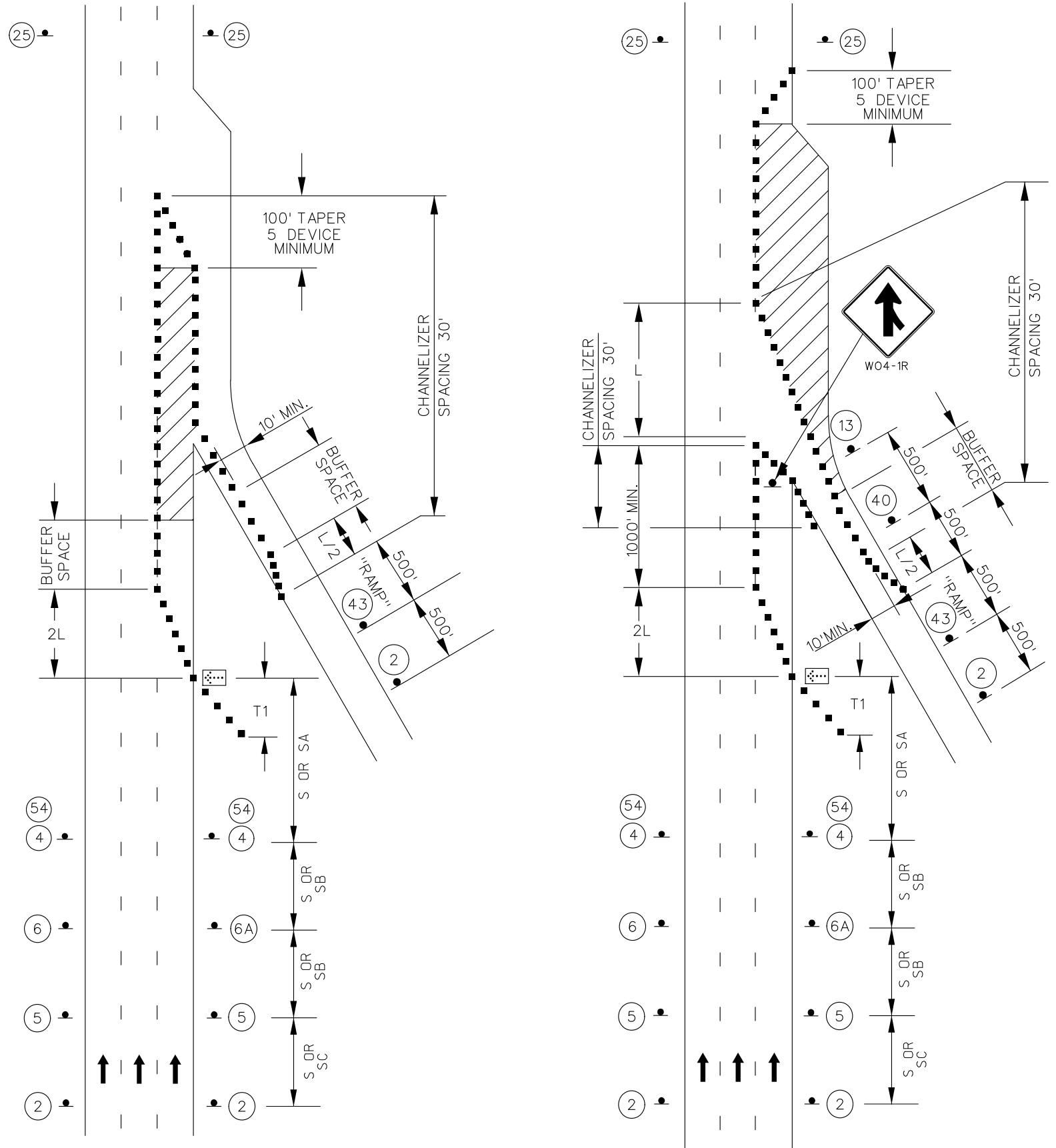
DESCRIPTION

DATE

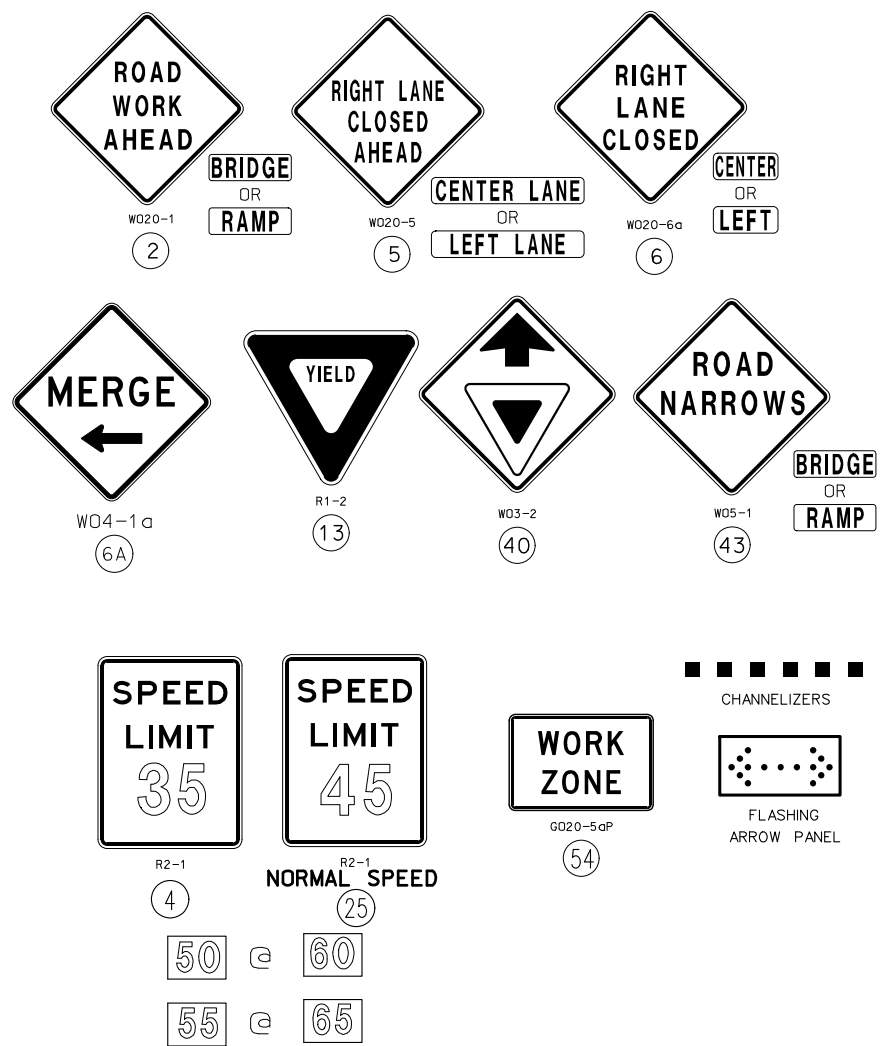
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



LANE CLOSURE  
ENTRANCE RAMP AREAS



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHTS ARE TO BE USED AT TAPER LOCATIONS.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).

THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

THE REDUCED SPEED LIMIT AND THE NORMAL SPEED LIMIT WILL VARY DEPENDING ON THE LOCATION OF THE TRAFFIC CONTROL SETUP. SEE THE 2BS SHEET FOR SIGN AVAILABILITY.

TEMPORARY  
TRAFFIC CONTROL  
WORK IN VICINITY  
OF ENTRANCE RAMP  
SHEET 12 OF 16

**STATE OF MISSOURI**  
CRAG SKORSEITH  
PROFESSIONAL ENGINEER  
NUMBER PE-2018002273

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DATE PREPARED: 7/18/2024

ROUTE 152 | STATE MO

DISTRICT KC | SHEET NO. 25

COUNTY CLAY

JOB NO. JKU0054

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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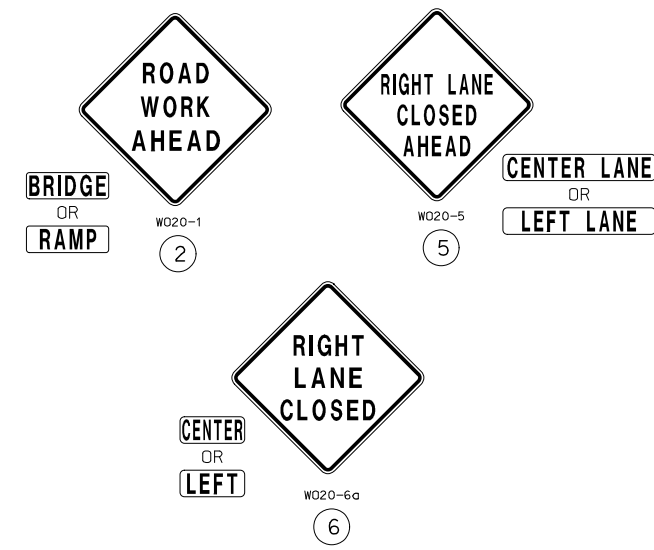
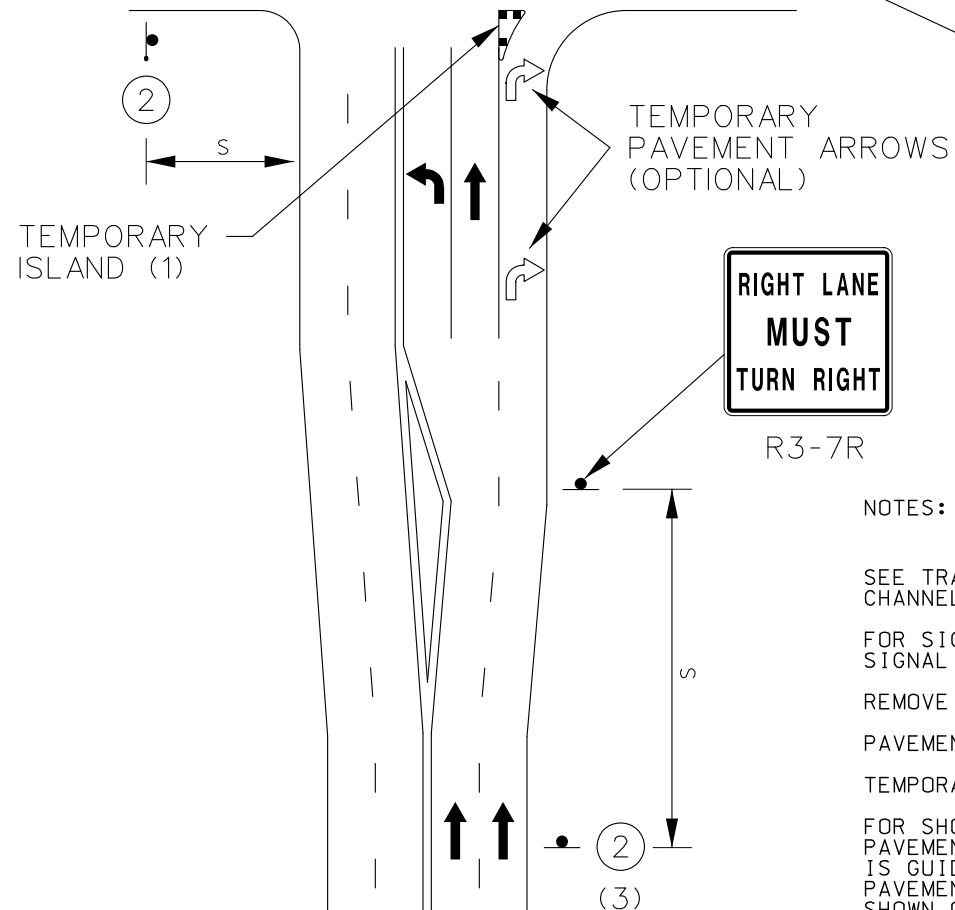
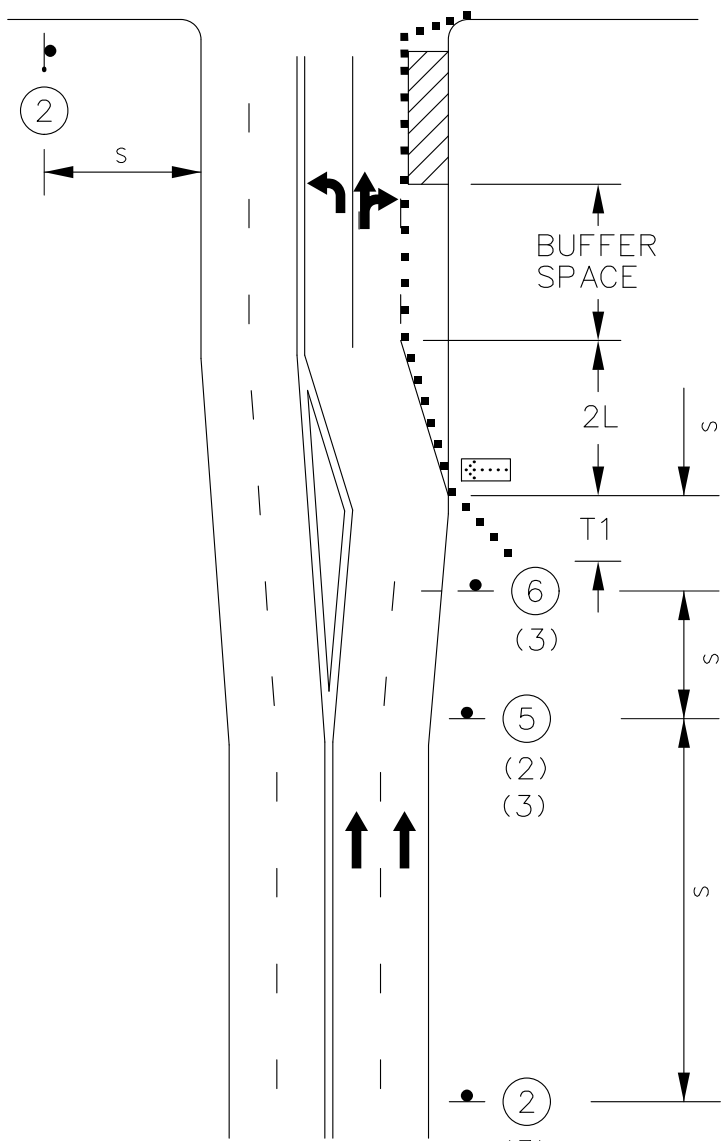
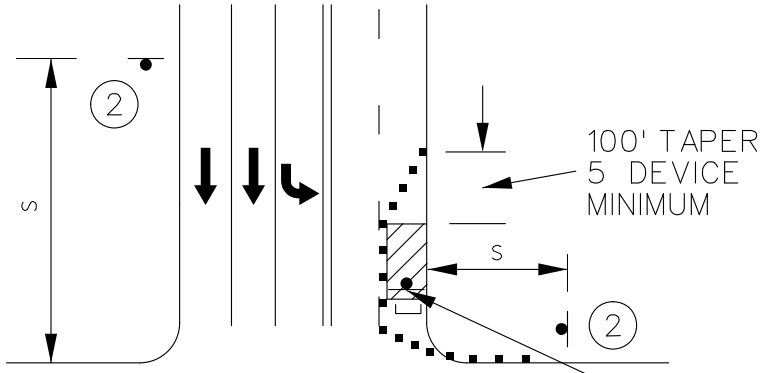
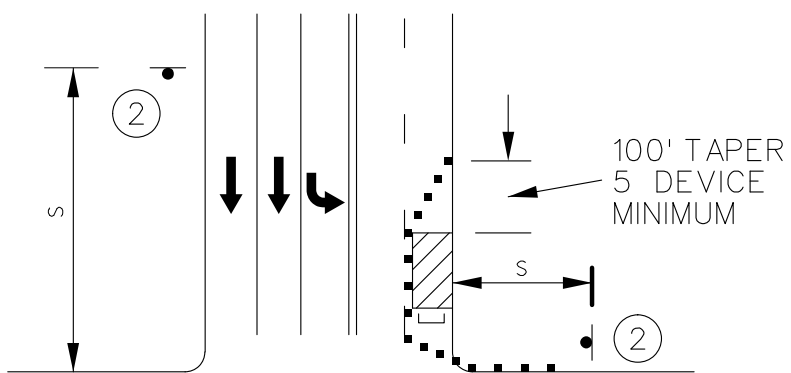
DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY

LANE CLOSURE  
RIGHT LANE CLOSURE AT INTERSECTION

RIGHT LANE CLOSURE  
AT INTERSECTION  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 13 OF 16

NOTES:

- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN ON TRAFFIC CONTROL SHEET 1.
- THIS FIGURE ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH VOLUME.
- (1). TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.
- (2). SIGN ⑤ MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (3). SIGN MAY ALSO BE PLACED IN THE MEDIAN OF THE ROADWAY IF THERE IS SUFFICIENT ROOM BETWEEN EASTBOUND AND WESTBOUND LANES.



DATE PREPARED 7/18/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 26
COUNTY CLAY	
JOB NO. JKU0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

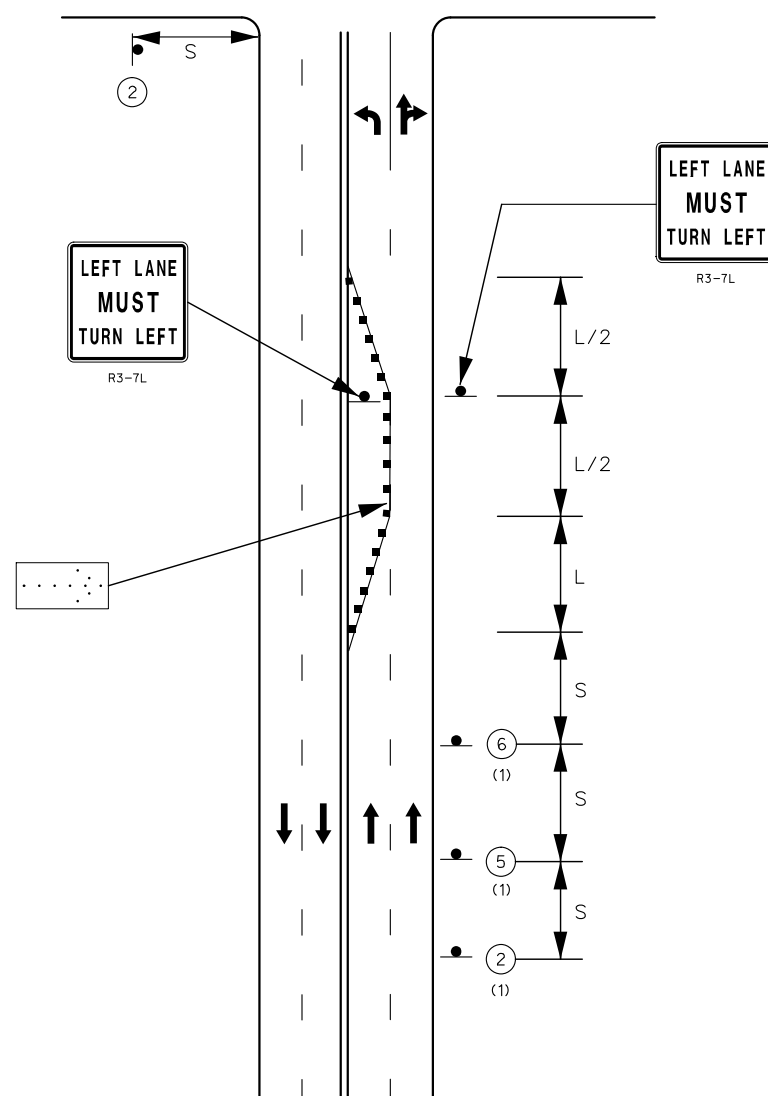
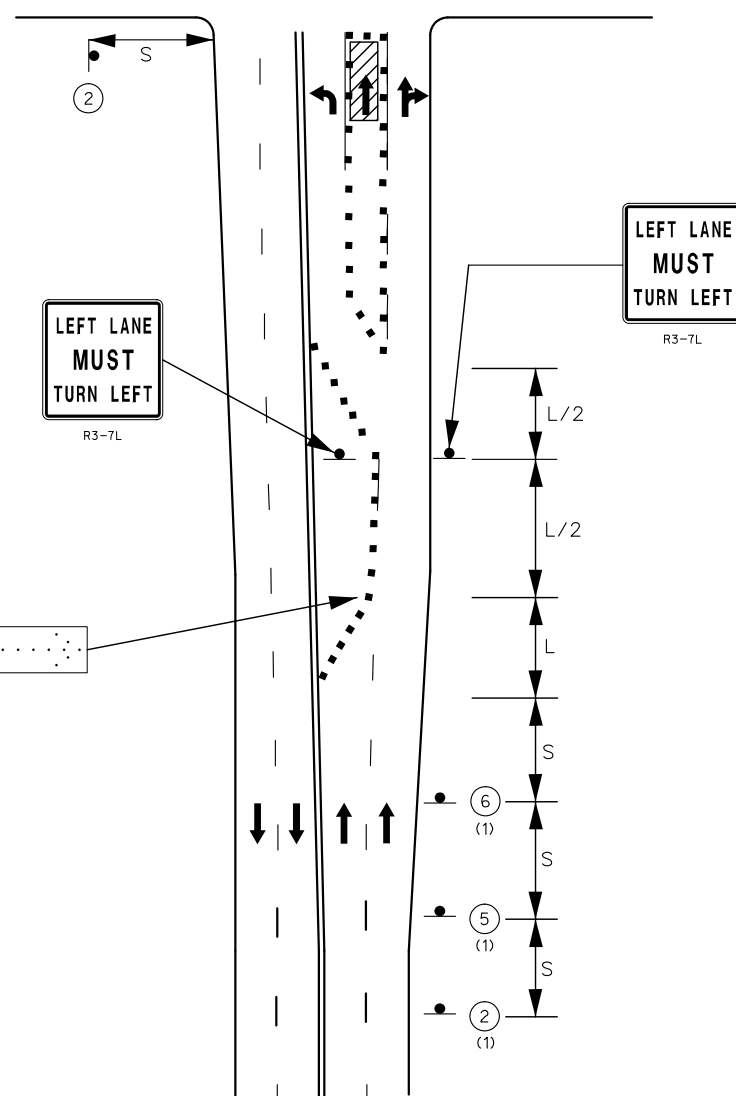
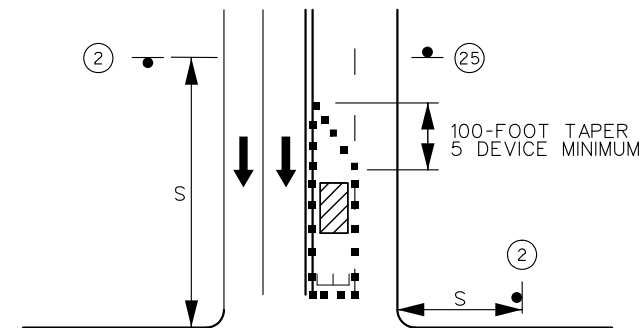
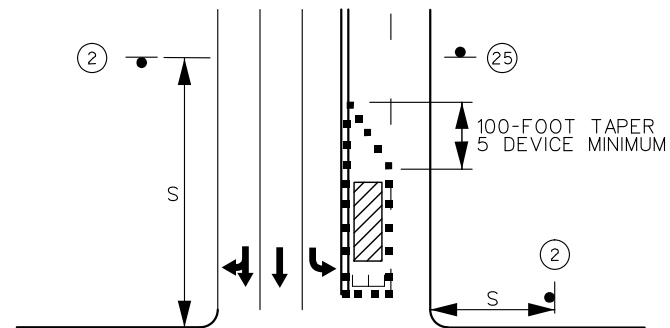
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

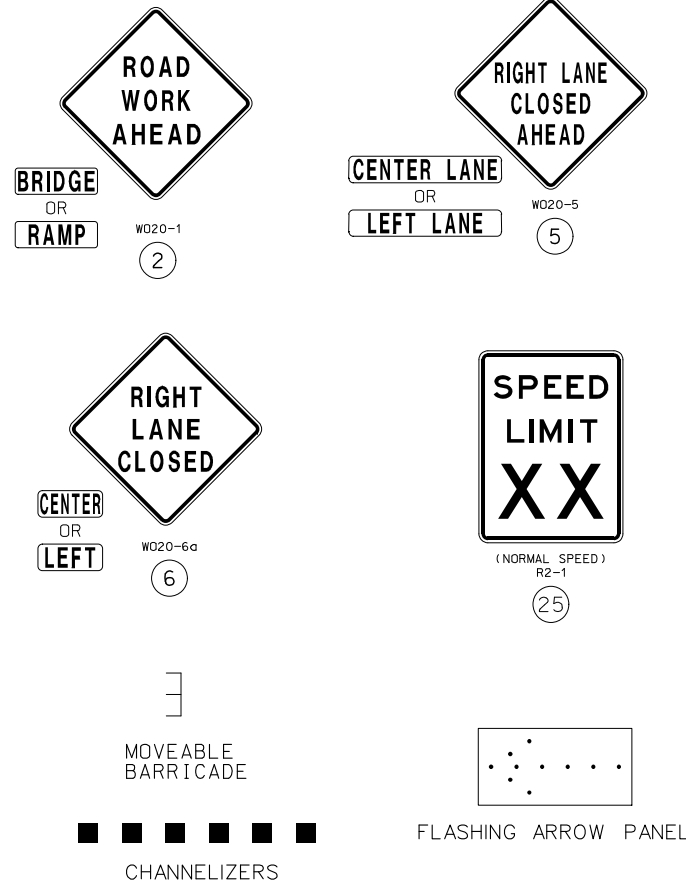




LEFT LANE CLOSURE  
AT INTERSECTION

LEFT LANE CLOSURE  
AT INTERSECTION

LEFT LANE CLOSURE AT INTERSECTION  
WORK ON FAR SIDE ONLY  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 14 OF 16



NOTE:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

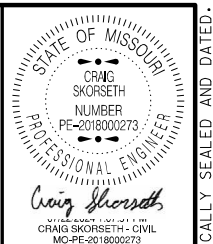
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FOOT DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

"LEFT LANE CLOSED AHEAD" SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOW THIS PLACEMENT.

(1). SIGN MAY ALSO BE PLACED IN THE MEDIAN OF THE ROADWAY IF THERE IS SUFFICIENT ROOM BETWEEN EASTBOUND AND WESTBOUND LANES.

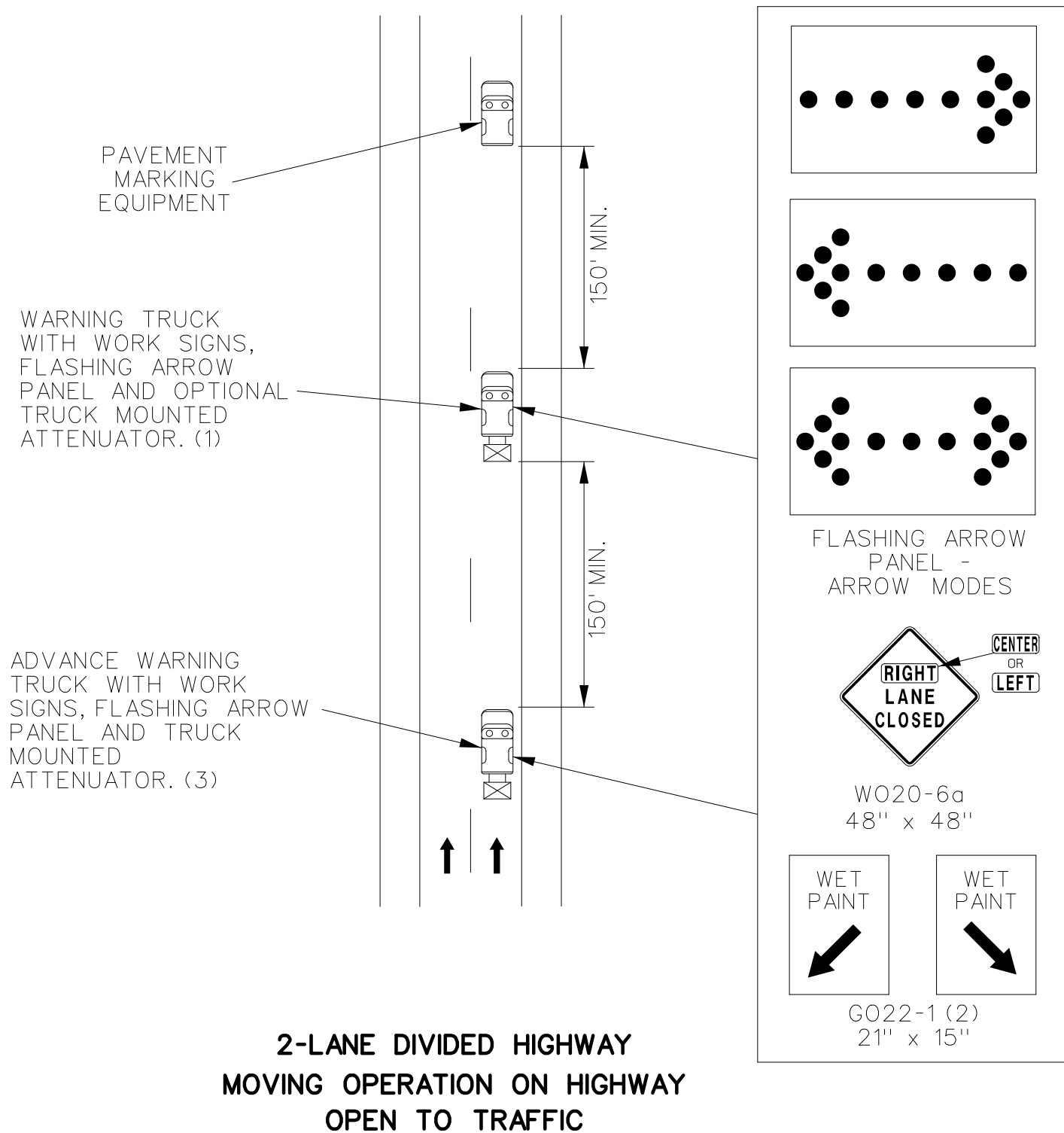


DATE PREPARED  
7/18/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 27  
COUNTY CLAY  
JOB NO. JKU0054  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
MoDOT  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



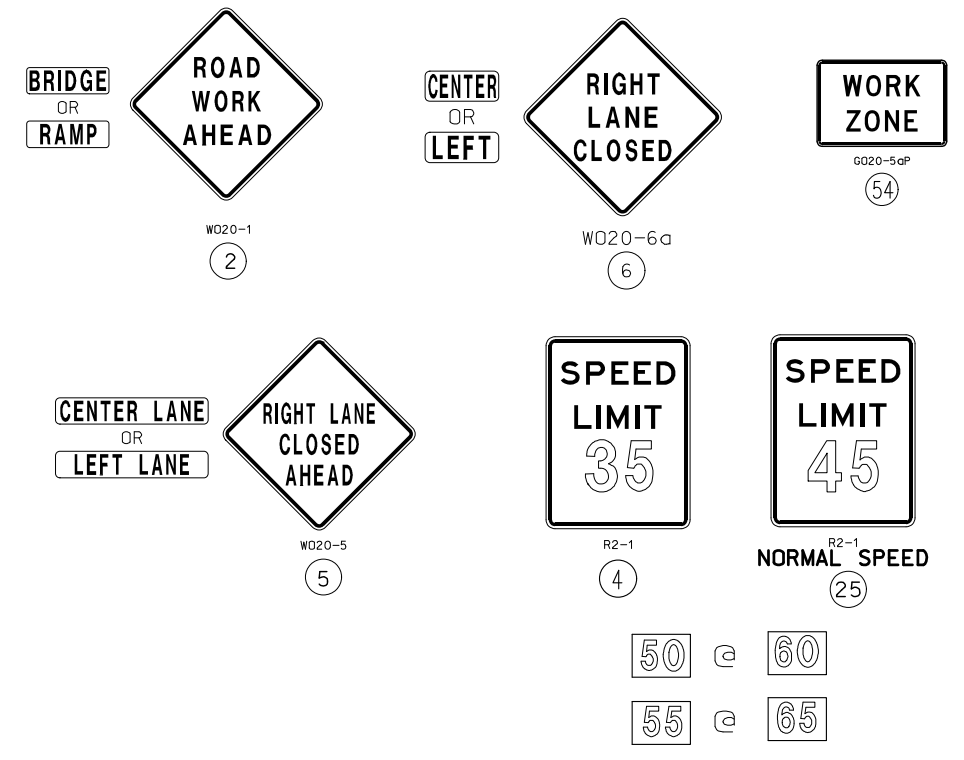
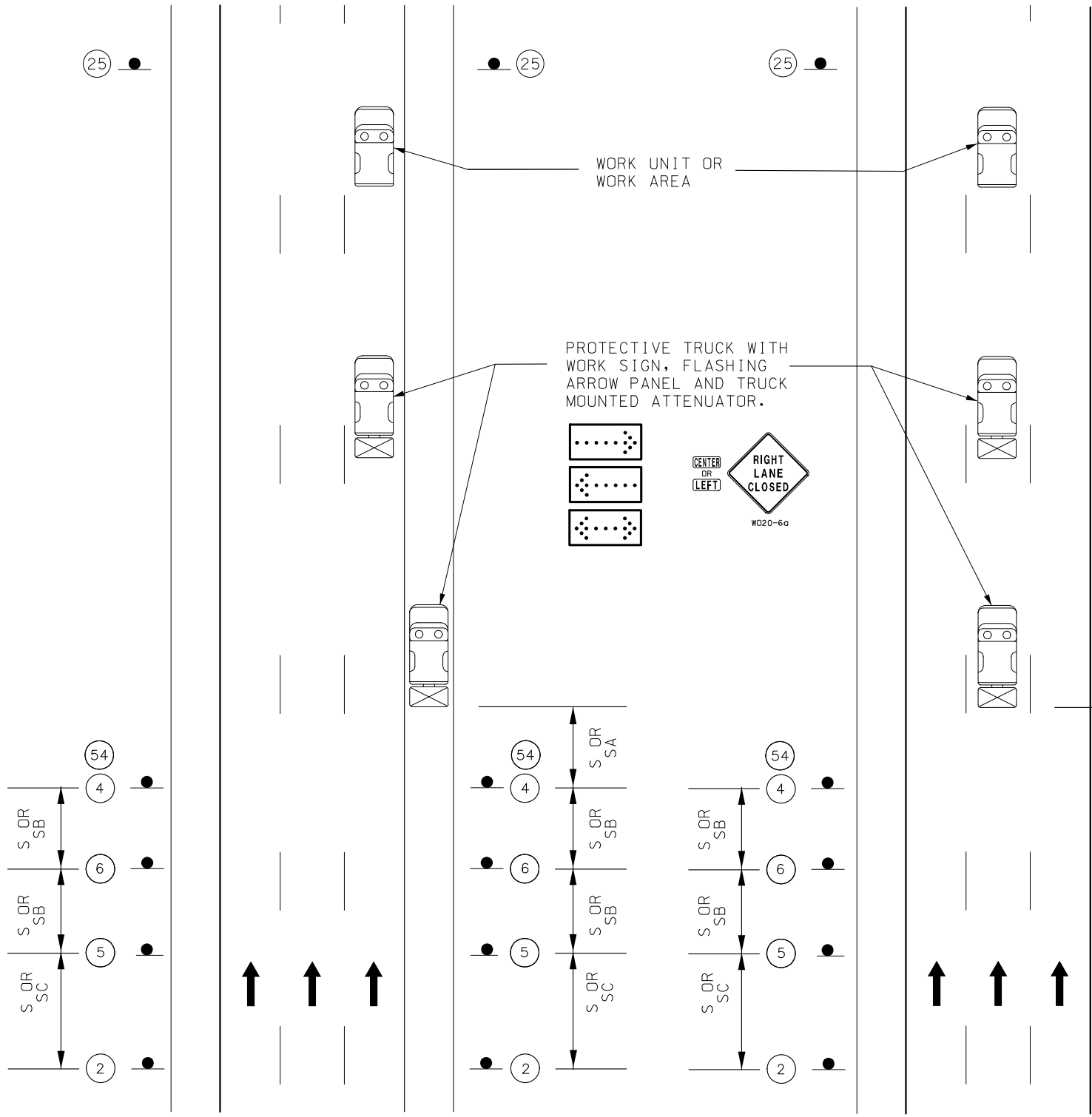
**2-LANE DIVIDED HIGHWAY  
MOVING OPERATION ON HIGHWAY  
OPEN TO TRAFFIC**

**NOTES:**

- ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.
- UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.
- PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- (1). TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.
- (2). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.
- (3). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

DATE PREPARED <b>6/26/2024</b>	
ROUTE	STATE
<b>152</b>	<b>MO</b>
DISTRICT	SHEET NO.
<b>KC</b>	<b>28</b>
COUNTY <b>CLAY</b>	
JOB NO. <b>JKU0054</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	<p>105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)</p>

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NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING CHANNELIZING TAPER LENGTHS.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE LANE IS CLOSED A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

**MOVING OPERATION ON MULTI-LANE DIVIDED HIGHWAY OPEN TO TRAFFIC**

MOBILE OPERATION ON DIVIDED OR MULTI-LANE HIGHWAYS TEMPORARY TRAFFIC CONTROL SHEET 16 OF 16

STATE OF MISSOURI  
CRAG SKORSETH  
NUMBER PE-2018000273  
PROFESSIONAL ENGINEER  
*Craig Skorseth*

DATE PREPARED: 7/18/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 29

COUNTY: CLAY  
JOB NO.: JKU0054  
CONTRACT ID.:  
PROJECT NO.:  
BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

**MoDOT**

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