

DESIGN DESIGNATION

A.A.D.T. - 2024 = 1800
 A.A.D.T. - 2045 = 23000
 D.H.V. 3%
 T = 10%
 V = 40, 45, AND 55 MPH
 D= 50%

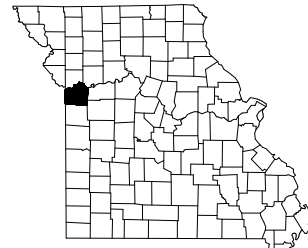
FUNCTIONAL CLASSIFICATION:
 ROUTE 150 - MAJOR COLLECTOR
 SW RAINTREE DR - LOCAL

RIGHT OF WAY IS NOT REQUIRED

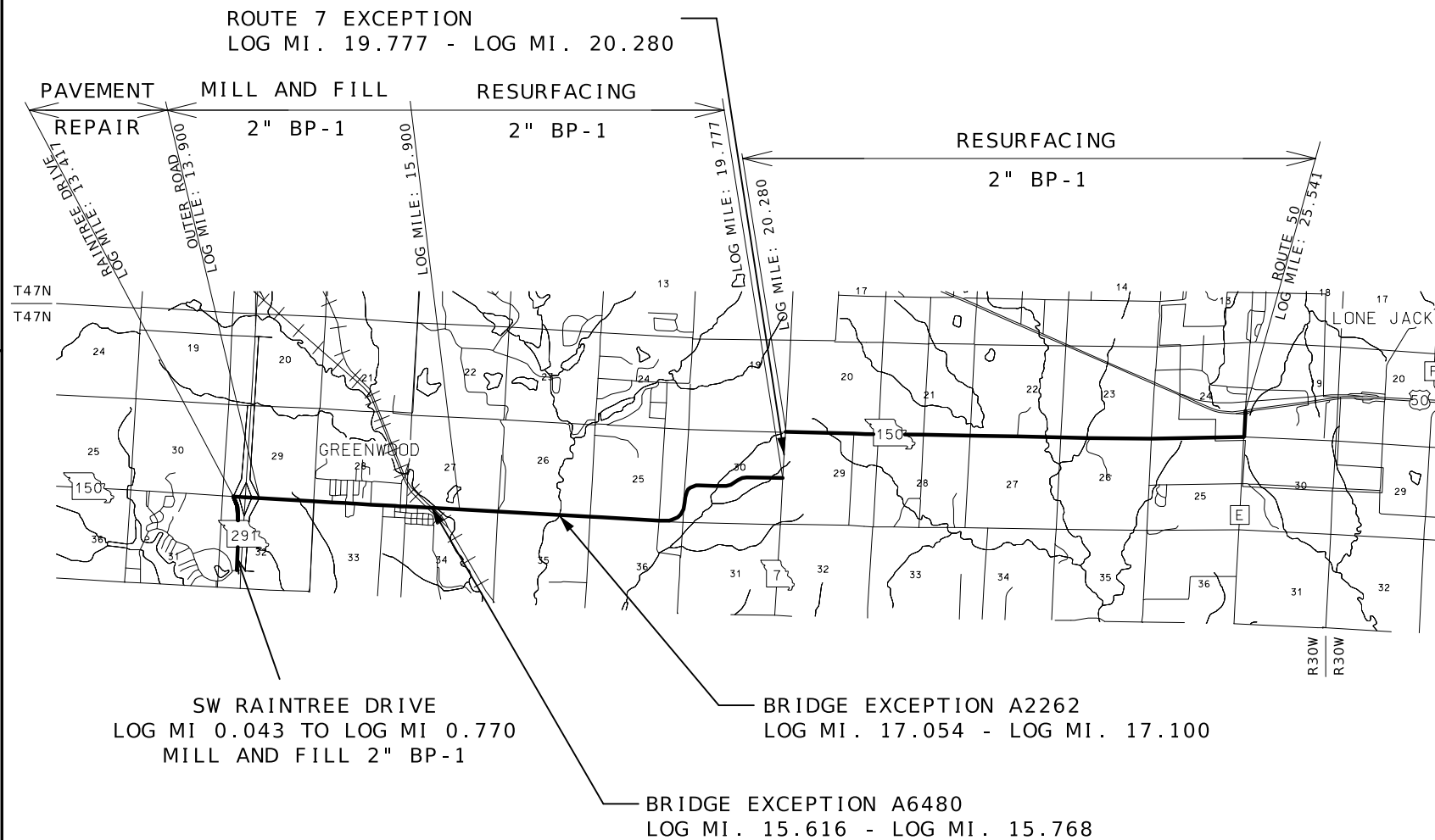
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

JACKSON COUNTY



KEY MAP
 LOCATION OF JACKSON 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		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
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QUANTITIES (QU) (5 SHEETS)-----	3
PLAN-PROFILE (PP)	4-7
SPECIAL SHEETS (SS)-----	8-9
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DATE PREPARED
 11/20/2024
 ROUTE 150 STATE MO
 DISTRICT KC SHEET NO. 1
 COUNTY JACKSON
 JOB NO. JKU0043
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

LENGTH OF PROJECT

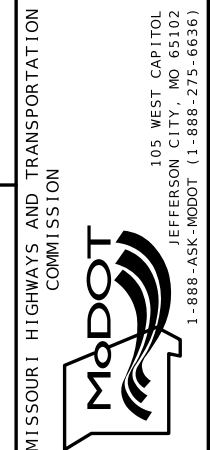
ROUTE 150:	
BEGINNING OF PROJECT	LOG MILE 13.417
END OF PROJECT	LOG MILE 25.541
APPARENT LENGTH	64,014.720 FEET

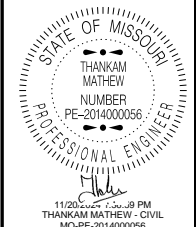
EQUATIONS AND EXCEPTIONS:

BRIDGE NO. A6480	802.560 FEET
BRIDGE NO. A2262	242.880 FEET
ROUTE 7	2,655.840 FEET

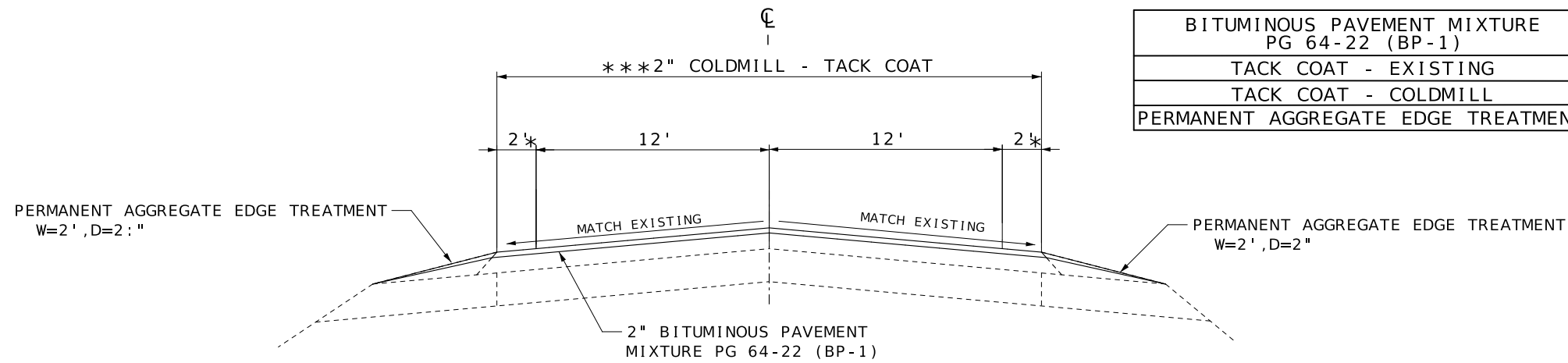
TOTAL CORRECTIONS	3,701.280 FEET
NET LENGTH OF PROJECT	60,313.440 FEET
STATE LENGTH	11.423 MILES

FOR INFORMATION ONLY
 ESTIMATED DISTURBED ACRES 0 ACRES





BITUMINOUS PAVEMENT MIXTURE PG 64-22 (BP-1)	1.984 TON/YD ³
TACK COAT - EXISTING	.08 GAL/YD ²
TACK COAT - COLDMILL	.10 GAL/YD ²
PERMANENT AGGREGATE EDGE TREATMENT	2 TONS/CY



TYPICAL SECTION
ROUTE 150

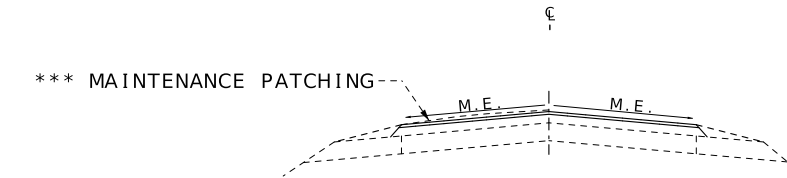
- LOG MI. 13.900 - LOG MI. 14.180
- LOG MI. 14.519 - LOG MI. 14.539
- LOG MI. 14.650 - LOG MI. 15.080
- LOG MI. 15.220 - LOG MI. 15.616
- LOG MI. 15.768 - LOG MI. 15.900

*LOG MI. 13.900 - LOG MI. 13.911
SHLDR. = 4'

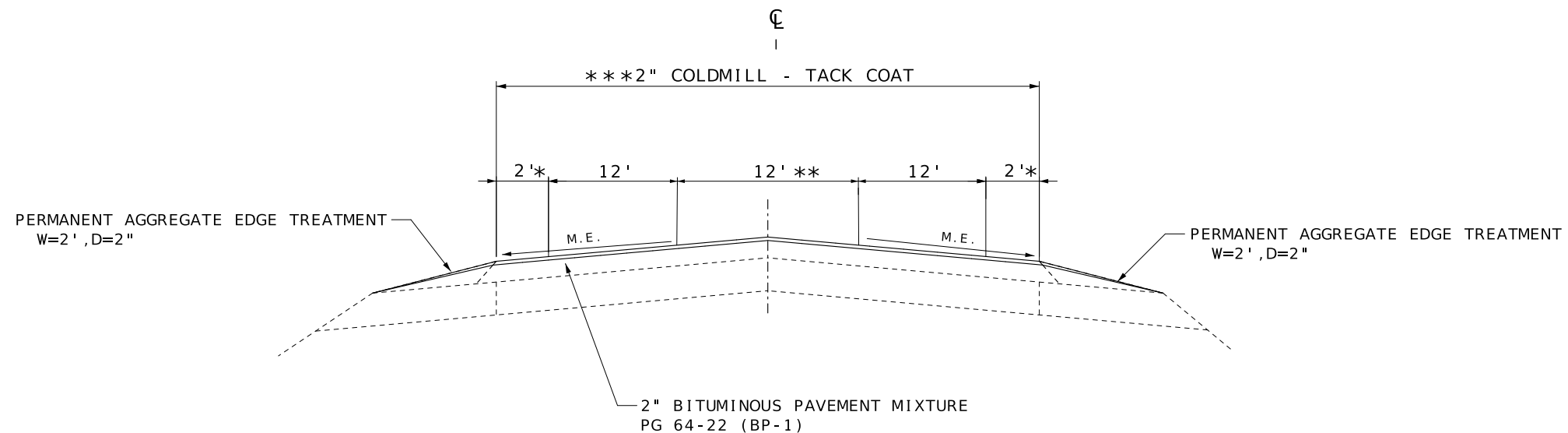
*LOG MI. 15.768 - LOG MI. 15.840
SHLDR. = 10'

EXCEPTIONS
BRIDGE A6480

LOG MI. 15.616 - LOG MI. 15.768



- *** NOTES:
- IN MAINTENANCE PATCH AREAS, COLDMILLING SHALL MATCH ADJACENT LANE CROSS SLOPE.
 - COLDMILLING MAINTENANCE PATCHES WITH >2" COLDMILLING ON ROUTE 150 SHALL BE CONSIDERED INCIDENTAL TO COST.



TYPICAL SECTION
ROUTE 150

- LOG MI. 14.180 - LOG MI. 14.519
- LOG MI. 14.539 - LOG MI. 14.650
- LOG MI. 15.080 - LOG MI. 15.220

*LOG MI. 14.440 - LOG MI. 14.519
SHLDR. = 0'

**LOG MI. 14.180 - LOG MI. 14.298
LOG MI. 14.539 - LOG MI. 14.585
LOG MI. 15.080 - LOG MI. 15.160
W = 0' - 12'

**LOG MI. 14.490 - LOG MI. 14.519
LOG MI. 14.599 - LOG MI. 14.650
LOG MI. 15.180 - LOG MI. 15.220
W = 12' - 0'

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



THANKAM
MATHEW
NUMBER
PE-2014000066
PROFESSIONAL ENGINEER

DATE PREPARED
11/20/2024

ROUTE 150 STATE MO

DISTRICT KC SHEET NO. 2

COUNTY JACKSON

JOB NO. JKU0043


CONTRACT ID.

PROJECT NO.

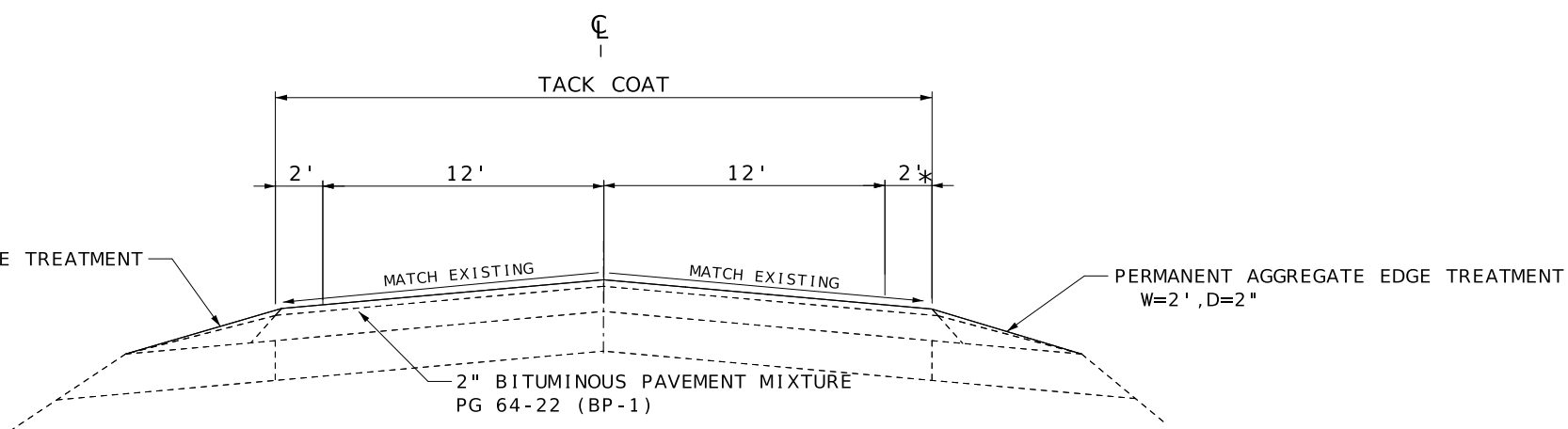
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



TYPICAL SECTION

ROUTE 150

LOG MI. 15.900 - LOG MI. 16.420
 LOG MI. 16.620 - LOG MI. 17.054
 LOG MI. 17.100 - LOG MI. 19.718
 LOG MI. 20.280 - LOG MI. 25.541

EXCEPTIONS

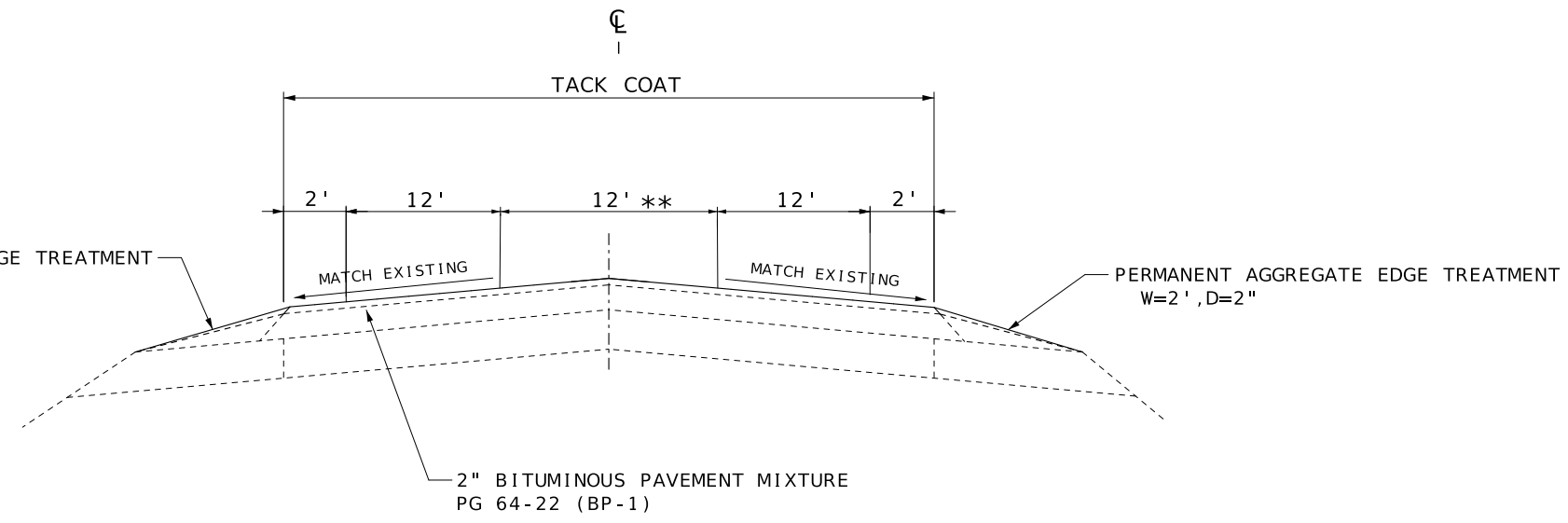
BRIDGE A2262

LOG MI. 17.054 - LOG MI. 17.100

ROUTE 7

LOG MI. 19.777 - LOG MI. 20.280

* LOG MI. 25.481 - LOG MI. 25.541
SHLDR. = 10'



TYPICAL SECTION

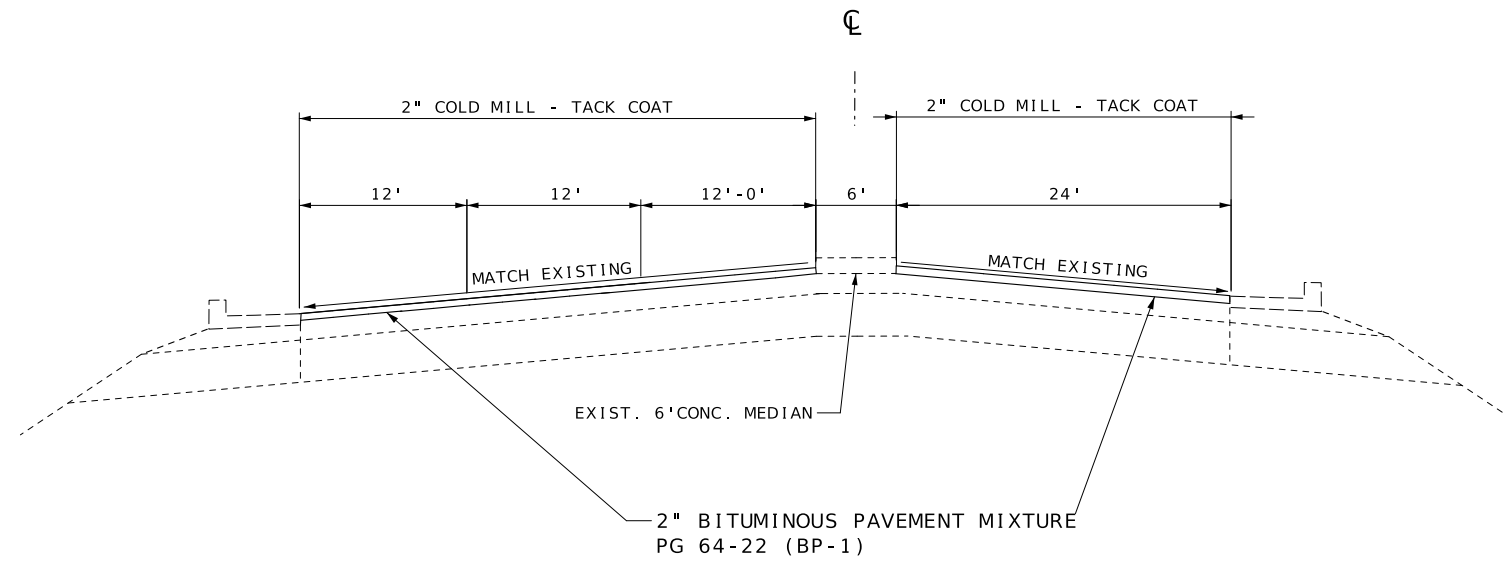
ROUTE 150

LOG MI. 16.420 - LOG MI. 16.620
 LOG MI. 19.718 - LOG MI. 19.777

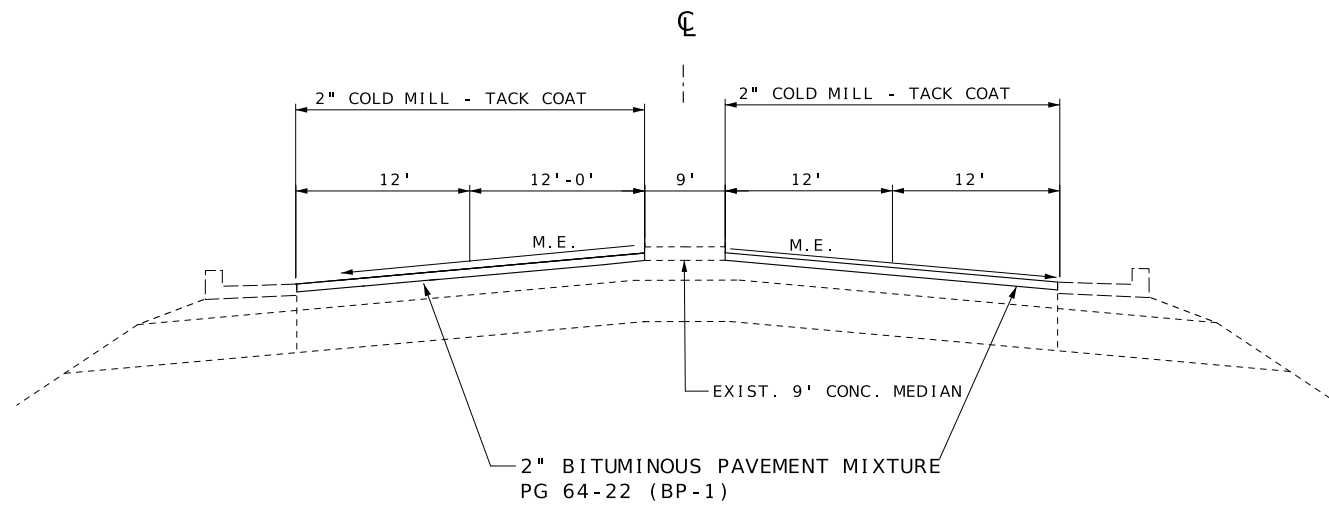
**LOG MI. 16.420 - LOG MI. 16.479
W= 0'-12'

**LOG MI. 16.499 - LOG MI. 16.620
W= 12-0'

**LOG MI. 19.718 - LOG MI. 19.777
W= 0'- 12'



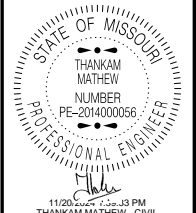
TYPICAL SECTION
SW RAINTREE DR
LOG MI. 0.043 - LOG MI. 0.063



TYPICAL SECTION
SW RAINTREE DR
LOG MI. 0.063 - LOG MI. 0.070
LOG MI. 0.083 - LOG MI. 0.093

M.E. = MATCH EXISTING

TYPICAL SECTION SHEET
SW RAINTREE DR
MILL AND FILL
SHEET 3 OF 6



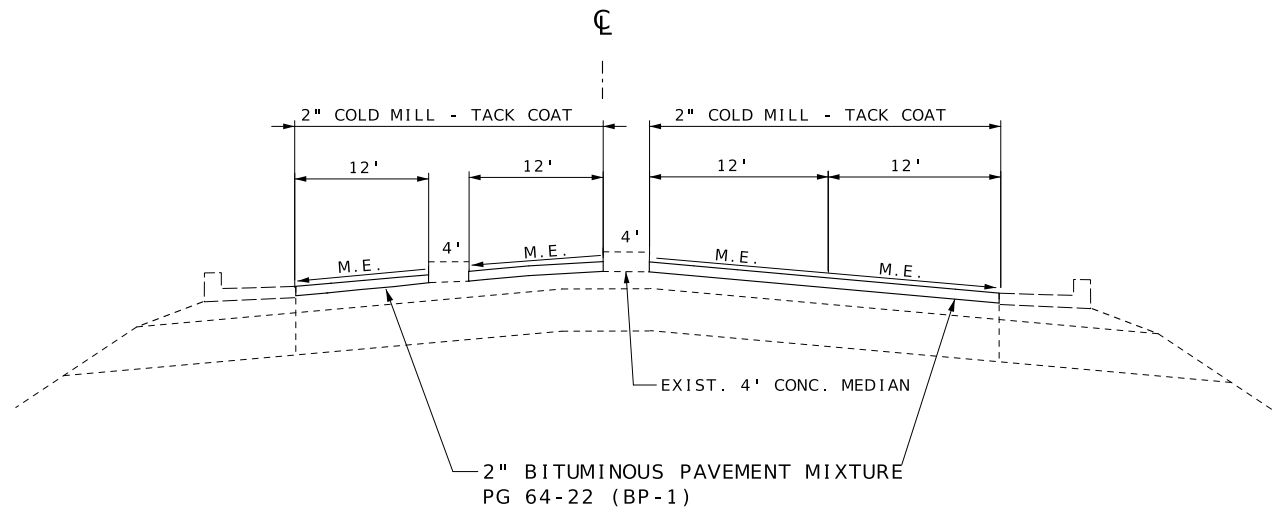
DATE PREPARED
11/20/2024

ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY JACKSON	
JOB NO. JKU0043	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

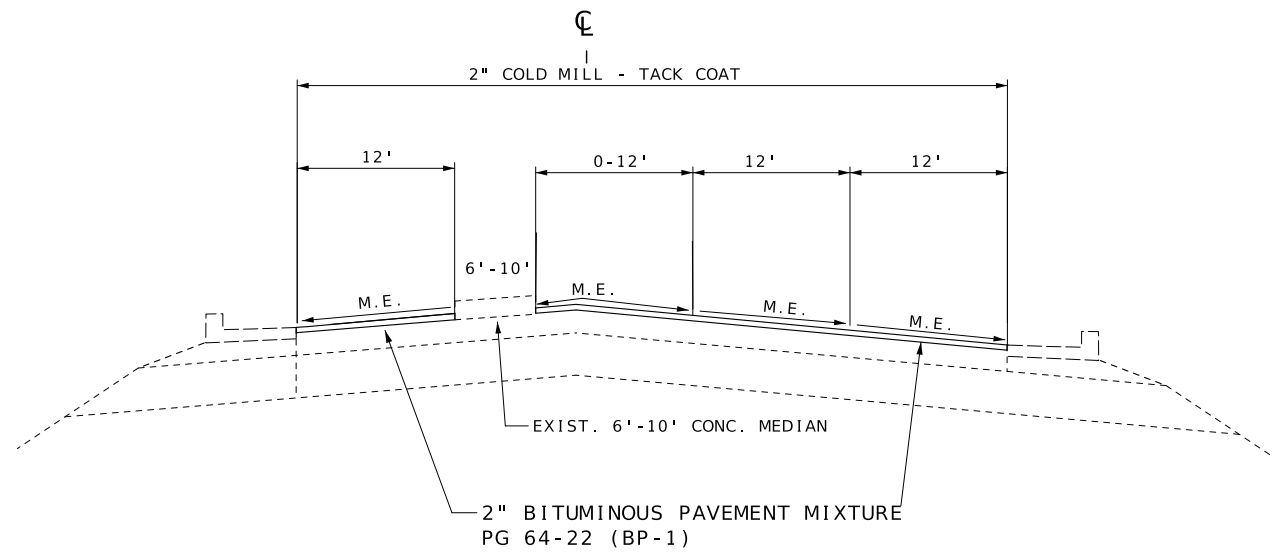
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

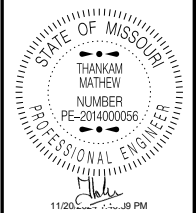


TYPICAL SECTION
 SW RAINTREE DR
 LOG MI. 0.070 - LOG MI. 0.083



TYPICAL SECTION
 SW RAINTREE DR
 LOG MI. 0.093 - LOG MI. 0.123

TYPICAL SECTION SHEET
 SW RAINTREE DR
 MILL AND FILL
 SHEET 4 OF 6

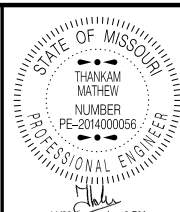


DATE PREPARED
 11/20/2024
 ROUTE 150 STATE MO
 DISTRICT KC SHEET NO. 2
 COUNTY JACKSON
 JOB NO. JKU0043
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

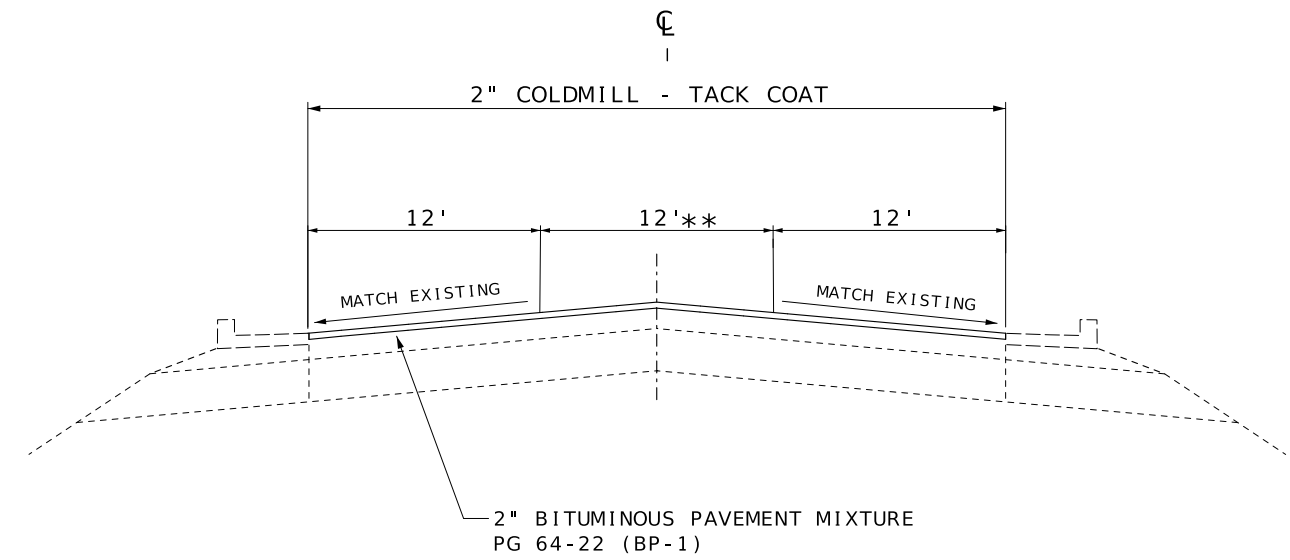
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)





DATE PREPARED
11/20/2024

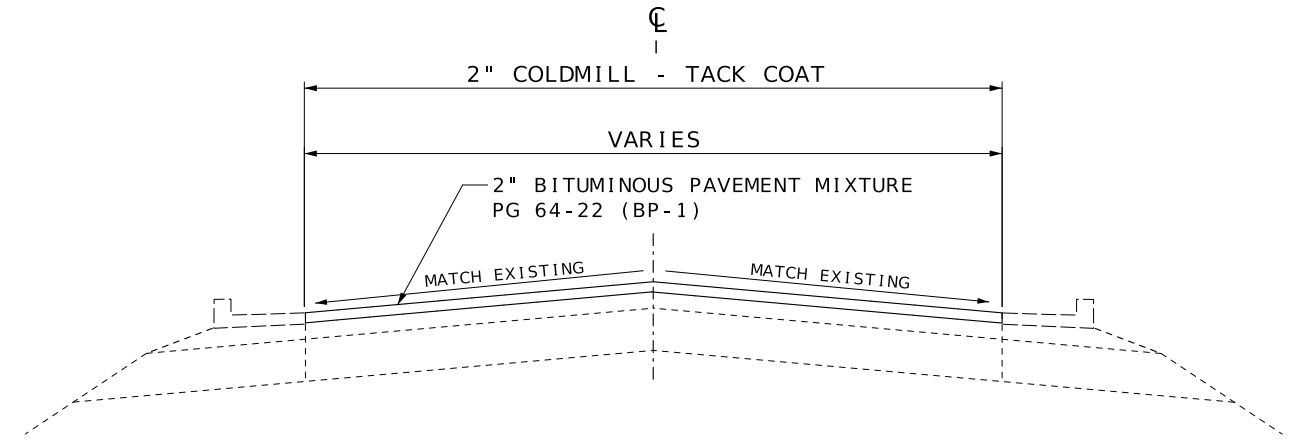
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY JACKSON	
JOB NO. JKU0043	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



TYPICAL SECTION
SW RAINTREE DR

LOG MI. 0.123 - LOG MI. 0.182
LOG MI. 0.202 - LOG MI. 0.242

**LOG MI. 0.123 - LOG MI. 0.182
W= 12'-0'
**LOG MI. 0.202 - LOG MI. 0.242
W= 0'-12'



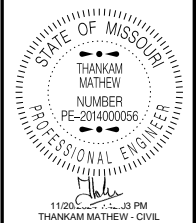
TYPICAL SECTION
SW RAINTREE DR

LOG MI. 0.182 - LOG MI. 0.202

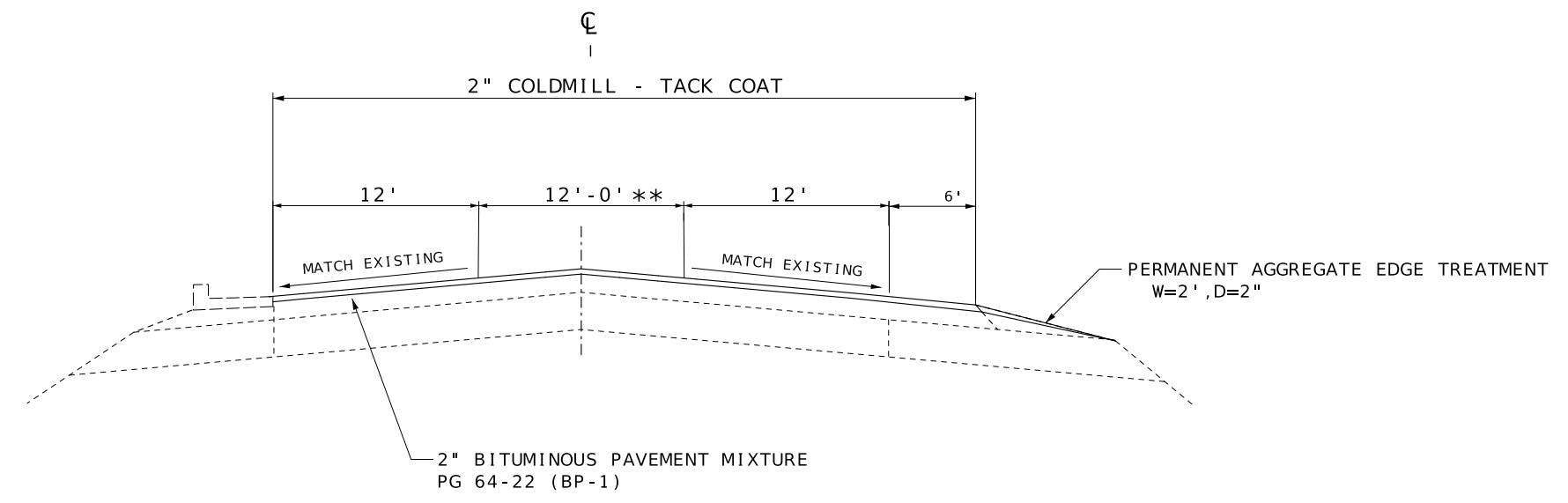
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

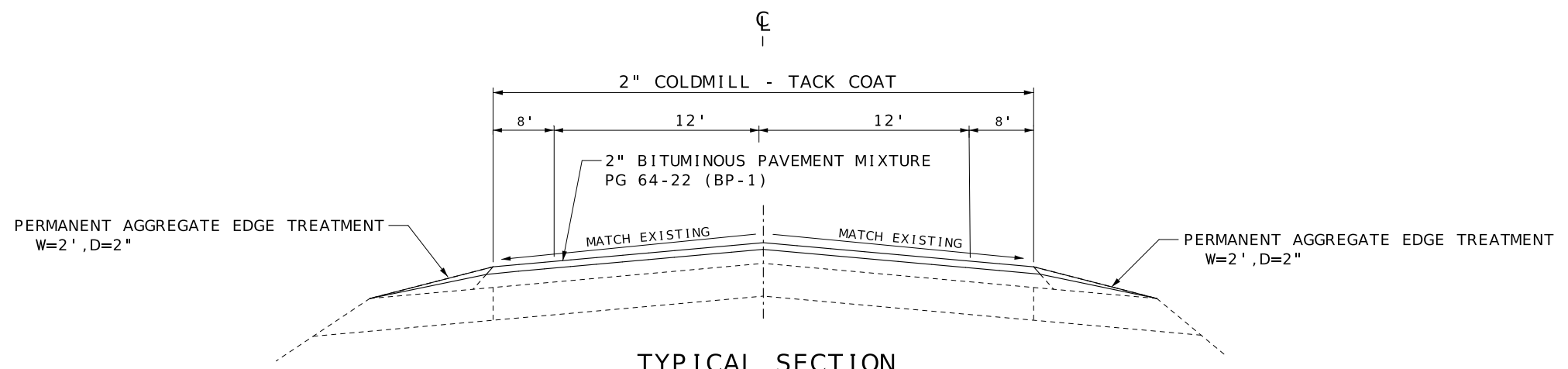


DATE PREPARED	
11/20/2024	
ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	2
COUNTY	
JACKSON	
JOB NO.	
JKU0043	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



TYPICAL SECTION
SW RAIN TREE DR
LOG MI. 0.242 - LOG MI. 0.303


**LOG MI. 0.263 - LOG MI. 0.303
W=12'-0'



TYPICAL SECTION
SW RAIN TREE DR
LOG MI. 0.303 - LOG MI. 0.770

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



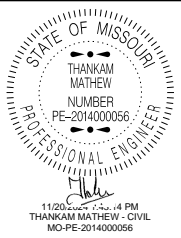
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REMOVAL OF IMPROVEMENTS - LUMP SUM =1				
LOG MILE	LOG MILE	ITEM	QUANTITY	UNIT
13.417	13.919	CURB REPAIR - AS ADVISED BY THE ENGINEER	100.0	(FT)
13.417	13.919	SAW CUT	100.0	(FT)
13.427	13.427	CONCRETE MEDIAN ISLAND	32.8	(SY)
13.427	13.427	SAW CUT	32.8	(SY)
13.427	13.427	CONCRETE MEDIAN ISLAND JOINT	1.7	(SY)
13.427	13.427	SAW CUT	1.7	(SY)
13.547	13.547	CURB	14.4	(FT)
13.547	13.547	SAW CUT	14.4	(FT)
13.547	13.547	CURB	4.4	(FT)
13.547	13.547	SAW CUT	4.4	(FT)
13.660	13.660	MEDIAN	6.6	(SY)
13.660	13.660	SAW CUT	6.6	(SY)
13.680	13.680	CURB	33.3	(FT)
13.680	13.680	SAW CUT	33.3	(FT)
13.680	13.680	CURB	11.1	(FT)
13.680	13.680	SAW CUT	11.1	(FT)
13.816	13.816	CONCRETE MEDIAN ISLAND	22.3	(SY)
13.816	13.816	SAW CUT	22.3	(SY)
13.816	13.816	CONCRETE MEDIAN ISLAND	25.0	(SY)
13.816	13.816	SAW CUT	25.0	(SY)
15.461	15.471	EXISTING GUARDRAIL	62.5	(FT)
15.568	15.628	EXISTING GUARDRAIL	300.0	(FT)
15.568	15.628	EXISTING GUARDRAIL	237.5	(FT)
15.768	15.788	EXISTING GUARDRAIL	75.0	(FT)
15.788	15.848	EXISTING GUARDRAIL	275.0	(FT)
15.842	15.854	EXISTING GUARDRAIL	62.5	(FT)
17.048	17.068	EXISTING GUARDRAIL	150.0	(FT)
17.048	17.068	EXISTING GUARDRAIL	137.5	(FT)
17.108	17.128	EXISTING GUARDRAIL	162.5	(FT)
17.108	17.128	EXISTING GUARDRAIL	162.5	(FT)
18.277	18.384	EXISTING GUARDRAIL	562.5	(FT)
18.318	18.385	EXISTING GUARDRAIL	375.0	(FT)
20.820	20.876	EXISTING GUARDRAIL	312.5	(FT)
22.530	22.573	EXISTING GUARDRAIL	250.0	(FT)
22.530	22.602	EXISTING GUARDRAIL	400.0	(FT)
23.077	23.155	EXISTING GUARDRAIL	412.5	(FT)
23.091	23.160	EXISTING GUARDRAIL	337.5	(FT)
23.530	23.575	EXISTING GUARDRAIL	287.5	(FT)
23.537	23.618	EXISTING GUARDRAIL	412.5	(FT)
24.451	24.479	EXISTING GUARDRAIL	212.5	(FT)

PAVEMENT MARKING REMOVALS					
LOG MILE	STRIPING	SYMBOLS			REMARKS
	24" WHITE	LT/RT ARROW	STRAIGHT ARROW	COMBINATION STR/LT/RT ARROW	
	LF	EA	EA	EA	
13.417 - 13.900	207	9			EB ROUTE 150
11.815 - 12.223	132	10	3	1	WB ROUTE 150
SUB TOTAL	339	19	3	1	
PAY TOTAL	339	23			

GUARDRAIL								
LOG MILE START	LOG MILE END	LOCATION	EXISTING LENGTH LF	MGS GR LF	MGS TYPE A (MASH) EA	MGS BRIDGE APPR. TRANS SECT EA	SHAPING CLASS III SLOPES 100 FT	REMARKS
15.461	15.471	NORTHWEST SIDE BEFORE RR OVERPASS	62.50	0.00	1	1	0.75	
15.568	15.628	SOUTHWEST SIDE OF RR OVERPASS	300.00	212.50	1	1	0.75	A6480
15.568	15.628	NORTHWEST SIDE OF RR OVERPASS	237.50	150.00	1	1	0.75	A6480
15.768	15.788	NORTHEST SIDE OF RR OVERPASS	75.00	0.00	1	1	0.75	A6480
15.788	15.848	SOUTHEAST SIDE OF RR OVERPASS	275.00	187.50	1	1	0.75	A6480
15.842	15.854	SOUTHEAST SIDE AFTER RR OVERPASS	62.50	0.00	1	1	0.75	
17.048	17.068	SOUTHWEST SIDE OF BRIDGE	150.00	62.50	1	1	0.75	A2262
17.048	17.068	NORTHWEST SIDE OF BRIDGE	137.50	50.00	1	1	0.75	A2262
17.108	17.128	SOUTHEAST SIDE OF BRIDGE	162.50	75.00	1	1	0.75	A2262
17.108	17.128	NORTHEAST SIDE OF BRIDGE	162.50	75.00	1	1	0.75	A2262
18.277	18.384	SOUTH SIDE - CULVERT	562.50	462.50	2		1.50	
18.318	18.385	NORTH SIDE - CULVERT	375.00	275.00	2		1.50	
20.820	20.876	NORTH SIDE - CULVERT	312.50	212.50	2		1.50	0.19 MILE WEST OF KENNEDY RD.
22.530	22.573	SOUTH SIDE - CULVERT	250.00	150.00	2		1.50	515' WEST OF WOODLAND RNCH RD- ROUTE 150
22.530	22.602	NORTH SIDE - CULVERT	400.00	300.00	2		1.50	515' WEST OF WOODLAND RNCH RD- ROUTE 150
23.077	23.155	SOUTH SIDE - CULVERT	412.50	312.50	2		1.50	580' EAST OF CRAFORD CRK CIR
23.091	23.160	NORTH SIDE - CULVERT	337.50	237.50	2		1.50	580' EAST OF CRAFORD CRK CIR
23.530	23.575	SOUTH SIDE - CULVERT	287.50	187.50	2		1.50	0.70 MILE WEST OF HUT RD
23.537	23.618	NORTH SIDE - CULVERT	412.50	312.50	2		1.50	0.70 MILE WEST OF HUT RD
24.451	24.479	NORTH SIDE - CULVERT	212.50	112.50	2		1.50	0.80 MILE WEST OF ROUTE E
		PAY TOTAL		3375	30	10	23	

SUMMARY OF QUANTITIES SHEET 1 OF 5

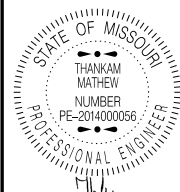


DATE PREPARED
11/20/2024
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE





11/20/2024 2:53:30 PM
 THANKAM MATHEW - CIVIL
 MO-PE-2014000056

DATE PREPARED
 11/20/2024

ROUTE STATE
 150 MO

DISTRICT SHEET NO.
 KC 3

COUNTY
 JACKSON

JOB NO.
 JKU0043

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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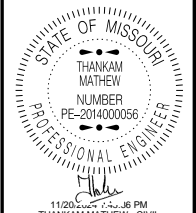
DATE

PAVEMENT MARKING - PREFORMED THERMOPLASTIC										
LOG MILE	LOG MILE	LENGTH LF	4" SOLID WHITE LF	24" WHITE LF	24" YELLOW LF	LT/ RT ARROW EA	STRAIGHT ARROW EA	COMBINATION STR/LT/RT ARROW EA	30" WHITE MIDBLOCK EA	REMARKS
ROUTE 150										
13.437	13.460	121.44	187.00	87						
13.477	13.498	110.88				1				
13.498	13.518	105.60				1				
13.518	13.557	205.92				1				
13.557	13.577	105.60		36						
13.577	13.622	237.60				1				NB 291 INTERSECTION
13.622	13.639	89.76				1				NB 291 INTERSECTION
13.639	13.662	121.44		24		2				TWO TURN LANES
13.662	13.679	89.76		24						
13.760	13.800	211.20				2				E OUTER RD INTERSECTION
13.800	13.806	31.68		36						
12.223	12.084	733.92		36		5				WB 150
12.084	12.080	21.12		24						
12.080	12.043	195.36		12		2				TURN LANE
11.965	11.943	116.16		24		1	2			
11.943	11.925	95.04				1				
11.842	11.822	105.60		36						
11.822	11.815	36.96				1	1	1		
14.185	14.239	285.12			75					
14.249	14.285	190.08				2				SE COBEY CREEK DR LEFT TURN
14.31	14.375	348.48			75					
14.38	14.399	126.72				2				DOC HENRY LEFT TURN
14.42	14.439	105.60				2				DOC HENRY RIGHT TURN
14.44	14.499	316.80				4				DOLLAR STORE ENTRANCE
14.5	14.519	105.60			25					
14.57	14.585	84.48				1				WEST MAIN STREET LEFT TURN
14.6	14.619	105.60				1				WEST MAIN STREET RIGHT TURN
15.12	15.13	52.80				1				CASEY'S
15.13	15.15	105.60		12						SB ALLENDALE LAKE RD LIGHT
15.17	15.175	26.40		24		1				NB ALLENDALE LAKE RF LIGHT AND TURN LANE
15.54	15.541	0.00						9		CROSSWALK
16.44	16.482	248.16				3				SB WOODLAND TRIALS ENTRANCE
16.5	16.539	211.20				1				NB WOODLAND TRIALS ENTRANCE
19.737	19.777	211.20		24		2				LEFT AND RIGHT TURN LANE ROUTE 150 AND ROUTE 7
25.265	25.265	0.00		12						ROUTE 150 AND ROUTE E 4-WAY STOP
SW RAINTREE DR										
0.043	0.077	179.52		24		17			18	CROSSWALK INCLUDING TURN LANES
SUB TOTAL			187	411	175	39	3	1	9	
SUB TOTAL			0	24	0	17	0	0	18	
PAY TOTAL			187	435	175	56	3	1	27	

PAVEMENT MARKING - WATERBORNE PAINT									
LOG MILE	LOG MILE	LENGTH LF	6" WHITE SOLID LF	6" WHITE INTERMITTENT LF	6" WHITE DOTTED LF	4" WHITE SOLID LF	4" YELLOW SOLID LF	4" YELLOW INTERMITTENT LF	
ROUTE 150									
13.417	25.541	58281	7963	1537	113	118372	85341	7837	
SW RAINTREE DR									
0.043	0.770	3575	0	0	0	6421	7962	0	
SUB TOTAL			7963	1537	113	124793	93303	7837	
PAY TOTAL			9613			124793	101140		

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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MO-PE-2014000056

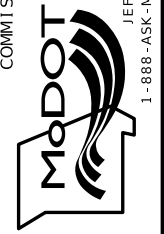
DATE PREPARED
11/20/2024
ROUTE **150** STATE **MO**
DISTRICT **KC** SHEET NO. **3**

COUNTY
JACKSON
JOB NO.
JKU0043
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)



PAVEMENT QUANTITIES

LOG MILE	LOG MILE	LENGTH LF	AVERAGE TRAVELWAY LF	AVERAGE SHOULDER LF	2" BP-1 PG 64 -22 MAINLANE TON	2" BP-1 PG 64-22 SHOULDERS TON	TACK COAT GAL	COLDMILLING SQYD	MOD. COLDMILLING SQYD	EDGE LINE RUMBLE STRIP STA	PERM. AGGR. EDGE TREATMENT TONS	REMARKS
ROUTE 150												
13.900	13.911	58.08	30	8	21.3	5.7	25	245			3	STARTING OF PAVEMENT RESURFACE
13.911	14.180	1420.32	24	4	417.5	69.6	442	4419			70	
14.180	14.298	623.04	30	4	0.0	30.5	235	2354			31	2 MAIN LANES W/ BUFFER SPACE & LEFT TURN
14.298	14.490	1013.76	36	4	447.0	49.7	451	4506			50	2 MAIN LANES W/ BUFFER SPACE & LEFT TURN
14.490	14.519	153.12	30	0	56.3	0.0	51	510				CONCRETE LANE EXCEPTION
14.519	14.539	105.60	24	4	31.0	5.2	33	329				
14.539	14.585	242.88	30	4	89.2	11.9	92	918			12	2 MAIN LANES W/ BUFFER SPACE & LEFT TURN
14.585	14.599	73.92	36	4	32.6	3.6	33	329			4	
14.599	14.650	269.28	30	4	98.9	13.2	102	1017			13	
14.650	15.080	2270.40	24	4	667.3	111.2	706	7063			112	
15.080	15.160	422.40	30	4	155.2	20.7	160	1596			21	2 MAIN LANES W/ BUFFER SPACE & LEFT TURN
15.160	15.180	105.60	36	4	46.6	5.2	47	469			5	
15.180	15.220	211.20	30	4	77.6	10.3	80	798			10	
15.220	15.616	2090.88	24	4	614.6	102.4	650	6505			103	
15.616	15.768	802.56										RR OVERPASS (EXCEPTION -A6480)
15.768	15.801	174.24	24	20	51.2	42.7	85	852			9	WIDER SHOULDER ON NORTH & SOUTH SIDE
15.801	15.840	205.92	24	20	60.5	50.4	101	1007		4.12	10	RUMBLE STRIPS BEGIN
15.840	15.900	316.80	24	4	93.1	15.5	99	986		6.34	16	
15.900	16.420	2745.60	24	4	807.0	134.5	683		12	54.91	136	
16.420	16.479	311.52	30	4	114.5	15.3	94			6.23	15	2 MAIN LANES W/ BUFFER SPACE & LEFT TURN
16.479	16.499	105.60	36	4	46.6	5.2				2.11	5	
16.499	16.620	638.88	30	4	234.7					12.78	32	2 MAIN LANES W/ BUFFER SPACE & LEFT TURN
16.620	17.054	2291.52	24	4	673.5	112.3	570		12	45.83	113	
17.054	17.100	242.88										BRIDGE EXCEPTION - A2262
17.100	19.718	13823.04	24	4	4062.9	677.2	3440		12	276.46	683	
19.718	19.777	311.52	30	4	114.5	15.3	94		19	6.23	15	2 MAIN LANES AND RIGHT TURN LANE
19.777	20.280	2655.84									131	ROUTE 7 EXCEPTION
20.280	24.176	20570.88	24	4	6046.3	1007.7	5120		12	411.42	1016	OFF ROUTE 7 AND RUMBLE STRIPS END
24.176	25.281	5834.40	24	4	1714.9	285.8	1452		25		288	ROUTE E
25.281	25.481	1056.00	24	4	310.4	51.7	263	3285			52	
25.481	25.541	316.80	24	20	93.1	77.6	124	1549			16	WIDER SHOULDER ON EAST & WEST SIDE END OF PROJECT / OLD 50
2% FOR SAFETY EDGE					343.6	58.6						
ENTRANCES					297.4		274		2828		493	ENTRANCES AND SIDE ROADS
SUB TOTAL					17819.3	2989.0	15506	38737	2920	826	3464	
PAY TOTAL					20808.3		15506	38737	2920	826	3464	
SW RAIN TREE DR												
0.043	0.063	105.60	54	0	69.8		63	634				BEG. OF SW RAIN TREE DR.
0.063	0.070	36.96	42	0	19.0		17	172				
0.070	0.083	68.64	48	0	40.4		37	366				PASS SW GREENWICH DR.
0.083	0.093	52.80	42	0	27.2		25	246				
0.093	0.123	158.40	42	0	81.5		74	739				
0.123	0.182	311.52	30	0	114.5		104	1038				
0.182	0.202	105.60	24	0	31.0		28	282				
0.202	0.242	211.20	30	0	77.6		70	704				SW RAIN TREE PLAZA DR.
0.242	0.303	322.08	30	6	142.0	23.7	129	1288			8	
0.303	0.770	2465.76	24	16	1207.9	483.2	1096	10959		49.32	122	END OF SW RAIN TREE DR.
2% FOR SAFETY EDGE					27.0	10.1						
SUB TOTAL					1837.9	517.0	1643	16428	0	49.32	130	
PAY TOTAL					2354.9		1643	16428	0	49	130	

6" CONCRETE MEDIAN		
LOG MILE	AREA SY	REMARKS
13.427	32.8	RAINTREE ISLAND
13.427	1.7	JOINT AT RAIN TREE
13.660	6.6	MEDIAN BETWEEN EB AND WB 150
13.816	22.3	EAST SIDE OF E OUTER RD
13.816	25.0	EB 150 WEST OF EAST OF E OUTER RD
13.816	1.2	EB 150 WEST OF WEST OF E OUTER RD
TOTAL	90	

MANHOLE FRAME AND COVER		
LOG MILE	MANHOLE FRAME AND COVER TYPE 3 EACH	REMARKS
13.759	1	WB 150 WEST OF NB 291 RAMP
TOTAL	1	

TYPE A CURB REPAIR			
LOG MILE	QUANTITY LF	TIE BAR EA	REMARKS
13.417 - 13.919	100	50	LOCATIONS AS DIRECTED BY THE ENGINEER
13.547	14	14	EB 150 AND SB 291 RAMP
13.547	4	4	WB 150 AND SB 291 RAMP
13.680	33	33	EB 150 AND NB 291 RAMP
13.680	11	11	WB 150 AND NB 291 RAMP
TOTAL	162	112	

MOBILIZATION	
LOG MILE	REMARKS
1	LUMP SUM

FULL DEPTH PAVEMENT REPAIR - RAINTREE DR													
PATCH NUMBER	DIRECTION	LOG MILE	LANE NUMBER	LENGTH	WIDTH	FURNISHING AND PLACING CONC. MATERIAL FOR FULL DEPTH PVM'T REPAIR	SUBGRADE COMPACTION	TYPE 5 AGG. FOR PVM'T REPAIR	FULL DEPTH PVM'T REPAIR SAW CUTS	DOWEL BAR	DOWEL BAR WITH BASKETS	TIE BARS	REMARKS
						SY	SY	SY	LF	EA	EA	EA	
1	SB	0.04	1	6	24	16	1.6	1.6	60	44	0	0	
2	SB	0.38	1	15	14	23	2.3	2.3	86	24	0	5	
3	SB	0.46	1	10	14	16	1.6	1.6	62	24	0	0	
4	SB	0.52	1	10	14	16	1.6	1.6	62	24	0	0	
5	SB	0.57	1	6	14	9	0.9	0.9	40	24	0	0	
6	SB	0.6	1	15	14	23	2.3	2.3	86	24	0	5	
7	SB	0.71	1	6	14	9	0.9	0.9	40	24	0	0	
8	NB	2.59	1	6	28	19	1.9	1.9	68	52	0	0	
9	NB	2.63	1	8	14	12	1.2	1.2	58	24	0	0	
10	NB	2.66	1	6	14	9	0.9	0.9	40	24	0	0	
11	NB	2.66	1	6	14	9	0.9	0.9	40	24	0	0	
12	NB	2.83	1	6	14	9	0.9	0.9	40	24	0	0	
13	NB	2.88	1	10	14	16	1.6	1.6	62	24	0	0	
14	NB	2.9	1	6	14	9	0.9	0.9	40	24	0	0	
15	NB	2.95	1	10	14	16	1.6	1.6	62	24	0	0	
16	NB	3.36	1	10	36	40	4.0	4.0	128	68	0	0	
SUB TOTAL						251	25.1	25.1	974	476	0	10	

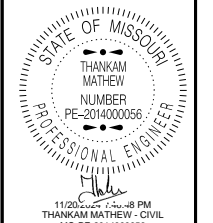
FULL DEPTH PAVEMENT REPAIR - ROUTE 150 #													
PATCH NUMBER	DIRECTION	LOG MILE	LANE NUMBER	LENGTH	WIDTH	FURNISHING AND PLACING CONC. MATERIAL FOR FULL DEPTH PVM'T REPAIR	SUBGRADE COMPACTION	TYPE 5 AGG. FOR PVM'T REPAIR	FULL DEPTH PVM'T REPAIR SAW CUTS	DOWEL BAR	DOWEL BAR WITH BASKETS	TIE BARS	REMARKS
						SY	SY	SY	LF	EA	EA	EA	
1	WB	1.39 - 5.375	1	6	14	130	13.0	13.0	560	336	0	0	14 patches
2	WB	5.877 - 11.745	1	6	14	363	36.3	36.3	1560	936	0	0	39 patches
3	EB	13.919 - 19.786	1	6	14	465	46.5	46.5	2000	1200	0	0	50 patches
4	EB	20.288 - 24.273	1	6	14	149	14.9	14.9	640	384	0	0	16 patches
SUB TOTAL						1107	110.7	110.7	4760	2856	0	0	
RAINTREE SUB TOTAL						251	25.1	25.1	974	476	0	10	
PAY TOTAL						1358	136	136	5734	3332	0	10	

CLASS A PARTIAL DEPTH PAVEMENT REPAIR - ROUTE 150 #									
PATCH NUMBER	DIRECTION	LOG MILE	LANE NUMBER	LENGTH FT	WIDTH FT	FURNISHING AND PLACING C.Y.	REMOVAL SY	COMPRESSIVE INSERT	REMARKS
1	EB	13.417 - 13.919	1	VARIES	VARIES	19	117	254	COMPRESSIVE INSERT FOR INFORMATION ONLY
2	WB	13.417 - 13.920	1	VARIES	VARIES	2	10	2	COMPRESSIVE INSERT FOR INFORMATION ONLY
PAY TOTAL						21	127		

CLASS B PARTIAL DEPTH PAVEMENT REPAIR - RAINTREE DR								
PATCH NUMBER	DIRECTION	LOG MILE	LANE NUMBER	LENGTH FT	WIDTH FT	FURNISHING AND PLACING TONS	REMOVAL SY	REMARKS
1	SB	0.05	1	550	2	27	122	Lane Seam Repair
2	SB	0.39	1	12	2	1	3	Lane Seam Repair
3	SB	0.46	1	10	14	3	16	
4	SB	0.54	1	15	14	5	23	
5	SB	0.57	1	20	14	7	31	
6	SB	0.59	1	10	14	3	16	
7	SB	0.56	1	10	14.0	3	16	
8	SB	0.56	SHOULDER	180	4	18	80	
9	SB	0.58	1	15	14	5	23	
10	SB	0.59	1	10	14	3	16	
11	SB	0.65	1	15	14	5	23	
12	SB	0.71	1	8	14	3	12	
13	NB	2.71	1	10	14	3	16	
14	NB	2.81	1	8	14	3	12	
15	NB	2.9	1	15	14	5	23	
16	NB	2.95	1	10	14	3	16	
17	NB	2.96	1	8	14	3	12	
18	NB	3.04	1	20	14	7	31	
19	NB	3.11	1	10	6	1	7	
20	NB	3.15	1	10	6	1	7	Lane Seam Repair
21	NB	3.2	1	40	8	8	36	Lane Seam Repair
22	NB	3.22	1	30	2	1	7	Lane Seam Repair
23	NB	3.25	1	40	2	2	9	
24	NB	3.3	1	40	2	2	9	
SUB TOTAL						122	566	

CLASS B PARTIAL DEPTH PAVEMENT REPAIR - ROUTE 150 #								
PATCH NUMBER	DIRECTION	LOG MILE	LANE NUMBER	LENGTH FT	WIDTH FT	FURNISHING AND PLACING TONS	REMOVAL SY	REMARKS
1	EB	1.39 - 5.375	1	2	14	78	403	130 PATCHES
2	WB	5.877 - 11.745	1	2	14	60	310	100 PATCHES
3	EB	13.919 - 19.786	1	2	14	71	366	118 PATCHES
4	EB	20.288 - 24.273	1	2	14	75	388	125 PATCHES
SUB TOTAL						284	1467	
RAINTREE SUB TOTAL						122	566	
PAY TOTAL						406	2033	

NOTE:
LOCATIONS AND SIZES TO
BE DETERMINED BY THE ENGINEER



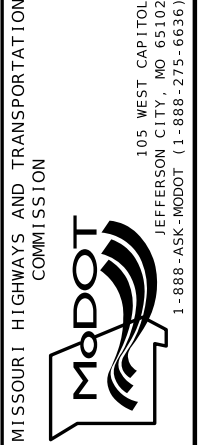
DATE PREPARED
11/20/2024

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 3

COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.

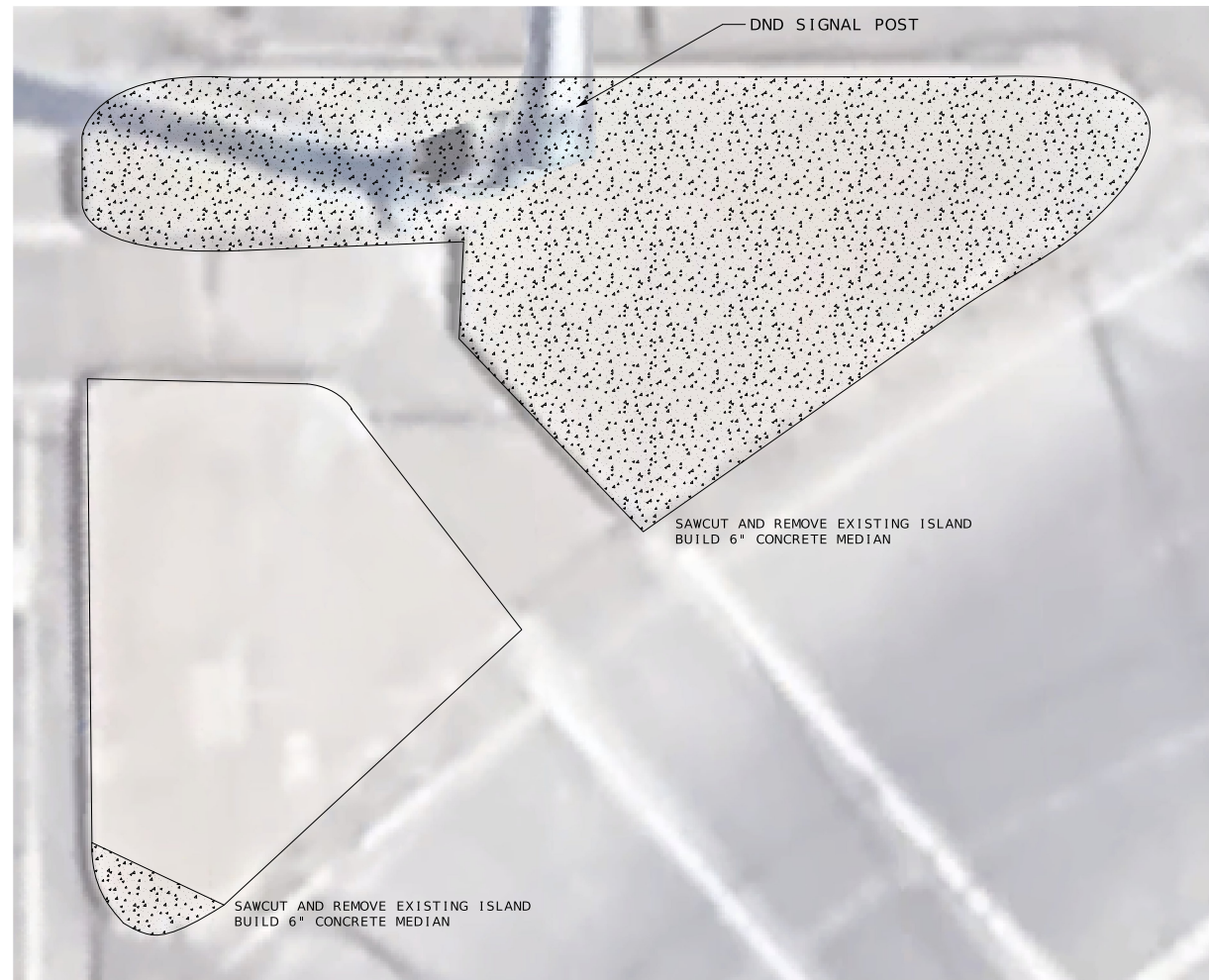
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

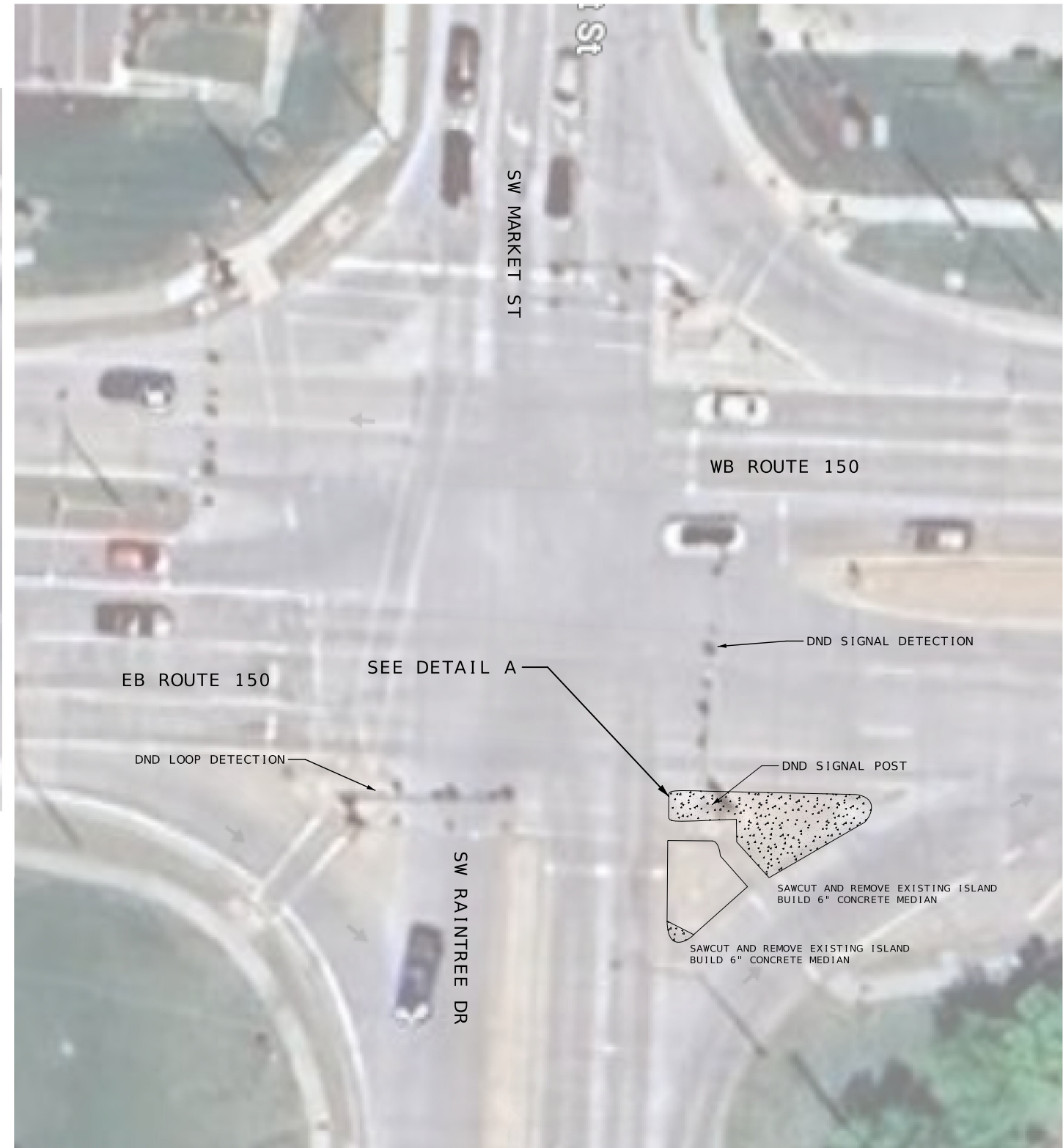


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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DETAIL A

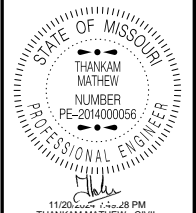


LEGEND:

 6" CONCRETE MEDIAN


NOTE: DRAWINGS ARE FOR INFORMATION ONLY

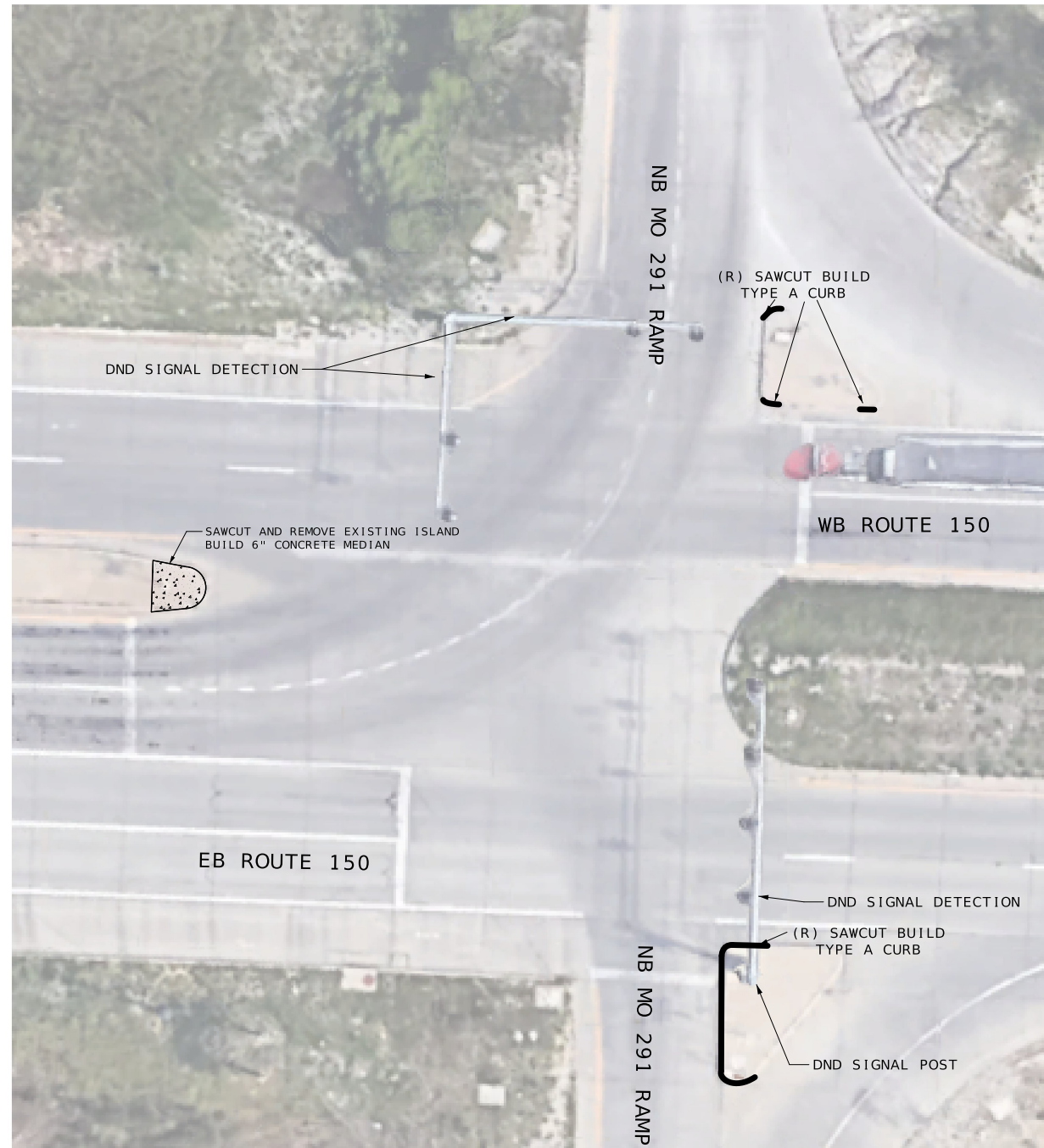
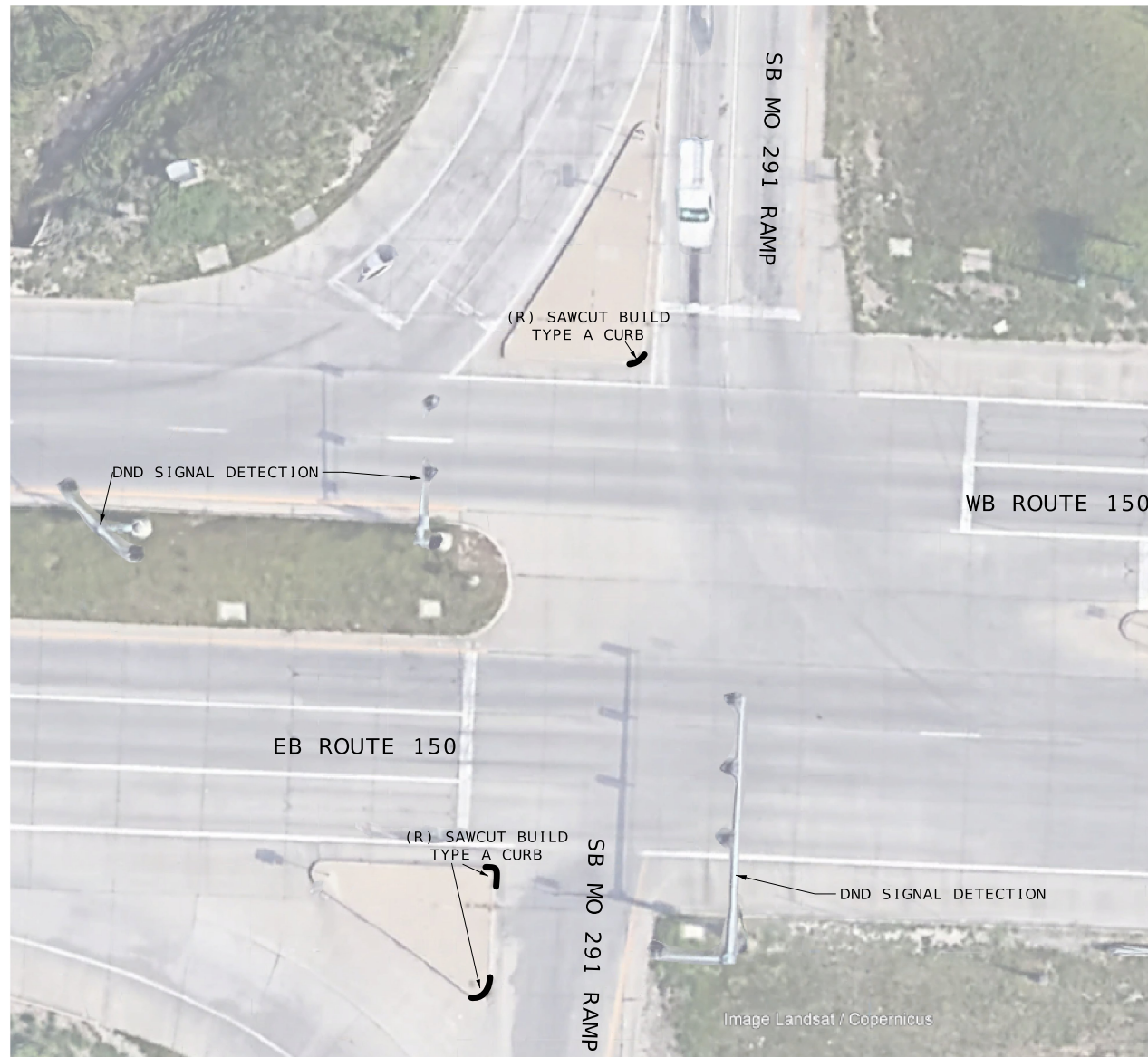
SW RAINTREE DR AND ROUTE 150
 PLAN SHEET
 SHEET 1 OF 4



DATE PREPARED
 11/20/2024
 ROUTE 150 STATE MO
 DISTRICT KC SHEET NO. 4
 COUNTY JACKSON
 JOB NO. JKU0043
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

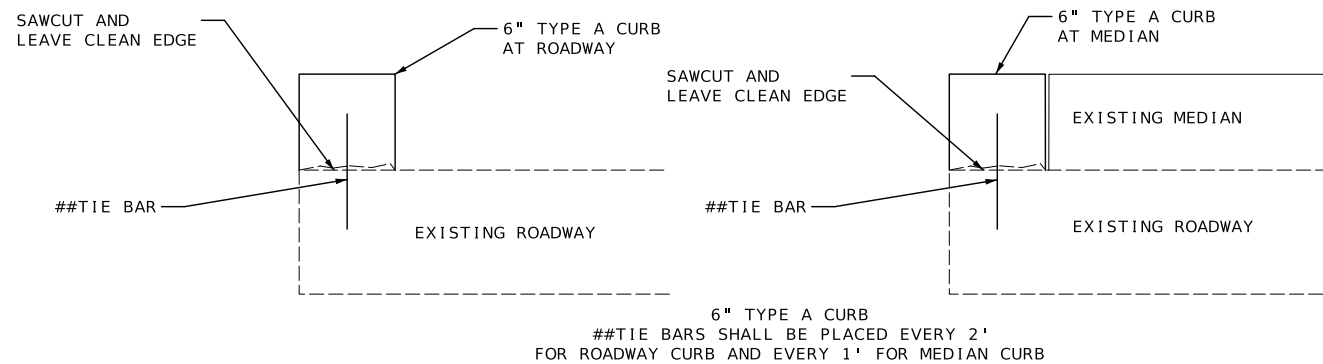
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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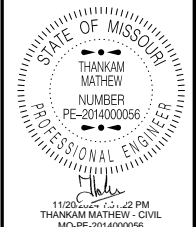
LEGEND:

 6" CONCRETE MEDIAN

NOTE: DRAWINGS ARE FOR INFORMATION ONLY




SB & NB 291 RAMPS AND ROUTE 150
PLAN SHEET
SHEET 2 OF 4



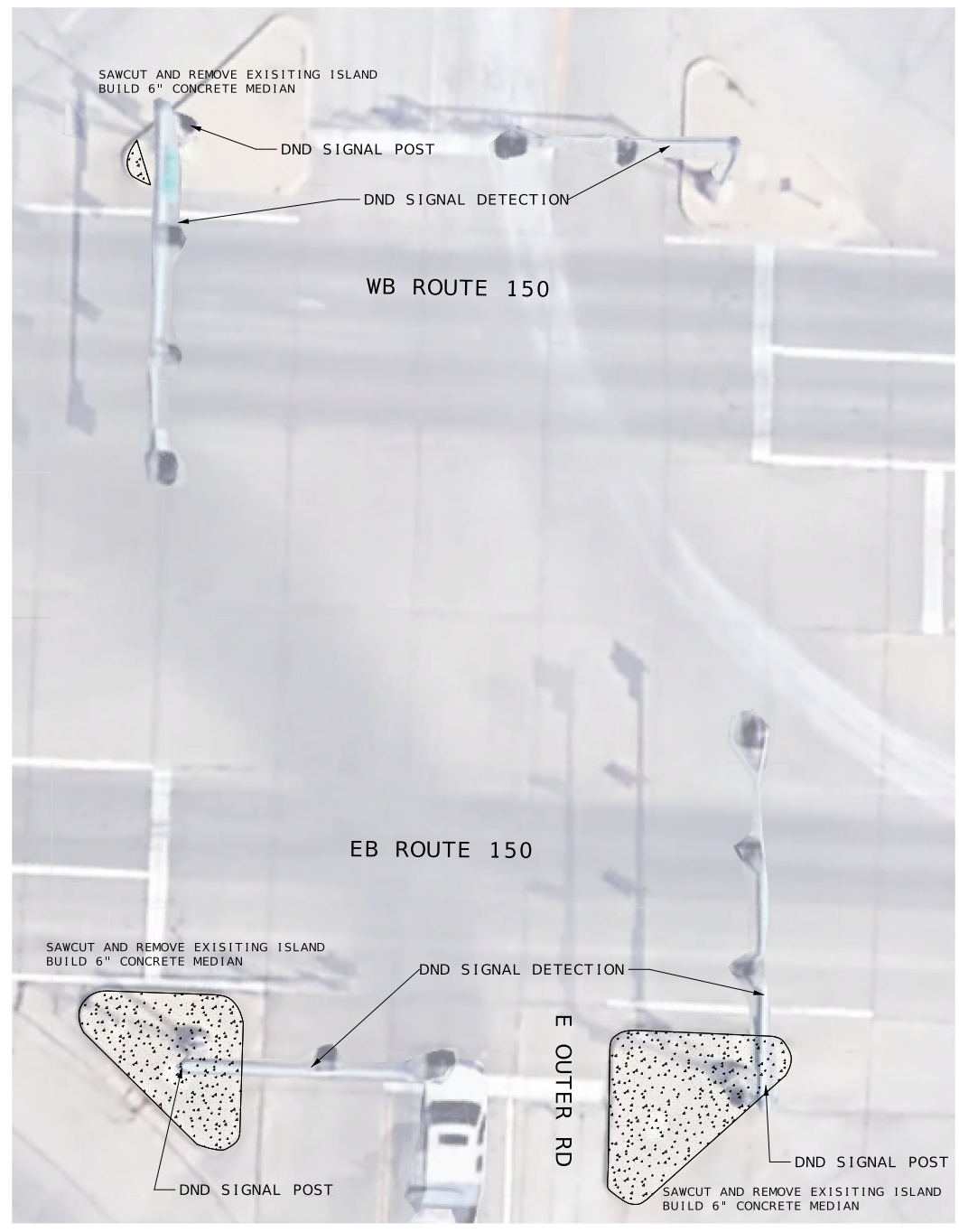
DATE PREPARED 11/20/2024	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 5
COUNTY JACKSON	
JOB NO. JKU0043	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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JEFFERSON CITY, MO 65102
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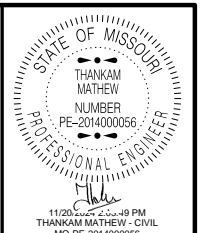


LEGEND:

 6" CONCRETE MEDIAN


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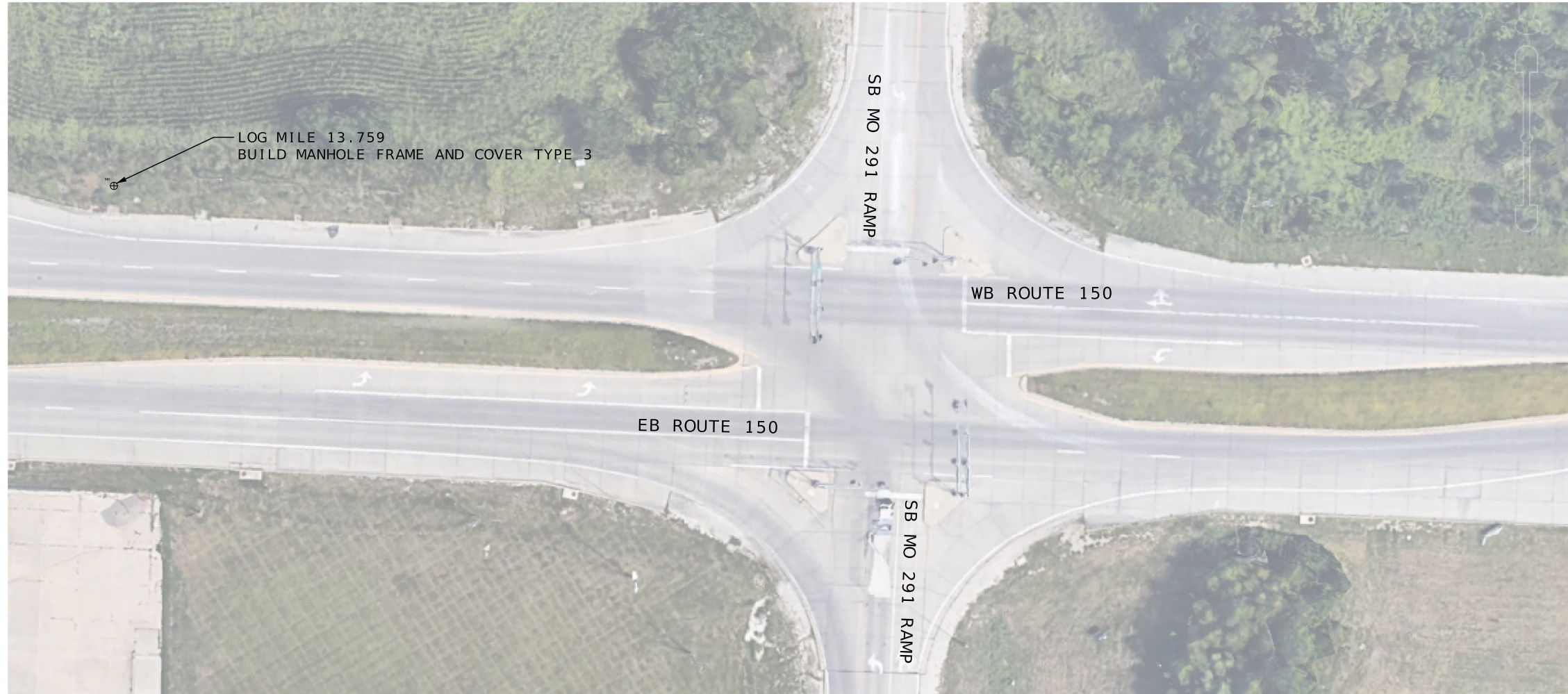
ROUTE 150 AND EAST OUTER ROAD
PLAN SHEET
SHEET 3 OF 4



DATE PREPARED
11/20/2024
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 6
COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

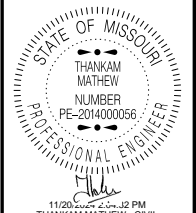
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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NOTE: DRAWINGS ARE FOR INFORMATION ONLY

MANHOLE LOCATION
PLAN SHEET
SHEET 4 OF 4



11/20/2024 2:42 PM
THANKAM MATHEW - CIVIL
MO-PE-2014000056

DATE PREPARED
11/20/2024

ROUTE	STATE
150	MO
DISTRICT	SHEET NO.
KC	7

COUNTY
JACKSON

JOB NO.
JKU0043

CONTRACT ID.

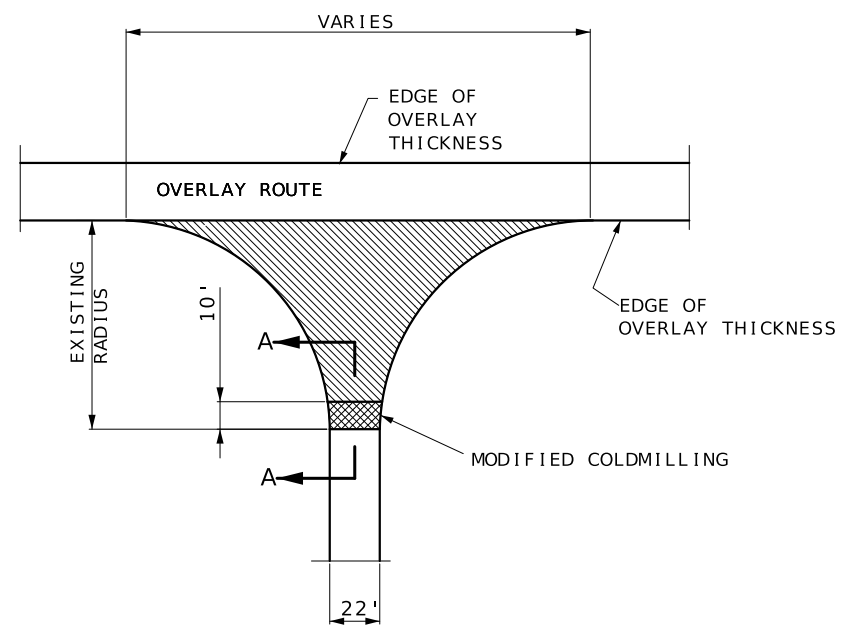
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BRIDGE NO.

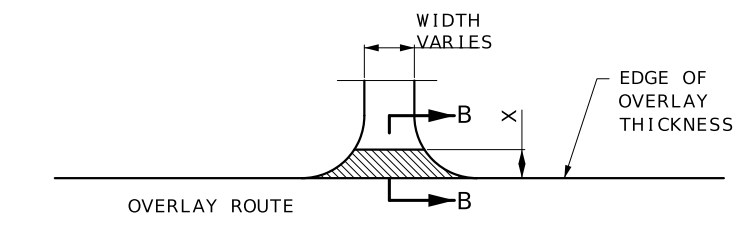
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

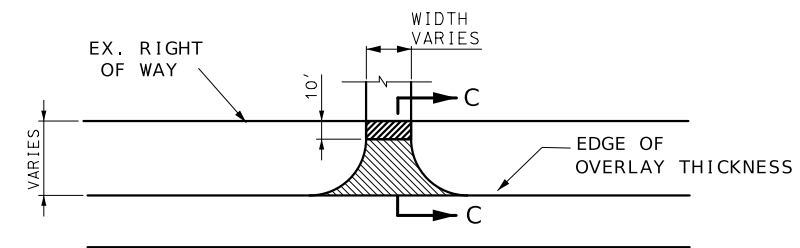
105 WEST CAPITOL
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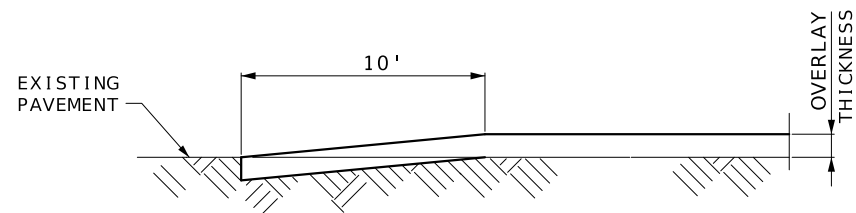
TYPICAL STATE ROUTE JUNCTION



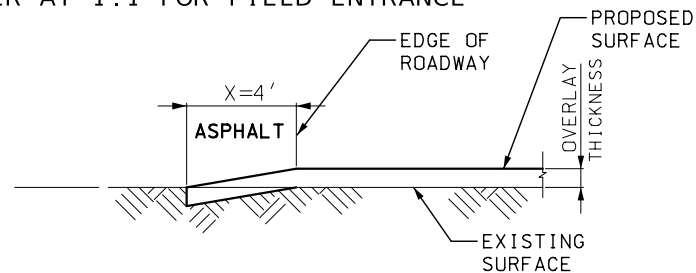
SECTION B-B
TYPICAL GRAVEL ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)
* TAPER AT 1:1 FOR FIELD ENTRANCE



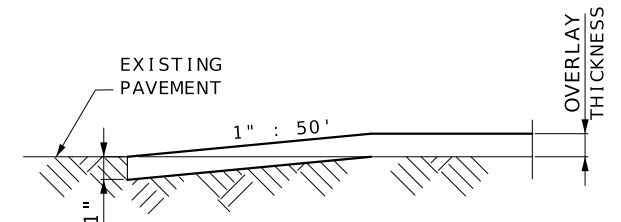
TYPICAL ASPHALT FOR
CITY OR COUNTY ROAD



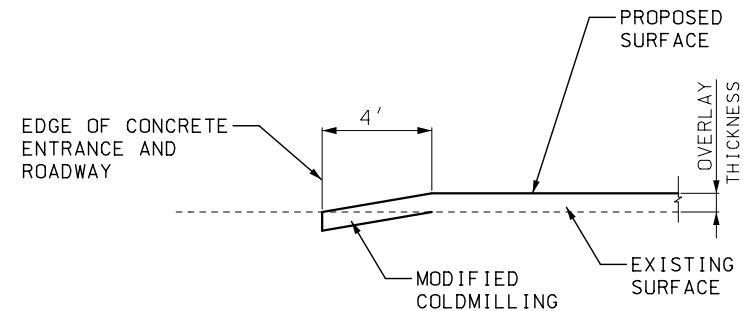
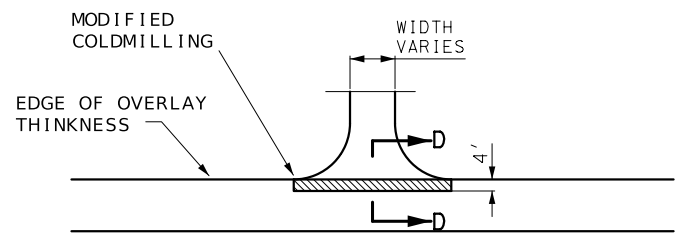
SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(COLDMILLED TRANSITION)



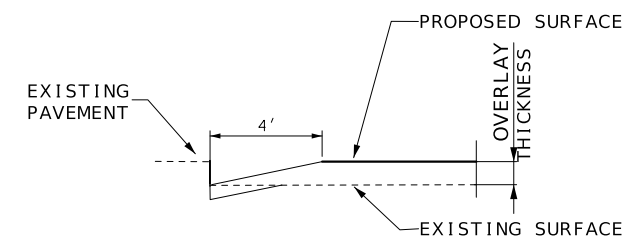
SECTION B-B
TYPICAL ASPHALT ENTRANCE



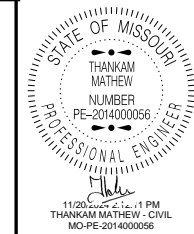
TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
NOT AT INTERSECTING ROUTE
AND AT EXCEPTIONS



SECTION D-D
TYPICAL CONCRETE ENTRANCE



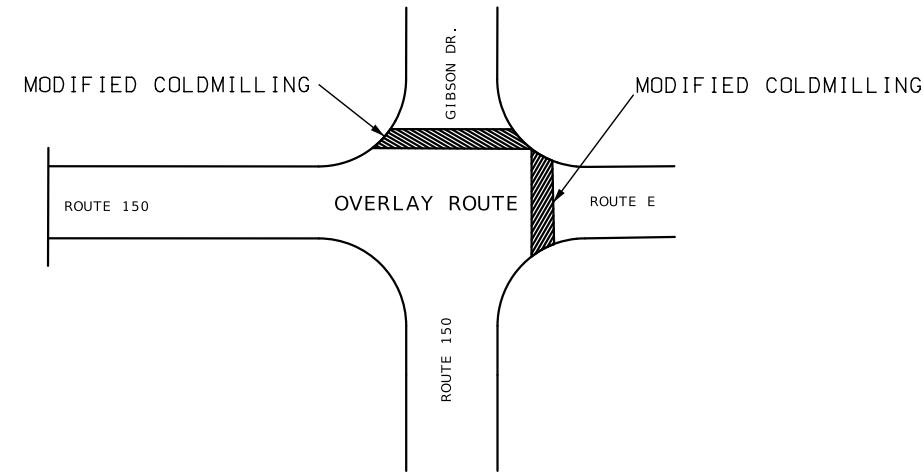
TYPICAL ROADWAY SECTION
WITH CURB



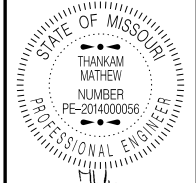
STATE OF MISSOURI
THANKAM MATHIEW
NUMBER
PE-2014000056
PROFESSIONAL ENGINEER
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THANKAM MATHIEW - CIVIL
MO-PE-2014000056
DATE PREPARED
11/20/2024
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 8
COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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



LIMITS OF ROUTE 150 AT ROUTE E



11/20/2024 2:14:48 PM
THANKAM MATHIEW - CIVIL
MO-PE-2014000056

DATE PREPARED
11/20/2024

ROUTE STATE
150 MO

DISTRICT SHEET NO.
KC 9

COUNTY
JACKSON

JOB NO.
JKU0043


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)

Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES						
SPEED (P) MPH	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MINIMUM TAPER SHOULDER (T1)	MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT		THROUGH TAPER	THROUGH WORK AREA
0-35	205 FT	225 FT	245 FT	70	35 FT	50 FT
40-45	450 FT	495 FT	540 FT	150	40 FT	100 FT
50-55	550 FT	605 FT	660 FT	185	50 FT	100 FT
60-70	700 FT	770 FT	840 FT	235	60 FT	100 FT

LONGITUDINAL BUFFER SPACE	
SPEED (P) MPH	BUFFER SPACE (FEET)
0-35	250
40-45	360
50-55	495
60-70	730

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
SPEED (P) MPH	SIGN SPACING	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA-1000 FT, SB-1500 FT, SC-2640 FT **	

**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).

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

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

(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

(3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.

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, AND 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. TWO - LANE CLOSURES PACKAGES HAVE BEEN PROVIDED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL PACKAGES IF NEEDED TO WORK IN MULTIPLE LOCATIONS.

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.	

TAPER LENGTH (L)

L = W X 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

DEVICE SPACING
TEMPORARY
TRAFFIC CONTROL
SHEET 1 OF 10



DATE PREPARED
11/20/2024

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 10

COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

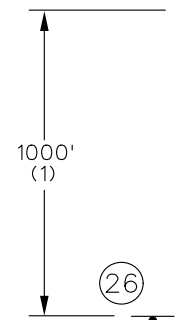
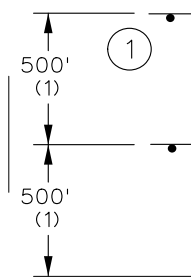
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

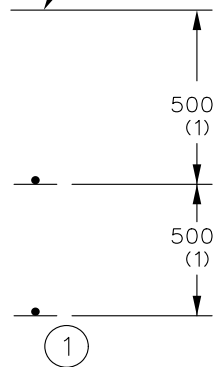
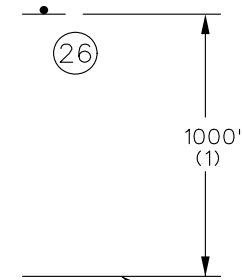
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE	DESCRIPTION

**WORK ZONE
NO PHONE ZONE**
SPECIAL (4)



TWO-LANE UNDIVIDED

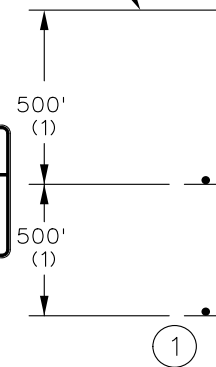
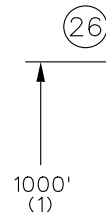


BEGIN/END OF PROJECT SIGNING
(FOR USE ON ALL PROJECTS)

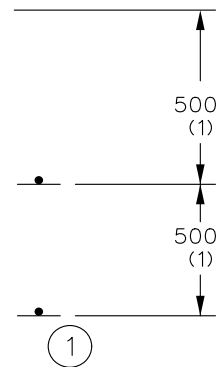
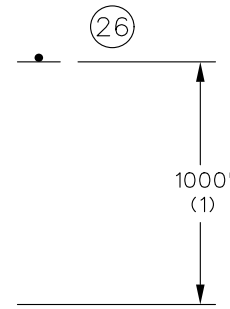
END OF PROJECT LIMITS;
END OF WORK ZONE
TERMINATION AREA, IF
LOCATED BEYOND END
OF PROJECT; OR LAST
WORK ZONE SIGN, IF
LOCATED OUTSIDE
PROJECT LIMITS.

**Road Improvements
Fall 2025**
CONST-5-96 (2)(3)

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



MULTI-LANE DIVIDED



NOTES:

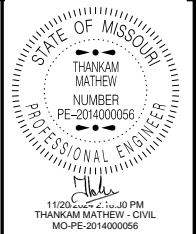
- SIGN G020-1 IS REQUIRED PER EPG 616.6.56.
- SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.
- OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.
- ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED 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 G020-1 ROAD WORK NEXT XX MILES.
- (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 96 IN. 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 WORK
NEXT 12 MILES**
G020-1
(1)

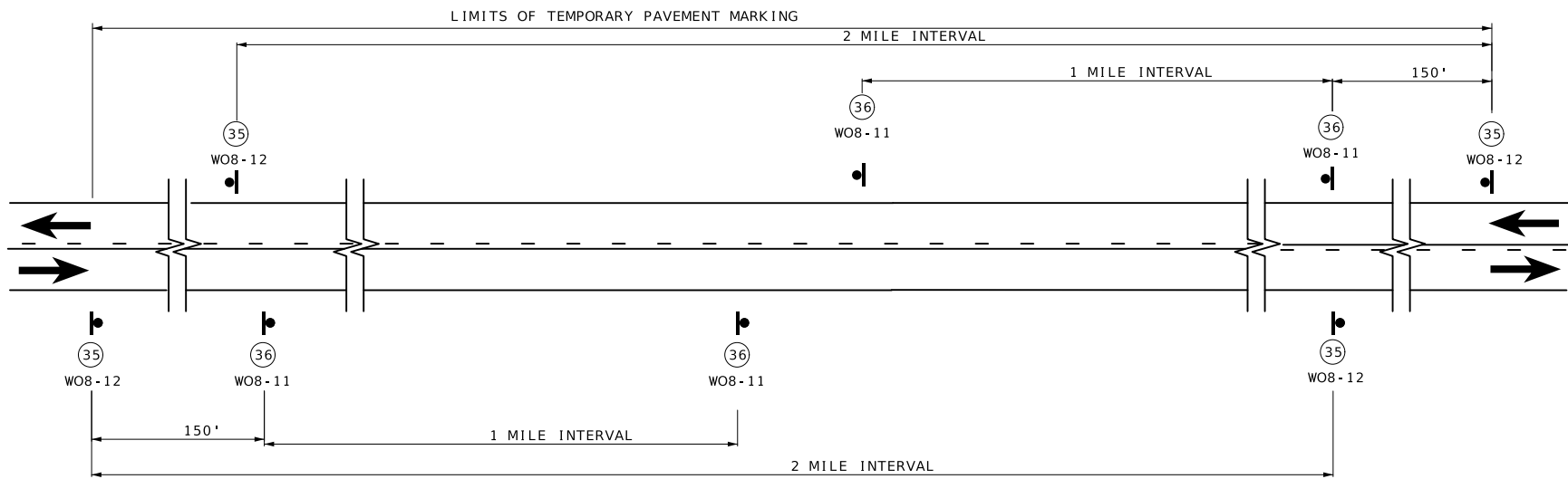
**END
ROAD WORK**
G020-2
(26)

**WORK ZONE
NO PHONE ZONE**
SPECIAL (4)

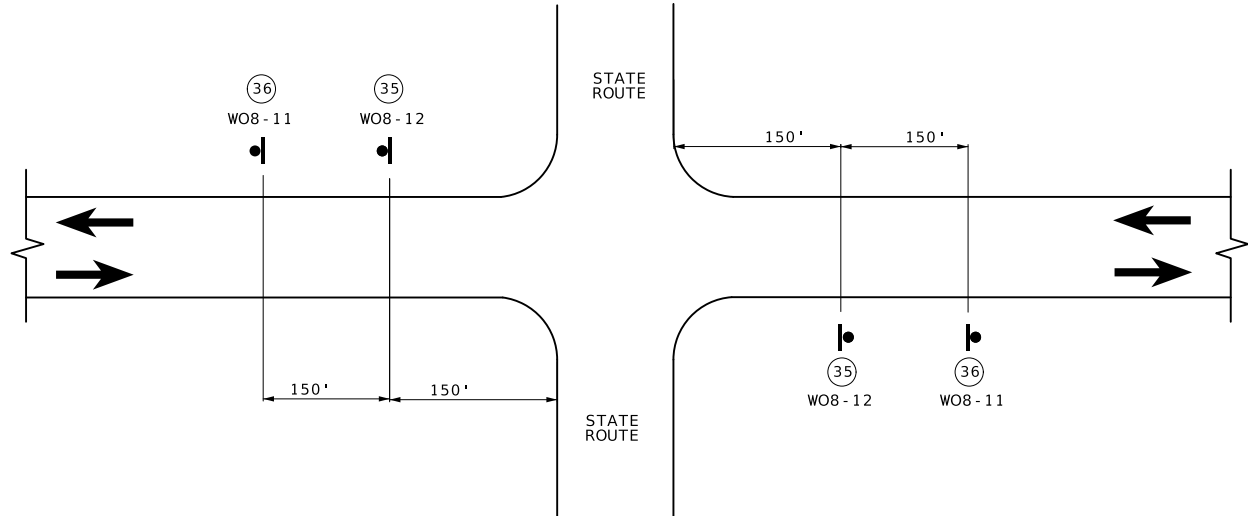
**Road Improvements
Fall 2025**
CONST-5-48 (2)(3)



DATE PREPARED
11/20/2024
 ROUTE 150 STATE MO
 DISTRICT KC SHEET NO. 12
 COUNTY JACKSON
 JOB NO. JKU0043
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.



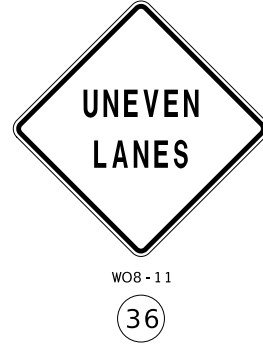
SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE



W08-12
35



W08-11
36

NOTES:

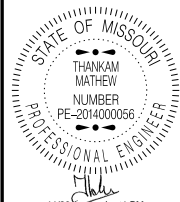
SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

NOT TO SCALE

DESCRIPTION	DATE



11/20/2024 2:12:11 PM
THANKAM MATHEW - CIVIL
MO-PE-2014000056

DATE PREPARED
11/20/2024

ROUTE STATE
150 MO

DISTRICT SHEET NO.
KC 13

COUNTY
JACKSON

JOB NO.
JKU0043

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)

SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	BUFFER/WORK AREA (TYP.)
0-35	200	40
40-45	350	80
50-55	500	80
60-70	1000	120

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

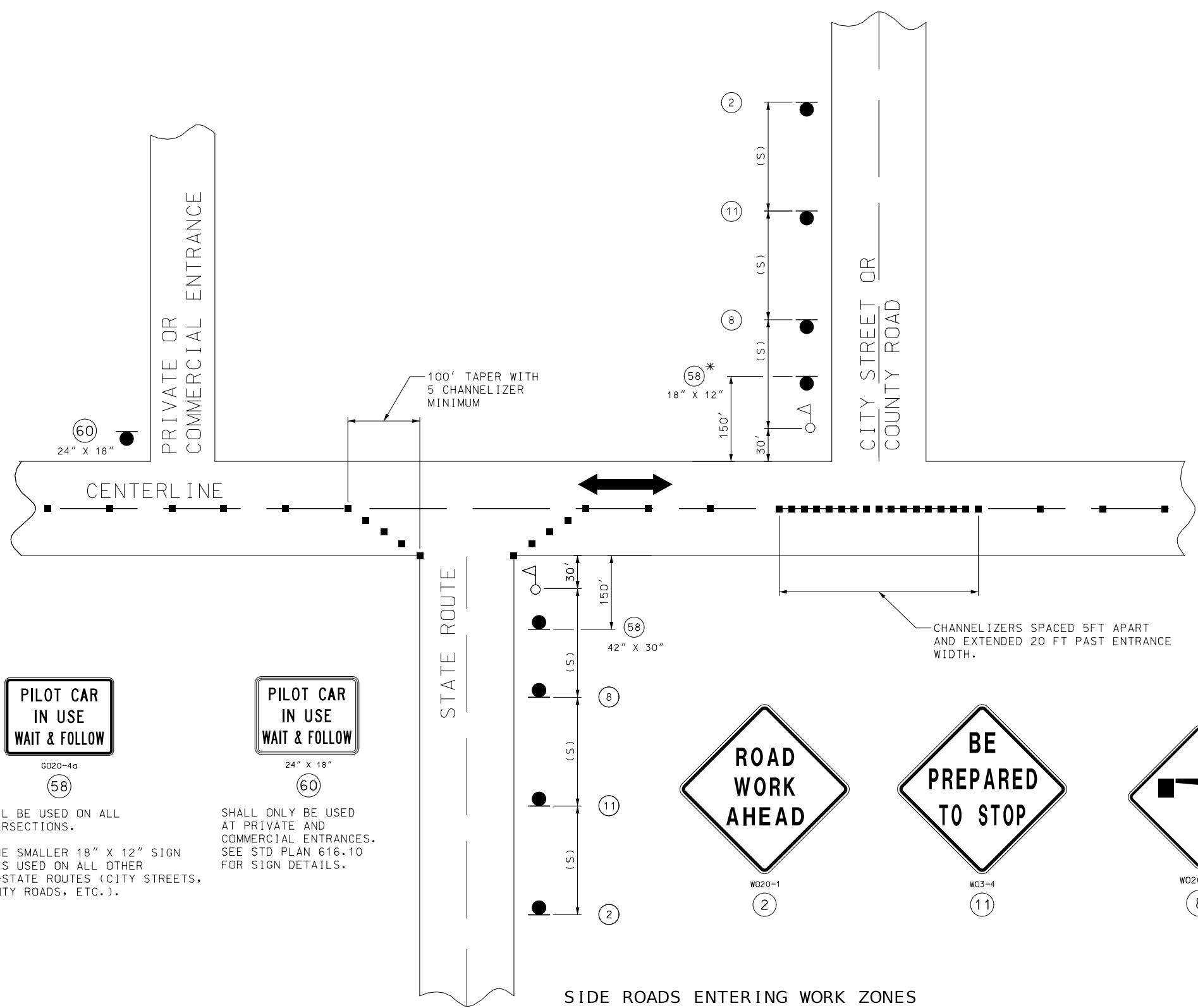
SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

NOTES:
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.
ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

■ - CHANNELIZERS (AS SPECIFIED)

△ - FLAGGER

NOT TO SCALE



SHALL BE USED ON ALL INTERSECTIONS.
* THE SMALLER 18" X 12" SIGN 58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).

SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10 FOR SIGN DETAILS.

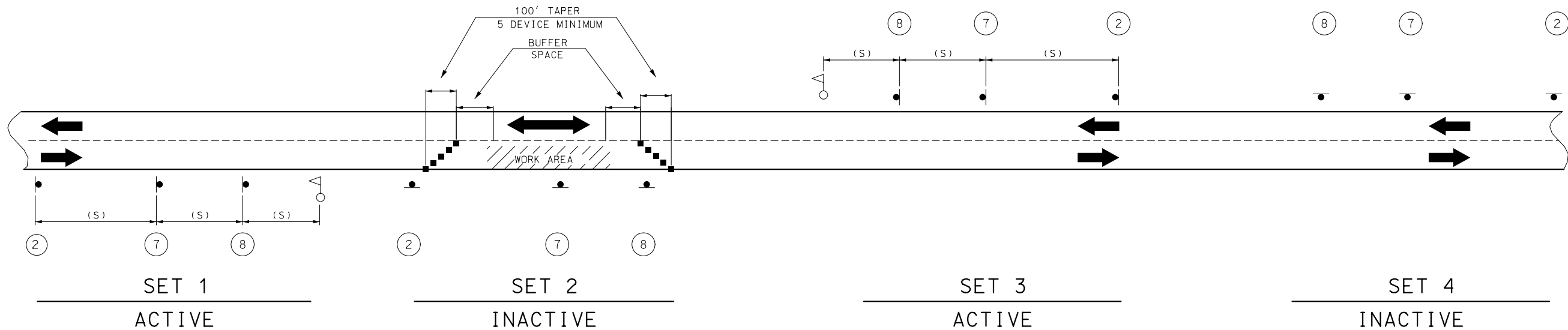
CHANNELIZERS SPACED 5FT APART AND EXTENDED 20 FT PAST ENTRANCE WIDTH.

SIDE ROADS ENTERING WORK ZONES

TEMPORARY TRAFFIC CONTROL SHEET 4 OF 10



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 2 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

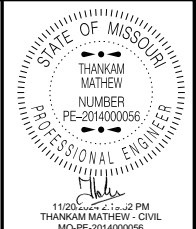
■ - CHANNELIZERS

◁ - FLAGGER

SPEED	SIGN SPACING (FT) (1)	BUFFER SPACE
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	LENGTH (FT)
0-35	200	250
40-45	350	360
50-55	500	495
60-70	1000	730

(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.



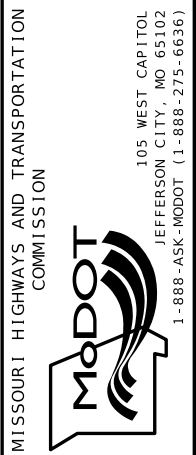
DATE PREPARED
11/20/2024

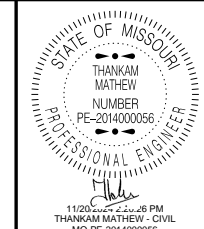
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 14

COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE





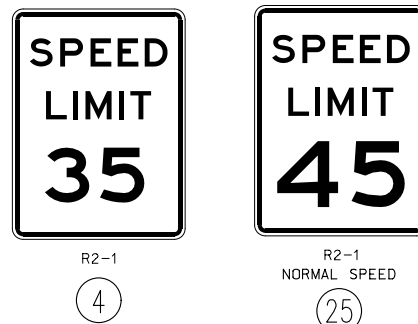
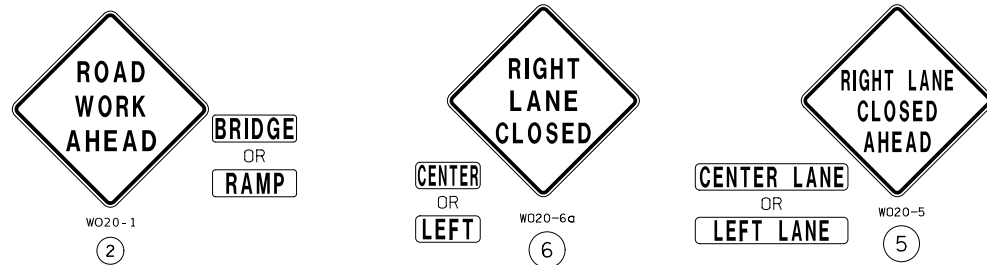
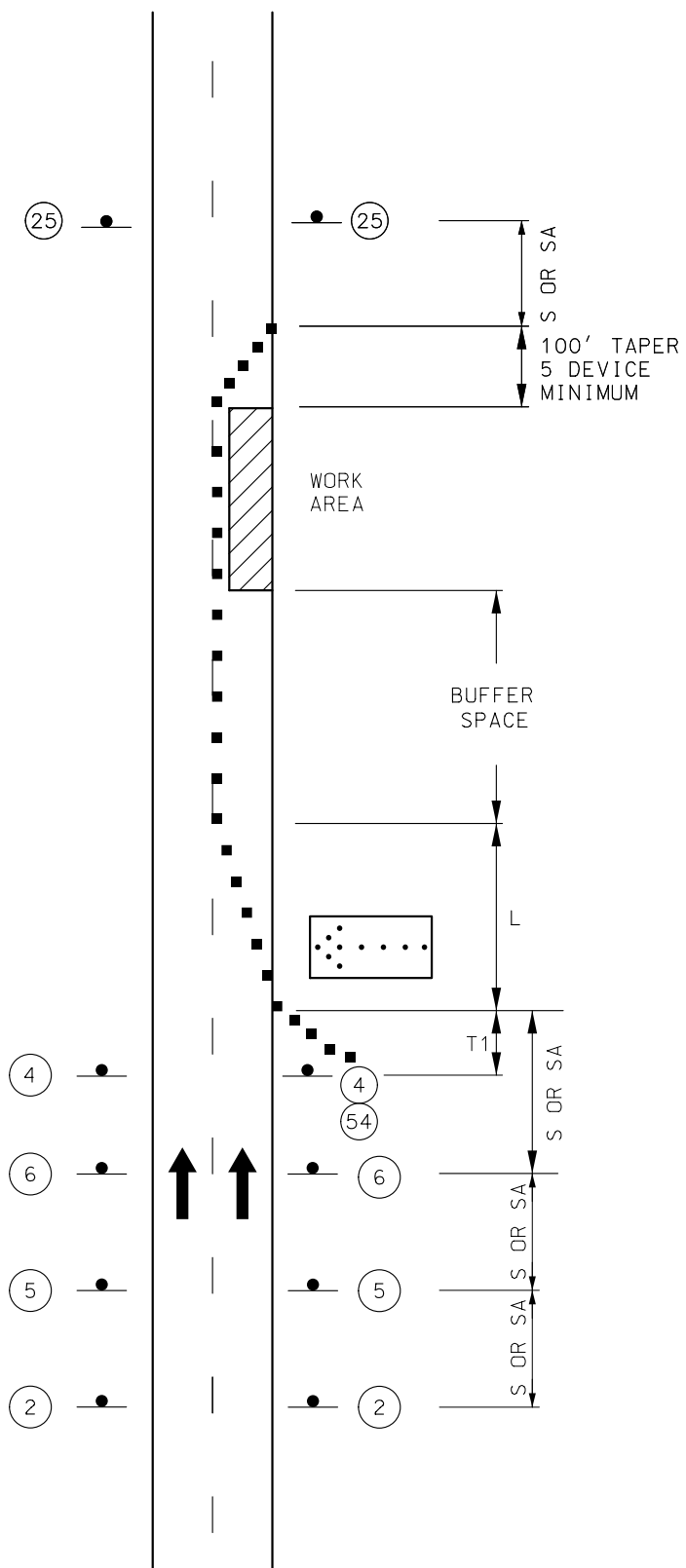
DATE PREPARED
11/20/2024
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 15
COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

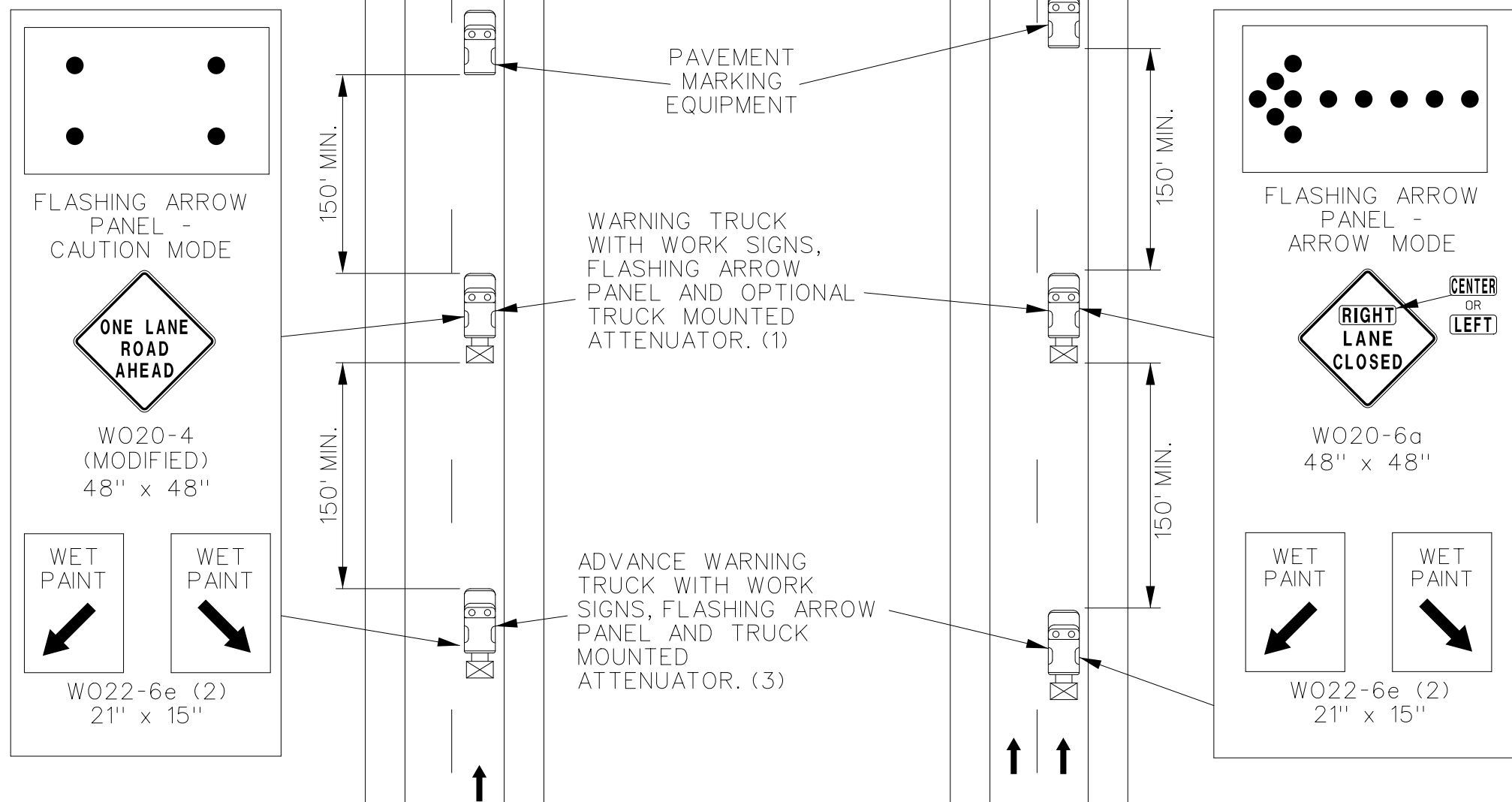
LANE CLOSURE
 TEMPORARY
 TRAFFIC CONTROL
 SHEET 6 OF 10



NOTES:

- (1). SEE EPG 616.29 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
- (2). SEE DEVICE SPACING SHEET FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (3). REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
- (4). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.
- (5). USE SIGNS (23) AND/OR (36) AS DIRECTED BY THE ENGINEER.

TWO-LANE DIVIDED HIGHWAY



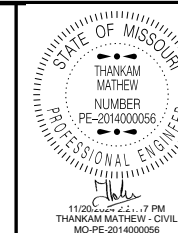
TWO-LANE UNDIVIDED HIGHWAY

MULTI-LANE DIVIDED HIGHWAY

**MOVING OPERATION ON HIGHWAY
OPEN TO TRAFFIC**

NOTES:

- ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.
- (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.



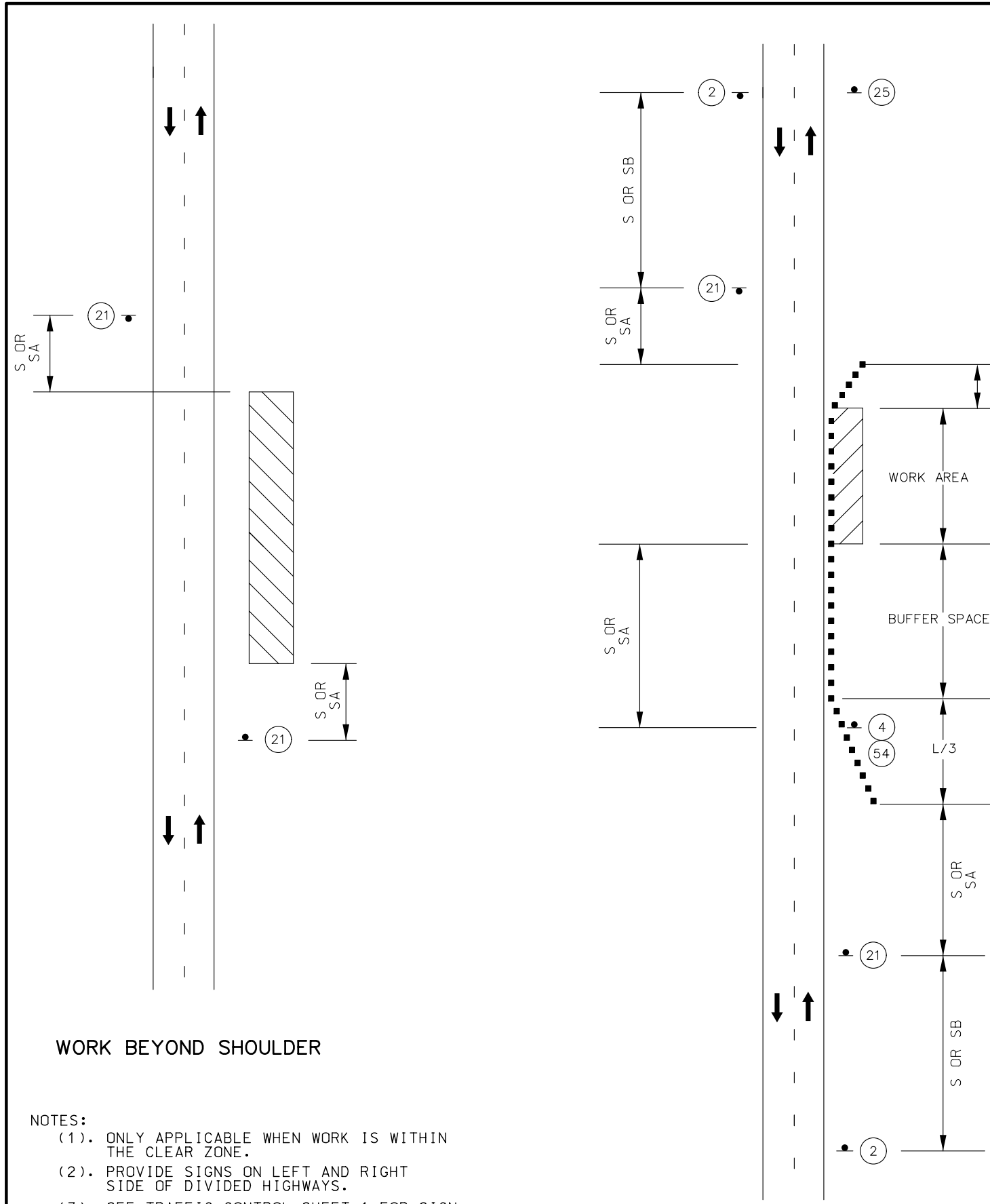
DATE PREPARED
11/20/2024
ROUTE **150** STATE **MO**
DISTRICT **KC** SHEET NO. **16**

COUNTY
JACKSON
JOB NO.
JKU0043
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)



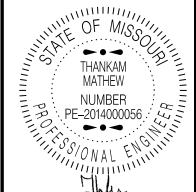
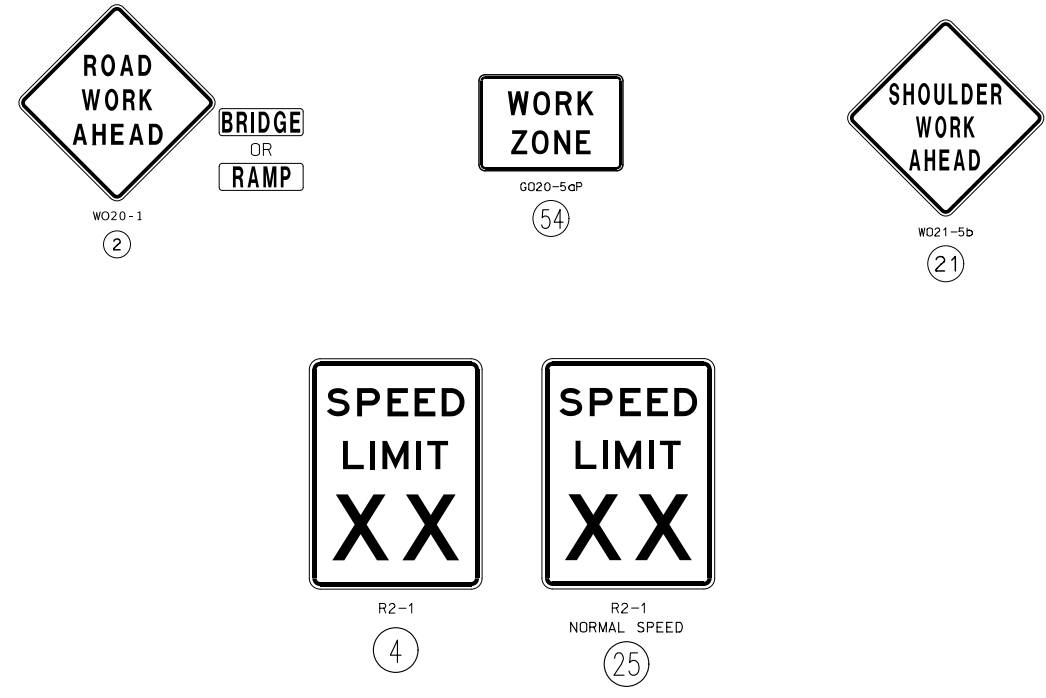
WORK BEYOND SHOULDER

- NOTES:
- (1). ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.
 - (2). PROVIDE SIGNS ON LEFT AND RIGHT SIDE OF DIVIDED HIGHWAYS.
 - (3). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SHOULDER WORK WITH NO TRAVELWAY ENCROACHMENT

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.	

- NOTES:
- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
 - (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
 - (3). SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.



DATE PREPARED
11/20/2024

ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 17

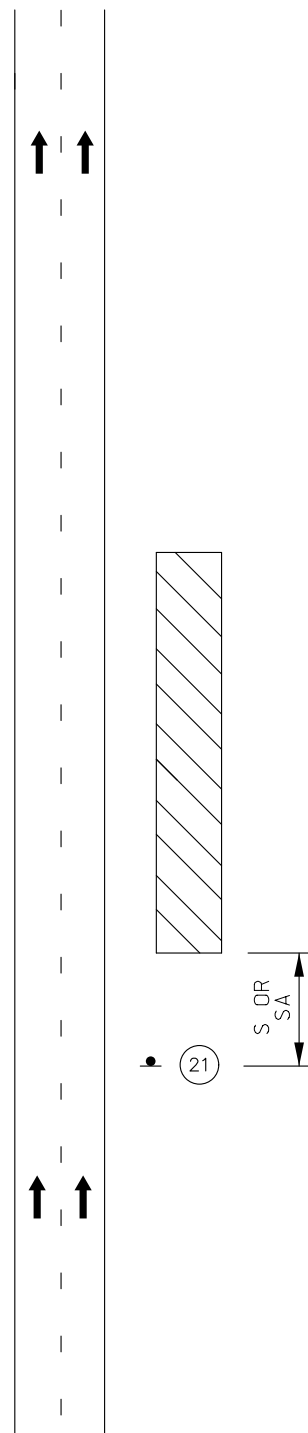
COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

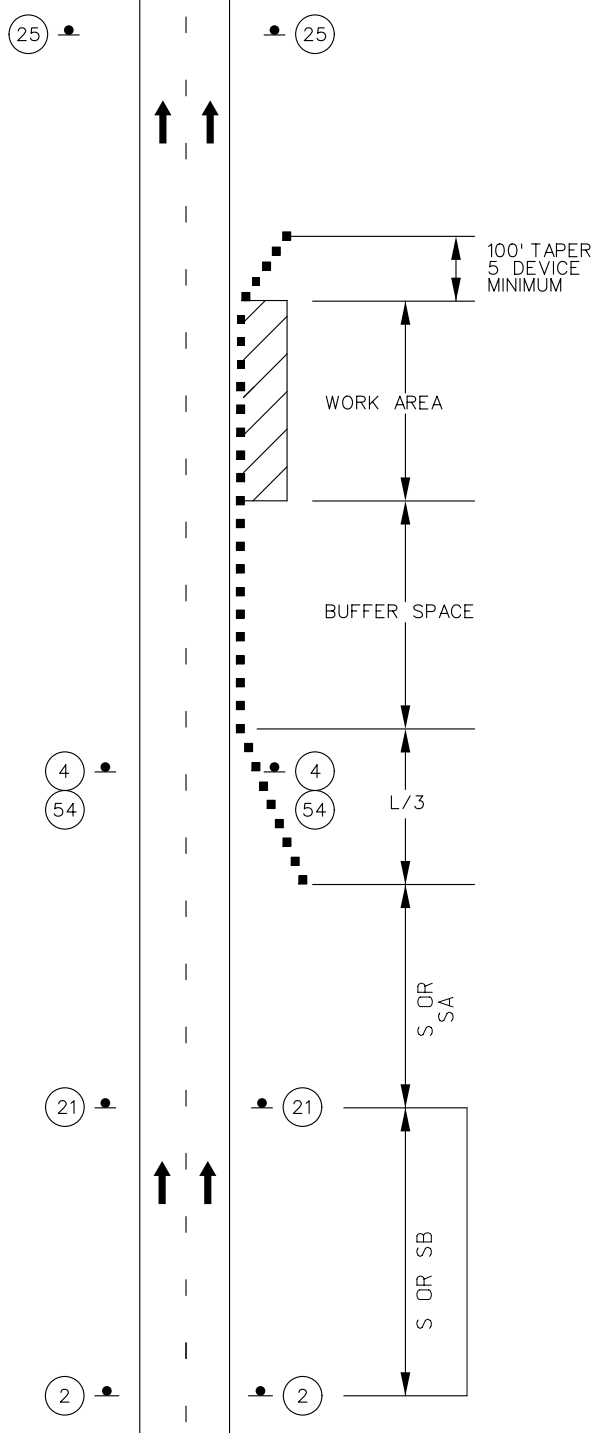
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

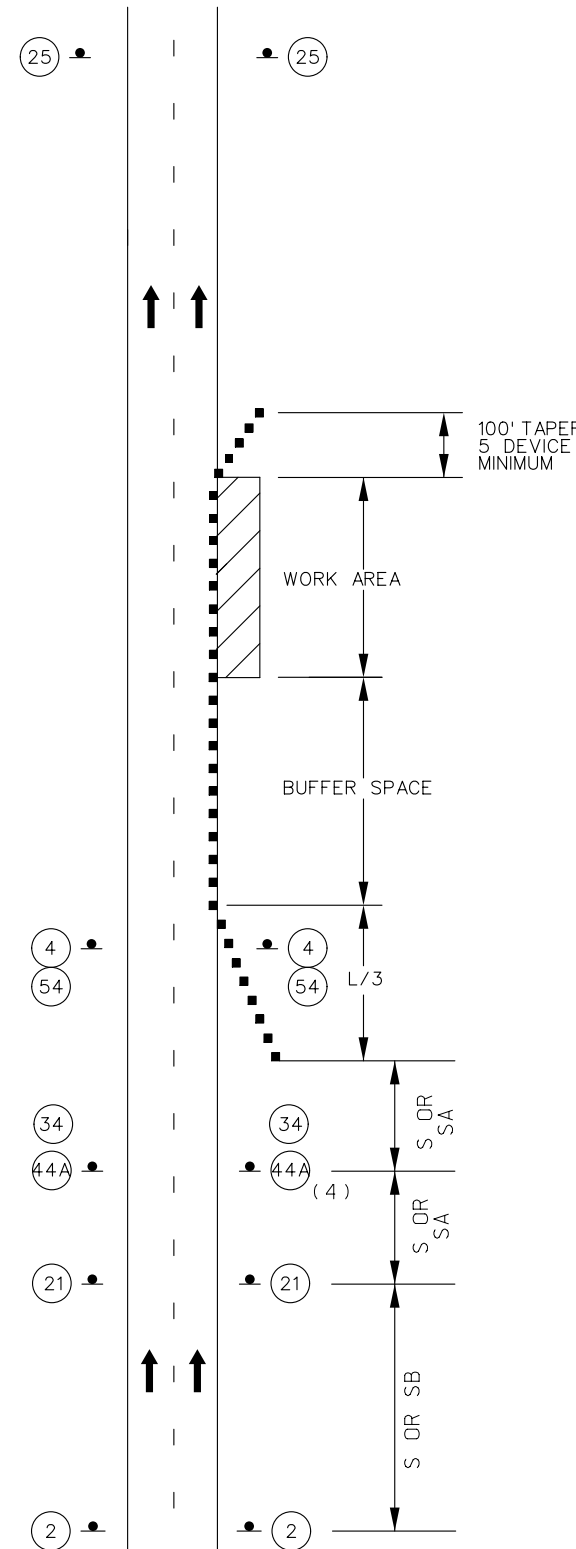
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



WORK BEYOND SHOULDER
ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.



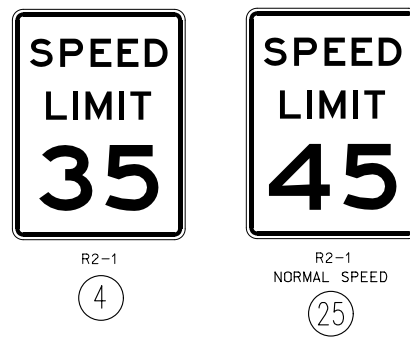
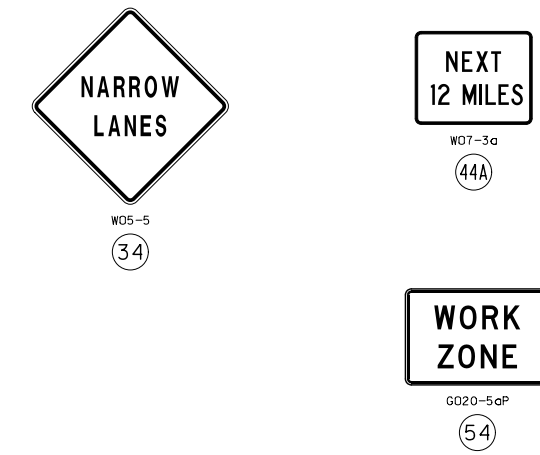
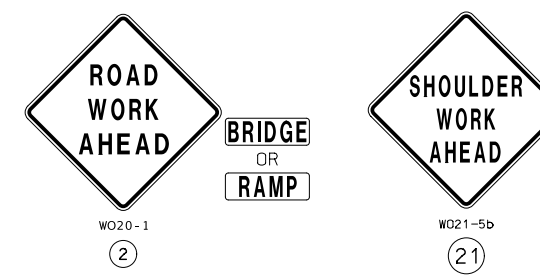
SHOULDER WORK WITH NO TRAVELWAY ENCROACHMENT



**SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT**



CHANNELIZERS



DATE PREPARED 11/20/2024	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 18
COUNTY JACKSON	
JOB NO. JKU0043	
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)	

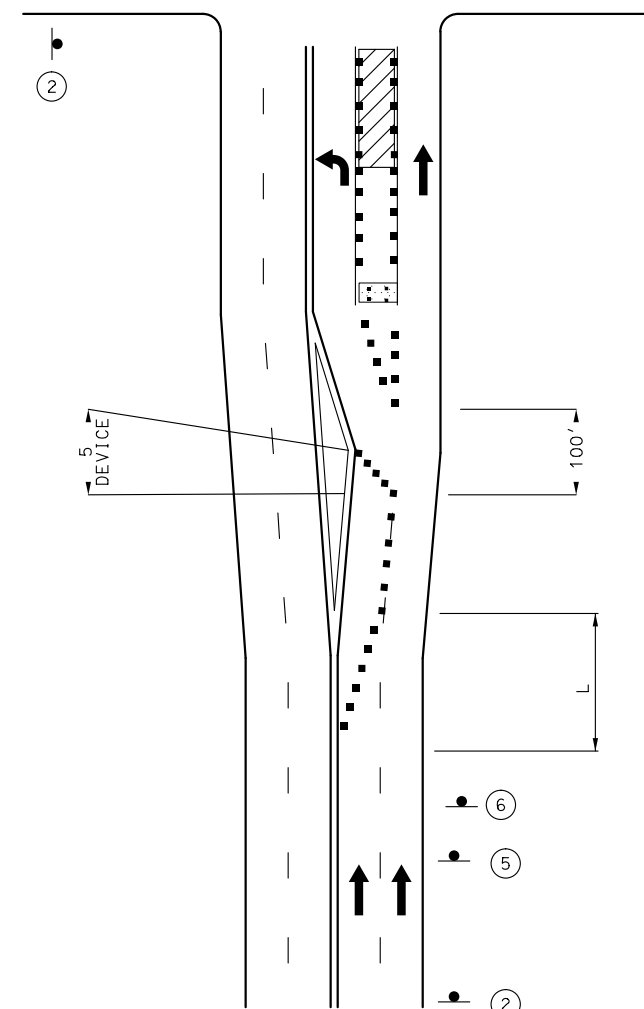
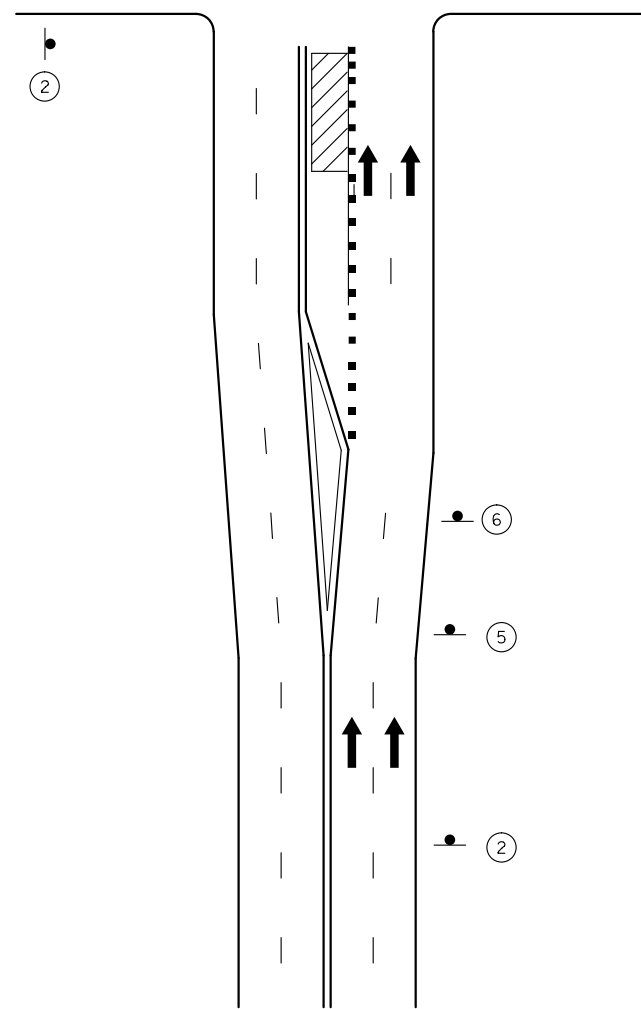
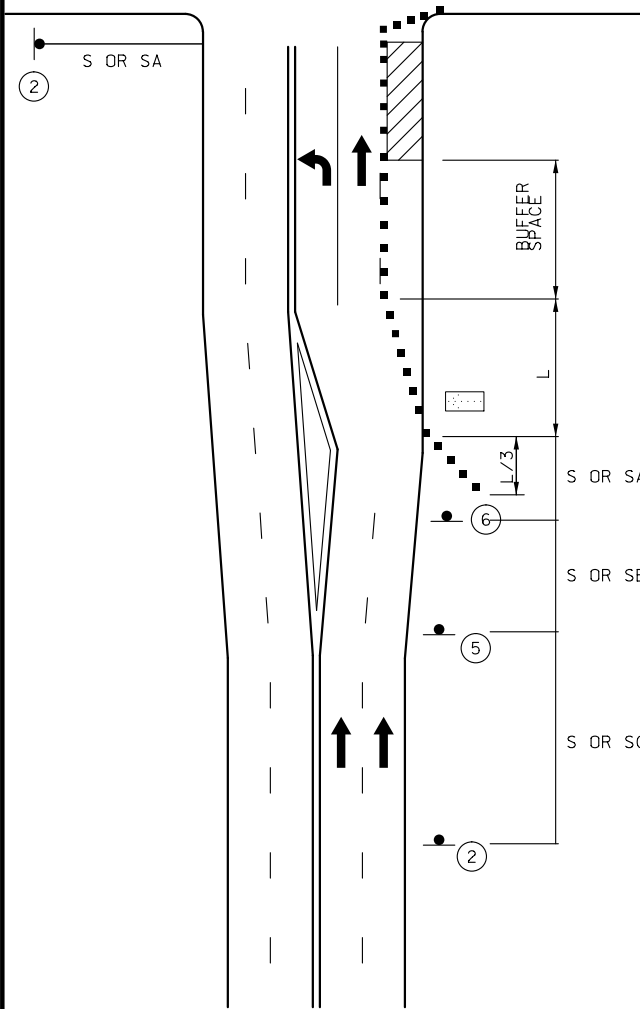
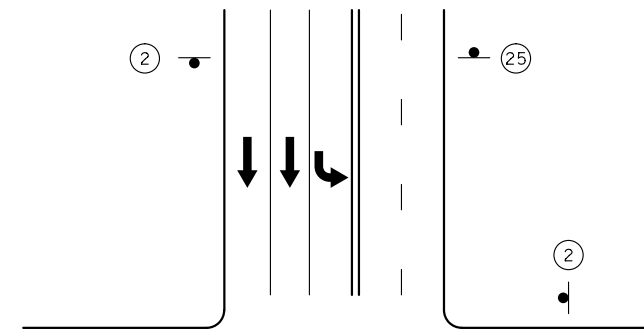
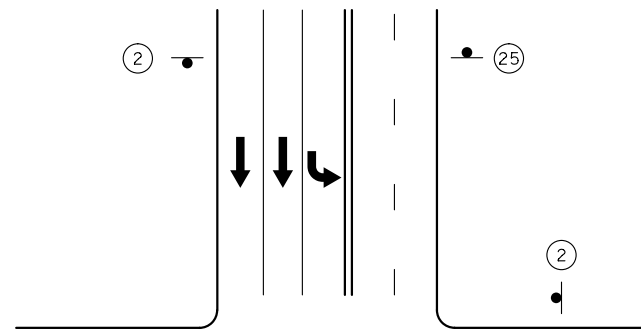
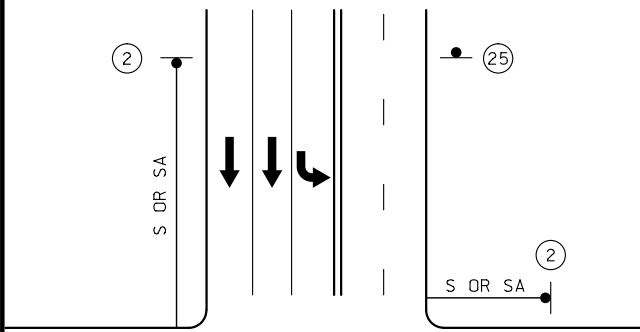
GENERAL NOTES:

- SEE DEVICE SPACING SHEET 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.
- SEE EPG 616.29 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
- SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

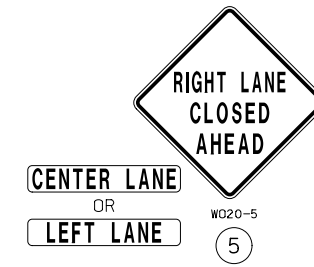
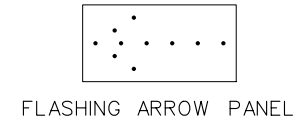
SHOULDER WORK
TEMPORARY
TRAFFIC CONTROL
SHEET 9 OF 10

NOTES:

- (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 PARRICADES 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.
- (6) MAY USE IN CONJUNCTION WITH TEMPORARY RIGHT LANE CLOSURE TRAFFIC CONTROL



BRIDGE
OR
RAMP



CENTER
OR
LEFT

CENTER LANE
OR
LEFT LANE

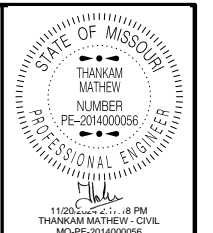


R2-1
NORMAL SPEED
25

RIGHT LANE CLOSURE AT INTERSECTION

LEFT LANE CLOSURE AT INTERSECTION

CENTER LANE CLOSURE AT INTERSECTION



DATE PREPARED 11/20/2024	
ROUTE 150	STATE MO
DISTRICT KC	SHEET NO. 19
COUNTY JACKSON	
JOB NO. JKU0043	
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)



11/20/2024 1:07 PM
THANKAM MATHEW - CIVIL
MO-PE-2014000056

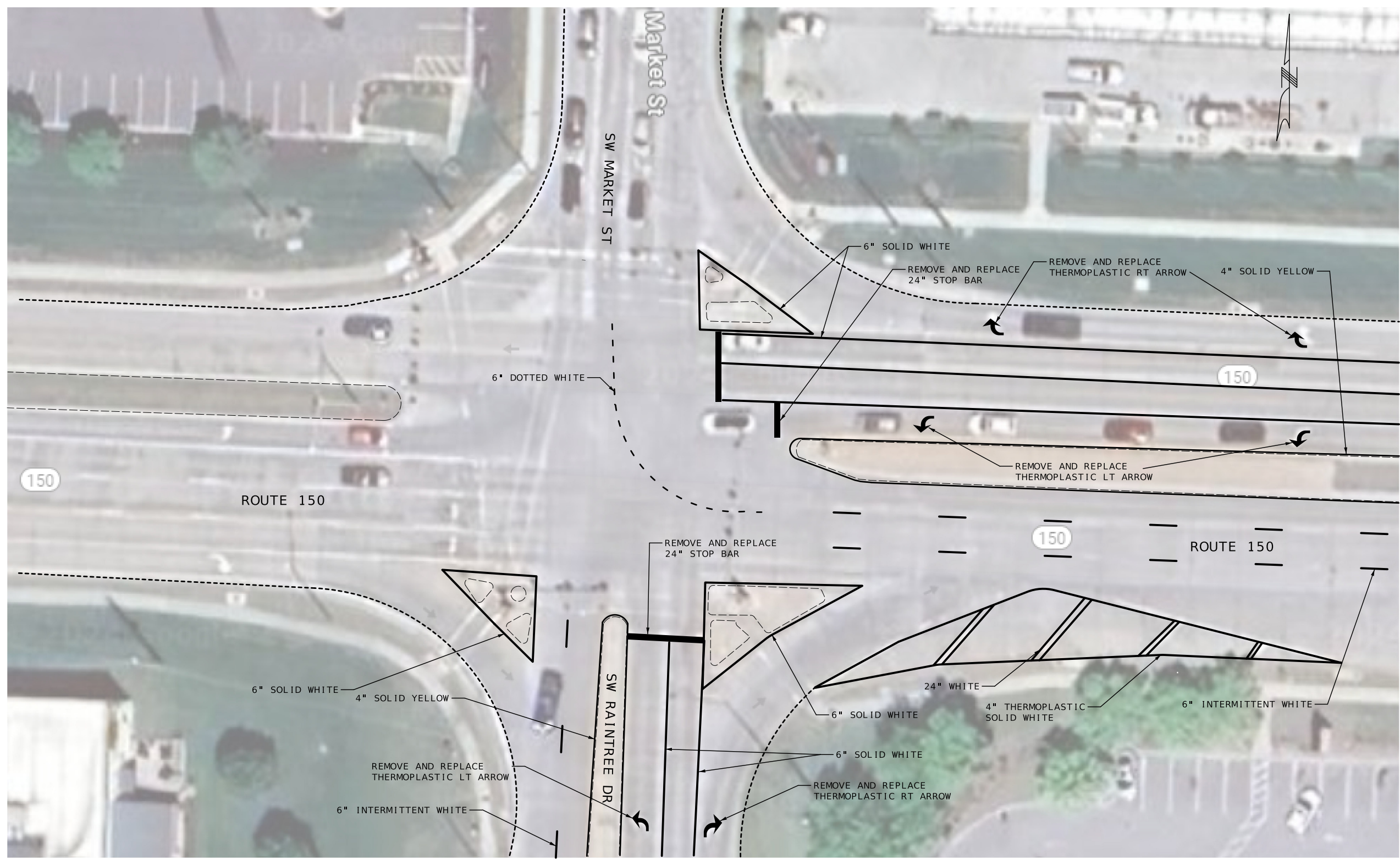
DATE PREPARED
11/20/2024
ROUTE 150 STATE MO
DISTRICT KC SHEET NO. 20
COUNTY JACKSON
JOB NO. JKU0043
CONTRACT ID.

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)



NOT TO SCALE

LIMITS OF PAVEMENT MARKING AT
 ROUTE 150 AND RAINTREE DRIVE
 SHEET 1 OF 1