

DESIGN DESIGNATION

A.A.D.T. - 2024 = 3577
 A.A.D.T. - 2034 = 4360
 D.H.V. = XX%
 T = 18%
 V = 60 M.P.H.
 D = 50%

FUNCTIONAL CLASSIFICATION-PRINCIPAL ARTERIALS

NO RIGHT OF WAY TO BE ACQUIRED FOR THIS PROJECT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

LAFAYETTE COUNTY



KEY MAP
LOCATION OF LAFAYETTE COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
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QUANTITIES (QU) (6 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4-4
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SIGNING (SN)-----	18-20
PAVEMENT MARKING (PM)-----	21-21
CULVERT SECTIONS (CS)-----	22-22



Jaclyn A. White
01/26/2025 2:58:29 PM
JACLYN A. WHITE - CIVIL
MO-PE-200300116

DATE PREPARED
1/29/2025

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 1

COUNTY LAFAYETTE

JOB NO. J3P3158

CONTRACT ID.

PROJECT NO.

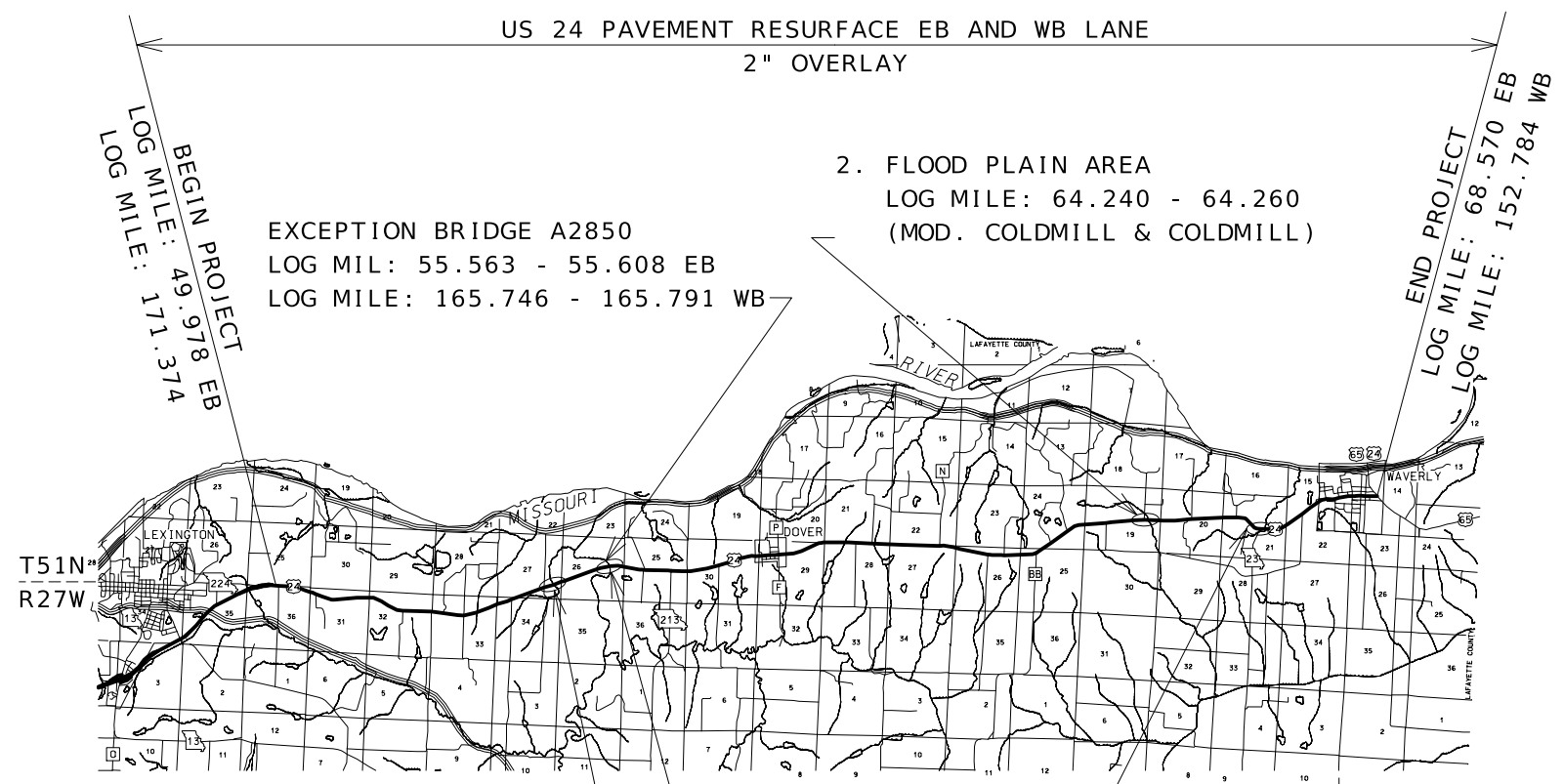
BRIDGE NO.

DESCRIPTION

DATE	DESCRIPTION

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-
OVERHEAD CABLE TV	-OTV-
UNDERGROUND CABLE TV	-UTV-
OVERHEAD TELEPHONE	-OT-
UNDERGROUND TELEPHONE	-UT-
OVERHEAD POWER	-OE-
UNDERGROUND POWER	-UE-
SANITARY SEWER	-S-
STORM SEWER	-SS-
GAS	-G-
WATER	-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	



- 1. FLOODPLAIN AREA(1)
LOG MIL: 54.620 - 54.645 EB
(MOD. COLDMILL & COLDMILL)
- 2. FLOOD PLAIN AREA
LOG MILE: 64.240 - 64.260
(MOD. COLDMILL & COLDMILL)
- 3. FLOOD PLAIN AREA
LOG MILE: 66.135 - 66.160 EB
(MOD. COLDMILL & COLDMILL)
- 4. FLOODPLAIN AREA (BRIDGE A2850 LOCATION)
LOG MILE: 55.553 TO 55.618 EB
(MOD. COLDMILL-BRIDGE A2850)

NOT TO SCALE

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.

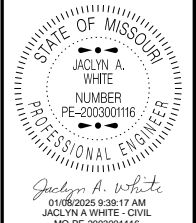
LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE: 49.978
END OF PROJECT	LOG MILE: 68.570
APPARENT LENGTH	98,165.76 FEET
EQUATIONS AND EXCEPTIONS:	
BRIDGE EXCEPTION-A2850	237.60 FEET
TOTAL CORRECTIONS	237.60 FEET
NET LENGTH OF PROJECT	97,928.16 FEET
STATE LENGTH	18.547 MILES
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0.10 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



DATE PREPARED
1/8/2025

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 2

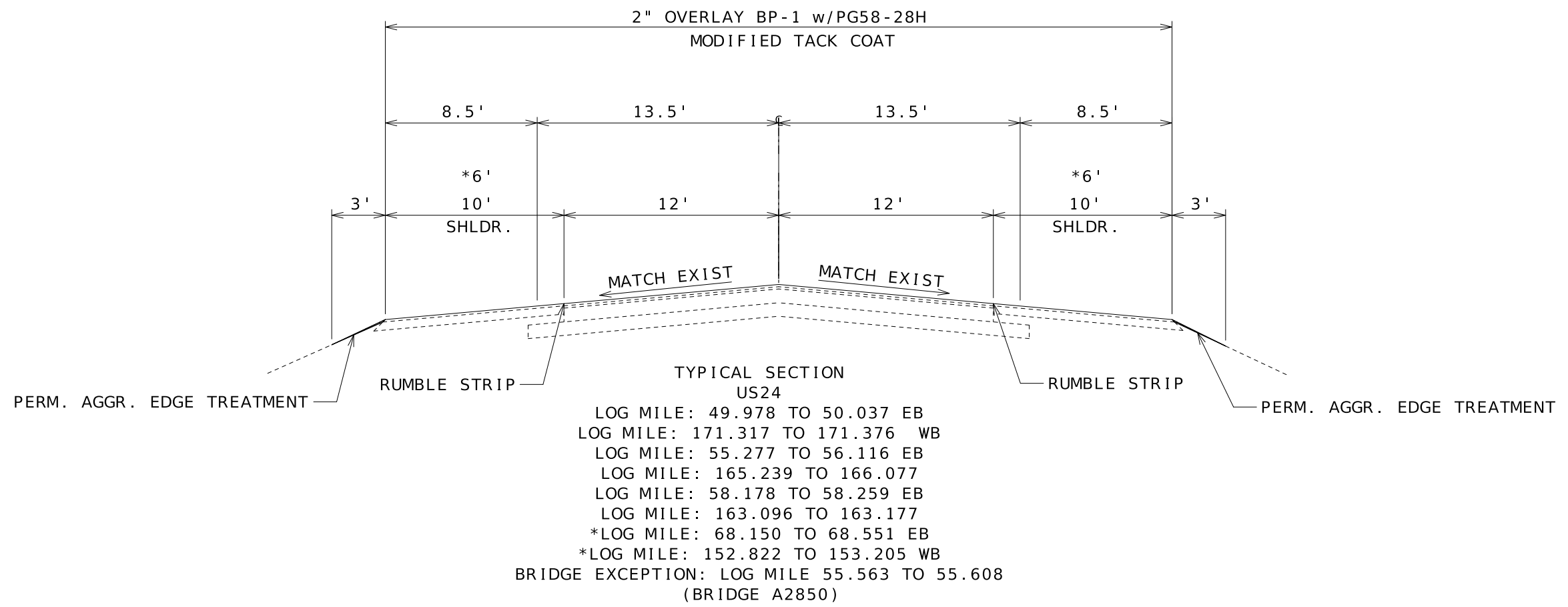
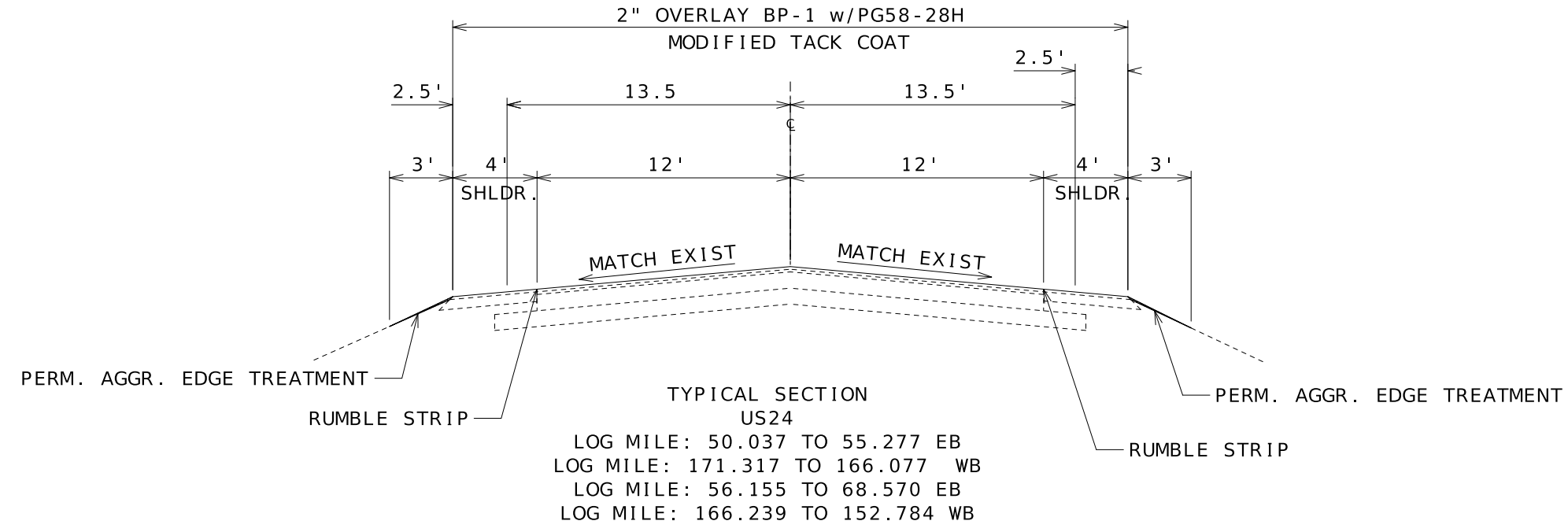
COUNTY LAFAYETTE
JOB NO. J3P3158
CONTRACT ID.

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)



- NOTES:
1. AREA WITH 4' OR LESS SHOULDER CAN BE PAVED WITH MAILINE.
 3. REFER TO SPECIAL SHEETS FOR COLDMILL LOCATIONS

ESTIMATE FACTORS	
MODIFIED TACK COAT	0.20 GAL/YD ²
BP-1 w/ PG58-28H	1.984 TON/YD ³
PERMANENT AGGREGATE EDGE TREATMENT	0.058 TONS/YD ² /INCH

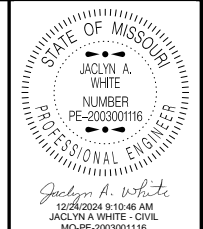
NOT TO SCALE

FULL DEPTH PAVEMENT REPAIR												
LOG MILE	LANES		LENGTH FT	WIDTH FT	FURNISHING & PLACING CONC. SQYD	SUBGRADE COMPACTION SQYD	TYPE 5 AGGR. FOR BASE SQYD	SAW CUT LF	DOWEL BARS EA	DOWEL BARS w/ BASKET EA	TIE TIE BAR EA	REMARKS
	EB	WB										
68.535	1		12	12	16.00	1.60	1.60	48	20			
68.525	1		80	12	106.67	10.67	10.67	184	20	40	32	
68.503/ 152.837	1	1	6	24	16.00	1.60	1.60	54	20			
68.473	1		6	12	8.00	0.80	0.80	30	20			
68.463	1		6	12	8.00	0.80	0.80	30	20			
68.444	1		6	12	8.00	0.80	0.80	30	20			
68.241	1		6	12	8.00	0.80	0.80	30	20			
68.233/ 153.107	1	1	6	24	16.00	1.60	1.60	54	20			
68.221	1		6	12	8.00	0.80	0.80	30	20			
68.107/ 153.414	1	1	6	24	16.00	1.60	1.60	54	20			
67.926/ 153.414	1	1	6	24	16.00	1.60	1.60	54	20			
69.907	1		6	12	8.00	0.80	0.80	30	20			
67.882/ 153.477	1	1	6	24	16.00	1.60	1.60	54	20			
67.748/ 153.611	1	1	6	24	16.00	1.60	1.60	54	20			
67.460/ 153.899	1	1	6	24	16.00	1.60	1.60	54	20			
66.990/ 154.369	1	1	6	24	16.00	1.60	1.60	54	20			
66.772/ 154.587	1	1	6	24	16.00	1.60	1.60	54	20			
56.714	1		12	12	16.00	1.60	1.60	48	20			
56.106/ 165.253	1	1	8	24	21.33	2.13	2.13	56	20			
55.277/ 166.082	1	1	6	24	16.00	1.60	1.60	54	20			
51.159/ 170.200	1	1	6	24	16.00	1.60	1.60	54	20			
TOTAL					384.00	38.40	38.40	1110.00	420.00	40.00	32.00	
FINAL PAY TOTAL					384.00	38.00	38.00	1110.00	420.00	40.00	32.00	

CONCRETE SIDEWALK & CURB RAMP							
BEG. STA.	END STA.	LENGTH L.F	LINEAR GRADING STA.	5' CONCRETE, 4" SIDEWALK & LANDINGS S.Y	CONC. CURB RAMP S.Y	TRUNCATED DOMES S.F	REMARKS
1041+66.58	1042+17.12	50.54	0.51	28.08			5' CONC. SIDEWALK AND LANDINGS
1041+66.58	1041+71.65	6.15	0.06		3.42	20.0	CONC. RAMP TO SANTE FE ELEM. SCHOOL PARKING LOT
1042+12.07	1042+17.10	9.15	0.09		5.08	20.0	CONC. RAMP TO US24 WB
1042+12.07	1042+17.04	5.00	0.05	2.78		20.0	5' CONC. LANDING ON US24 EB
FINAL TOTAL				0.66	30.86	8.50	60.00
FINAL PAY TOTAL				1.00	30.90	8.50	60.00

OBJECT MARKER								
NO	LOG MILE	OBJECT MARKER		SIGN SIZE	TYPE III	2" PSST POST	POST ANCHOR FOR	LOCATION
		WB	EB		OBJECT MARKER EA	12 GA LF	2" PSST - 12 GA LF	
A	54.287	1	1	12"x36"	2	2	12	1697' EAST OF SLUSHER SCHOOL RD. - ROUTE 24(OM3-L/R)
B	54.661	1	1	12"x36"	2	2	12	832' EAST OF NORTHRUP RD. - ROUTE 24(OM3-L/R)
C	59.005	1	1	12"x36"	2	2	12	3900' EAST OF MILL ST - ROUTE 24(OM3-L/R)
D	59.345	1	1	12"x36"	2	2	12	5377' EAST OF MILL ST. - ROUTE 24(OM3-L/R)
E	64.257	1	1	12"x36"	2	2	12	290' EAST OF BALTIMORE BENT RD. - ROUTE 24(OM3-L/R)
F	66.945	1	1	12"x36"	2	2	12	620' EAST OF OLD STANTA FE TRAIL - ROUTE 24(OM3-L/R)
FINAL PAY TOTAL					12.00	*12.00	*72.00	* REFER SIGN SHEET 20(D-29)

RELOCATE EXISTING SIGN ASSEMBLIES							
EX. SIGN STATION	EX. SIGN OFFSET FT	RELOCATE STATION	RELOCATE OFFSET FT	LOCATIONS	RELOCATE SIGNS EA	RELOCATE SIGNS SQFT	REMARKS
1041+80.88	29.09 LT.	1042+19.12	18.42 LT.	RELOCATE EX. SIGN TO NEW LOCATION w/ POST & ASSEMBLIES	1.00	9.00	RELOCATE SCHOOL CROSSING SIGN - S1-1
1041+80.88	29.09 LT.	1042+19.12	18.42 LT.	RELOCATE EX. SIGN TO NEW LOCATION		2.00	RELOCATE DIAGONAL ARROW SIGN - W16-7P_L
1040+67.84	24.62 RT.	1042+10.08	17.37 RT.	RELOCATE EX. SIGN TO NEW LOCATION	1.00	2.00	RELOCATE DIAGONAL ARROW SIGN - W16-7P_L
FINAL PAY TOTAL					2.00	*13.00	* FOR INFORMATION ONLY



DATE PREPARED
12/23/2024

ROUTE
24

DISTRICT
KC

STATE
MO

SHEET NO.
3

COUNTY
LAFAYETTE

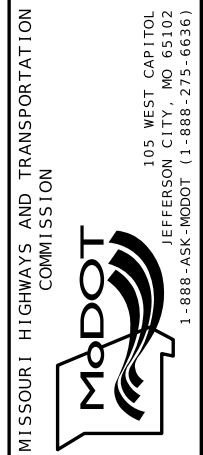
JOB NO.
J3P3158

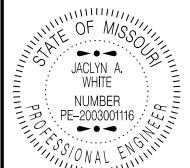
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE





DATE PREPARED
12/23/2024 9:11:30 AM
JACLYN A WHITE - CIVIL
MO-PE-200300116

ROUTE STATE
24 MO
DISTRICT SHEET NO.
KC 3

COUNTY
LAFAYETTE

JOB NO.
J3P3158
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



PAVEMENT MARKINGS							
LOG MILE	LOG MILE	LENGTH LF	6" WHITE HIGH BUILD WATERBORNE PVM'T MARKING PAINT TYPE L BEADS LF	4" INTERMITTENT YELLOW HIGH BUILD WATERBORNE PVM'T MARKING PAINT TYPE L BEADS LF	4" YELLOW C/L HIGH BUILD WATERBORNE PVM'T MARKING PAINT TYPE L BEADS LF	PREFORMED THERMOPLASTIC 30" MIDBLOCK MARKING EA	REMARKS
49.978	52.978	15840	31680.00		31680.00		BEGINNING OF PROJECT
52.978	53.098	633.60	1267.20	158.40	633.60		
53.098	53.198	528.00	1056.00		1056.00		
53.198	53.518	1689.60	3379.20	422.40	1689.60		
53.518	53.598	422.40	844.80		844.80		
53.598	53.799	1061.28	2122.56	265.32	1061.28		
53.799	53.858	311.52	623.04	77.88			
53.858	53.879	110.88	221.76		221.76		
53.879	54.818	4957.92	9915.84	1239.48	4957.92		
54.818	54.898	422.40	844.80		844.80		
54.898	55.018	633.60	1267.20	158.40	633.60		
55.018	55.178	844.80	1689.60	211.20			
55.178	55.717	2845.92	5691.84	711.48	2845.92		
55.717	55.836	628.32	1256.64		1256.64		
55.836	55.956	633.60	1267.20	158.40	633.60		
55.956	57.454	7909.44	15818.88		15818.88		
57.454	57.817	1916.64	3833.28	479.16	1916.64		
57.817	58.116	1578.72	3157.44		3157.44		
58.116	58.197	427.68	855.36	106.92	427.68		
58.197	59.200	5295.84	10591.68		10591.68		
59.200	59.320	633.60	1267.20	158.40	633.60		
59.320	59.400	422.40	844.80		844.80		
59.400	59.520	633.60	1267.20	158.40	633.60		
59.520	59.599	417.12	834.24		834.24		
59.599	59.739	739.20	1478.40	184.80	739.20		
59.739	59.819	422.40	844.80		844.80		
59.819	59.899	422.40	844.80	105.60	422.40		
59.899	59.998	522.72	1045.44		1045.44		
59.998	60.099	533.28	1066.56	133.32	533.28		
60.099	63.458	17735.52	35471.04		35471.04		
63.458	63.639	955.68	1911.36	238.92	955.68		
63.639	63.780	744.48	1488.96	186.12			
63.780	63.940	844.80	1689.60	211.20	844.80		
63.940	64.478	2840.64	5681.28		5681.28		
64.478	64.558	422.40	844.80	105.60	422.40		
64.558	64.638	422.40	844.80		844.80		
64.638	64.757	628.32	1256.64	157.08	628.32		
64.757	65.137	2006.40	4012.80		4012.80		
65.137	65.257	633.60	1267.20	158.40	633.60		
65.257	66.038	4123.68	8247.36		8247.36		
66.038	66.298	1372.80	2745.60	343.20	1372.80		
66.298	66.819	2750.88	5501.76		5501.76		
66.819	67.120	1589.28	3178.56	397.32	1589.28		
67.120	67.999	4641.12	9282.24	1160.28			
67.379						5	AT SANTA FE ELEMENTARY SCHOOL & PINE ST.
67.999	68.570	3014.88	6029.76	753.72	3014.88		
	TOTAL		196331.52	8441.40	156024	5	
	FINAL PAY TOTAL		196332.00		164466.00	5.00	

OPTIONAL TEMPORARY PAVEMENT MARKING
FINAL PAY TOTAL 1 LUMP SUM

PIPE CULVERT					
BEG. STATION	END STATION	CLASS 3 EXCAVATION CUYD	15" GROUP B PIPE LF	15" GROUP B FLARED END SECTION EA	REMARKS
1041+69.44	1042+21.30	34.03	50.00	1.00	BUILD 15" GROUP B PIPE, 15" GROUP B FES
TOTAL		34.03	50.00	1.00	* FOR INFORMATION ONLY
FINAL PAY TOTAL		34.00	50.00	1.00	

ROCK LINING FOR CULVERT OUTLET				
BEG. STATION	END STATION	CLASS A EXCAVATION CY	ROCK LINING CY	REMARKS
1042+19.70	1042+31.70	5.78	2.00	
TOTAL		*6.00	2.00	* FOR INFORMATION ONLY
FINAL PAY TOTAL			2.00	

CULVERT CLEANOUT				
BEG. STATION	END STATION	LENGTH LF	CULVERT CLEANOUT EA	REMARKS
1041+08.33	1041+69.44	61.11	1.00	EX. 15" CULVERT AT SANTE FE ELEM. SCHOOL ENTRANCE
TOTAL		*61.00	1.00	* FOR INFORMATION ONLY
FINAL PAY TOTAL			1.00	

TEMPORARY EROSION CONTROL					
BEG. STA.	END STA.	ROCK DITCH CHECK LF	SEDIMENT TRAP CY	SEDIMENT REMOVAL CY	REMARKS
1041+50.00	1043+25.00	24.0	2.0	3.0	PROPOSED SIDEWALK EAST OF SANTE FE ELEM. SCHOOL ENTRANCE
TOTAL		24.00	2.0	3.0	
FINAL PAY TOTAL		24.00	2.00	3.00	

SEEDING AND EROSION CONTROL BLANKET					
BEGIN STATION	END STATION	AREA SQFT	SEEDING COOL SEASON GRASSES ACRE	TYPE 1C ECB SY	REMARKS
1041+50.00	1042+25.00	1000.000	0.02	111.11	NE SECTION OF US24 & SANTE FE ELEMENTARY SCHOOL
TOTAL			0.02	111.11	
FINAL PAY TOTAL			0.10	112.00	

OBJECT MARKER							
NO	LOG MILE	OBJECT MARKER		TYPE III OBJECT MARKER EA	2" PSST POST 12 GA LF	POST ANCHOR FOR 2" PSST - 12 GA LF	LOCATION
		WB	EB				
1	54.287	1	1	2	2	12	1697' EAST OF SLUSHER SCHOOL RD. - ROUTE 24
2	54.661	1	1	2	2	12	832' EAST OF NORTHRUP RD. - ROUTE 24
3	59.005	1	1	2	2	12	3900' EAST OF MILL ST - ROUTE 24
4	59.345	1	1	2	2	12	5377' EAST OF MILL ST. - ROUTE 24
6	64.257	1	1	2	2	12	290' EAST OF BALTIMORE BENT RD. - ROUTE 24
8	66.945	1	1	2	2	12	620' EAST OF OLD STANTA FE TRAIL - ROUTE 24
FINAL PAY TOTAL				12.00	*12.00	*72.00	*REFER SHEET 19 (D-29)

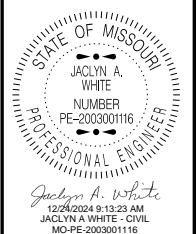


DATE PREPARED
12/23/2024

ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY LAFAYETTE
JOB NO. J3P3158
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION





DATE PREPARED
12/23/2024
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY LAFAYETTE
JOB NO. J3P3158
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

Main table with columns: SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION, SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION, ITEM NUMBER, TOTAL QTY, DESCRIPTION. Includes sub-sections for WARNING SIGNS, GUIDE SIGNS, REGULATORY SIGNS, MISCELLANEOUS SIGNS, and CONSTRUCTION SIGNS.

SUMMARY OF QUANTITIES SHEET 6 OF 6

DESCRIPTION and DATE columns with vertical grid lines for data entry.

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

STA.1041+66.58 - STA.1041+71.64
 REMOVE PART OF EX. FENCE AND POST
 TO PLACE THE PROPOSED NEW SIDEWALK

STA.1041+71.65
 OFFSET 36.67' LT.

DND EX. FBR. OPTIC CABLE
 UNDERGROUND BOX

ADA TRUNCATED DOME'S
 STA.1041+66.58
 OFFSET 36.67' LT.

DND EX. FBR. OPTIC
 CABLE POST

STA.1042+12.07
 OFFSET 30.58' LT

STA.1041+08.33 - STA.1041+69.44
 CLEANOUT EX. CULVERT

DND

1042

STA.1042+17.12
 OFFSET 30.55' LT.

5" CONC. CURB RAMP
 5" CONC. LANDING

5' CONC. LANDING

5' CONC. CURB RAMP

SEE SURVEY NOTES

STA.1041+66.58
 OFFSET 25.48' LT.

STA.1041+71.63
 OFFSET 25.52' LT.

ADA TRUNCATED DOME'S

STA.1042+12.07
 OFFSET 16.44' LT.

STA.1042+17.10
 OFFSET 16.41' LT.

1. STA.1041+66.58 TO 1042+17.07 ON US24 WB
 BUILD 5' ADA COMPLIANT
 5' CONC. SIDEWALK & CURB RAMP
2. STA.1042+12.07 TO 1042+17.04 ON US24 EB
 BUILD 5' ADA COMPLIANT
 5' CONC. & CURB RAMP

PC STA 1041+52.30

ADA TRUNCATED DOME'S

STA.1042+12.07
 OFFSET 15.33' RT.

STA.1042+17.04
 OFFSET 15.29' RT.

5' CONC. LANDING

NOTES:
 REFER SIGN SHEETS FOR DETAILS(SHEETS 19, 20 & 21)
 REFER PAVEMENT MARKING SHEET FOR DETAILS(SHEET 22)
 REFER CULVERT SHEET FOR DETAILS(SHEET 23)

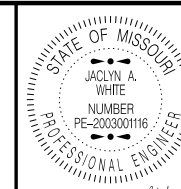
STA.1042+17.03
 OFFSET 20.31' RT.

STA.1042+12.07
 OFFSET 20.22 RT.

SCALE

0 5 10 15

PLAN SHEET
 SHEET 1 OF 1



Jaclyn A. White
 01/29/2025 2:59:36 PM
 JACLYN A. WHITE - CIVIL
 MO-PE-200300116

DATE PREPARED
 1/29/2025

ROUTE
 24

STATE
 MO

DISTRICT
 KC

SHEET NO.
 4

COUNTY
 LAFAYETTE

JOB NO.
 J3P3158

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

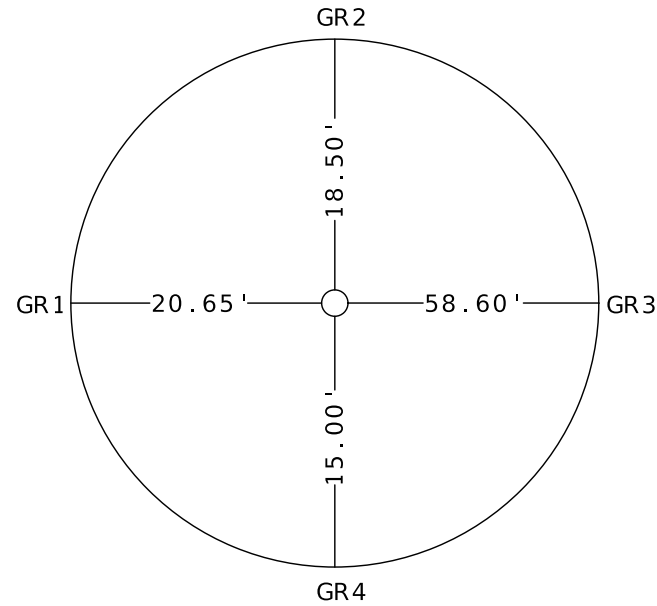
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

5/8" BAR w/ PINK MoDOT CAP
±5' BURIED BELOW GROUND
±500' W. US24 & WASHINGTON RD.
IN FRONT OF SANTE FE ELEM. SCHOOL

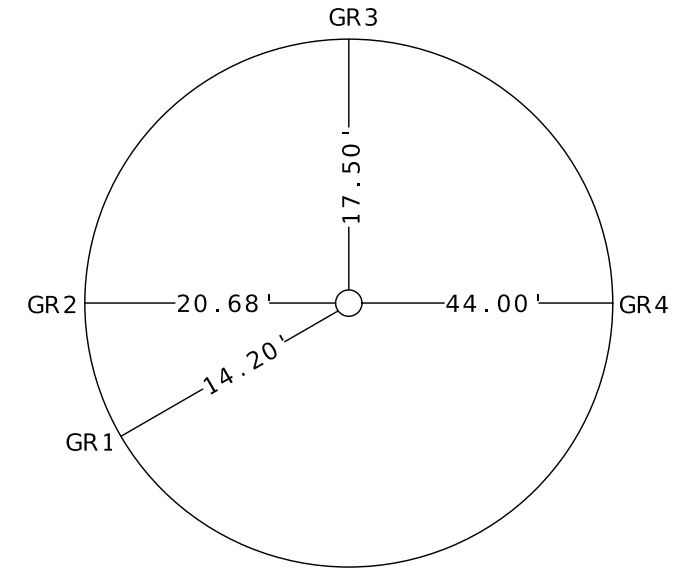
C.P #1
STA.1039+76.15
OFFSET:32.24' LT.
N:1108518.370
E:3064526.864
ELEV:804.30'



GR1:PHONE POLE
GR2:ASPH. PARKING LOT
GR3:15" BLACK PIPE
GR4:EOS,US24 WB

5/8" BAR w/ PINK MoDOT CAP
±5' BURIED BELOW GROUND
SE QUADRANT, US24 & WASHINGTON RD
US24 WB, HOUSE#501

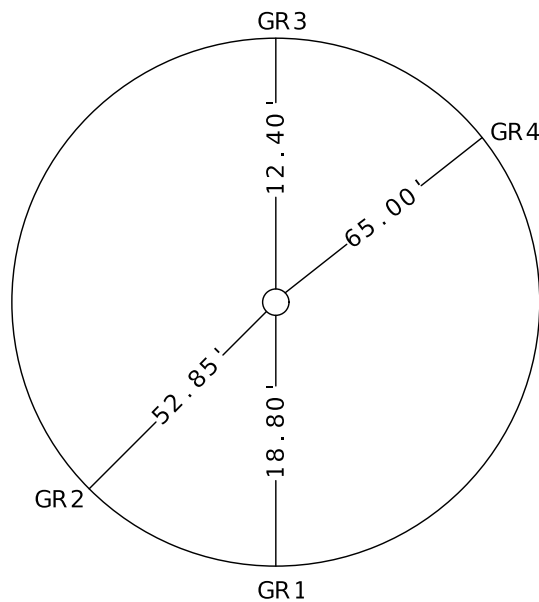
C.P #2
STA.1044+75.57
OFFSET:31.41' RT.
N:1108482.738
E:3065029.909
ELEV:796.01'



GR1:LIGHT POLE, #337641
GR2:WATER VALVE
GR3:EOS, US24 EB
GR4:☺ GRAVEL DRIVEWAY
(HOUSE#508, US24 EB)

5/8" BAR w/ PINK MoDOT CAP
±5' BURIED BELOW GROUND
US24 & 7TH STREET

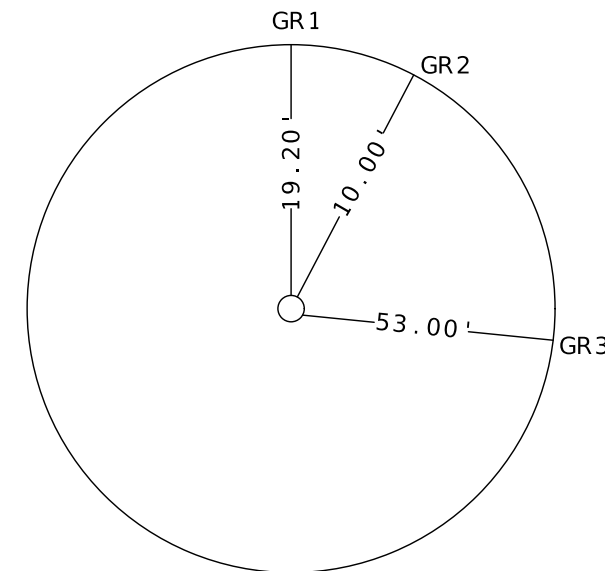
C.P #4
STA.1034+73.08
OFFSET:35.21' LT.
N:1108427.778
E:3064022.735
ELEV:808.28'



GR1:EOS, US24 WB
GR2:MAIL BOX, HOUSE# 808, US24 WB
GR3:7TH STREET
GR4:TELEPHONE POLE
NOT TO SCALE

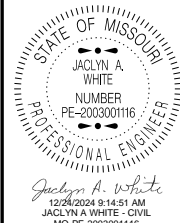
5/8" BAR w/ PINK MoDOT CAP
±5' BURIED BELOW GROUND
± 1/4 MILE SW OF CP.#4
SW VICTORY CHRISTIAN FELLOWSHIP CHURCH

C.P #5
N:1107667.716
E:3063031.991
ELEV:784.81'



GR1:EOS, US24 EB
GR2:SPEED LIMIT SIGN, 45
GR3:POWER POLE, #337332

REFERENCE POINTS SHEET
SHEET 1 OF 1



DATE PREPARED
12/23/2024
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 5
COUNTY LAFAYETTE
JOB NO. J3P3158
CONTRACT ID.

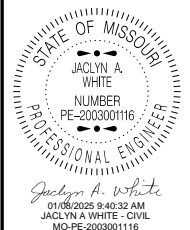
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



Jacquelyn A. White
 01/08/2025 9:40:32 AM
 JACQUELYN A. WHITE - CIVIL
 MO-PE-200300116

DATE PREPARED
 1/8/2025

ROUTE STATE
 24 MO

DISTRICT SHEET NO.
 KC 6

COUNTY
 LAFAYETTE

JOB NO.
 J3P3158

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
5	1039+76.15	US24	32.24 LT.	1,108,518.370	3,064,526.864	804.30	5/8" BAR w/ PINK MoDOT CAP	1
5	1044+75.57	US24	31.41 RT.	1,108,482.740	3,065,029.909	796.01	5/8" BAR w/ PINK MoDOT CAP	2
5	1034+73.08	US24	35.21 LT.	1,108,427.778	3,064,022.735	808.28	5/8" BAR w/ PINK MoDOT CAP	4
5		US24		1,107,667.716	3,063,031.991	784.81	5/8" BAR w/ PINK MoDOT CAP	5
ALIGNMENTS								
	1029+17.60	C/L US24	0	1,108,096.307	3,063,569.914		START	EXIST US24
	1032+17.60	C/L US24	0	1,108,270.922	3,063,813.860		PC	EXIST US24
	1039+07.60	C/L US24	0	1,108,484.824	3,064,458.944		PT	EXIST US24
4	1041+52.30	C/L US24	0	1,108,489.499	3,064,703.599	797.92	PC	EXIST US24
	1045+10.60	C/L US24	0	1,108,518.700	3,065,060.473		PT_EQNBK	EXIST US24
	1045+96.10	C/L US24	0	1,108,518.700	3,065,060.473		PT_EQNAHD	EXIST US24
	1054+27.12	C/L US24	0	1,108,638.100	3,065,882.867		END	EXIST US24

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM MODIFIED STATE PLANE (GROUND)
 HORIZONTAL DATUM NAD83
 VERTICAL DATUM NAVD88
 GEIOD MODEL GEOID18
 ELEVATIONS DETERMINED BY GPS OBSERVATION

PROJECT PROJECTION FACTOR 1.00000335

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM MO COORDINATE SYSTEM OF 1983
 CONTROL STATION MO GEOGRAPHIC REFERENCE SYSTEM
 DESIGNATION H 327
 CORS_ID XX
 PID KD0951
 LATITUDE 39°12'11.635046"
 LONGITUDE 93°32'04.098683"
 NORTHING (M) 337454.5230
 EASTING (M) 933396.3290
 ZONE WEST

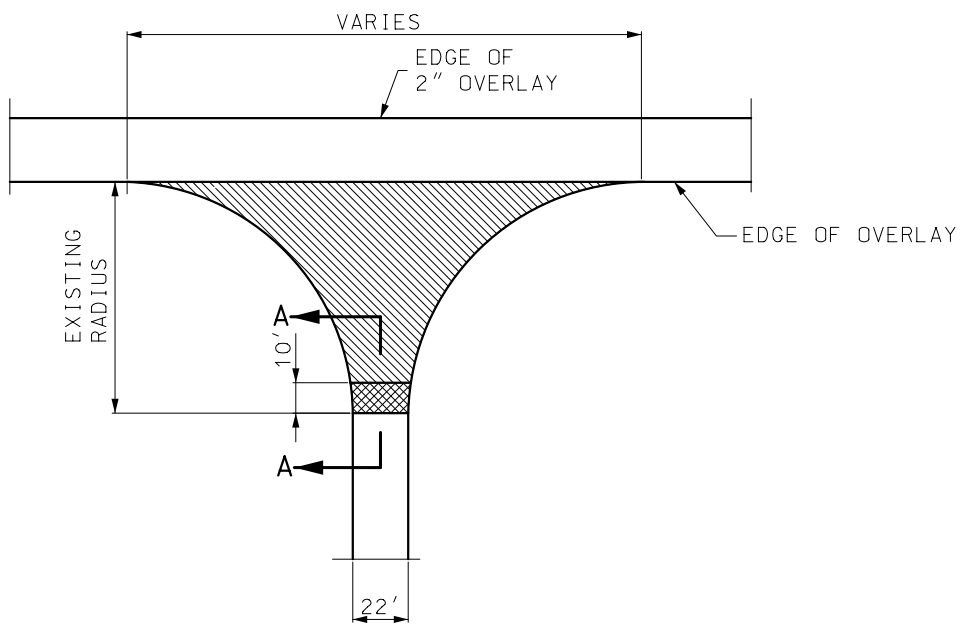
PROJECT AVERAGE GRID FACTOR 0.99999665

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING
 PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING

EXAMPLE: CONTROL POINT # 1
 N 1108518.37 X 0.99999665 = N 1108514.66
 E 3064526.86 X 0.99999665 = E 3064516.60

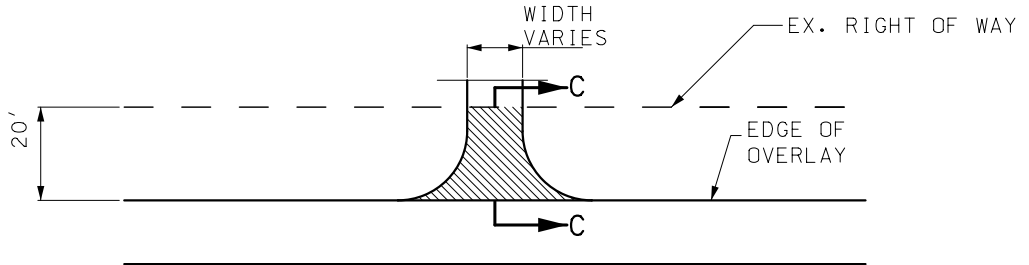
LINEAR UNIT CONVERSION
 1 METER = 3.280833333 US SURVEY FEET (USFT)



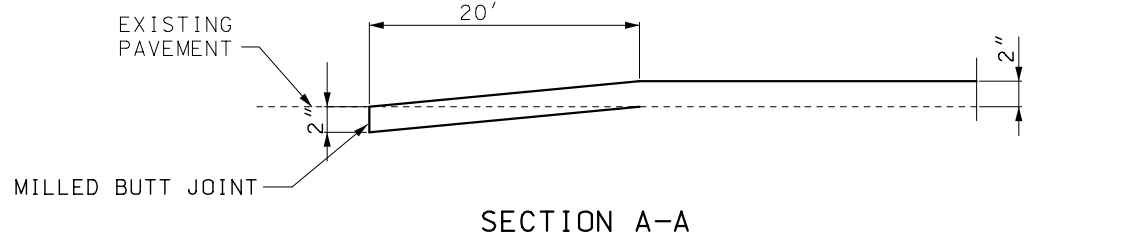
EXISTING RADIUS

10'

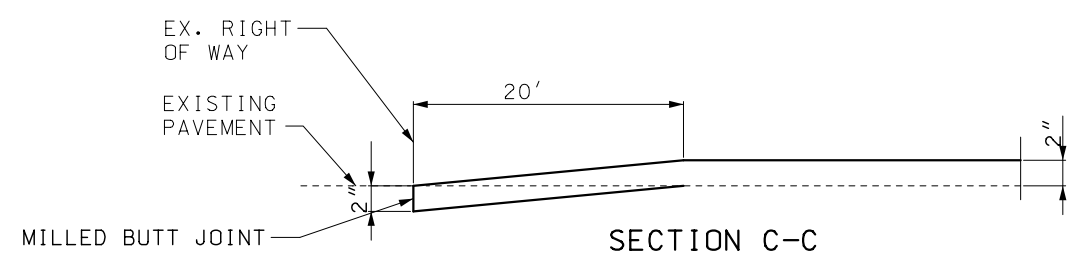
22'



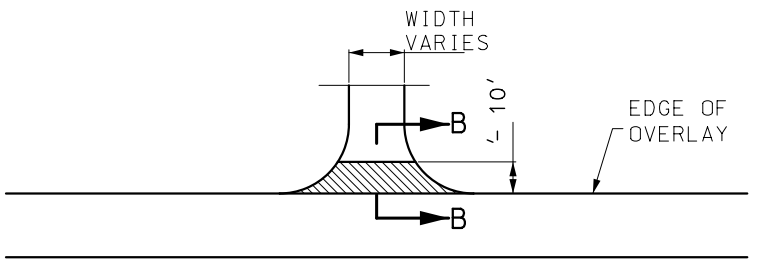
TYPICAL ASPHALT ENTRANCE



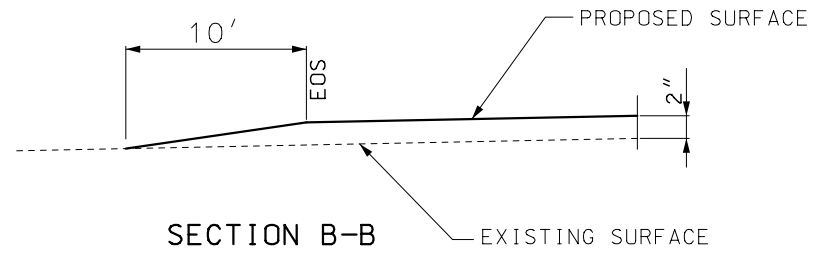
SECTION A-A



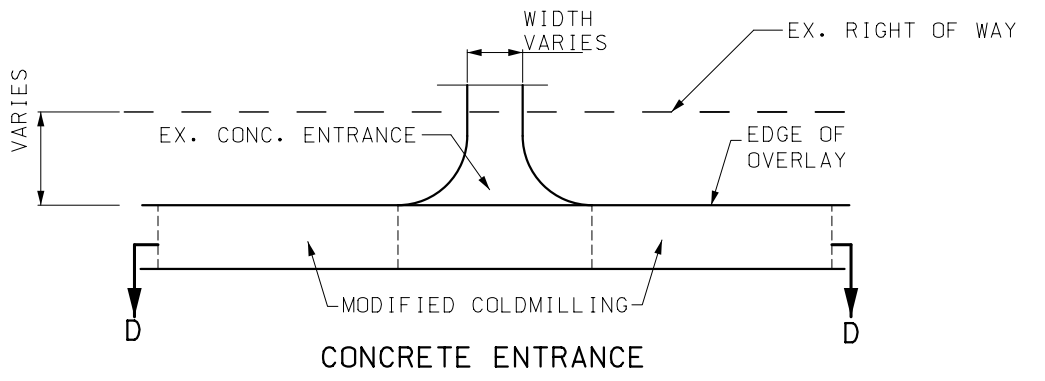
SECTION C-C
TYPICAL ASPHALT ENTRANCE



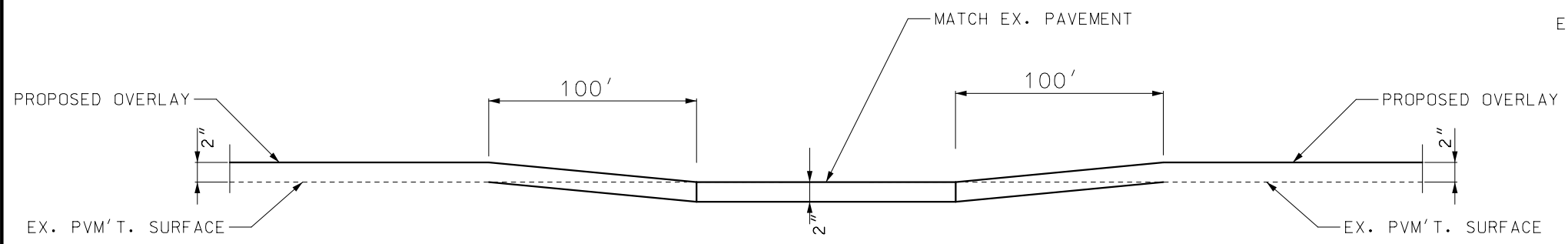
TYPICAL GRAVEL ENTRANCE
(COUNTY OR PRIVATE ROAD)



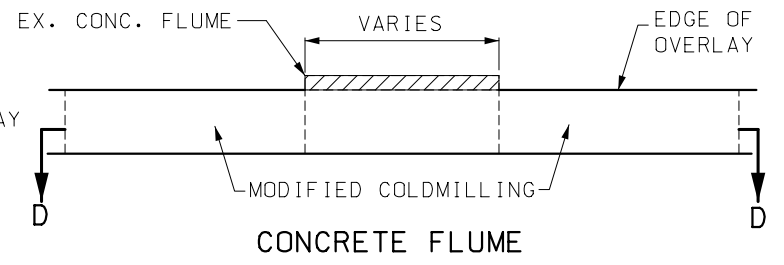
SECTION B-B
TYPICAL GRAVEL ENTRANCE
(COUNTY OR PRIVATE ROAD)



CONCRETE ENTRANCE



SECTION D-D
TYPICAL CONCRETE ENTRANCE/ FLUME



CONCRETE FLUME

NOT TO SCALE

SPECIAL SHEET
SHEET 1 OF 2

STATE OF MISSOURI
JACLYN A. WHITE
NUMBER PE-2003001116
PROFESSIONAL ENGINEER

Jaclyn A. White
12/24/2024 9:16:17 AM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/23/2024

ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 7

COUNTY
LAFAYETTE

JOB NO.
J3P3158


CONTRACT ID.

PROJECT NO.

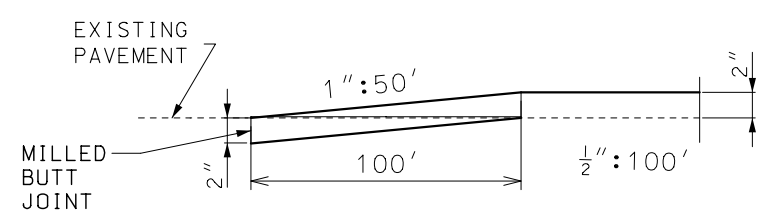
BRIDGE NO.

DATE	DESCRIPTION

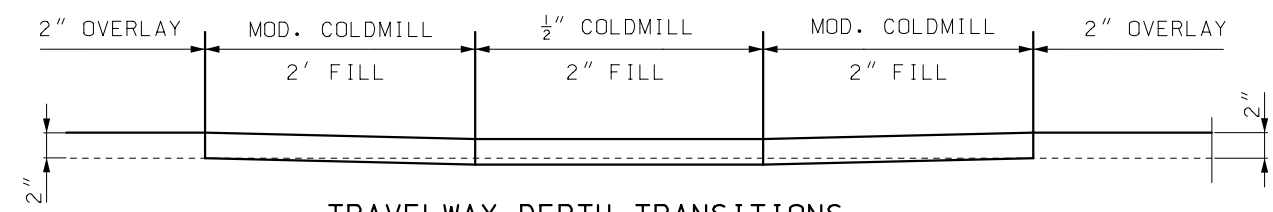
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

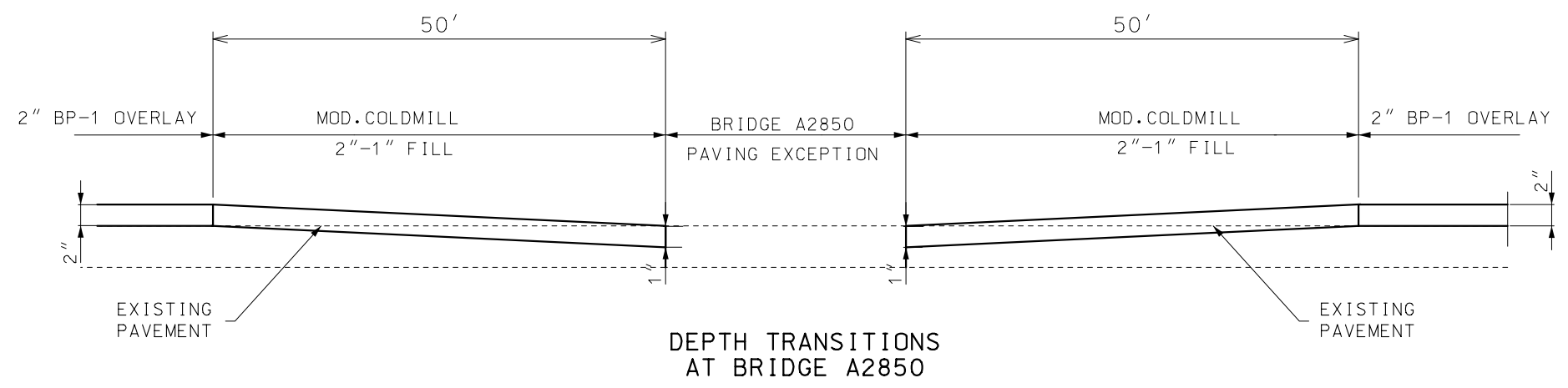


TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT



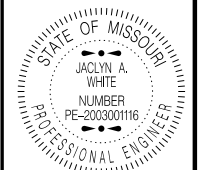
TRAVELWAY DEPTH TRANSITIONS
THROUGH FLOOD PLAIN AREAS

LOCATIONS OF MODIFIED MILLING FOR FLOODPLAIN LOCATIONS							
LOCATION	MODIFIED MILL		COLDMILL		MODIFIED MILL		REMARKS
	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	
1	54.620	54.625	54.625	54.640	54.640	54.645	1/2" COLDMILL -EAST OF NORTHRUP RD
2	64.240	64.245	64.245	64.255	64.255	64.260	1/2" COLDMILL -EAST OF BALTILORE BEND RD.
3	66.135	66.140	66.140	66.155	66.155	66.160	1/2" COLDMILL -EAST OF ROUTE 23



DEPTH TRANSITIONS
AT BRIDGE A2850

NOT TO SCALE



DATE PREPARED
12/23/2024

ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 8

COUNTY
LAFAYETTE

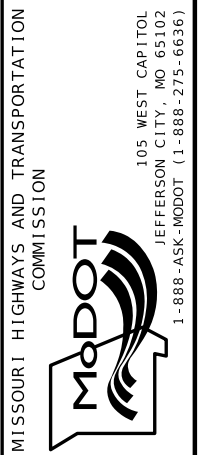
JOB NO.
J3P3158

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION



SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER

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

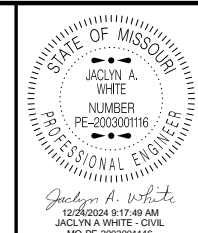
TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

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 10 FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH

ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.

- NOTE:**
- (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

- (5) ON DIVIDED HIGHWAYS, THE REDUCED SPEED IS APPLICABLE TO THE AFFECTED DIRECTION OF TRAVEL ONLY.
- (6) EXISTING SPEED LIMIT SIGNS WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE SHALL BE COVERED OR REMOVED.
- (7) SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHOULD BE INSTALLED AT THE END OF THE REDUCED AREA PROVIDED NO OTHER REDUCTION IS IMPOSED WITHIN THE NEXT ONE-HALF MILE OR NO EXISTING SPEED LIMIT SIGN IS LOCATED WITHIN THE NEXT ONE-HALF MILE.
- (8) REDUCED SPEED LIMIT SIGNING SHALL BE REMOVED, COVERED OR TURNED FROM TRAFFIC WHEN CONDITIONS REQUIRING THE REDUCED SPEED NO LONGER EXIST.
- (9) FOR TWO-LANE ROADWAYS, NORMAL SPEED LIMIT SIGNS ARE TYPICALLY INSTALLED OPPOSITE THE WORK ZONE SPEED LIMIT SIGN ON THE OPPOSITE APPROACH FACING TRAFFIC LEAVING THE WORK ZONE.
- (10) REDUCED SPEED LIMIT SIGNS ARE NOT TO BE INSTALLED ON SIDE STREET APPROACHES OR RAMP FOR WORK LIMITED TO MAIN LINE ONLY. REDUCED SPEED LIMIT SIGNS MAY BE INSTALLED DOWNSTREAM FROM THE RAMP OR SIDE STREET TO INFORM DRIVERS OF THE WORK ZONE SPEED LIMIT. IF THE WORK IS ON THE RAMP, OR AFFECTS THE RAMP, REDUCED SPEED LIMIT SIGNS ARE TO BE USED.
- (11) POSTED WORK ZONE SPEED LIMIT SHALL NOT BE BELOW 35 MPH, EXCEPT WHEN LOCAL ORDINANCE PROVIDES FOR A LOWER SPEED. THE LOWER SPEED SHALL BE USED WHEN APPLICABLE.
- (12) APPROPRIATE WARNING SIGNS WITH ADVISORY SPEED PLAQUES SHOULD BE USED TO ADVISE OF ANY SPECIALIZED SITUATIONS (I.E., TEMPORARY BYPASS, NARROW LANES, ETC.).
- (13) FOR APPROVED SPEED REDUCTIONS GREATER THAN 10 MPH, ADDITIONAL NOTIFICATION SHOULD BE PROVIDED THROUGH THE USE OF THE SPEED LIMIT XX AHEAD SIGN. REFER TO THE WORK ZONE SPEED LIMIT FIGURES.
- (14) FOR APPROVED SPEED REDUCTIONS GREATER THAN 20 MPH, THE SPEED LIMIT SHOULD BE REDUCED IN TWO STAGES. REFER THE WORK ZONE SPEED LIMIT FIGURES.



DATE PREPARED
12/23/2024

ROUTE **24** STATE **MO**

DISTRICT **KC** SHEET NO. **9**

COUNTY
LAFAYETTE

JOB NO.
J3P3158

CONTRACT ID.

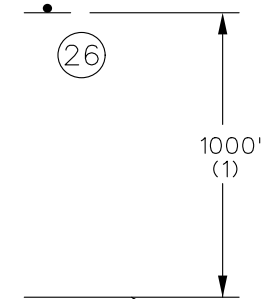
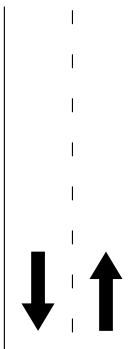
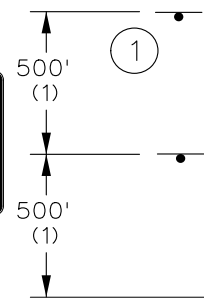
PROJECT NO.

BRIDGE NO.

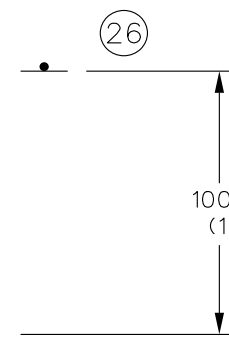
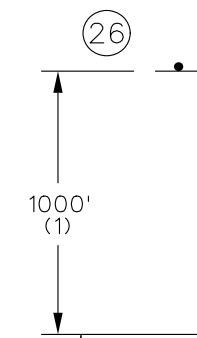
DATE	DESCRIPTION



WORK ZONE
NO PHONE
ZONE
SPECIAL (4)



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 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.

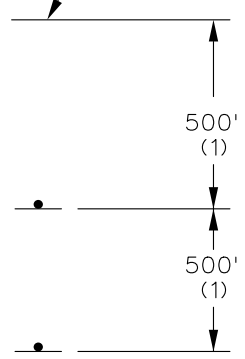
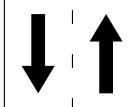
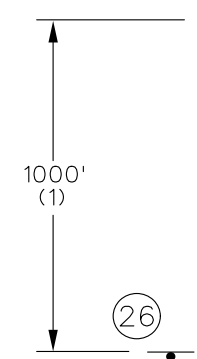
(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT 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.



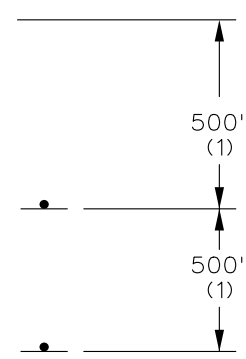
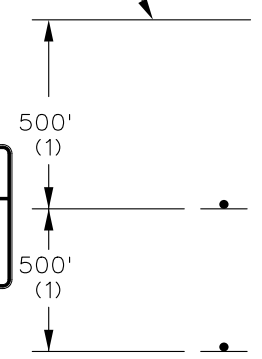
CONST-5-96 (2)(3)

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

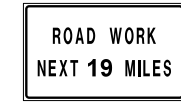


WORK ZONE
NO PHONE
ZONE
SPECIAL (4)

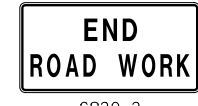
WORK ZONE
NO PHONE
ZONE
SPECIAL (4)



WORK ZONE
NO PHONE
ZONE
SPECIAL (4)



G020-1
①



G020-2
②6



CONST-5-48 (2)(3)

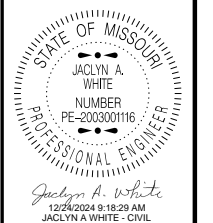
TWO-LANE UNDIVIDED

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

MULTI-LANE DIVIDED

BEGIN/ END
TRAFFIC SIGNING
TEMPORARY TRAFFIC CONTROL
SHEET 2 OF 7

NOT TO SCALE



DATE PREPARED
12/23/2024
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 10
COUNTY LAFAYETTE
JOB NO. J3P3158
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)



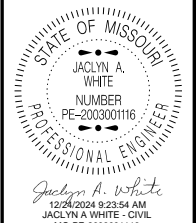
SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

DISTANCE MAY BE ADJUSTED ACCORDING TO 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.

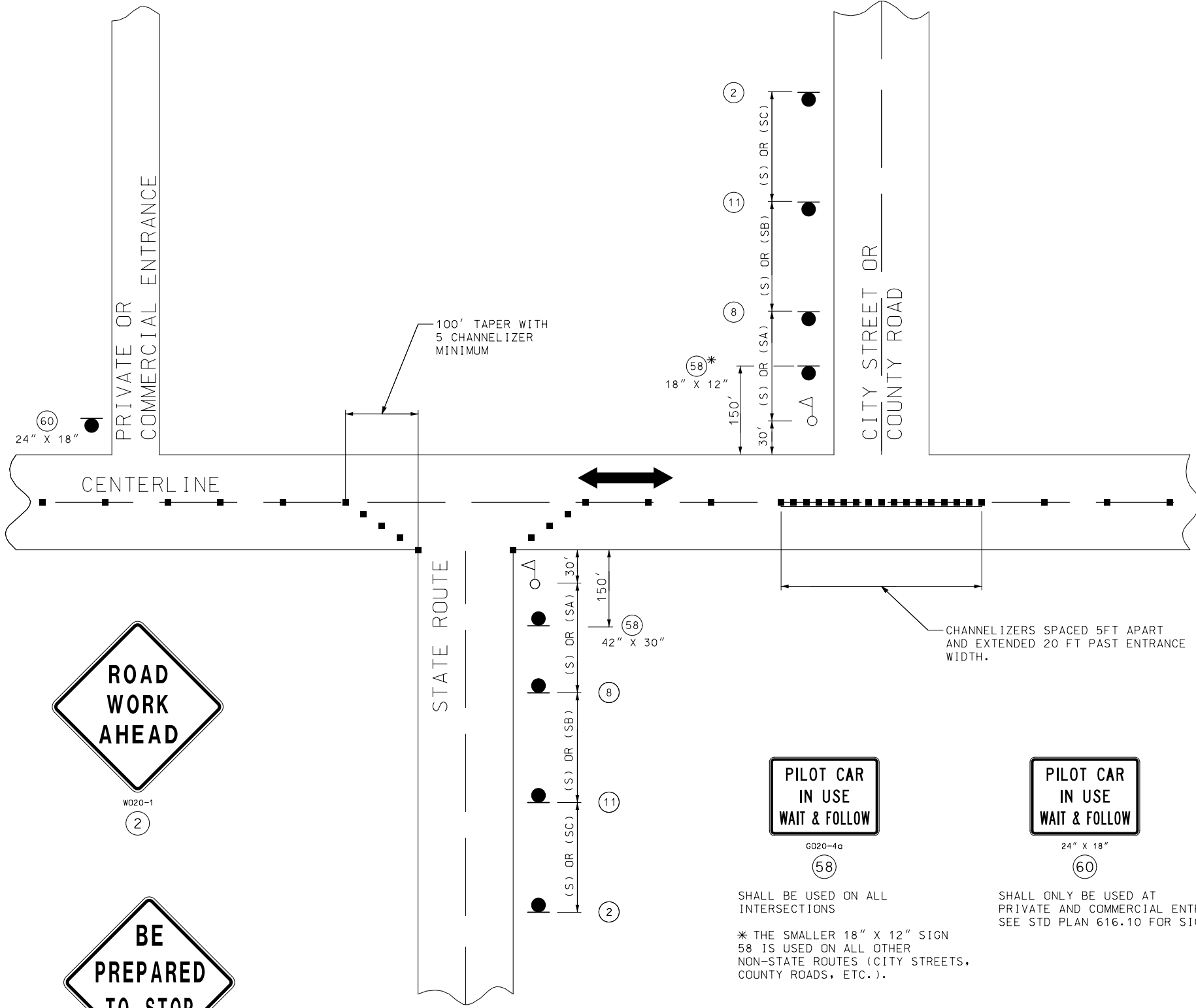
- - CHANNELIZERS (AS SPECIFIED)
- △ - FLAGGER



DATE PREPARED 12/23/2024	
ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 11
COUNTY LAFAYETTE	
JOB NO. J3P3158	
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)



W020-1
②



W03-4
⑪



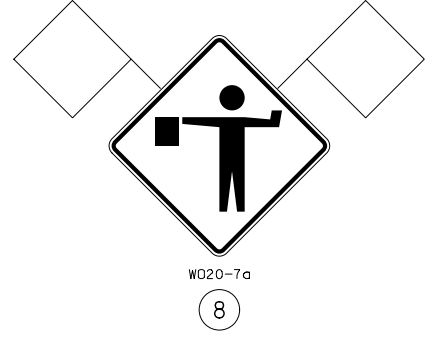
G020-4a
⑤⑧

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.).



W020-7a
⑧

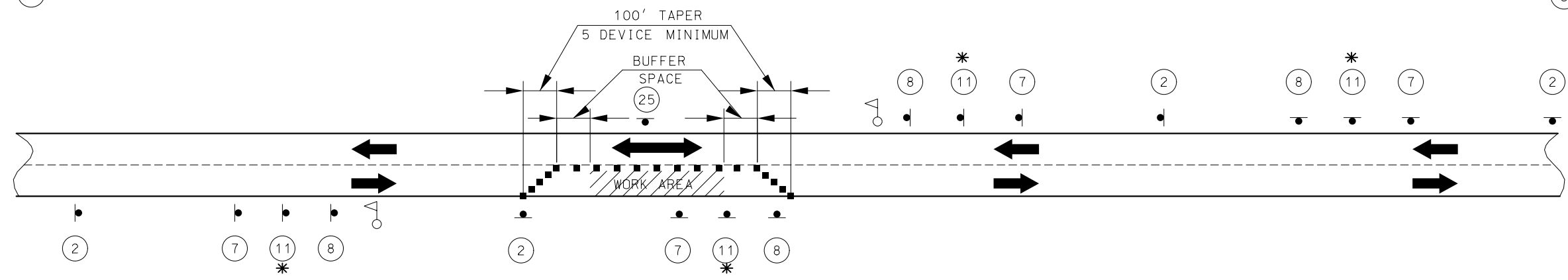
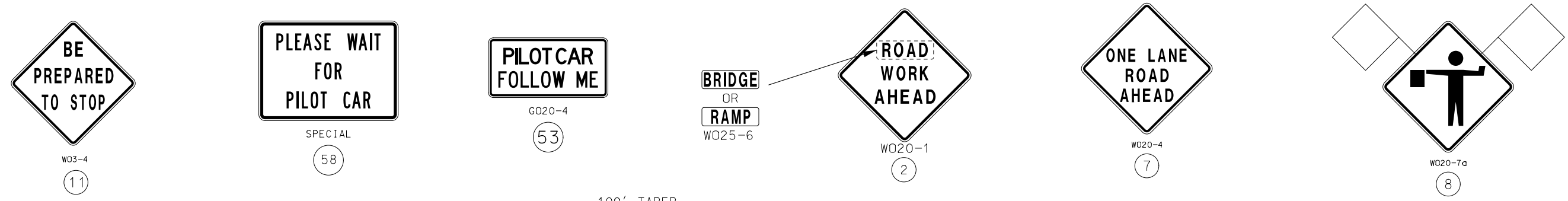
SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10 FOR SIGN DETAILS.



W020-7a
⑧

NOT TO SCALE

SIDE ROADS ENTERING WORK ZONE



SET 1
ACTIVE

SET 2
INACTIVE

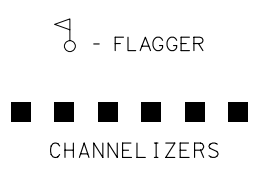
SET 3
ACTIVE

SET 4
INACTIVE

SPEED (P) MPH	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MINIMUM TAPER SHOULDER (T1)	MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT		TAPERS	BUFFER/ WORK AREA
0-35	205 FT	225 FT	245 FT	70	35 FT	40 FT
40-45	450 FT	495 FT	540 FT	150	40 FT	80 FT
50-55	550 FT	605 FT	660 FT	185	50 FT	80 FT
60-70	700 FT	770 FT	840 FT	235	60 FT	120 FT

SPEED (P) MPH	BUFFER SPACE (FEET)
0-35	280
40-45	400
50-55	560
60-70	840

SPEED (P) MPH	MINIMUM SPACING (S)	
	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 **	



* NOTE: THIS SIGN IS INSERTED BETWEEN SIGNS 7 & 8 WITH THE SPACING OF 1/2 THE STANDARD SPACING WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED.

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

** 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.
- SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION
 - SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS

- GENERAL NOTES:
- SEE STANDARD PLAN 616.10, 616.20 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.

- NOTES:
- SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- 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.

FLAGGING CONTROL
RESURFACING
OR MOVING OPERATION
TEMPORARY TRAFFIC CONTROL
SHEET 4 OF 7

DATE PREPARED
12/23/2024

ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 12

COUNTY
LAFAYETTE

JOB NO.
J3P3158

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)

NOT TO SCALE



DATE PREPARED
12/23/2024

ROUTE	STATE
24	MO
DISTRICT	SHEET NO.
KC	13

COUNTY
LAFAYETTE

JOB NO.
J3P3158

CONTRACT ID.

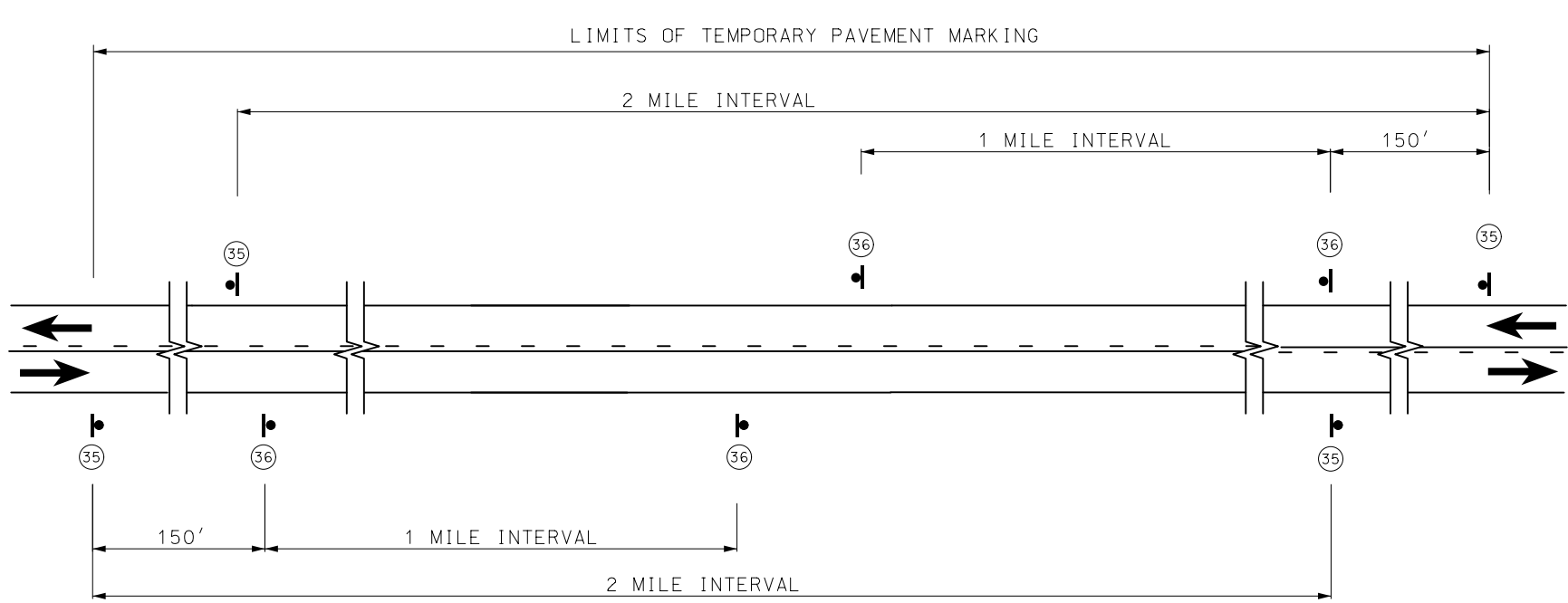
PROJECT NO.

BRIDGE NO.

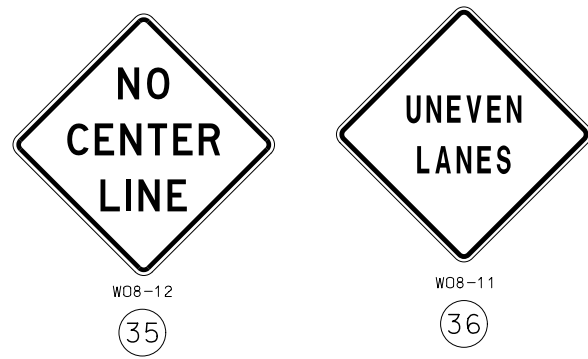
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



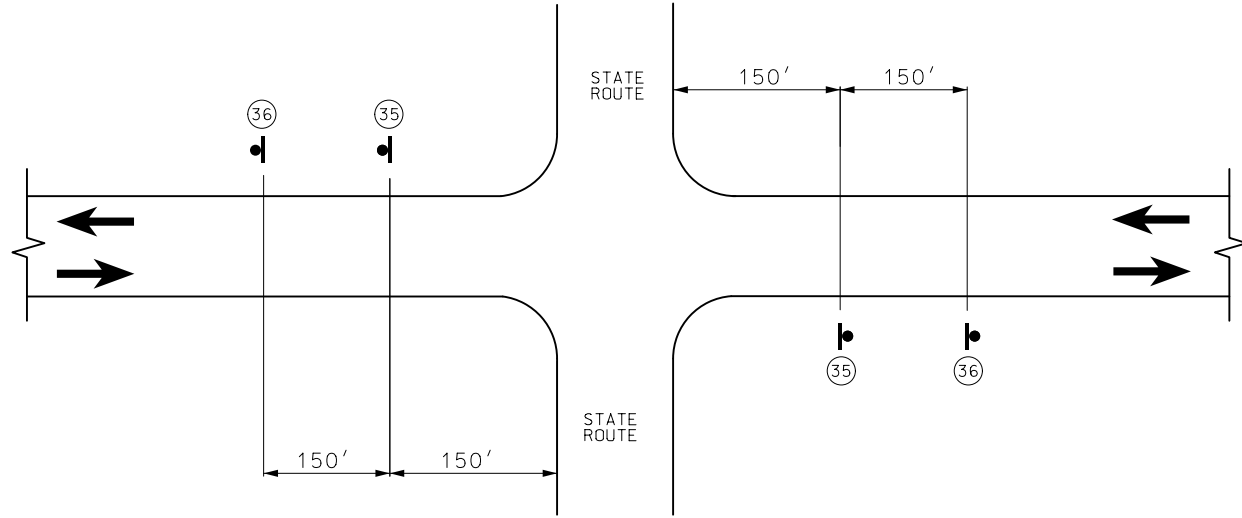
NOTES:

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.

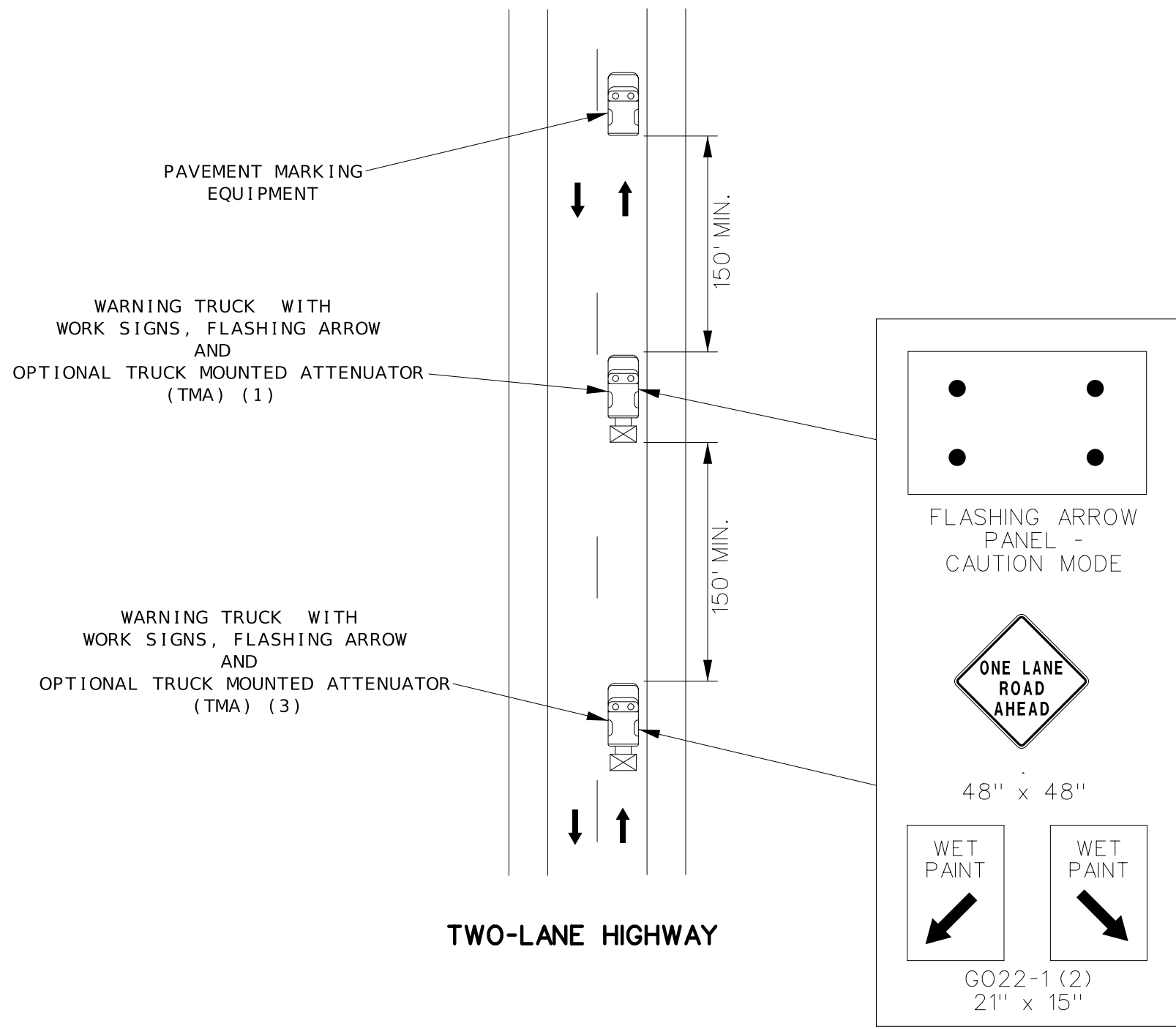
ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

SEE STANDARD PLAN 620.10 FOR ALL TEMPORARY PAVEMENT MARKING.



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE

NOT TO SCALE



**MOVING OPERATION ON HIGHWAY
OPEN TO TRAFFIC**

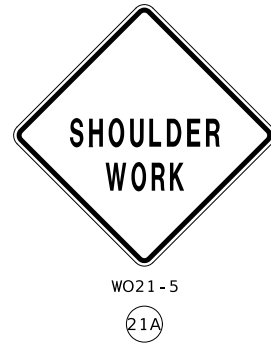
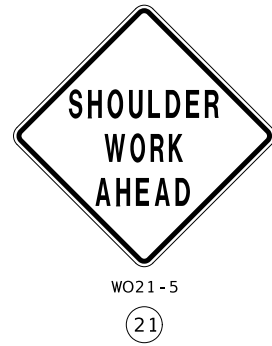
NOTES:

- 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.

NOT TO SCALE

MOVING OPERATION
OPEN TO TRAFFIC TEMPORARY
TRAFFIC CONTROL SHEET
SHEET 6 OF 7

<p>STATE OF MISSOURI JACLYN A. WHITE NUMBER PE-2003001116 PROFESSIONAL ENGINEER</p> <p><i>Jacquelyn A. White</i> 12/24/2024 9:30:33 AM JACLYN A. WHITE - CIVIL MO-PE-2003001116</p>	
DATE PREPARED 12/23/2024	
ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 14
COUNTY LAFAYETTE	
JOB NO. J3P3158	
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>



Jacquelyn A. White
12/24/2024 9:31:47 AM
JACLYN A WHITE - CIVIL
MO-PE-200300116

DATE PREPARED
12/23/2024

ROUTE STATE
24 MO

DISTRICT SHEET NO.
KC 15

COUNTY
LAFAYETTE


JOB NO.
J3P3158

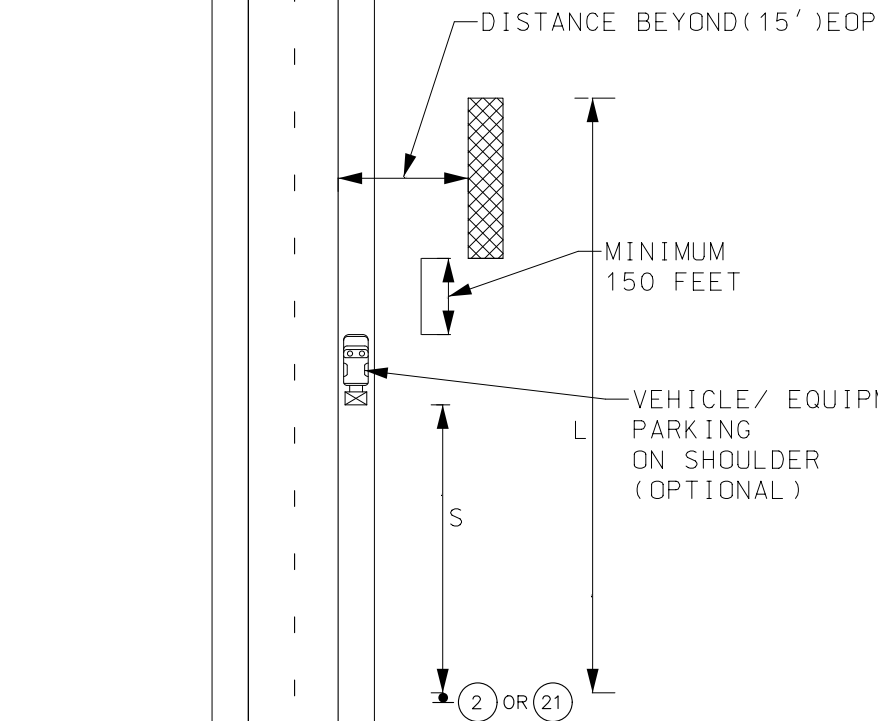
CONTRACT ID.

PROJECT NO.

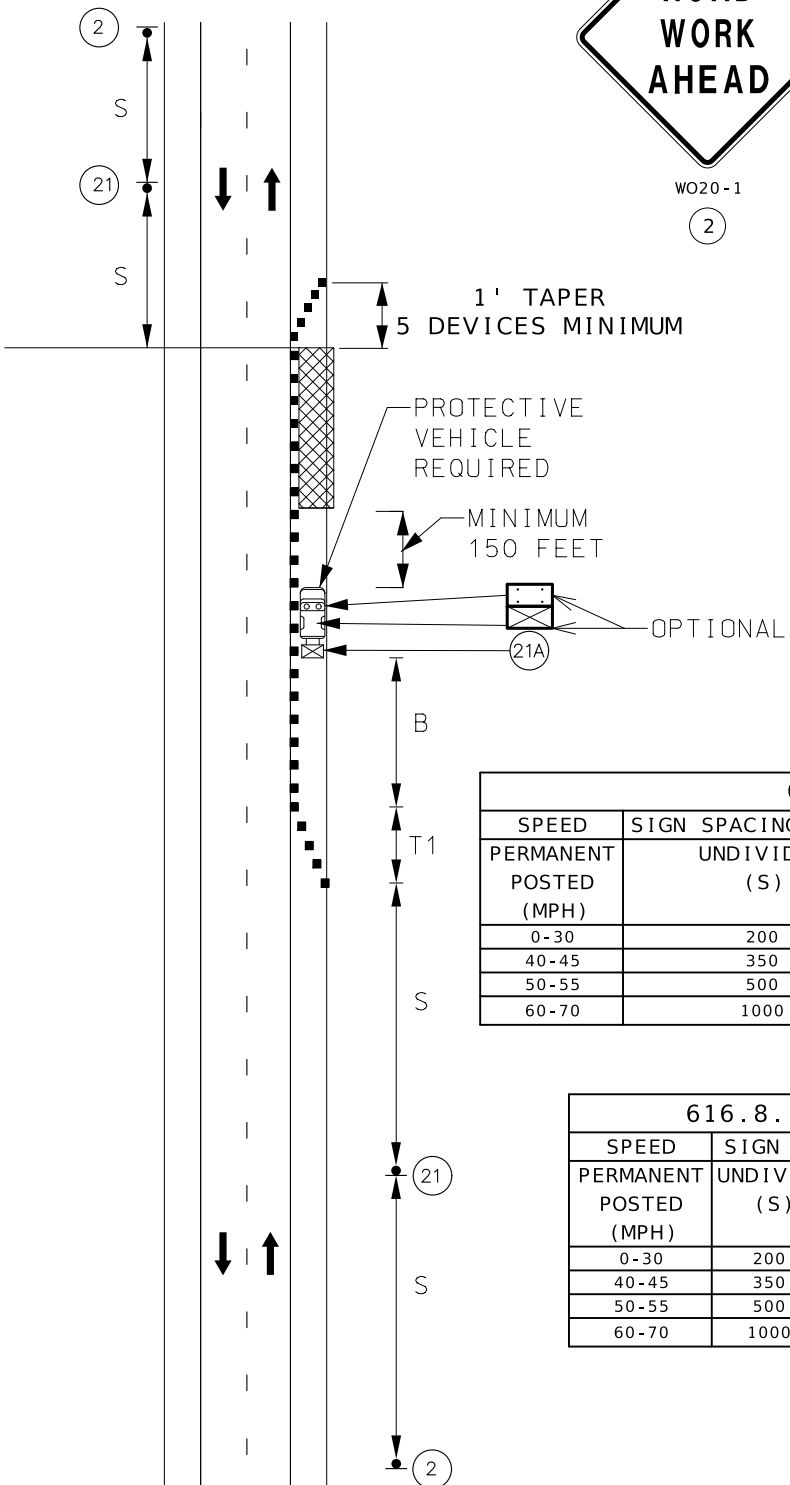
BRIDGE NO.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▨ WORK SPACE
-  PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT (TMA) (OPTIONAL)



STATIONARY WORK BEYOND SHOULDER (TA-1SD)



LONG TERM SHOULDER CLOSURE (TA-5A)

616.8.5A (TA-5A) LONG TERM SHOULDER CLOSURE						
SPEED PERMANENT POSTED (MPH)	SIGN SPACING (FT.) UNDIVIDED (S)	TAPER LENGTH (FT.) SHOULDER (T1)	TAPER LENGTH (FT.) LANE (T2)	RECOMMENDED BUFFER LENGTH (FT.) (B)	CHANNELIZER TAPERS	SPACING (FT.) BUFFER/WORK AREAS
0-30	200	70		250	35	40
40-45	350	150		360	40	80
50-55	500	185		495	50	80
60-70	1000	235		730	60	120

616.8.1SD (TA-1SD) STATIONARY WORK BEYOND THE SHOULDER							
SPEED PERMANENT POSTED (MPH)	SIGN SPACING (FT.) UNDIVIDED (S)	SIGN SPACING (FT.) DIVIDED (S)	TAPER LENGTH (FT.) SHOULDER (T1)	TAPER LENGTH (FT.) LANE (T2)	RECOMMENDED BUFFER LENGTH (FT.) (B)	CHANNELIZER TAPERS	SPACING (FT.) BUFFER/WORK AREAS
0-30	200	200					
40-45	350	500					
50-55	500	1000					
60-70	1000	1000					

TYPE OF ROADWAY POSTED (MPH)	SIGN HEIGHT (MINIMUM)	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 Mi.
RURAL DIVIDED	1' PORTABLE 7' POST	2 Mi.
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 Mi.
VEHICLE	48 INCHES RECOMMENDED	

NOT TO SCALE

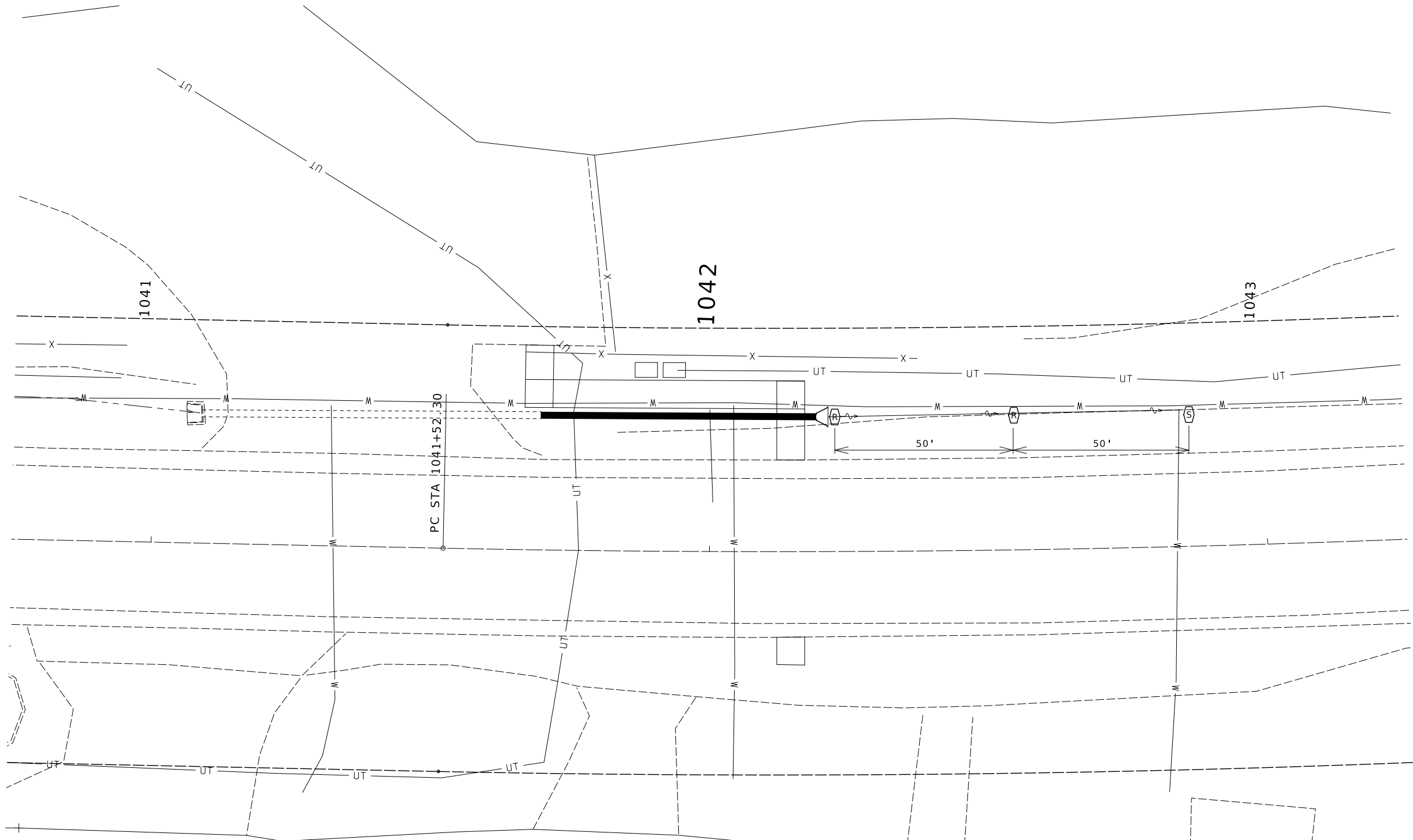
SHOULDER WORK
TRAFFIC CONTROL
SHEET 7 OF 7

DESCRIPTION











DATE

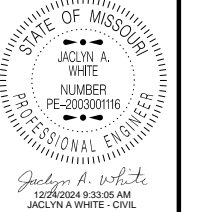
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION





TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  ENERGY DISSIPATOR
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE
-  TEMPORARY SEDIMENT BASIN
-  PERMANENT SEDIMENT BASIN



DATE PREPARED
12/23/2024

ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 16

COUNTY
LAFAYETTE

JOB NO.
J3P3158

CONTRACT ID.

PROJECT NO.

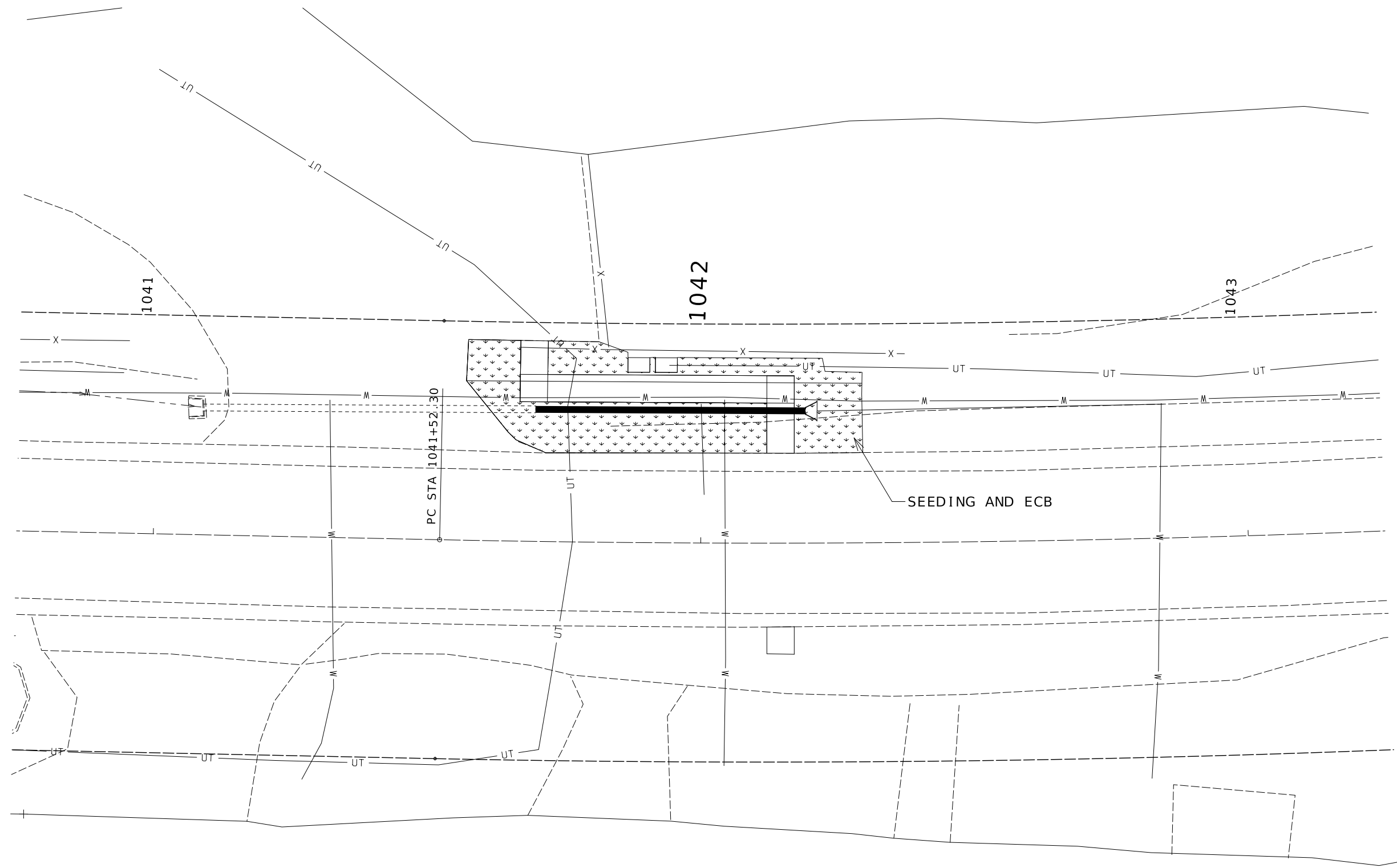
BRIDGE NO.

DATE	DESCRIPTION

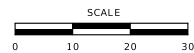
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



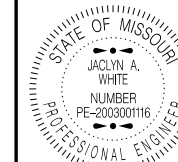
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



NOTE :
 US24, NE QUADRANT OF SANTE FE ELEMENTARY SCHOOL
 SEEDING AND EROSION CONTROL BLANKET
 AT DISTURBED AREA



SEEDING AND MULCHING
 TEMPORARY EROSION CONTROL SHEET
 SHEET 2 OF 2



Jaclyn A. White
 12/24/2024 9:33:49 AM
 JACLYN A WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
 12/23/2024

ROUTE STATE
 24 MO

DISTRICT SHEET NO.
 KC 17

COUNTY
 LAFAYETTE

JOB NO.
 J3P3158

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)



S1-1



W16-7P



S1-1



W16-9P

RELOCATE EX. SIGNS(S1-1 & W16-7P) w/ POST & ASSEMBLIES
FROM STA.1041+80.88/ OFFSET-29.09' LT.
TO STA.1042+19.12/ OFFSET-18.42' LT.

INSTALL NEW SIGNS(S1-1 & W16-9P)w/ PSST
AT STA.1043+19.78/ OFFSET-18.74' LT.

RELOCATE EX. SIGN(W16-7P)
FROM STA.1040+677.84/OFFSET-24.62' RT
TO STA. 1042+10.08/OFFSET-17.37' RT
AND PLACE NEW SIGN(W16-9P)

INSTALL NEW SIGN(S1-1) w/ PSST AND
RELOCATED SIGN(W16-7P) AT
STA. 1042+10.08/OFFSET-17.37' RT

SCALE



SIGN SHEET
SHEET 1 OF 3



Jaclyn A. White
12/24/2024 9:35:40 AM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/23/2024

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 18

COUNTY LAFAYETTE

JOB NO. J3P3158

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

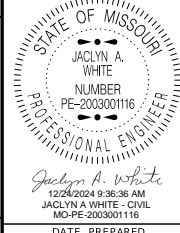
DESCRIPTION	DATE

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



SIGNS						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *					PIPE POSTS *				BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE										REMARKS AND OTHER REQUIRED ITEMS					
902 SIGNAL SIGNS TABULATED ON D-37A SHEET							ITEM NO. 9031010 CY	POST DES. NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL ITEM NO. 9031210 LBS	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	2 IN. POST				2.5 IN. POST						BREAK-AWAY ASSEMBLY							
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	HORZ CLEAR IF NOT STD	LOCATION 19	SIGN DTL. SHT. NO.														2" X 3/8" BARS @ 2.55 LBS PER FT		ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A		DRIVEN 7-GA. ITEM NO. 9031281A		CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241			
3	36"x36"	1043+19.78	STD	US24WB	19														7	7	7	1												2 SIGNS(S1-1 & W16-9P)-1 PSST		
3	24"x12"	1043+19.78	STD	US24WB	19																													2 SIGNS(S1-1 & W16-7P)-1 PSST		
4	36"x36"	1042+10.08	STD	US24EB	19																													OM3-L/R(REFER QU SHEET-5 OF 6)		
4	30"x18"	1042+10.08	STD	US24EB	3																													OM3-L/R(REFER QU SHEET-5 OF 6)		
A	12"x36"	54.287	STD	US24EB&WB	3																													OM3-L/R(REFER QU SHEET-5 OF 6)		
B	12"x36"	54.661	STD	US24EB&WB	3																													OM3-L/R(REFER QU SHEET-5 OF 6)		
C	12"x36"	59.005	STD	US24EB&WB	3																													OM3-L/R(REFER QU SHEET-5 OF 6)		
D	12"x36"	59.345	STD	US24EB&WB	3																													OM3-L/R(REFER QU SHEET-5 OF 6)		
E	12"x36"	64.257	STD	US24EB&WB	3																													OM3-L/R(REFER QU SHEET-5 OF 6)		
F	12"x36"	66.945	STD	US24EB&WB	3																													OM3-L/R(REFER QU SHEET-5 OF 6)		
SUBTOTAL																				86	14															
TOTAL																					86	14														

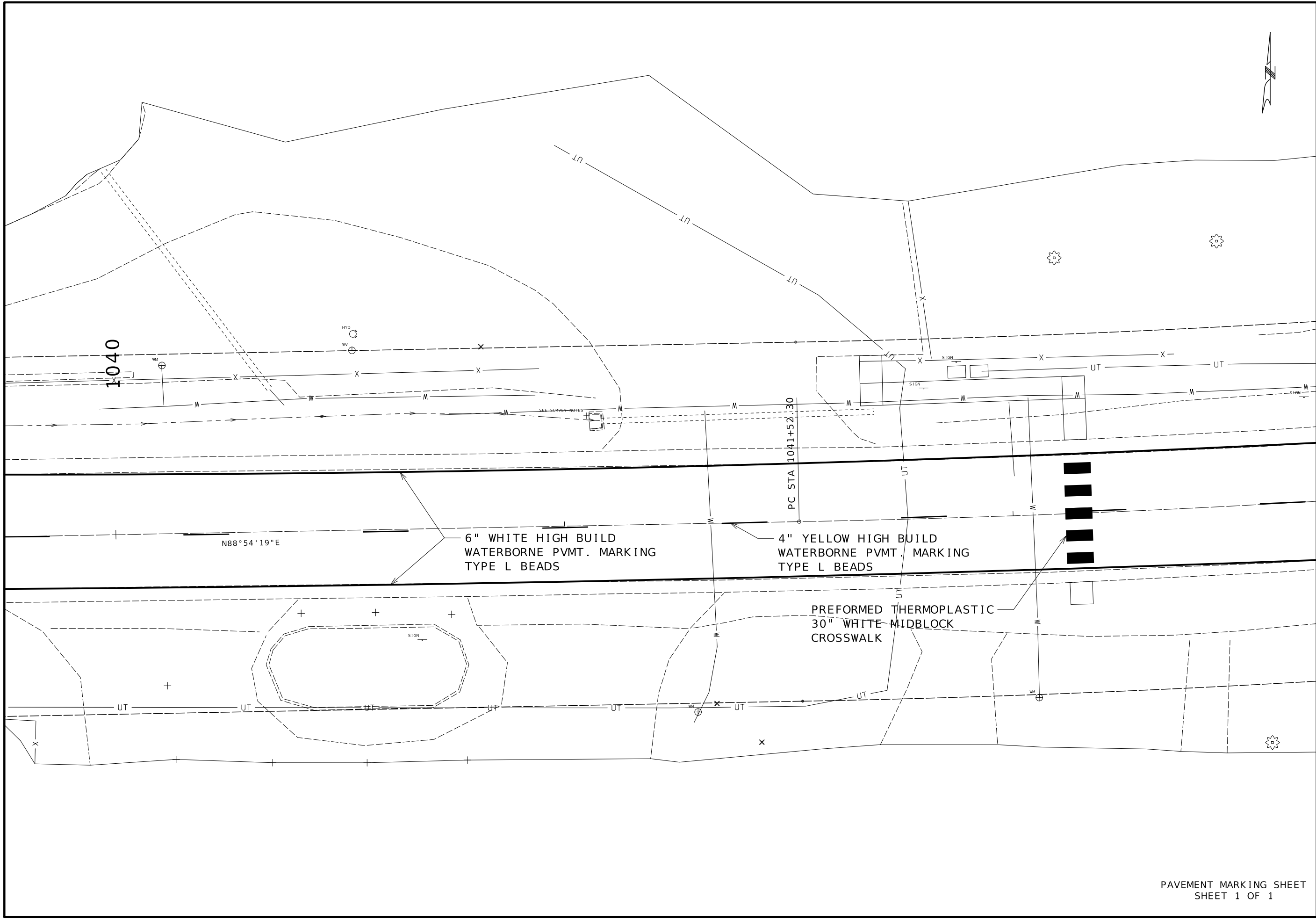
* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
 ** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

NOM. SIZE (IN.)	WEIGHT		STUB LENGTH	FOOTING		CONCRETE C.Y.
	LBS/FT	LBS/IN		DIA.	DEPTH	
2 1/2	5.79	0.48	4' - 3 1/2"	12"	4-6"	0.13
4	10.79	0.90	5' - 3 1/2"	18"	5-6"	0.36

POST DES. NO.	NOM. SIZE	POST WEIGHT		STUB LENGTH	DIA.	FOOTING											
		LBS/FT	LBS/IN			6:1 GRADE				4:1 GRADE				3:1 OR 2:1 GRADE			
						DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.		
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17				
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54				
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78				
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45				
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52				
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65				

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

DATE: _____
 DESCRIPTION: _____



1040

N88°54'19"E

6" WHITE HIGH BUILD
WATERBORNE PVMT. MARKING
TYPE L BEADS

4" YELLOW HIGH BUILD
WATERBORNE PVMT. MARKING
TYPE L BEADS

PREFORMED THERMOPLASTIC
30" WHITE MIDBLOCK
CROSSWALK


PC STA 1041+52.30

STATE OF MISSOURI
JACLYN A. WHITE
NUMBER
PE-2003001116
PROFESSIONAL ENGINEER
Jaclyn A. White
02/05/2025 1:58:19 PM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

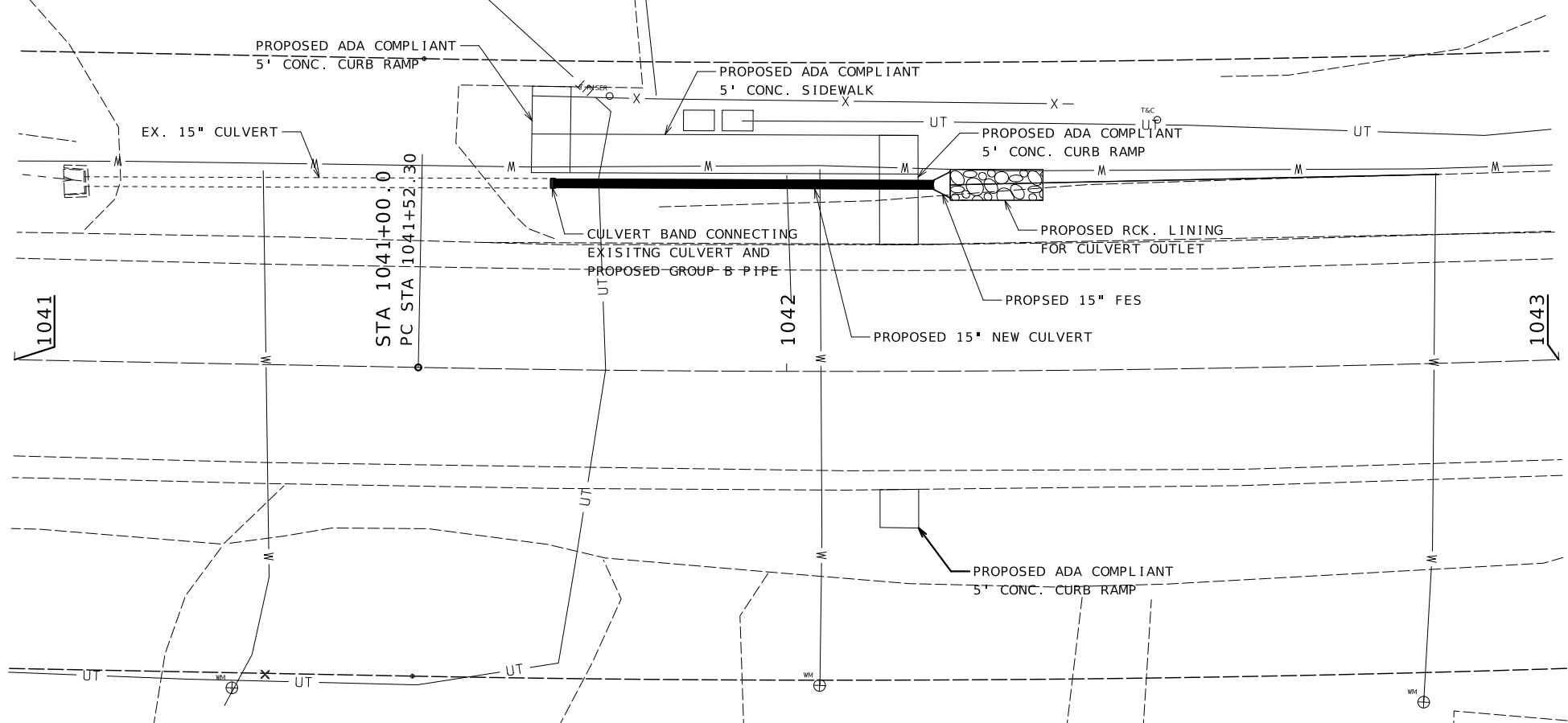
DATE PREPARED 2/3/2025	
ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 21
COUNTY LAFAYETTE	
JOB NO. J3P3158	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

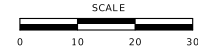
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



CULVERT PLAN

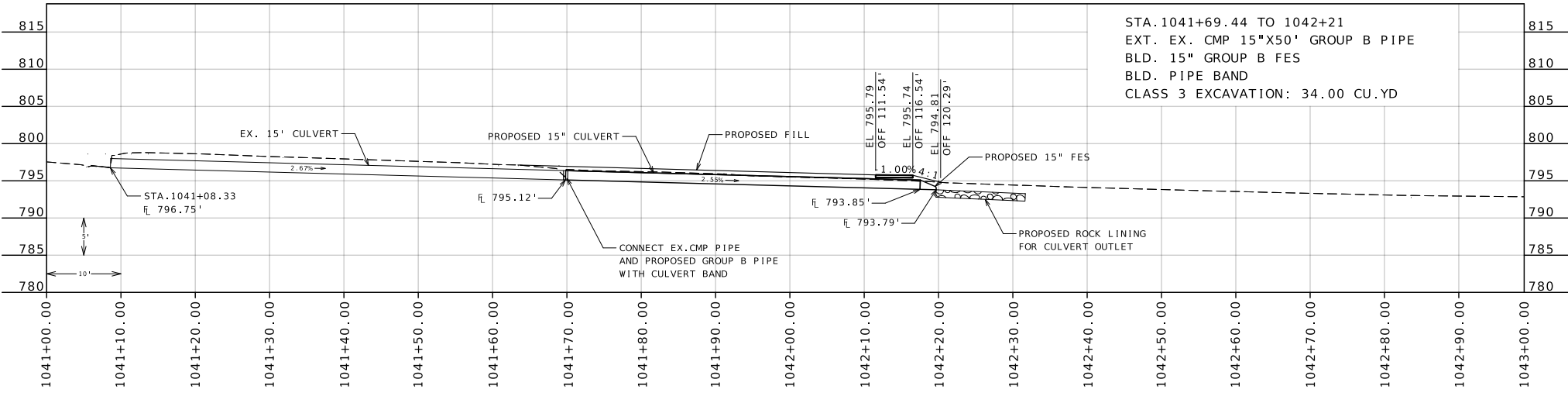


STATE OF MISSOURI
JACLYN A. WHITE
NUMBER
PE-2003001116
PROFESSIONAL ENGINEER

DATE PREPARED
12/23/2024


ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 22
COUNTY LAFAYETTE	
JOB NO. J3P3158	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION



CULVERT CROSS SECTION

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. - 2024 = 3577
 A.A.D.T. - 2034 = 4360
 T = 18%
 V = 60 M.P.H.
 D = 50%

FUNCTIONAL CLASSIFICATION-PRINCIPLE ARTERIAL

NO RIGHT OF WAY AQUISION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 STATE HIGHWAY
 LAFAYETTE COUNTY



KEY MAP
 LOCATION OF LAFAYETTE COUNTY

B. EXCEPTION BR L0610
 EB LOG MI. 43.318-43.361
 WB LOG MI. 177.988-178.031

JOB NO. JKR0249

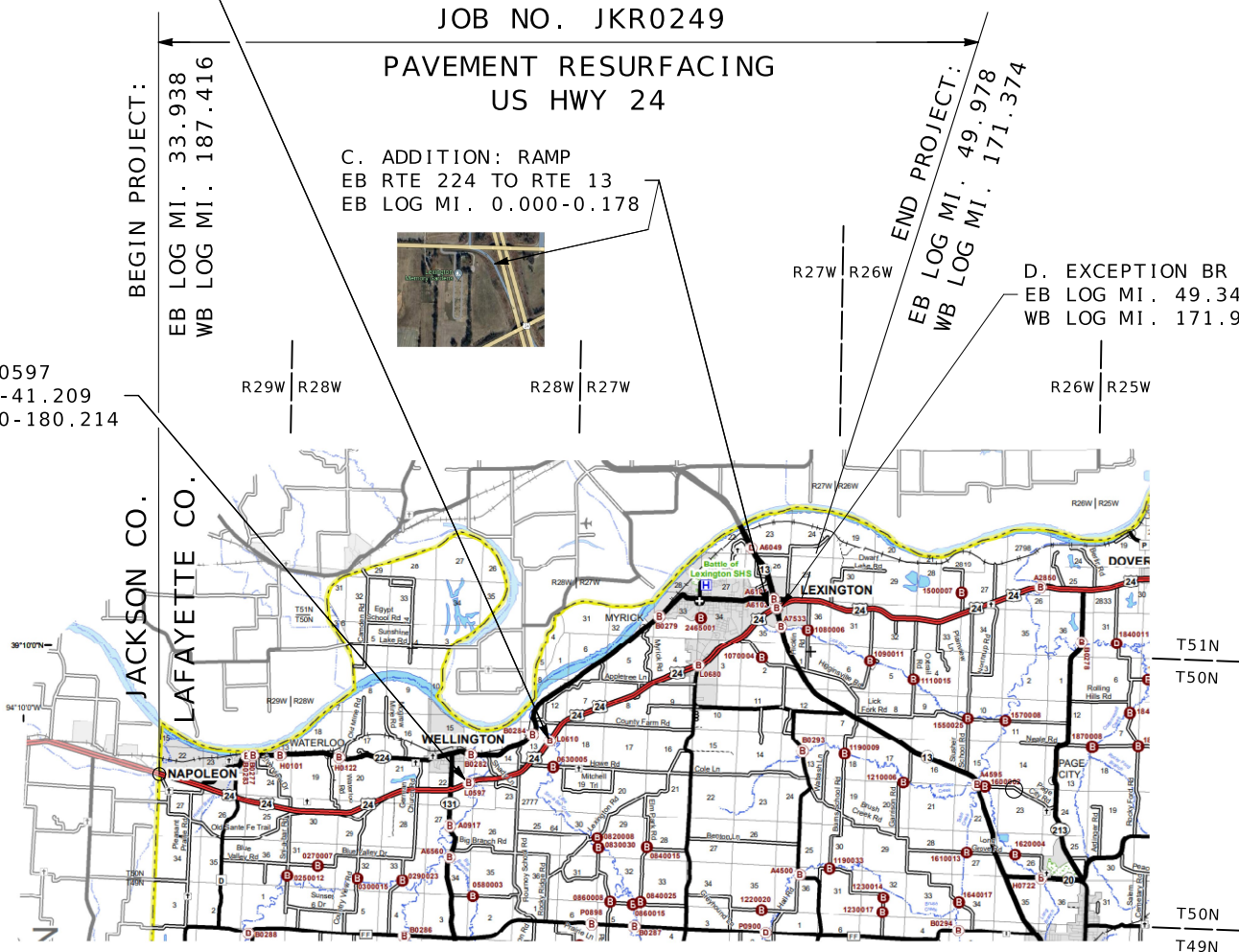
PAVEMENT RESURFACING
 US HWY 24

C. ADDITION: RAMP
 EB RTE 224 TO RTE 13
 EB LOG MI. 0.000-0.178



D. EXCEPTION BR A6102
 EB LOG MI. 49.34-49.404
 WB LOG MI. 171.948-172.012

A. EXCEPTION BR L0597
 EB LOG MI. 41.134-41.209
 WB LOG MI. 180.140-180.214

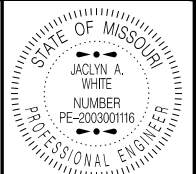


NOT TO SCALE



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEETS)	2
QUANTITIES (QU) (9 SHEETS)	3
PLAN-PROFILE (PP)	XX-XX
RIGHT OF WAY (RW)	XX-XX
REFERENCE POINTS (RP)	XX-XX
COORDINATE POINTS (CP)	XX-XX
SPECIAL SHEETS (SS)	4-7
TRAFFIC CONTROL SHEETS (TC)	8-19
EROSION CONTROL SHEETS (EC)	XX-XX
LIGHTING (LT)	XX-XX
SIGNALS (SG)	XX-XX
SIGNING (SN)	XX-XX
PAVEMENT MARKING (PM)	20
CULVERT SECTIONS (CS)	XX-XX
BRIDGE DRAWINGS (B)	
A####	XX-XX
A####	XX-XX
A####	XX-XX
A####	XX-XX
CROSS SECTIONS (XS)	XX-XX



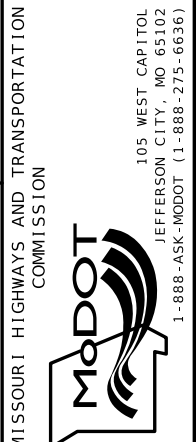
DATE PREPARED: 12/16/2024
 ROUTE: 24
 DISTRICT: KC
 STATE: MO
 COUNTY: LAFAYETTE
 JOB NO.: JKR0249
 CONTRACT ID: [REDACTED]

DESCRIPTION	DATE

LENGTH OF PROJECT

BEGINNING OF PROJECT	EB LOG MI. 33.938	WB LOG MI. 187.416
END OF PROJECT	EB LOG MI. 49.978	WB LOG MI. 171.374
APPARENT LENGTH	EB 84,691.20 FEET	WB 84,701.76 FEET
EQUATIONS AND EXCEPTIONS:		
A. BR L0597 - SNI-A-BAR CREEK		
EB LOG MI. 41.134 - 41.209	-398.00 FEET	
WB LOG MI. 180.140 - 180.215	-398.00 FEET	
B. BR L0610 - LITTLE SNI-A-BAR CREEK		
EB LOG MI. 43.318 - 43.361	-229.00 FEET	
WB LOG MI. 177.988-178.031	-229.00 FEET	
C. RAMP - MO224 TO MO13 S		
EB LOG MI. 0.000 - 0.178	+939.84 FEET	
D. BR A6102 - ROUTE 224		
EB LOG MI. 49.34 - 49.404	-337.92 FEET	
WB LOG MI. 171.948 - 172.012	-337.92 FEET	
TOTAL CORRECTIONS	EB -25.08 FEET	WB -964.92 FEET
NET LENGTH OF PROJECT	EB 84,666.12 FEET	WB 83,736.84 FEET
STATE LENGTH	EB 16.035 MILES	WB 15.859 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		0 ACRES

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.



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



DATE PREPARED
11/22/2024

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 2

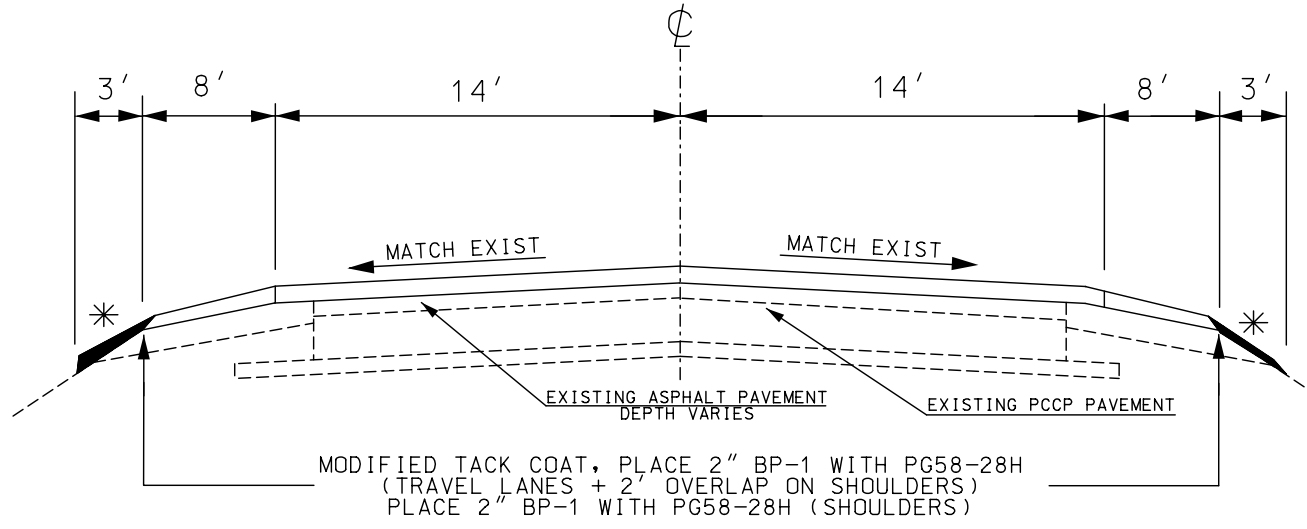
COUNTY LAFAYETTE

JOB NO. JKR0249

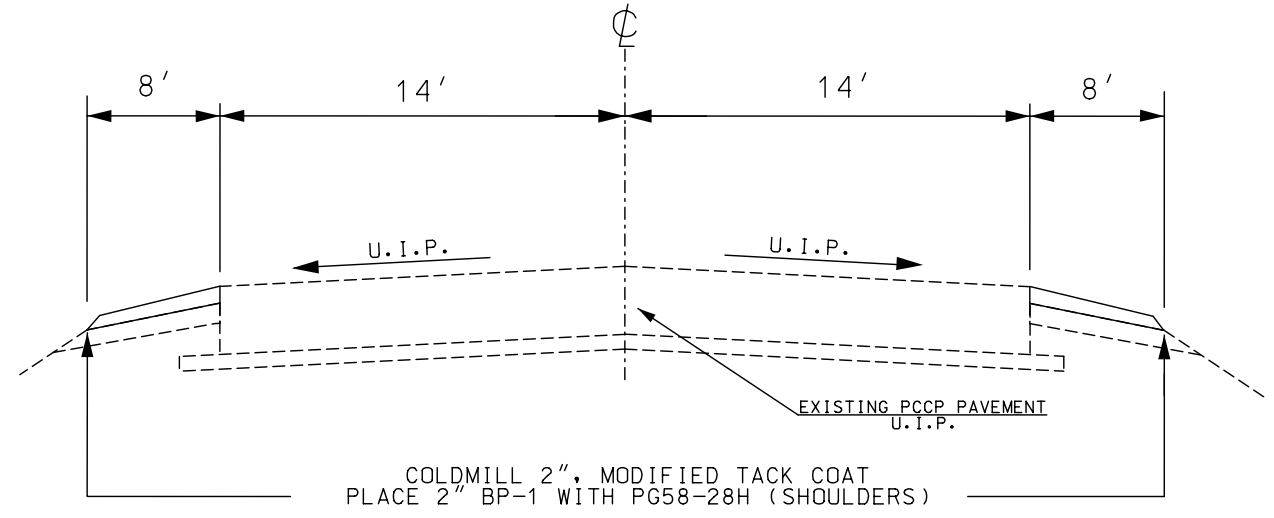
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

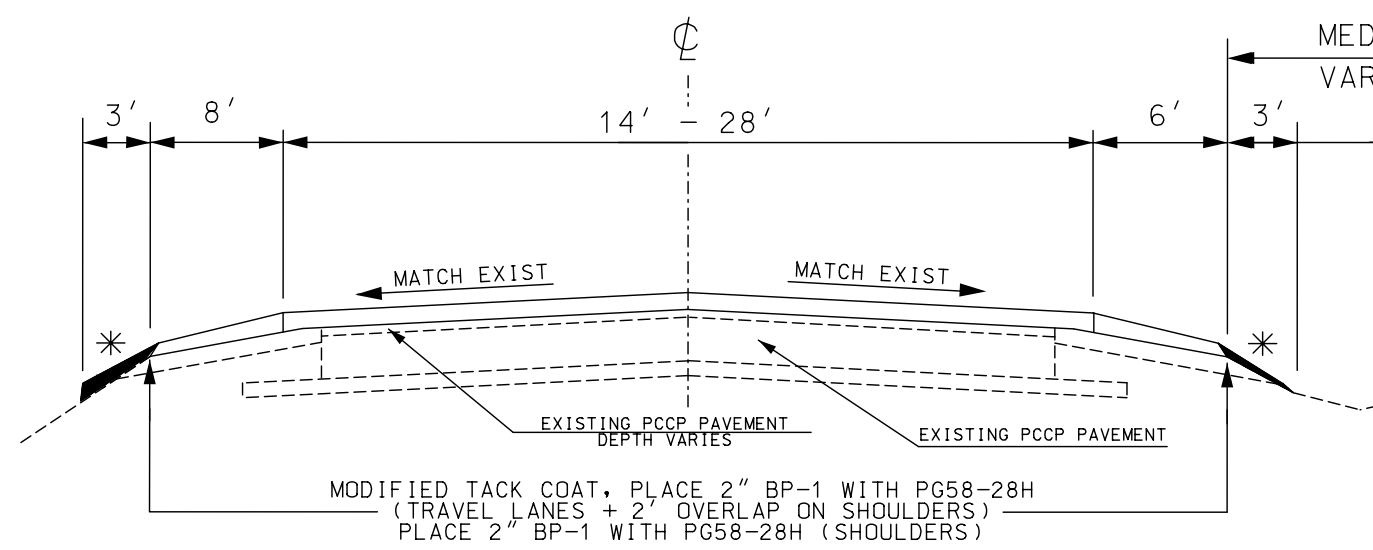


TYPICAL SECTION - RESURFACING
 LOG MILE 33.938 TO LOG MILE 40.598 EB
 LOG MILE 40.879 TO LOG MILE 46.317 EB
 LOG MILE 47.881 TO LOG MILE 48.990 EB



TYPICAL SECTION - RESURFACING
 LOG MILE 49.099 TO LOG MILE 49.978 EB

* PERMANENT AGGREGATE EDGE TREATMENT



TYPICAL SECTION - RESURFACING
 LOG MILE 46.317 TO LOG MILE 47.881 EB

NOTE: (FOR INFORMATION ONLY)
 BITUMINOUS PAVEMENT MIXTURE BASED ON:

BP-1 W/PG58-28H = 1.984 TONS/CY
 MODIFIED TACK COAT = 0.2 GAL/SY
 PERM. AGG. EDGE TREATMENT = 0.058 TONS/SY/INCH COMPACTED

SEE SPECIAL SHEETS FOR COLDMILL LOCATIONS

COLDMILL EB LOG MILES 47.114 - 47.199
 COLDMILL WB LOG MILES 174.155 - 174.240
 SEE SPECIAL SHEET 3

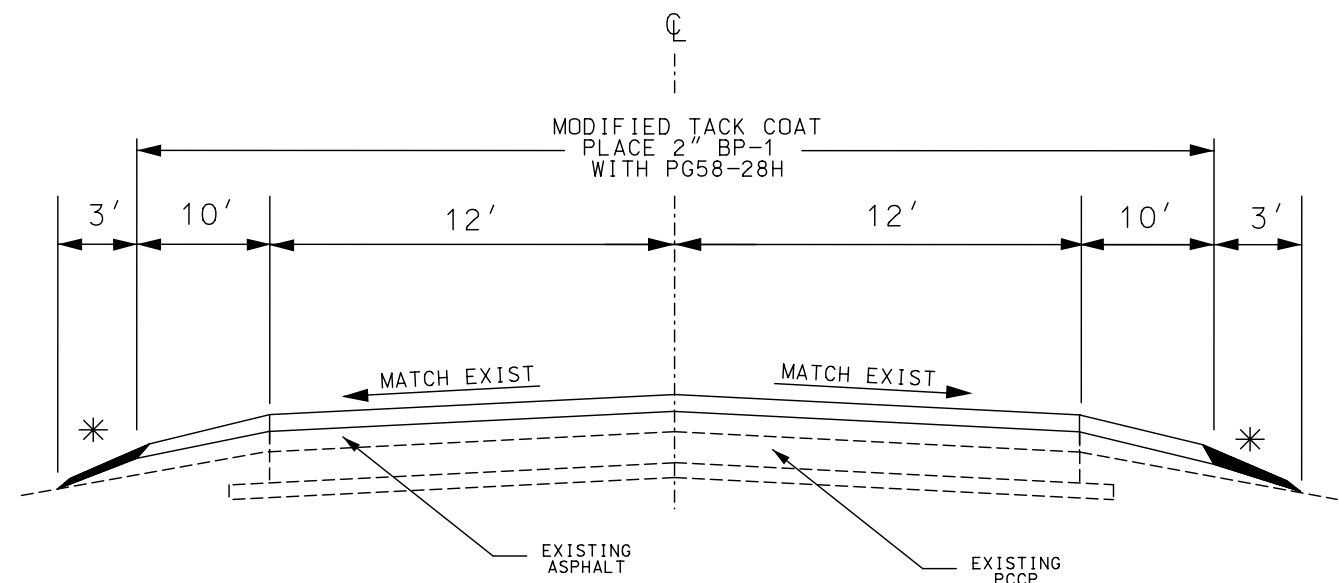
NOT TO SCALE

TYPICAL SECTION
 SHEET 1 OF 2

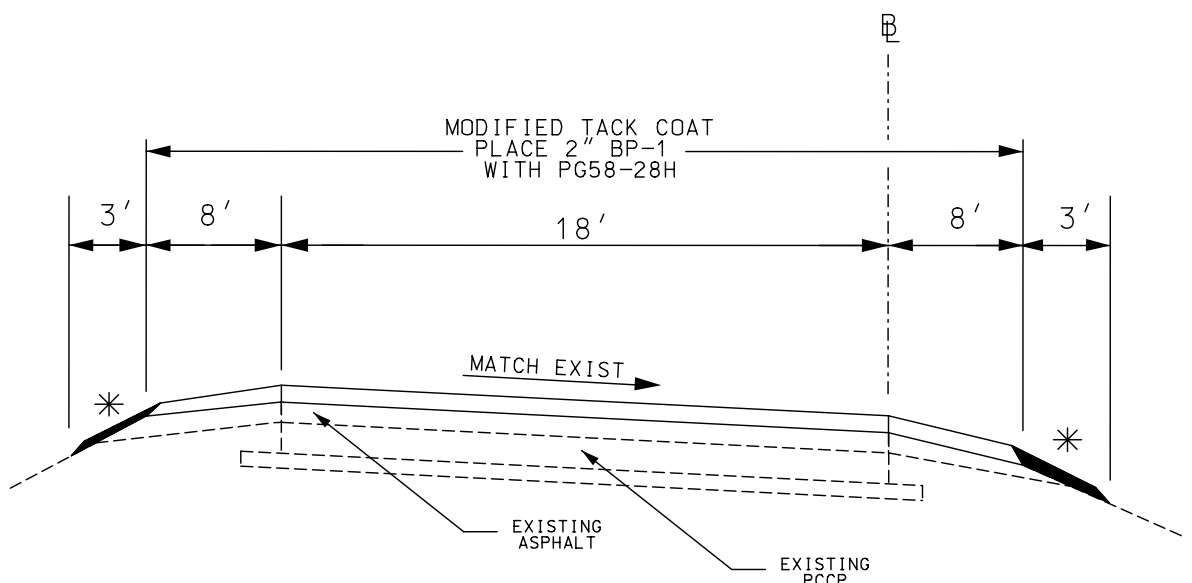
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

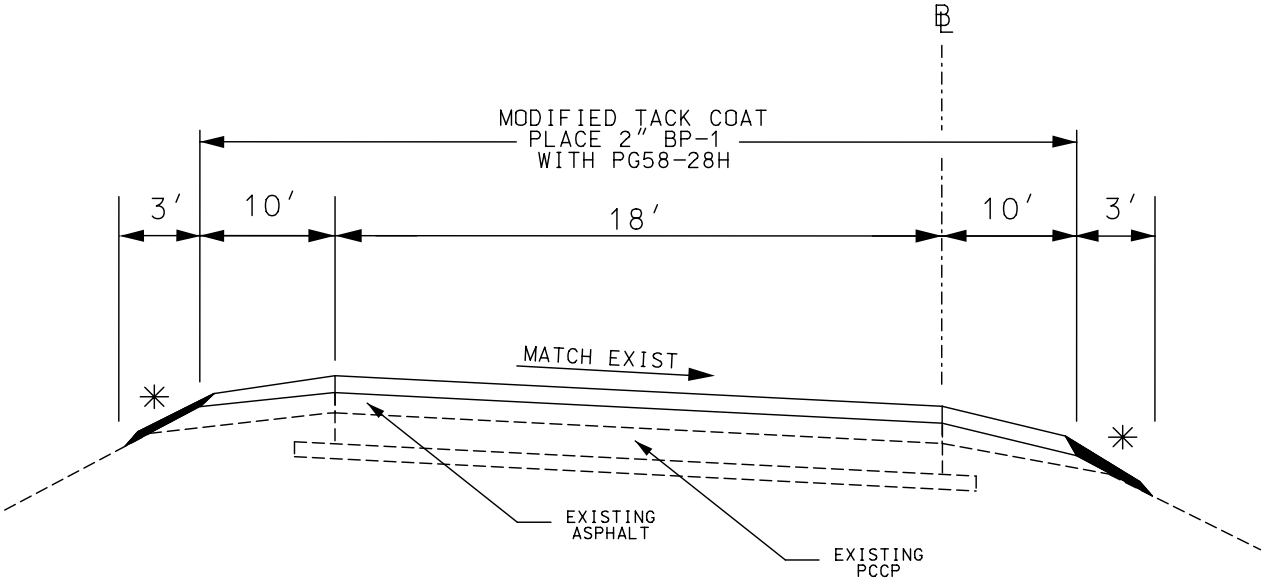
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



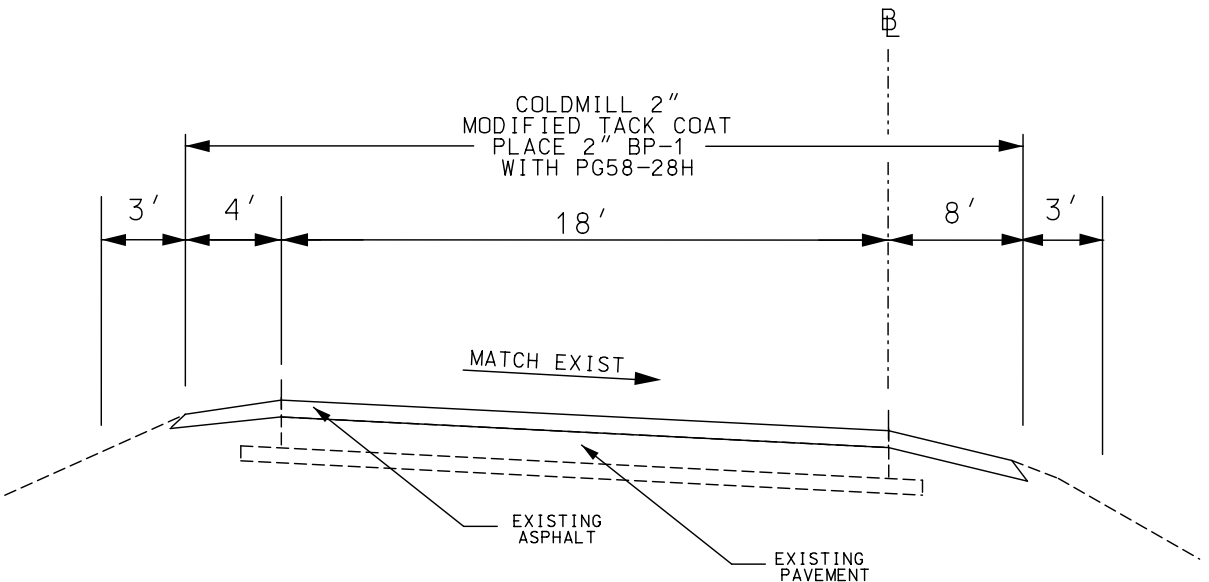
RAMP A ** 0+00 TO 7+56.33
RAMP B*** 0+00 TO 7+56.50
(FROM BUS. 13 TO GORE)



LOOP RAMP
RAMP A ** 7+56.33 TO 12+04.77
RAMP B*** 7+56.50 TO 10+99.38
(FROM GORE TO US 24)



DIRECTIONAL RAMP
RAMP A ** 7+56.33 TO 19+73.04
RAMP B*** 7+56.50 TO 19+79.21
(FROM GORE TO US 24)



DIRECTIONAL RAMP
MO 224 EAST TO ROUTE 13 SOUTH
RAMP LOG MILE 0.000 TO 0.178

* PERMANENT AGGREGATE EDGE TREATMENT

** RAMP A IS IN THE NW QUADRANT OF THE INTERSECTION OF BUS. 13 & US 24

*** RAMP B IS IN THE SE QUADRANT OF THE INTERSECTION OF BUS. 13 & US 24

NOT TO SCALE


TYPICAL SECTION SHEET 2 OF 2



DATE PREPARED 11/22/2024
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 2
COUNTY LAFAYETTE
JOB NO. JKR0249
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)

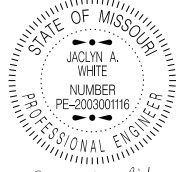




<p>MOBILIZATION</p>
<p>1 LUMP SUM</p>

<p>CONTRACTOR FURNISHED SURVEYING & STAKING</p>
<p>1 LUMP SUM</p>

REMOVAL OF IMPROVEMENTS			
LOCATION	REMOVAL	QUANTITY	REMARKS
185.835 TO 185.955	GUARDRAIL	637.50 L.F.	ROUTE 24 WB
184.975 TO 185.095	GUARDRAIL	637.50 L.F.	ROUTE 24 WB
184.775 TO 184.855	GUARDRAIL	425 L.F.	ROUTE 24 WB
36.500 TO 36.595	GUARDRAIL	500 L.F.	ROUTE 24 EB
36.755 TO 36.815	GUARDRAIL	325 L.F.	ROUTE 24 EB
183.178 TO 183.260	GUARDRAIL	450 L.F.	ROUTE 24 WB
181.840 TO 181.999	GUARDRAIL	887.50 L.F.	ROUTE 24 WB
41.126 TO 41.160	GUARDRAIL	180 L.F.	ROUTE 24 EB
180.189 TO 180.230	GUARDRAIL	215 L.F.	ROUTE 24 WB
41.240 TO 41.320	GUARDRAIL	425 L.F.	ROUTE 24 EB
180.050 TO 180.108	GUARDRAIL	305 L.F.	ROUTE 24 WB
43.280 TO 43.320	GUARDRAIL	250 L.F.	ROUTE 24 EB
178.025 TO 178.065	GUARDRAIL	250 L.F.	ROUTE 24 WB
43.360 TO 43.440	GUARDRAIL	425 L.F.	ROUTE 24 EB
177.985 TO 177.905	GUARDRAIL	425 L.F.	ROUTE 24 EB
177.302 TO 177.382	END TERMINAL	50 L.F.	ROUTE 24 WB
47.137 TO 47.179	GUARDRAIL	362.50 L.F.	MEDIAN GR BOTH DIRECTIONS
46.799 TO 46.879	GUARDRAIL	425 L.F.	ROUTE 24 EB
0.038 TO 0.123	GUARDRAIL	450 L.F.	RAMP FROM 224 TO SB 13
PAY TOTAL		1 LUMP SUM	



DATE PREPARED 12/23/2024	
ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY LAFAYETTE	
JOB NO. JKR0249	
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)

ENTRANCES, SIDE STREETS, CROSS OVERS & RAMP										
LOCATION LOG (MILE)	LT/RT OR CTR	LENGTH (FT)	WIDTH ** (FT)	S.Y.	BP-1 WITH PG58-28H (TONS)	MODIFIED TACK (GALLONS)	MODIFIED COLDMILL (SY)	BITUMINOUS COLDMILL < 3 IN. (SY)	PERM. AGG. EDGE TREATMENT TONS	REMARKS
33.937	RT	20	24	53.3					9.3	OLD SANTA FE TRAIL
33.937	LT	20	24	53.3					9.3	W KATIE TRAIL
34.972	LT	30	50	166.7	18.4	33.3	56		3.5	RTE 224
34.972	RT	30	30	100.0					17.4	ANDERSON RD
35.769	LT	30	60	200.0	22.0	40.0	67		3.5	ROUTE D
35.769	RT	30	50	166.7	18.4	33.3	56		3.5	ROUTE D
37.006	LT	15	30	50					8.7	RIVERVIEW DR (AGGREGATE)
37.006	RT	15	30	50					8.7	RIVERVIEW DR (AGGREGATE)
37.737	LT	10	20	22.2					3.9	XOVER TO SANTA FE TRAIL
37.737	RT	10	40	44.4					7.7	XOVER TO SANTA FE TRAIL
38.03	RT	10	40	44.4					7.7	XOVER TO SANTA FE TRAIL
38.099	LT	10	35	38.9					6.8	WATERLOO RD
38.099	RT	10	35	38.9					6.8	WATERLOO RD
38.778	RT	10	20	22.2					3.9	PRIVATE ENTRANCE
39.179	RT	10	40	44.4					7.7	XOVER TO SANTA FE TRAIL
39.638	RT	10	24	26.7					4.6	XOVER TO SANTA FE TRAIL
39.978	LT	10	50	55.6					9.7	GERMAN CHURCH RD
39.978	RT	10	50	55.6					9.7	GERMAN CHURCH RD
41.306	LT	10	25	27.8					4.8	FIELD ENTRANCE
41.812	LT	30	40	133.3					23.2	SHADY LANE
41.812	RT	30	40	133.3					23.2	SHADY LANE
42.33	LT	30	45	150.0					26.1	FLOURNOY SCHOOL RD
42.33	RT	30	45	150.0					26.1	FLOURNOY SCHOOL RD
42.608	LT	40	50	222.2					38.7	HOWE ROAD
42.608	RT	40	50	222.2					38.7	HOWE ROAD
43.822	LT	30	50	166.7					29.0	COUNTY FARM ROAD
43.822	RT	30	50	166.7					29.0	COUNTY FARM ROAD
44.056	RT	15	20	33.3					5.8	ENTRANCE
44.155	LT	10	35	38.9					6.8	ENTRANCE
44.332	LT	10	20	22.2					3.9	ENTRANCE
44.332	RT	10	20	22.2					3.9	ENTRANCE
44.737	RT	5	60	33.3			33		5.8	CONCRETE ENT. MOD MILL SHOULDER
45.069	LT	10	24	26.7					4.6	ENTRANCE
45.125	RT	10	24	26.7					4.6	ENTRANCE
45.679	LT	10	40	44.4					7.7	SMITH LANE
45.679	RT	10	40	44.4					7.7	SMITH LANE
46.081	LT	20	45	100.0					17.4	MYRICK ROAD
46.081	RT	20	45	100.0					17.4	MARSHALL SCHOOL ROAD
46.451	CTR	24	50	133.3	14.7	26.7			2.8	CROSSOVER
46.451	RT	20	50	111.1	12.2	22.2	56		2.3	ENTRANCE TO JAMZ TRUCKING
		756.33	44	3697.6	407.6	739.5			87.7	RAMP A AT 13TH ST
		756.50	44	3698.4	407.7	739.7			87.8	RAMP B AT 13TH ST
		448.44	34	1694.1	186.7	338.8			52.0	RAMP A LOOP RAMP 13TH ST
		342.88	34	1295.3	142.8	259.1			39.8	RAMP B LOOP RAMP 13TH ST
		1216.71	38	5137.2	566.2	1027.4			141.1	RAMP A DIRECTIONAL RAMP 13TH ST
		1222.71	38	5162.6	569.0	1032.5			141.8	RAMP B DIRECTIONAL RAMP 13TH ST
		934.56	30	3115.2	343.4	623.0		935		RAMP: MO224 E TO RTE 13 S
48.298	LT	25	50	138.9	15.3	27.8	56		2.9	24TH ST
48.298	RT	25	50	138.9	15.3	27.8	56		2.9	HIGGINSVILLE ROAD
48.740	LT	15.00	30	50.0					8.7	ENTRANCE
49.061	RT	25.00	50	138.9					24.2	ROCKY FORD ROAD
		340.00	8	302.2	33.3	60.4		302		RAMP 3: NB 13 TO US24
		155.00	8	137.8	15.2	27.6		138		RAMP 1: LOOP FROM US24 TO NB 13
		480.00	8	426.7	47.0	85.3		427		RAMP 4: US24 SB 13
		175.00	8	155.6	17.1	31.1		156		RAMP 2: LOOP FROM US24 TO NB 13
				SUB TOTALS	2852	5176	380	1958	1051	

** MEASURED PARALLEL TO US 24



Jaclyn A. White
01/08/2025 9:41:46 AM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
1/7/2025
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY LAFAYETTE

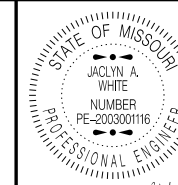
JOB NO.
JKR0249
CONTRACT ID.

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 PREPARED
12/16/2024

ROUTE STATE
24 MO

DISTRICT SHEET NO.
KC 3

COUNTY
LAFAYETTE

JOB NO.
JKR0249

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)

MAINLINE PAVEMENT												
BEGIN LOG	END LOG	LENGTH	EB LANE WIDTH	WB LANE WIDTH	AVG. COMB. INSIDE SHOULDER WIDTH	AVG. COMB. OUTSIDE SHOULDER WIDTH	BP-1 WITH PG58-28H	MODIFIED TACK	MODIFIED COLDMILL	BITUMINOUS COLDMILL < 3 IN.	PERM. AGG. EDGE TREATMENT	REMARKS
(MILE)	(MILE)	(FT)	(FT)	(FT)	(FT)	(FT)	(TONS)	(GALLONS)	(SY)	(SY)	TONS	
33.937	34.019	433	14	14		16	233.3	423	489		50.2	BEG. JOB LAFAYETTE - COUNTY LINE
34.019	34.167	781	14	14	13	16	545.2	989			90.6	TURN LANE AT OLD SANTA FE TRAIL
34.167	34.457	1531	14	14		16	825.0	1497			177.6	
34.457	34.462	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
34.462	34.618	824	14	14		16	444.0	806		4028.4	95.6	COLDMILL 0.5"
34.618	34.623	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
34.623	35.379	3992	14	14		16	2151.1	3903			463.1	
35.379	35.384	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
35.384	35.538	813	14	14		16	438.1	795		3974.7	94.3	COLDMILL 0.5"
35.538	35.543	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
35.543	36.237	3664	14	14		16	1974.4	3583			425.0	
36.237	36.242	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
36.242	36.377	713	14	14		16	384.2	697		3485.8	82.7	COLDMILL 0.5"
36.377	36.382	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
36.382	38.378	10539	14	14		16	5679.1	10305			1222.5	
38.378	38.383	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
38.383	38.497	602	14	14		16	324.4	589		2943.1	69.8	COLDMILL 0.5"
38.497	38.502	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 0.5"
38.502	40.520	10655	14	14		16	5741.6	10418			1236.0	
40.520	40.539	100	14	14		16	53.9	98	489		11.6	MOD. COLDMILL AT RTE 131
40.539	40.599	317	14	14		16	136.1	247		1234.4	36.8	ROUNDAABOUT PAVING EXCEPTION
40.877	40.920	227	14	14		0	77.8	141		706.2	26.3	
40.920	40.928	42	14	14		10	19.5	35		177.3	4.9	
40.928	40.947	100	14	14		16	53.9	98	489		11.6	MOD. COLDMILL AT RTE 131
40.947	41.058	586	14	14		16	315.8	573			68.0	
41.058	41.063	26	14	14		16	14.0	25	127		3.0	COLDMILL 0" - 1/2"
41.063	41.122	312	14	14		16	168.1	305		1525.3	36.2	COLDMILL 1/2"
41.122	41.127	26	14	14		16	14.0	25	127		3.0	COLDMILL 1/2" - 1" (TO BRIDGE L0597)
41.216	41.221	26	14	14		16	14.0	25	127		3.0	COLDMILL 1" - 1/2" (FROM BRIDGE L0597)
41.221	41.334	597	14	14		16	321.7	584		2918.7	69.3	COLDMILL 1/2"
41.334	41.339	26	14	14		16	14.0	25	127		3.0	COLDMILL 1/2" - 0"
41.339	43.299	10349	14	14		16	5576.7	10119			1200.5	
43.299	43.318	100	14	14		16	53.9	98	489		11.6	WEST END OF BRIDGE L0610
43.361	43.380	100	14	14		16	53.9	98	489		11.6	EAST END OF BRIDGE L0610
43.380	46.318	15513	14	14		16	8359.4	15168			1799.5	
46.318	46.420	539	14	14	13	16	376.3	683			62.5	BEGIN WIDENING FOR 4 LANE SECTION
46.420	47.114	3664	28	28	16	16	3948.8	7165			850.0	
47.114	47.133	100	28	28	16	16	107.8	196			23.2	AT BRIDGE L0680 - SEE SPECIAL SHEET
47.133	47.180	248	28	28	16	16	267.3	485		2424.9		AT BRIDGE L0680 - SEE SPECIAL SHEET
47.180	47.199	100	28	28	16	16	107.8	196			23.2	AT BRIDGE L0680 - SEE SPECIAL SHEET
47.199	47.881	3601	28	28	13	16	3748.6	6802			417.7	TAPER BACK TO 2 LANES
47.881	48.980	5803	14	14		16	3127.0	5674	489		673.1	
48.980	49.240	1373				16	269.0	488		2440.9	159.3	ASPHALT SHOULDERS ONLY
49.279	49.325	243				16	47.6	86		432.0	28.2	
49.412	49.978	2988				16	585.5	1062		5312.0	346.6	
SUB TOTALS							46684.8	84706	4458	31603.7	9915.1	
SUB TOTALS *							2852	5176	380	1958	1051	
SUB TOTALS **								476				
PAY TOTALS							49537	90360	4838	33562	10966	

* SUBTOTALS FROM ENTRANCES, SIDE STREETS, CROSSOVERS & RAMPS
 ** SUBTOTALS FROM PARTIAL DEPTH PAVEMENT REPAIRS

FULL DEPTH PAVEMENT REPAIR									
Repair No.	Log mile	Length	Width	FURNISH &	SUBGRADE	TYPE 1 OR 5	DOWEL	SAW CUT	REMARKS
				PLACE	COMPACTION	AGGREGATE	BARS	L.F.	
S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	EACH	L.F.	
1	172.654	8	24	21.3	2.1	2.1	20	80	
2	172.867	8	24	21.3	2.1	2.1	20	80	
3	172.75	6	24	16.0	1.6	1.6	20	54	
4	173.248	6	24	16.0	1.6	1.6	20	54	
5	173.279	8	24	21.3	2.1	2.1	20	80	
6	173.429	6	24	16.0	1.6	1.6	20	54	
7	174.116	6	24	16.0	1.6	1.6	20	54	4 LN WB
8	174.41	6	12	8.0	0.8	0.8	20	30	4 LN WB PASSING LN
9	174.418	6	24	16.0	1.6	1.6	20	54	4 LN WB
10	174.504	6	24	16.0	1.6	1.6	20	54	4 LN WB
11	174.847	8	12	10.7	1.1	1.1	20	44	4 LN WB @ 2 LN JUNCTION
12	175.875	6	24	16.0	1.6	1.6	20	54	
13	175.894	6	24	16.0	1.6	1.6	20	54	
14	175.911	6	24	16.0	1.6	1.6	20	54	
15	176.085	6	24	16.0	1.6	1.6	20	54	
16	176.537	6	12	8.0	0.8	0.8	20	30	4 LN WB
17	176.556	6	12	8.0	0.8	0.8	20	30	4 LN WB
18	176.622	6	24	16.0	1.6	1.6	20	54	
19	177.106	6	24	16.0	1.6	1.6	20	54	
20	177.199	6	24	16.0	1.6	1.6	20	54	
21	177.207	6	24	16.0	1.6	1.6	20	54	
22	177.331	6	12	8.0	0.8	0.8	20	30	WB LN
23	177.678	6	24	16.0	1.6	1.6	20	54	
24	177.697	6	24	16.0	1.6	1.6	20	54	
25	177.893	6	24	16.0	1.6	1.6	20	54	
26	177.951	6	24	16.0	1.6	1.6	20	54	
27	177.963	6	24	16.0	1.6	1.6	20	54	
28	178.715	6	24	16.0	1.6	1.6	20	54	
29	179.131	15	24	40.0	4.0	4.0	20	111	
30	179.699	6	24	16.0	1.6	1.6	20	54	
31	179.721	6	24	16.0	1.6	1.6	20	54	
32	180.211	6	24	16.0	1.6	1.6	20	54	
33	180.326	6	24	16.0	1.6	1.6	20	54	
34	180.417	6	24	16.0	1.6	1.6	20	54	
35	180.788	6	24	16.0	1.6	1.6	20	54	
36	180.901	6	24	16.0	1.6	1.6	20	54	
37	180.958	6	24	16.0	1.6	1.6	20	54	
38	180.986	6	24	16.0	1.6	1.6	20	54	
39	181.062	6	24	16.0	1.6	1.6	20	54	
40	181.095	6	24	16.0	1.6	1.6	20	54	
41	181.119	8	24	21.3	2.1	2.1	20	80	
42	181.135	6	24	16.0	1.6	1.6	20	54	
43	181.211	6	24	16.0	1.6	1.6	20	54	
44	181.247	6	24	16.0	1.6	1.6	20	54	
45	181.267	6	24	16.0	1.6	1.6	20	54	
46	181.422	6	24	16.0	1.6	1.6	20	54	
47	181.822	6	24	16.0	1.6	1.6	20	54	
48	181.849	6	24	16.0	1.6	1.6	20	54	
49	181.86	6	24	16.0	1.6	1.6	20	54	
50	182.072	6	24	16.0	1.6	1.6	20	54	
51	182.217	6	24	16.0	1.6	1.6	20	54	
52	182.303	6	24	16.0	1.6	1.6	20	54	
53	182.408	6	24	16.0	1.6	1.6	20	54	
54	182.45	6	24	16.0	1.6	1.6	20	54	
55	182.482	6	24	16.0	1.6	1.6	20	54	
56	182.563	6	24	16.0	1.6	1.6	20	54	
57	182.613	6	24	16.0	1.6	1.6	20	54	
58	182.703	8	24	21.3	2.1	2.1	20	80	
59	182.858	6	24	16.0	1.6	1.6	20	54	
60	182.873	6	24	16.0	1.6	1.6	20	54	
SUBTOTAL (1-60)				973.2	97.2	97.2	1200	3321	



12/24/2024 7:54:43 AM
 JACLYN A WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
12/16/2024
 ROUTE **24** STATE **MO**
 DISTRICT **KC** SHEET NO. **3**

COUNTY
LAFAYETTE
 JOB NO.
JKR0249
 CONTRACT ID.

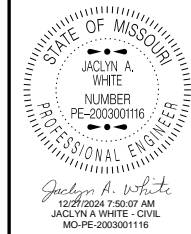
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION



FULL DEPTH PAVEMENT REPAIR									
	Log mile			FURNISH &	SUBGRADE	TYPE 1 OR 5	DOWEL	SAW CUT	REMARKS
				PLACE	COMPACTION	AGGREGATE	BAR		
Repair No.	or Sta.	Length	Width	S.Y.	S.Y.	S.Y.	EACH	L.F.	
61	182.958	6	24	16.0	1.6	1.6	20	54	
62	182.979	6	24	16.0	1.6	1.6	20	54	
63	182.998	6	24	16.0	1.6	1.6	20	54	
64	183.011	6	24	16.0	1.6	1.6	20	54	
65	183.057	6	24	16.0	1.6	1.6	20	54	
66	183.07	6	24	16.0	1.6	1.6	20	54	
67	183.106	6	24	16.0	1.6	1.6	20	54	
68	183.426	6	24	16.0	1.6	1.6	20	54	
69	183.773	6	24	16.0	1.6	1.6	20	54	
70	184.041	6	12	8.0	0.8	0.8	20	30	WB LN
71	184.197	6	24	16.0	1.6	1.6	20	54	
72	184.407	6	24	16.0	1.6	1.6	20	54	
73	184.489	6	24	16.0	1.6	1.6	20	54	
74	184.591	6	24	16.0	1.6	1.6	20	54	
75	185.056	6	24	16.0	1.6	1.6	20	54	
76	185.248	6	24	16.0	1.6	1.6	20	54	
77	185.481	8	24	21.3	2.1	2.1	20	80	
78	185.535	6	24	16.0	1.6	1.6	20	54	
79	185.727	6	24	16.0	1.6	1.6	20	54	
80	185.899	6	24	16.0	1.6	1.6	20	54	
81	186.017	6	24	16.0	1.6	1.6	20	54	
82	186.165	6	12	8.0	0.8	0.8	20	30	WB LN
83	186.18	6	24	16.0	1.6	1.6	20	54	
84	186.252	6	24	16.0	1.6	1.6	20	54	
85	186.273	6	24	16.0	1.6	1.6	20	54	
86	186.417	6	24	16.0	1.6	1.6	20	54	
87	186.548	6	24	16.0	1.6	1.6	20	54	
88	186.594	6	24	16.0	1.6	1.6	20	54	
89	186.662	6	24	16.0	1.6	1.6	20	54	
90	186.791	6	12	8.0	0.8	0.8	20	30	EB LN
91	186.72	6	24	16.0	1.6	1.6	20	54	
92	186.926	6	24	16.0	1.6	1.6	20	54	
93	187.019	6	24	16.0	1.6	1.6	20	54	
94	187.128	6	24	16.0	1.6	1.6	20	54	
95	187.245	6	34	22.7	2.3	2.3	20	80	EB/WB and turn lane
96	174.916	8	24	21.3	2.1	2.1	20	80	4 Ln EB
97	174.768	8	24	21.3	2.1	2.1	20	80	4 Ln EB
98	174.591	8	24	21.3	2.1	2.1	20	80	4 Ln EB
99	174.422	8	24	21.3	2.1	2.1	20	80	4 Ln EB
100	173.868	10	24	26.7	2.7	2.7	20	82	4 Ln EB
SUBTOTAL (61-100)				659.9	66.0	66.0	800	2272	
SUBTOTAL (1-60)				973.2	97.3	97.3	1200	3321	
10% WINTERING				163.3	16.3	16.3	200	559	
PAY TOTAL				1796.4	180	180	2200	6152	



DATE PREPARED
12/26/2024

ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 3

COUNTY LAFAYETTE
JOB NO. JKR0249
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)

CLASS C PARTIAL DEPTH PAVEMENT REPAIR							
Repair No.	Log mile	Length	Width	REMOVAL S. Y.	MODIFIED		REMARKS
					TACK GAL.	FURNISH & PLACE TONS	
1	171.656	10	8	8.9	2.2	2.0	SHOULDER REPAIR 4" DEPTH (LT)
2	171.675	30	8	26.7	6.7	5.9	SHOULDER REPAIR 4" DEPTH (LT)
3	171.688	30	8	26.7	6.7	5.9	SHOULDER REPAIR 4" DEPTH (LT)
4	171.803	100	8	88.9	22.2	19.6	SHOULDER REPAIR 4" DEPTH (LT)
5	171.876	100	8	88.9	22.2	19.6	SHOULDER REPAIR 4" DEPTH (LT)
6	172.134	20	8	17.8	4.5	3.9	SHOULDER REPAIR 4" DEPTH (LT)
1	173.086	4.00	24.00	10.7	3.2	3.5	
2	173.093	4.00	24.00	10.7	3.2	3.5	
3	173.217	4.00	24.00	10.7	3.2	3.5	
4	173.153	4.00	24.00	10.7	3.2	3.5	
5	173.178	4.00	24.00	10.7	3.2	3.5	
6	173.184	4.00	24.00	10.7	3.2	3.5	
7	173.216	4.00	24.00	10.7	3.2	3.5	
8	173.231	4.00	24.00	10.7	3.2	3.5	
9	173.260	4.00	12.00	5.3	1.6	1.8	WB LN
10	173.310	4.00	24.00	10.7	3.2	3.5	
11	173.355	4.00	24.00	10.7	3.2	3.5	
12	173.410	4.00	24.00	10.7	3.2	3.5	
13	173.463	4.00	24.00	10.7	3.2	3.5	
14	173.478	4.00	24.00	10.7	3.2	3.5	4 LN DRIVING AND PASSING
15	173.679	4.00	24.00	10.7	3.2	3.5	4 LN DRIVING AND PASSING
16	173.976	4.00	24.00	10.7	3.2	3.5	4 LN DRIVING AND PASSING
17	174.019	4.00	24.00	10.7	3.2	3.5	4 LN DRIVING AND PASSING
18	175.056	4.00	24.00	10.7	3.2	3.5	
19	175.415	4.00	24.00	10.7	3.2	3.5	
20	175.442	4.00	24.00	10.7	3.2	3.5	
21	175.565	4.00	24.00	10.7	3.2	3.5	
22	175.601	4.00	24.00	10.7	3.2	3.5	
23	175.668	4.00	24.00	10.7	3.2	3.5	
24	175.865	4.00	24.00	10.7	3.2	3.5	
25	176.040	4.00	24.00	10.7	3.2	3.5	
26	176.177	4.00	24.00	10.7	3.2	3.5	
27	176.363	4.00	24.00	10.7	3.2	3.5	
28	176.526	4.00	24.00	10.7	3.2	3.5	
29	177.010	4.00	24.00	10.7	3.2	3.5	
30	177.084	4.00	24.00	10.7	3.2	3.5	
31	177.090	4.00	24.00	10.7	3.2	3.5	
32	177.643	4.00	24.00	10.7	3.2	3.5	
33	177.940	4.00	24.00	10.7	3.2	3.5	
34	179.226	4.00	24.00	10.7	3.2	3.5	
35	179.773	4.00	24.00	10.7	3.2	3.5	
7	180.042	200	8	177.8	44.5	39.2	SHOULDER REPAIR 4" DEPTH (RT)
36	180.342	4.00	24.00	10.7	3.2	3.5	
37	180.342	4.00	24.00	10.7	3.2	3.5	
38	180.457	4.00	24.00	10.7	3.2	3.5	
8	180.78	10	8	8.9	2.2	2.0	SHOULDER REPAIR 4" DEPTH (RT)
39	180.819	4.00	24.00	10.7	3.2	3.5	
40	181.309	4.00	24.00	10.7	3.2	3.5	
41	181.828	4.00	24.00	10.7	3.2	3.5	
42	181.882	4.00	24.00	10.7	3.2	3.5	
43	181.897	4.00	24.00	10.7	3.2	3.5	
44	182.049	4.00	24.00	10.7	3.2	3.5	
45	182.142	4.00	24.00	10.7	3.2	3.5	
46	182.228	4.00	24.00	10.7	3.2	3.5	
47	182.556	4.00	24.00	10.7	3.2	3.5	
48	182.623	4.00	24.00	10.7	3.2	3.5	
49	182.635	4.00	24.00	10.7	3.2	3.5	
50	182.677	4.00	24.00	10.7	3.2	3.5	
51	182.812	4.00	24.00	10.7	3.2	3.5	
52	183.021	4.00	24.00	10.7	3.2	3.5	
53	183.136	4.00	24.00	10.7	3.2	3.5	
54	183.302	4.00	24.00	10.7	3.2	3.5	
55	183.440	4.00	24.00	10.7	3.2	3.5	
56	184.570	4.00	24.00	10.7	3.2	3.5	
57	184.604	4.00	24.00	10.7	3.2	3.5	
58	185.076	4.00	24.00	10.7	3.2	3.5	
59	185.091	4.00	24.00	10.7	3.2	3.5	
60	185.519	4.00	24.00	10.7	3.2	3.5	
61	185.670	120.00	44.00	586.7	176.0	194.0	MAINTENANCE CULVERT PIPE REPLACEMENT
63	185.804	4.00	24.00	10.7	3.2	3.5	
64	185.872	4.00	24.00	10.7	3.2	3.5	
65	186.051	4.00	24.00	10.7	3.2	3.5	
66	186.108	4.00	24.00	10.7	3.2	3.5	
67	186.791	4.00	24.00	10.7	3.2	3.5	
68	187.110	4.00	24.00	10.7	3.2	3.5	
SUBTOTAL				1474.2	432.3	464.5	
10% WINTERING				147.4	43.2	46.5	
PAY TOTAL				1621.6		511.0	

NOTE: QUANTITIES FOR PARTIAL DEPTH REPAIRS
ARE BASED ON AN AVERAGE ASPHALT THICKNESS OF 6"

ASPHALT FOR ALL PARTIAL DEPTH REPAIRS SHALL BE
REMOVED TO THE UNDERLYING CONCRETE



Jaclyn A. White
12/16/2024 7:55:45 AM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/16/2024

ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 3

COUNTY
LAFAYETTE


JOB NO.
JKR0249
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)

OPTIONAL TEMPORARY PAVEMENT MARKING

1 LUMP SUM

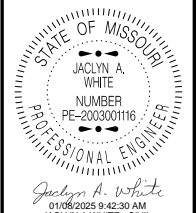
OBJECT MARKER

NO	EB LOG MILE	DIRECTION		TYPE III OBJECT MARKER		2" PSST POST 12 GA		POST ANCHOR FOR 2" PSST - 12 GA		LOCATION
		WB	EB	EA	LF	EA				
		TOTAL		EA	LF	EA				
1	34.078	0	1	1	6	1	OLD SANTA FE TRAIL & ROUTE 24 EB			
		TOTAL		1	6	1				

GUARDRAIL

LOG MILE START	LOG MILE END	LOCATION	EXISTING GUARDRAIL LF	MGS GR 6' POSTS LF	MGS GR 8' POSTS LF	MGS TYPE A CET (MASH) EA	MGS END ANCHOR EA	MGS BRIDGE APPR. TRANS SECT EA	SHAPING CLASS III SLOPES 100 FT	REMARKS
185.835	185.955	ROUTE 24 WB	637.5		537.5	2			1.50	RAIL DAMAGED
184.975	185.095	ROUTE 24 WB	637.5		537.5	2			1.50	RAIL DAMAGED
184.775	184.855	ROUTE 24 WB	425.0		325.0	2			1.50	TO REPLACE
36.500	36.595	ROUTE 24 EB	500.0		400.0	2			1.50	MASH TO REPLLACE
36.755	36.815	ROUTE 24 EB	325.0		225.0	2			1.50	RAIL DAMAGED
183.178	183.260	ROUTE 24 WB	450.0		350.0	2			1.50	RAIL DAMAGED
181.840	181.999	ROUTE 24 WB	887.5	777.5		2			1.50	RAIL DAMAGED
41.126	41.160	ROUTE 24 EB	180	100.0		1		1	0.75	BRIDGE L0597
180.189	180.230	ROUTE 24 WB	215	125.0		1		1	0.75	BRIDGE L0597
41.240	41.320	ROUTE 24 EB	425	337.5		1		1	0.75	BRIDGE L0597
180.050	180.108	ROUTE 24 WB	305	225.0		1		1	0.75	BRIDGE L0597
43.280	43.320	EX. BRIDGE A 6379 - LITTLE SNI-A-BAR CREEK	250.0	162.5		1		1	0.75	TO REPLACE
178.025	178.065	EX. BRIDGE A 6379 - LITTLE SNI-A-BAR CREEK	250.0	162.5		1		1	0.75	TO REPLACE
43.360	43.440	EX. BRIDGE A 6379 - LITTLE SNI-A-BAR CREEK	425.0	337.5		1		1	0.75	TO REPLACE
177.905	177.985	EX. BRIDGE A 6379 - LITTLE SNI-A-BAR CREEK	425.0		337.5	1		1	0.75	TO REPLACE
177.302	177.382	ROUTE 24 WB	50.0			1			0.50	MASH TO REPLLACE
47.118	47.164	ROUTE 24 EB MEDIAN PIER PROTECTION (ROUTE 13 OVERPASS)	185.0		175.0	1	1		1.85	REGRADE & REPLACE
174.147	174.192	ROUTE 24 WB MEDIAN PIER PROTECTION (ROUTE 13 OVERPASS)	185.0		175.0	1	1		1.85	REGRADE & REPLACE
46.799	46.879	ROUTE 24 EB	425.0		375.0	1	1		4.25	REGRADE & REPLACE
0.038	0.123	RAMP FROM 224 TO ROUTE 13	450.0	400.0		1	1		0.75	
PAY TOTALS				2628	3438	27	4	8	26	

SUMMARY OF QUANTITIES
SHEET 7 OF 9



DATE PREPARED
1/7/2025

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 3

COUNTY LAFAYETTE

JOB NO. JKR0249

CONTRACT ID.

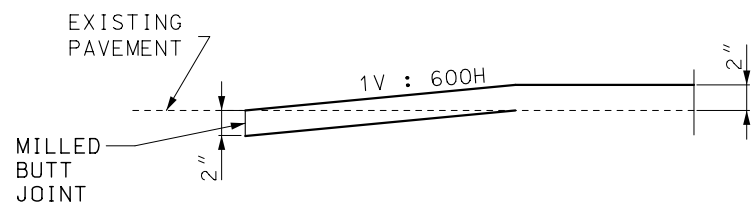
PROJECT NO.

BRIDGE NO.

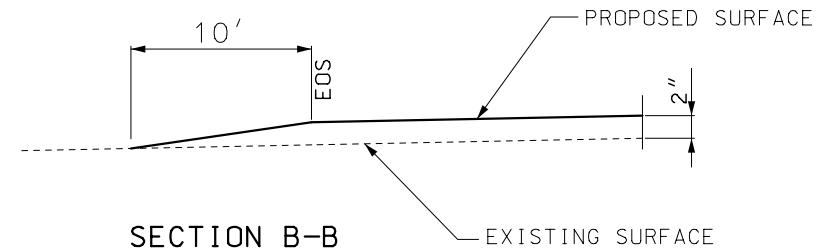
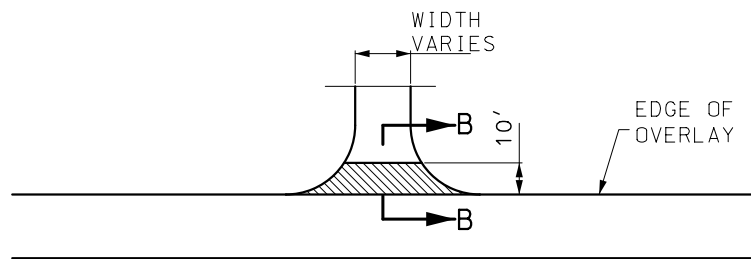
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

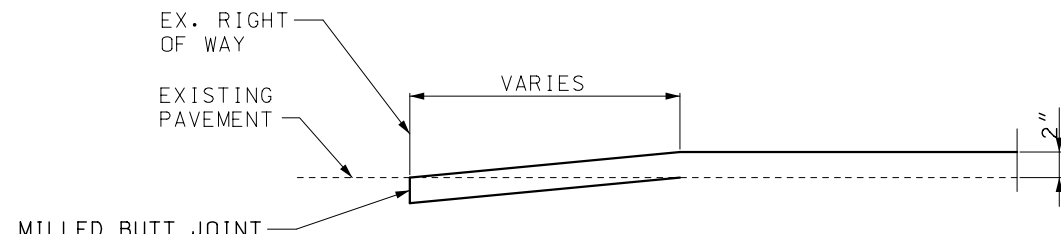
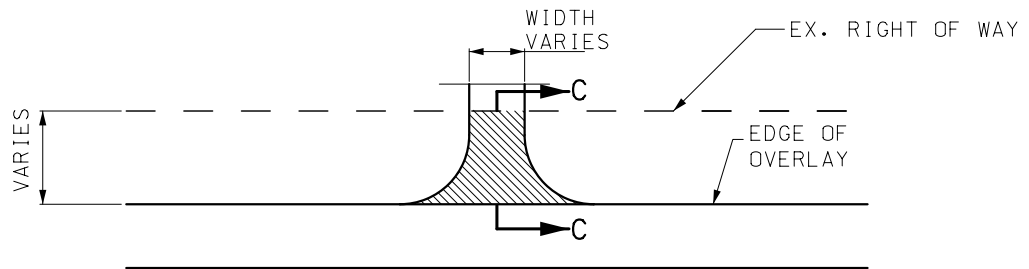
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



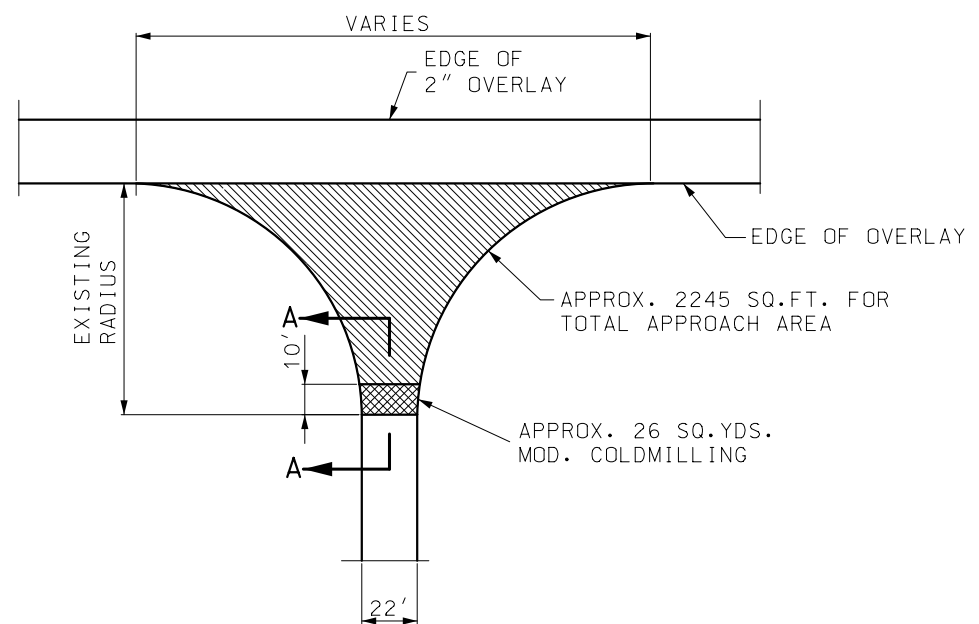
TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AND EXCEPTIONS



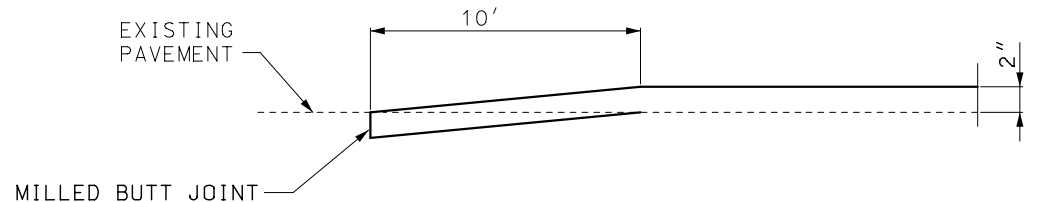
TYPICAL GRAVEL ENTRANCE
(COUNTY OR PRIVATE ROAD)



SECTION C-C
TYPICAL ASPHALT ENTRANCE



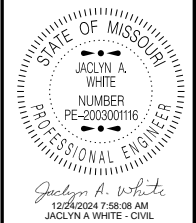
STATE ROUTE D



SECTION A-A
STATE ROUTE D AND ROUTE 131

NOT TO SCALE

SPECIAL SHEET
1 OF 4

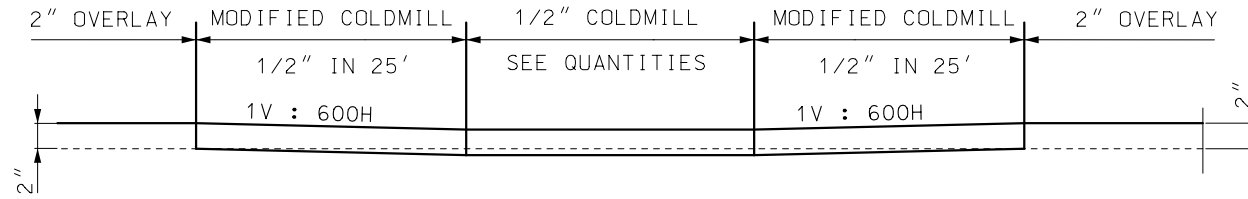


DATE PREPARED 12/16/2024	
ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 4
COUNTY LAFAYETTE	
JOB NO. JKR0249	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

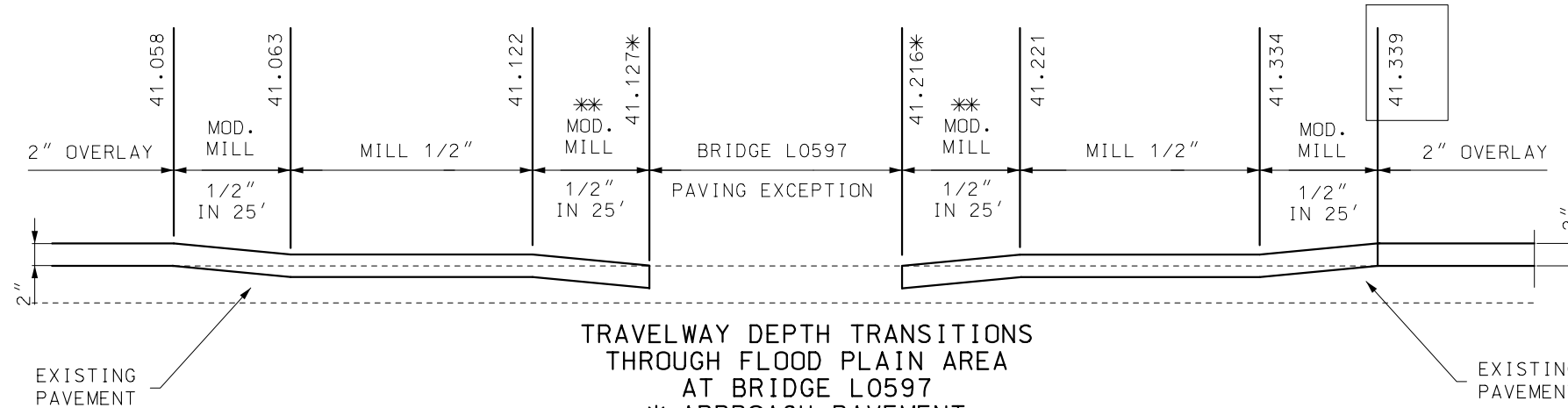
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



TRAVELWAY DEPTH TRANSITIONS
THROUGH FLOOD PLAIN AREAS

LOCATIONS OF MODIFIED MILLING FOR FLOODPLAIN LOCATIONS							
LOCATION	MODIFIED MILL		COLDMILL		MODIFIED MILL		REMARKS
	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	
1	34.457	34.462	34.462	34.618	34.618	34.623	1/2" COLDMILL
2	35.379	35.384	35.384	35.538	35.538	35.543	1/2" COLDMILL
3	36.237	36.242	36.242	36.377	36.377	36.382	1/2" COLDMILL
4	38.378	38.383	38.383	38.497	38.497	38.502	1/2" COLDMILL
6	48.892	48.897	48.897	48.901	48.901	48.906	1/2" COLDMILL



TRAVELWAY DEPTH TRANSITIONS
THROUGH FLOOD PLAIN AREA
AT BRIDGE L0597
* APPROACH PAVEMENT
* TAPER ASPHALT 2" TO 1"

MODIFIED MILLING FOR FLOODPLAIN LOCATION AT BRIDGE L0597													
LOCATION	MODIFIED MILL		COLDMILL 1/2"		MODIFIED MILL		MODIFIED MILL		COLDMILL 1/2"		MODIFIED MILL		REMARKS
	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	
5	41.058	41.063	41.063	41.122	41.122	41.127	41.216	41.221	41.221	41.334	41.334	41.339	COLDMILLING - AT BRIDGE L0597

NOT TO SCALE

SPECIAL SHEET
2 OF 4



DATE PREPARED
12/16/2024
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 5
COUNTY LAFAYETTE
JOB NO. JKR0249
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)





Jacquyn A. White
 12/24/2024 7:59:19 AM
 JACLYN A. WHITE - CIVIL
 MO-PE-200300116

DATE PREPARED
 11/22/2024

ROUTE 24	STATE MO
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DISTRICT KC	SHEET NO. 6
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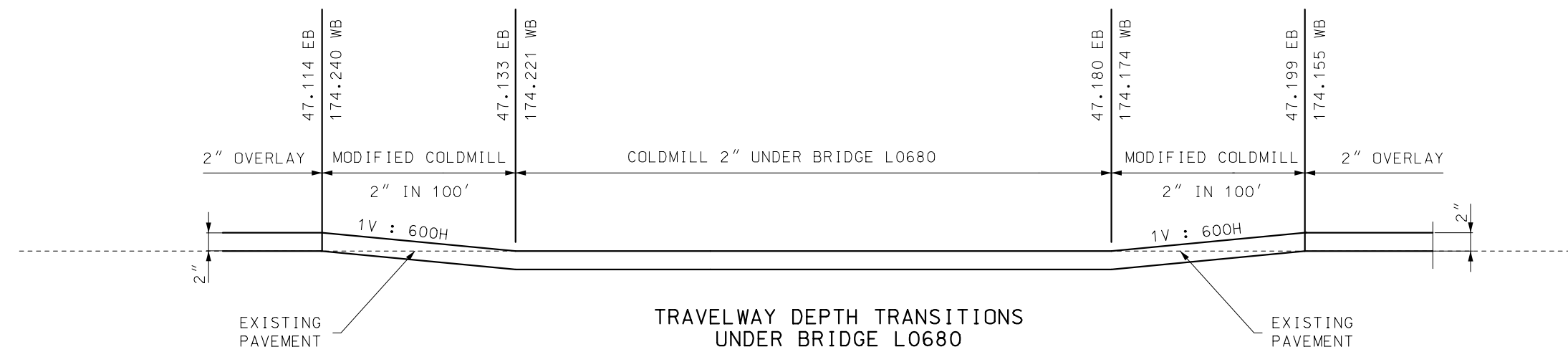
COUNTY
LAFAYETTE

JOB NO.
JKR0249

CONTRACT ID.

PROJECT NO.

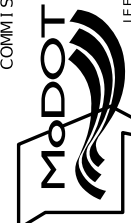
BRIDGE NO.



MODIFIED MILLING TO MAINTAIN CLEARANCE AT BRIDGE L0680							
DIRECTION	MODIFIED MILL		COLDMILL 2"		MODIFIED MILL		REMARKS
	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	LOG MILE	
EB	47.114	47.133	47.133	47.180	47.180	47.199	2" COLDMILL - UNDER BRIDGE L0680
WB	174.155	174.174	174.174	174.221	174.221	174.240	2" COLDMILL - UNDER BRIDGE L0680

DATE	DESCRIPTION

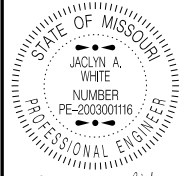
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

NOT TO SCALE

SPECIAL SHEET
 3 OF 4



Jaclyn A. White
12/24/2024 7:59:53 AM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
11/22/2024

ROUTE STATE
24 MO

DISTRICT SHEET NO.
KC 7

COUNTY
LAFAYETTE

JOB NO.
JKR0249

CONTRACT ID.

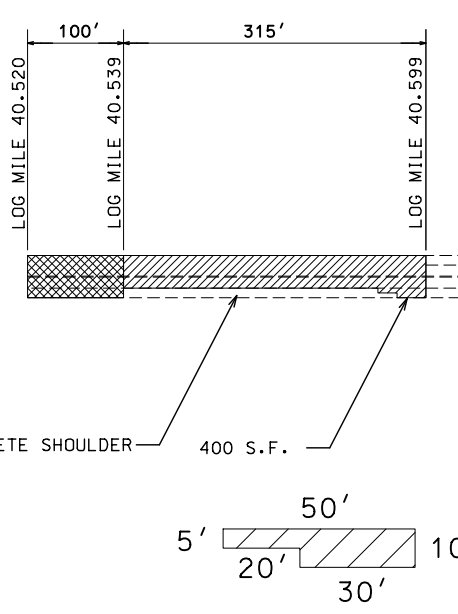
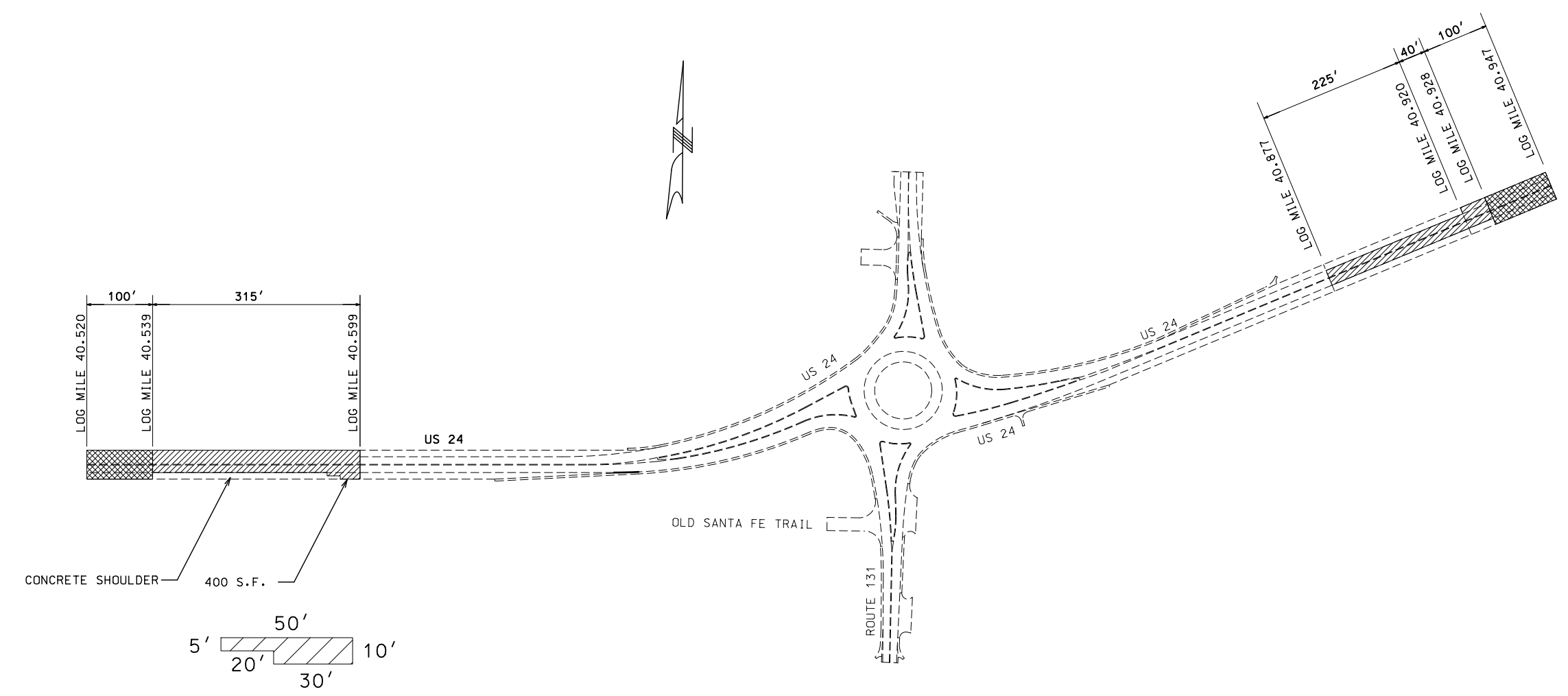
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



COLDMILLING @ US24 & 131

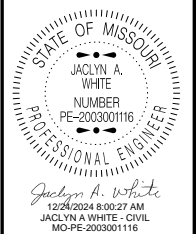
LEGEND

- MODIFIED COLDMILL
- 2" COLDMILL

NOT TO SCALE

SPECIAL SHEET
4 OF 4

SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER



DATE PREPARED 12/16/2024	
ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 8
COUNTY LAFAYETTE	
JOB NO. JKR0249	
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 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'

- NOTE:**
- (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

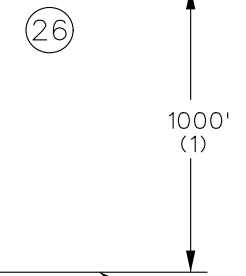
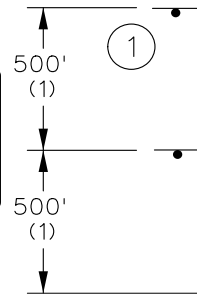
TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
< 40	160'	168'	176'	BARRIER HEIGHT TRANSITION
> 40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH 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'

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 10 FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

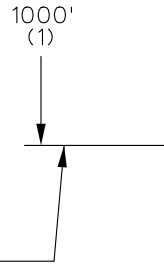
- (5) ON DIVIDED HIGHWAYS, THE REDUCED SPEED IS APPLICABLE TO THE AFFECTED DIRECTION OF TRAVEL ONLY.
- (6) EXISTING SPEED LIMIT SIGNS WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE SHALL BE COVERED OR REMOVED.
- (7) SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHOULD BE INSTALLED AT THE END OF THE REDUCED AREA PROVIDED NO OTHER REDUCTION IS IMPOSED WITHIN THE NEXT ONE-HALF MILE OR NO EXISTING SPEED LIMIT SIGN IS LOCATED WITHIN THE NEXT ONE-HALF MILE.
- (8) REDUCED SPEED LIMIT SIGNING SHALL BE REMOVED, COVERED OR TURNED FROM TRAFFIC WHEN CONDITIONS REQUIRING THE REDUCED SPEED NO LONGER EXIST.
- (9) FOR TWO-LANE ROADWAYS, NORMAL SPEED LIMIT SIGNS ARE TYPICALLY INSTALLED OPPOSITE THE WORK ZONE SPEED LIMIT SIGN ON THE OPPOSITE APPROACH FACING TRAFFIC LEAVING THE WORK ZONE.
- (10) REDUCED SPEED LIMIT SIGNS ARE NOT TO BE INSTALLED ON SIDE STREET APPROACHES OR RAMPS FOR WORK LIMITED TO MAIN LINE ONLY. REDUCED SPEED LIMIT SIGNS MAY BE INSTALLED DOWNSTREAM FROM THE RAMP OR SIDE STREET TO INFORM DRIVERS OF THE WORK ZONE SPEED LIMIT. IF THE WORK IS ON THE RAMP, OR AFFECTS THE RAMP, REDUCED SPEED LIMIT SIGNS ARE TO BE USED.
- (11) POSTED WORK ZONE SPEED LIMIT SHALL NOT BE BELOW 35 MPH, EXCEPT WHEN LOCAL ORDINANCE PROVIDES FOR A LOWER SPEED. THE LOWER SPEED SHALL BE USED WHEN APPLICABLE.
- (12) APPROPRIATE WARNING SIGNS WITH ADVISORY SPEED PLAQUES SHOULD BE USED TO ADVISE OF ANY SPECIALIZED SITUATIONS (I.E., TEMPORARY BYPASS, NARROW LANES, ETC.).
- (13) FOR APPROVED SPEED REDUCTIONS GREATER THAN 10 MPH, ADDITIONAL NOTIFICATION SHOULD BE PROVIDED THROUGH THE USE OF THE SPEED LIMIT XX AHEAD SIGN. REFER TO EPG 616.12.3 WORK ZONE SPEED LIMIT FIGURES.
- (14) FOR APPROVED SPEED REDUCTIONS GREATER THAN 20 MPH, THE SPEED LIMIT SHOULD BE REDUCED IN TWO STAGES. REFER TO EPG 616.12.3 WORK ZONE SPEED LIMIT FIGURES.

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



(26)

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.



(26)

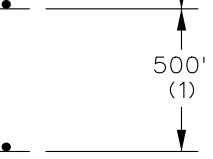
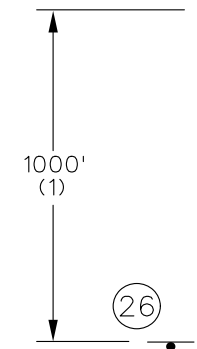


(26)



CONST-5-96 (2)(3)

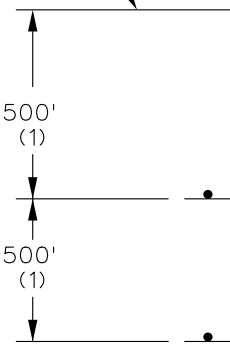
BEGINNING OF PROJECT LIMITS;
OR INITIAL WORK ZONE SIGN, IF
LOCATED OUTSIDE PROJECT LIMITS.



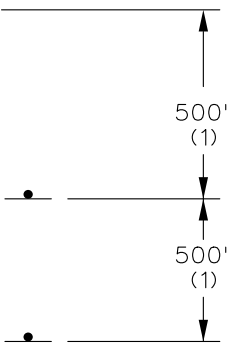
(1)

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

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



(1)

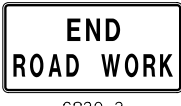


(1)

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



G020-1
(1)



G020-2
(26)



CONST-5-48 (2)(3)

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.

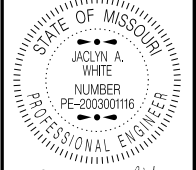
(4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM
OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

TWO-LANE UNDIVIDED

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

MULTI-LANE DIVIDED

BEGIN/END
PROJECT SIGNING
TEMPORARY
TRAFFIC CONTROL
SHEET 2 OF 12



Jaclyn A. White
12/24/2024 8:01:10 AM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/16/2024

ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 9

COUNTY
LAFAYETTE

JOB NO.
JKR0249

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)

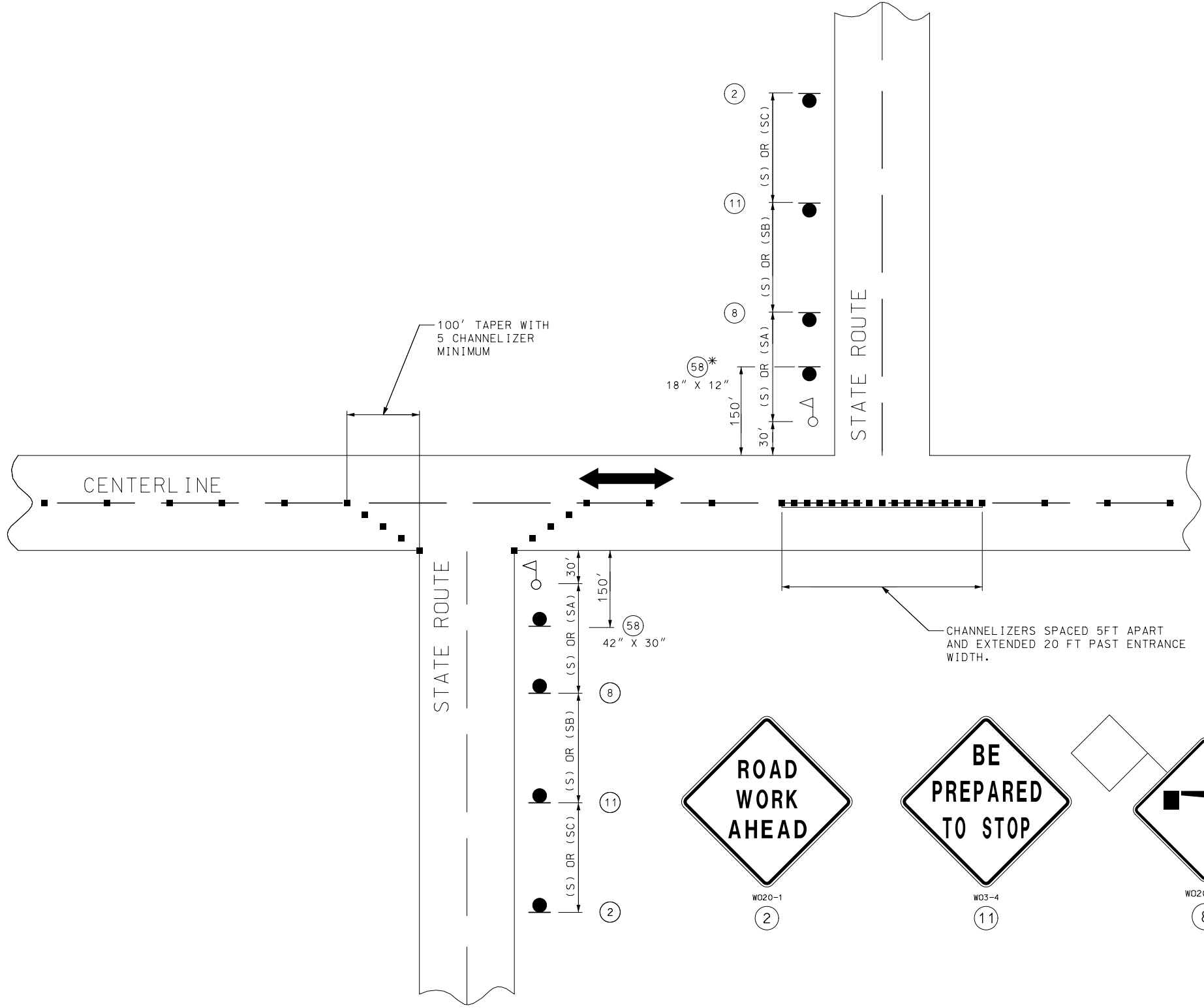
SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

DISTANCE MAY BE ADJUSTED ACCORDING TO 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.

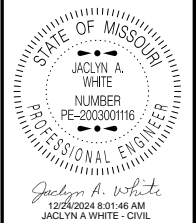
- - CHANNELIZERS (AS SPECIFIED)
- △ - FLAGGER



NOT TO SCALE

SIDE ROADS ENTERING WORK ZONE

TRAFFIC CONTROL
SHEET 3 OF 12



DATE PREPARED
12/16/2024

ROUTE **24** STATE **MO**

DISTRICT **KC** SHEET NO. **10**

COUNTY
LAFAYETTE

JOB NO.
JKR0249

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

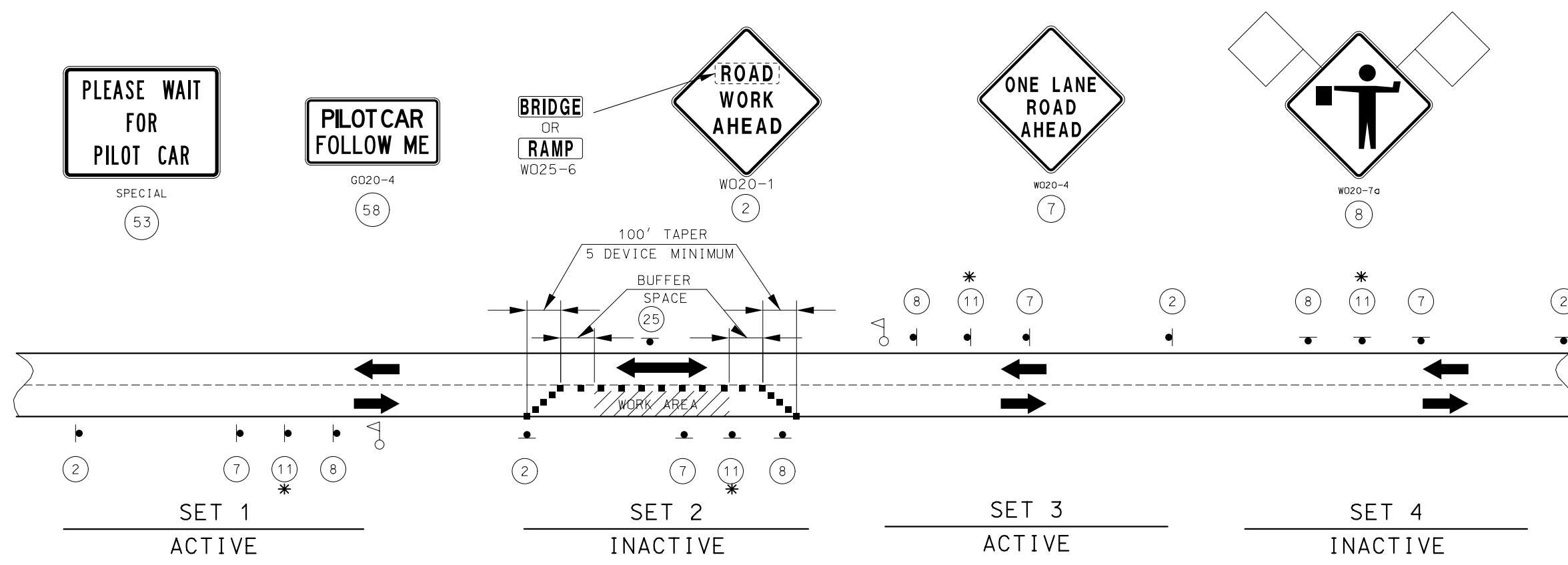
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.

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



SPEED (P) MPH	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MINIMUM TAPER SHOULDER (T)	MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT		TAPERS	BUFFER/WORK AREA
0-35	205 FT	225 FT	245 FT	70	35 FT	40 FT
40-45	450 FT	495 FT	540 FT	150	40 FT	80 FT
50-55	550 FT	605 FT	660 FT	185	50 FT	80 FT
60-70	700 FT	770 FT	840 FT	235	60 FT	120 FT

SPEED (P) MPH	BUFFER SPACE (FEET)
0-35	280
40-45	400
50-55	560
60-70	840

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

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

- 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.

○ - FLAGGER

■ ■ ■ ■ ■ ■ ■ ■
 CHANNELIZERS



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

- NOTES:
 SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
 SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
 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.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 "RUMBLE STRIPS".

FLAGGING CONTROL
 RESURFACING
 OR MOVING OPERATION
 TEMPORARY
 TRAFFIC CONTROL
 SHEET 4 OF 12

NOT TO SCALE

DATE PREPARED
12/16/2024

ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 11

COUNTY
LAFAYETTE

JOB NO.
JKR0249

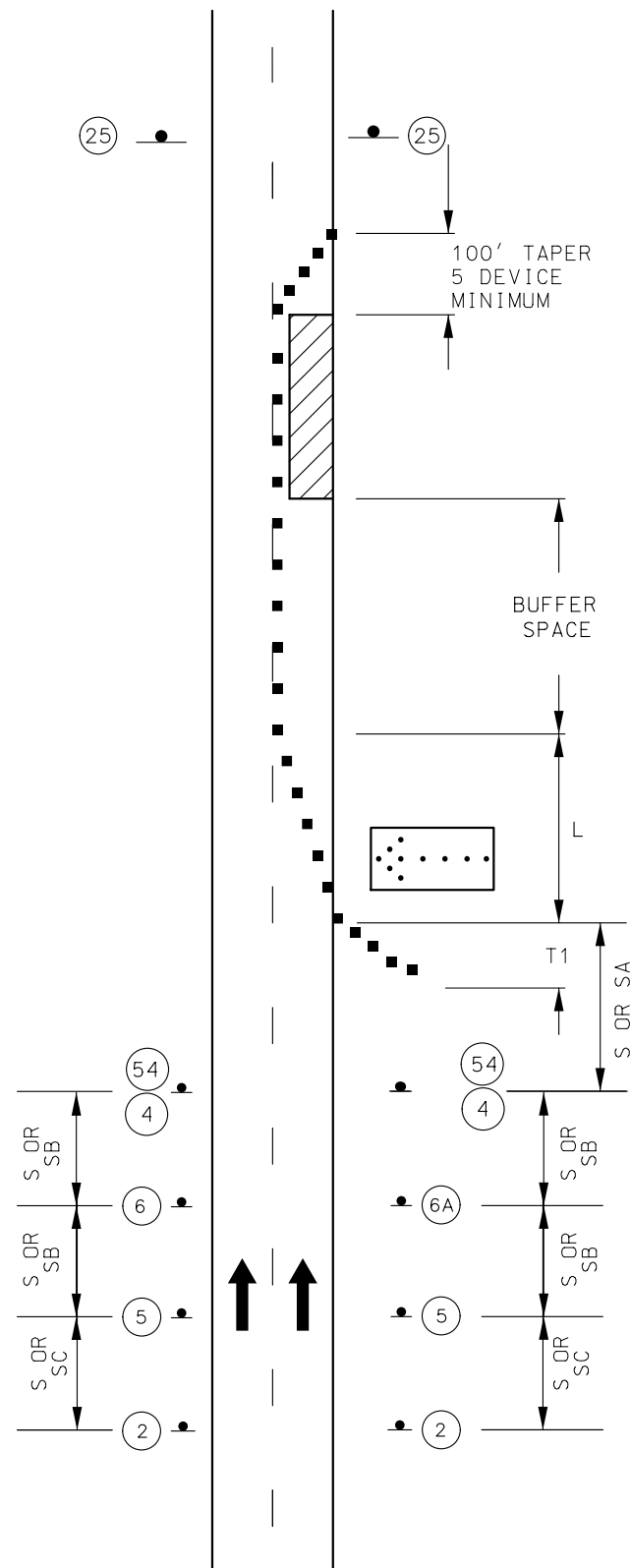
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

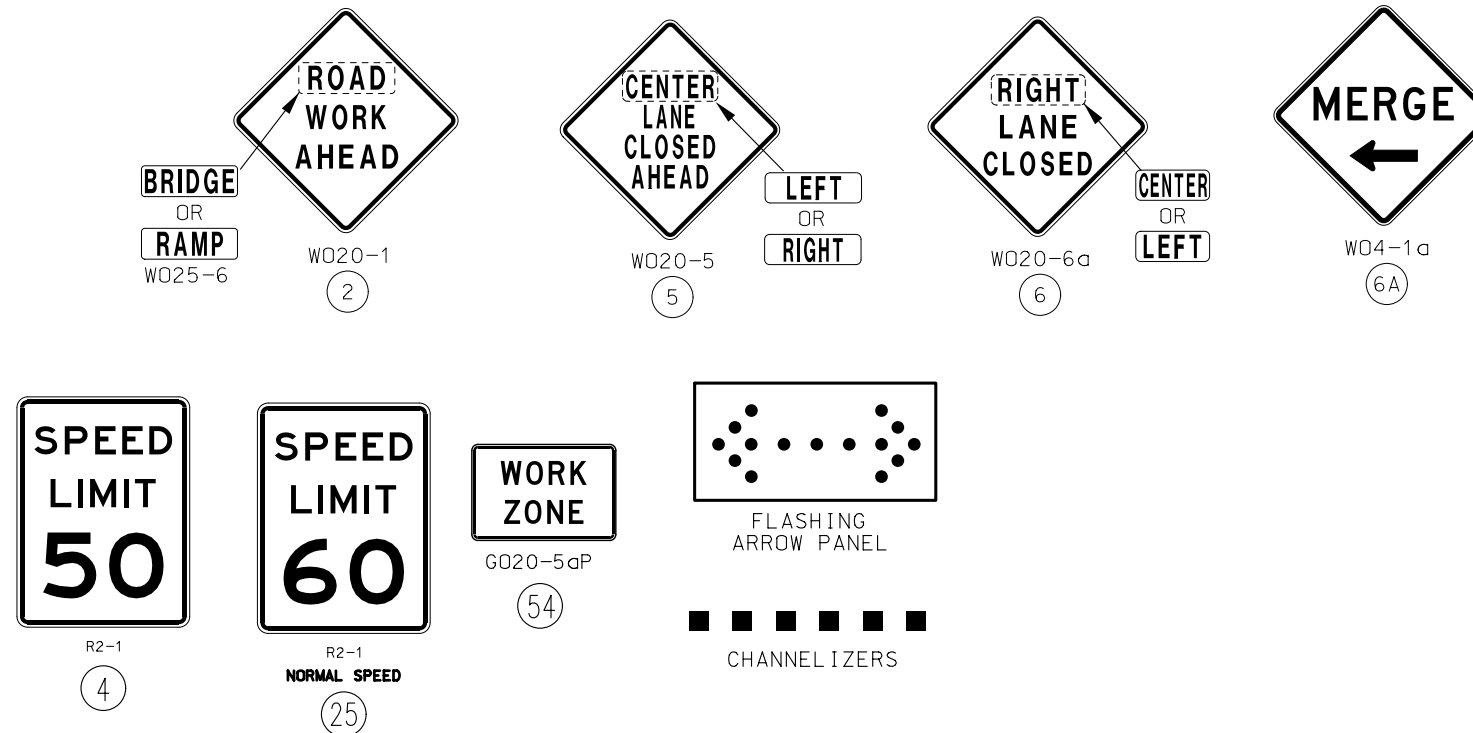
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



TWO-LANE DIVIDED HIGHWAY

NOT TO SCALE



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
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.

TEMPORARY TRAFFIC BARRIERS, IF USED SHALL COMPLY WITH THE PROVISIONS IN EPG 616.6.85 TEMPORARY TRAFFIC BARRIER AND REVIEW TA-34 LANE CLOSURE WITH A TEMPORARY TRAFFIC BARRIER.

REVIEW EPG TA-34a LANE CLOSURE WITH WIDTH AND LANE RESTRICTIONS DE/CM FOR A LANE CLOSURE WITH WIDTH RESTRICTIONS.

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.

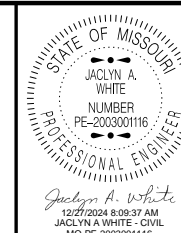
REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAG AND ADVANCE WARNING RAIL SYSTEM.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES

STATIONARY
LANE CLOSURE
ON DIVIDED HIGHWAY
TEMPORARY
TRAFFIC CONTROL
SHEET 5 OF 12

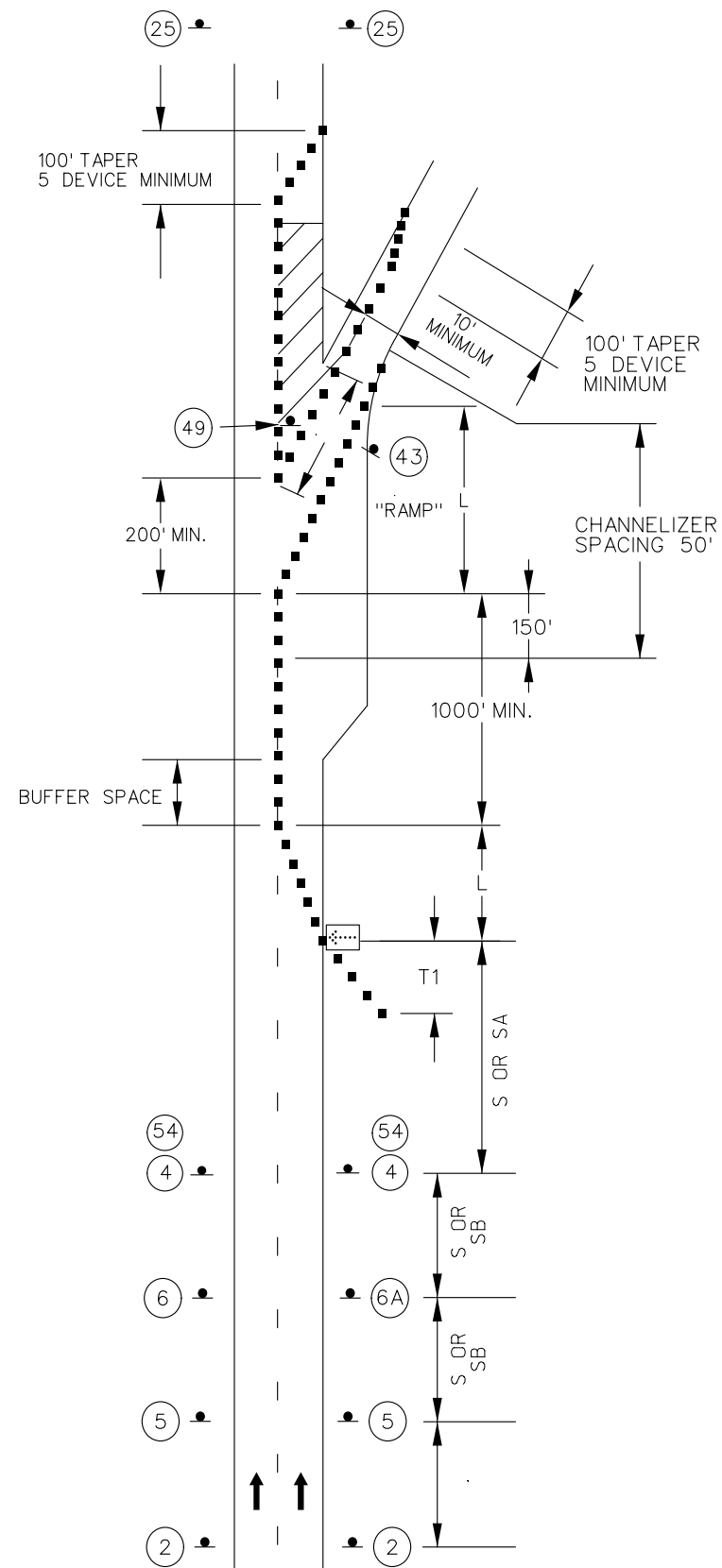
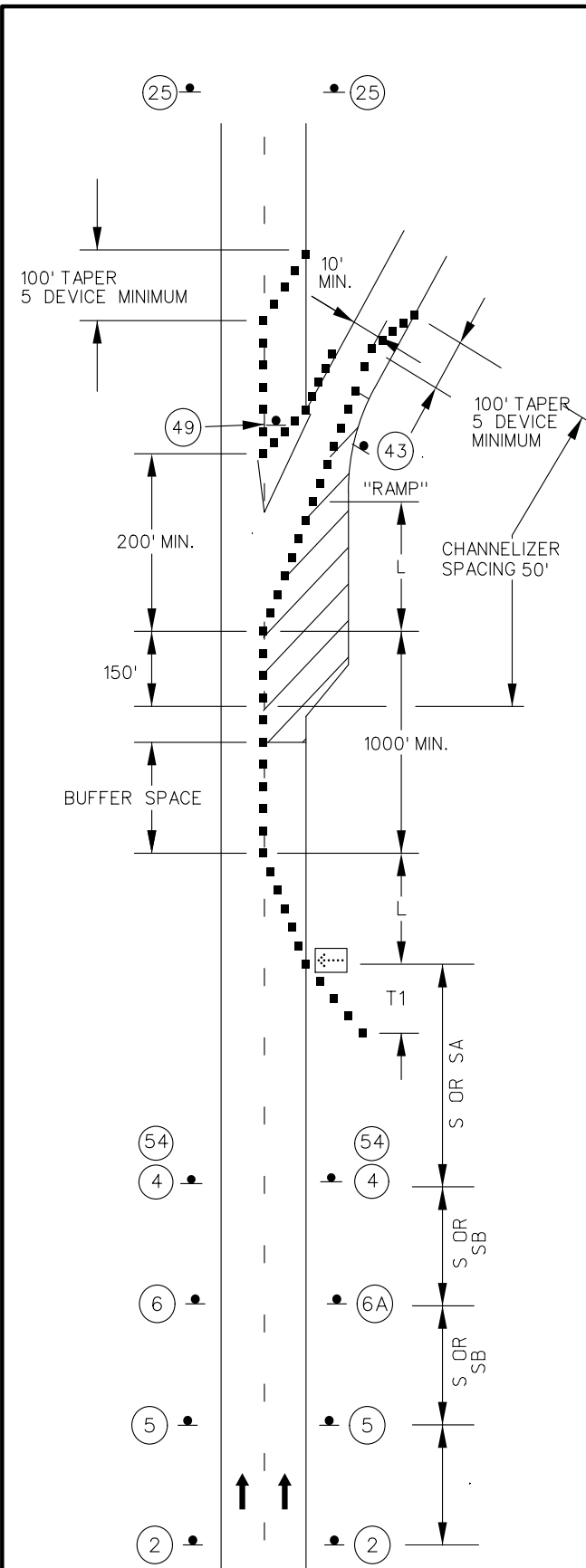


DATE PREPARED
12/26/2024
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 12
COUNTY LAFAYETTE
JOB NO. JKR0249
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

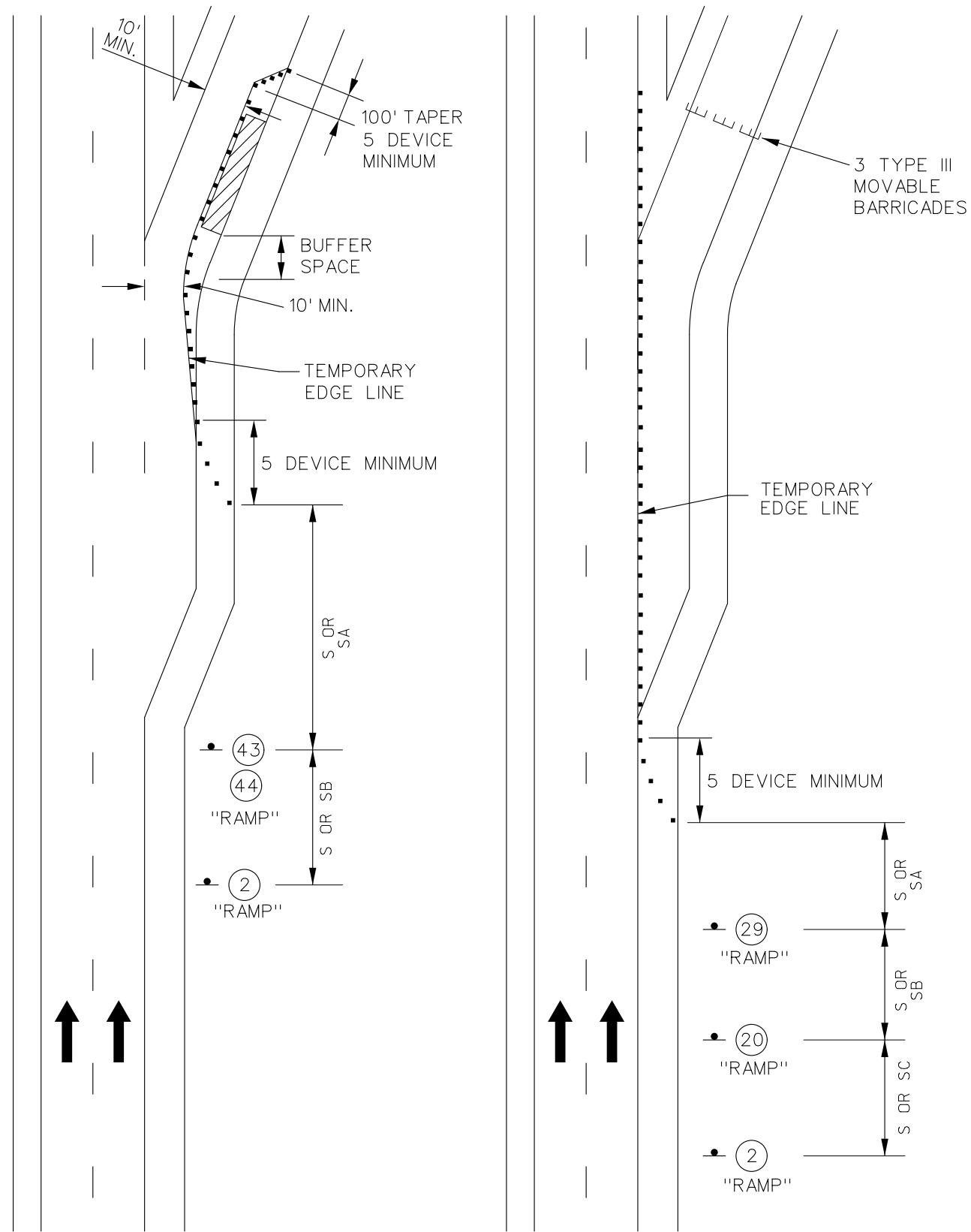
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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- NOTES:
- SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
 - SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
 - REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
 - TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
 - IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.
 - FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.
 - REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICE.
 - (1). SIGN (43) REQUIRED WHEN RAMP WIDTH IS REDUCED.
 - (2). FIVE CHANNELIZER DEVICE MINIMUM.

NOT TO SCALE

DATE PREPARED 12/16/2024	
ROUTE	STATE
24	MO
DISTRICT	SHEET NO.
KC	13
COUNTY	
LAFAYETTE	
JOB NO.	
JKR0249	
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)	

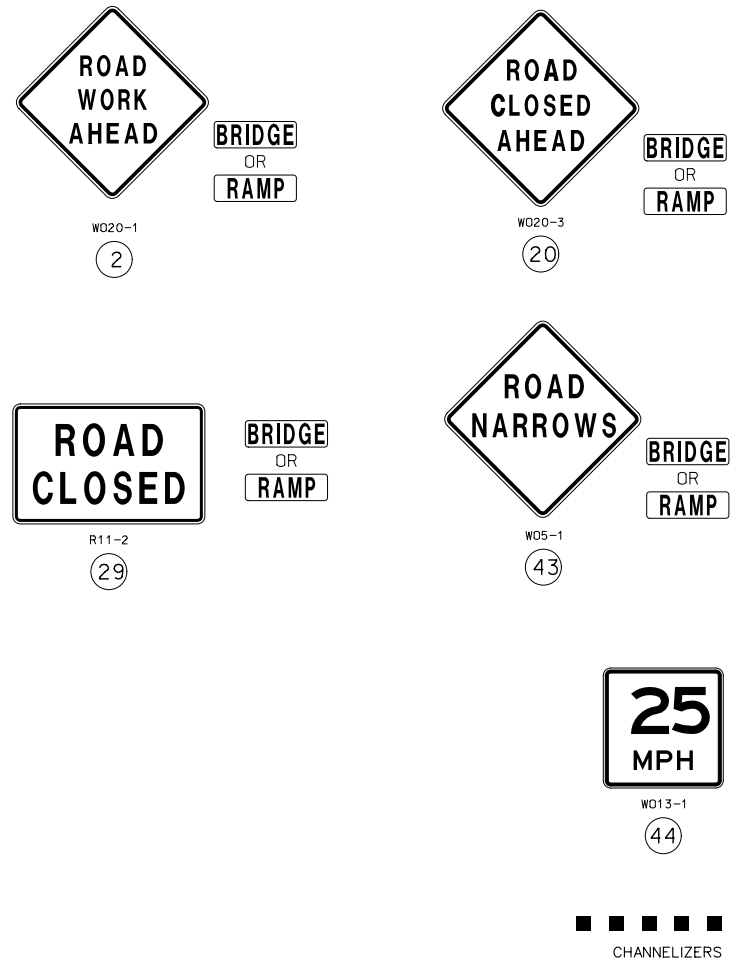


PARTIAL LANE

ENTIRE RAMP

PARTIAL AND TOTAL RAMP CLOSURE

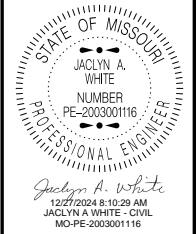
NOT TO SCALE



NOTES:

- SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.
- IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.
- REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICE.

PARTIAL OR TOTAL
EXIT RAMP CLOSURE
TEMPORARY
TRAFFIC CONTROL
SHEET 7 OF 12

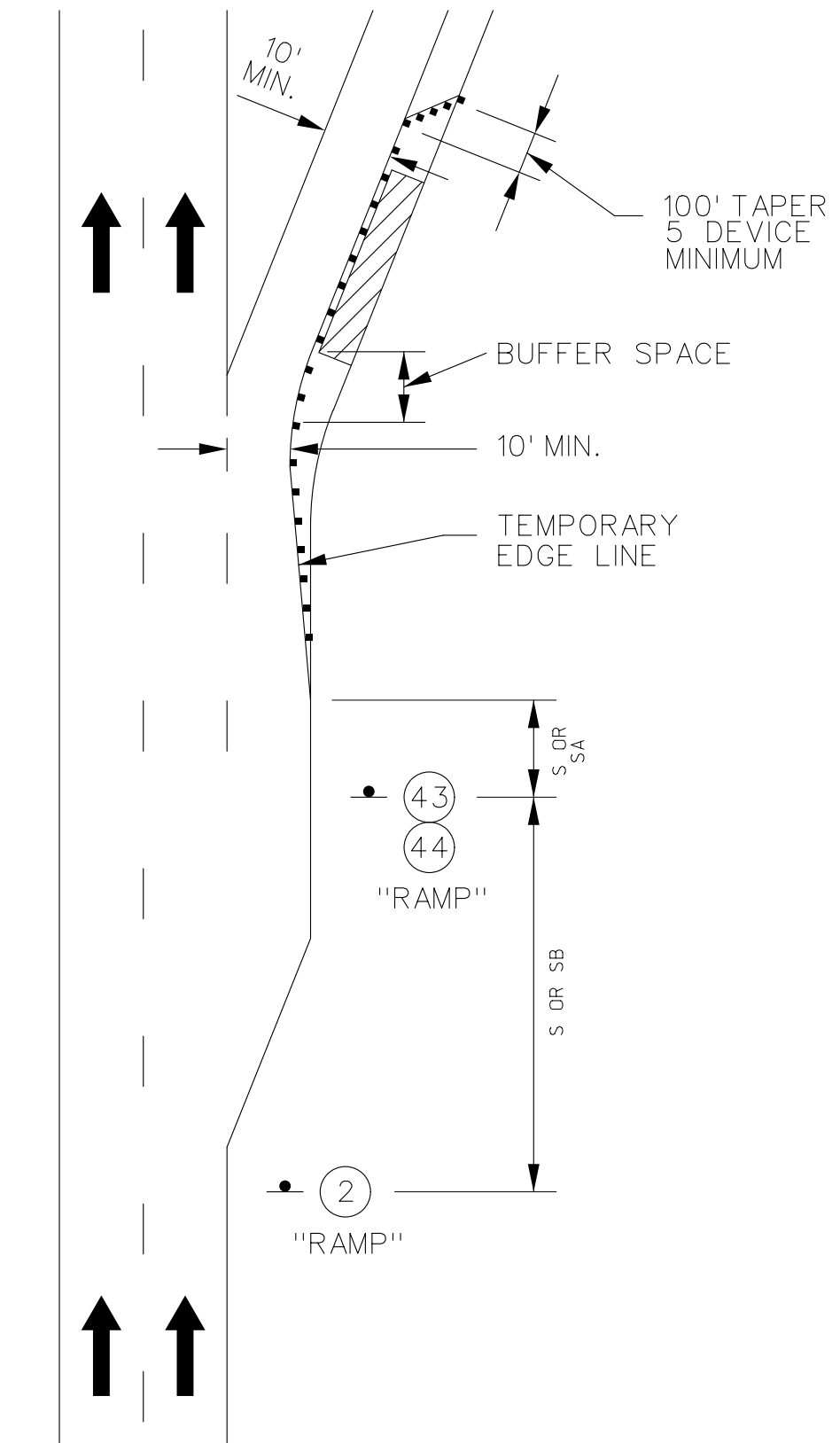


DATE PREPARED
12/26/2024
ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 14
COUNTY LAFAYETTE
JOB NO. JKR0249
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

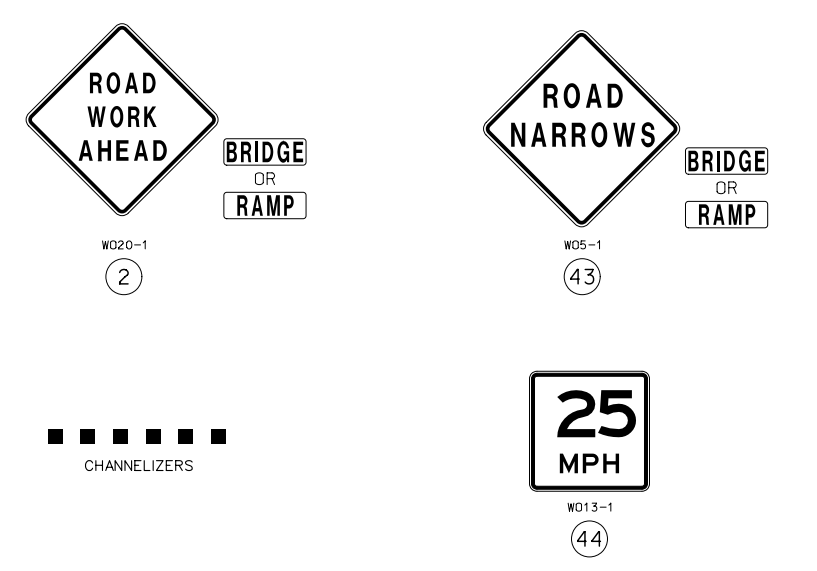
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL JEFFERSON CITY, MO 65102
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LANE CLOSURE
PARTIAL RAMP LANE



- NOTES:
- SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
 - SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
 - TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.
 - IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.
 - REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICE.

NOT TO SCALE

PARTIAL EXIT RAMP
CLOSURE
TEMPORARY
TRAFFIC CONTROL
SHEET 8 OF 12

DATE PREPARED
12/26/2024

ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 15

COUNTY
LAFAYETTE

JOB NO.
JKR0249

CONTRACT ID.

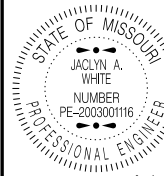
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



Jacquyn A. White
12/24/2024 8:08:23 AM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/16/2024

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 16

COUNTY LAFAYETTE

JOB NO. JKR0249

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

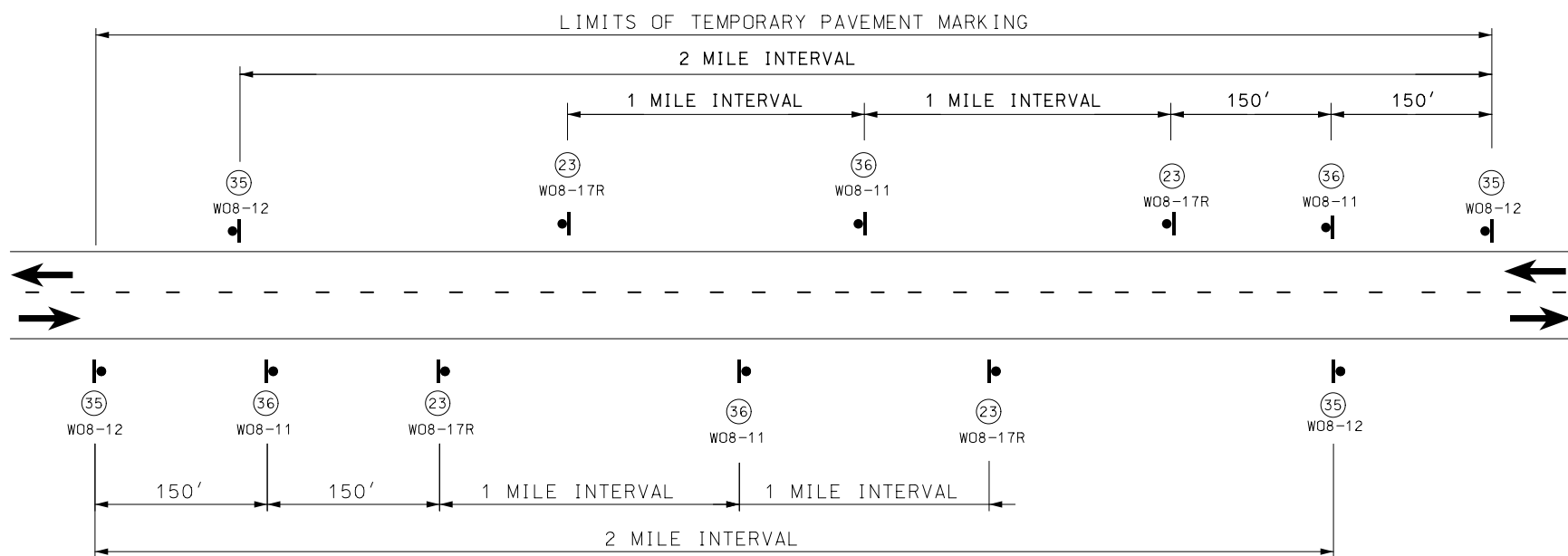
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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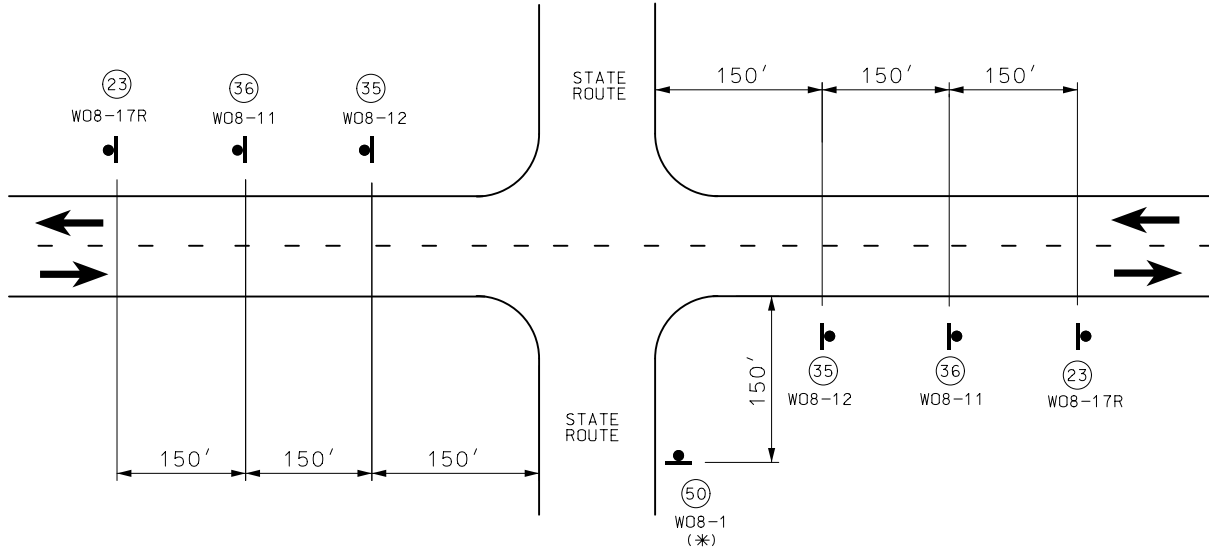
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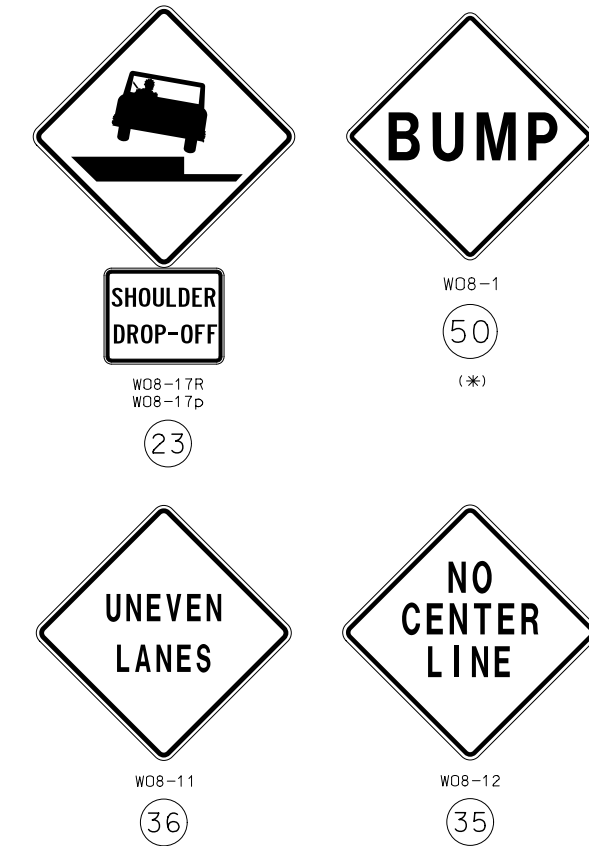
SIGN SPACING FOR MAINLINE

(DETAIL SHOWN IS BASED ON A PROJECT MEETING ALL CONDITIONS: NO CENTER STRIPE, UNEVEN LANES, SHOULDER DROP-OFF AND BUMP.)
WHEN BOTH UNEVEN LANES AND SHOULDER DROP-OFF SIGNS ARE USED, BOTH SIGNS SHALL STAY IN PLACE UNTIL BOTH CONDITIONS NO LONGER EXIST.
IF ONLY ONE CONDITION EXISTS (UNEVEN LANES OR SHOULDER DROP-OFF), THE SIGN SPACING SHALL BE AT 1 MILE INTERVALS.



SIGN SPACING AT STATE ROUTE INTERSECTIONS

(*) BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLAN 619.10.



GENERAL NOTES:

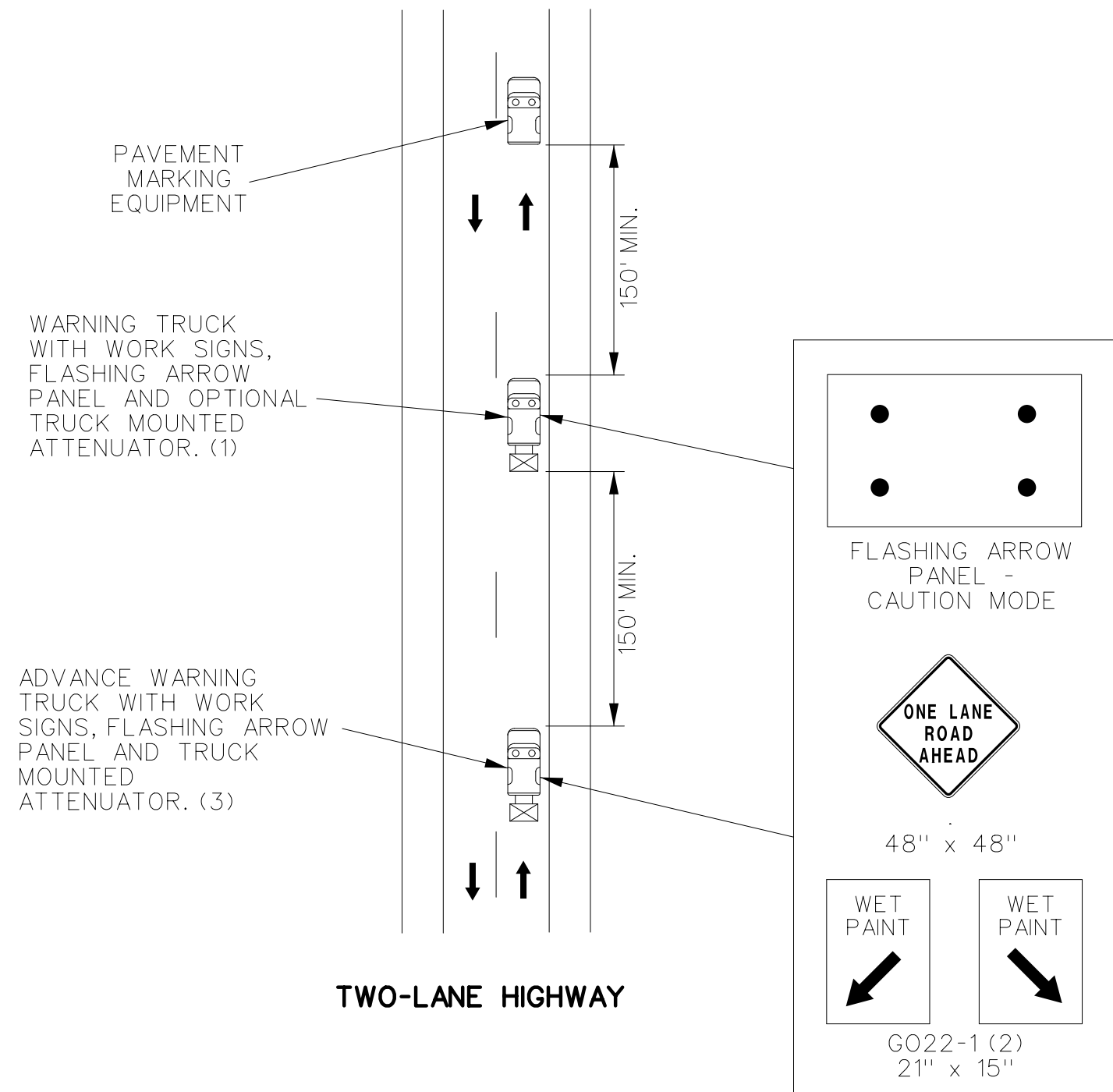
FOR DETAILS OF TEMPORARY PAVEMENT MARKING, SEE SHEET 1 OF 5.

SIGN 35 AND TEMPORARY PAVEMENT MARKING 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.

WHEN SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.



TWO-LANE HIGHWAY

**MOVING OPERATION ON HIGHWAY
OPEN TO TRAFFIC**

NOT TO SCALE

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.

MOVING OPERATION
OPEN TO TRAFFIC
TEMPORARY
TRAFFIC CONTROL
SHEET 10 OF 12

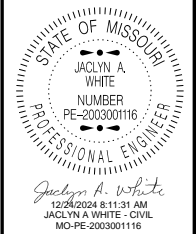
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JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED		12/16/2024	
ROUTE	STATE	24	MO
DISTRICT	SHEET NO.	KC	17
COUNTY			
LAFAYETTE			
JOB NO.			
JKR0249			
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
12/16/2024

ROUTE	STATE
24	MO
DISTRICT	SHEET NO.
KC	19

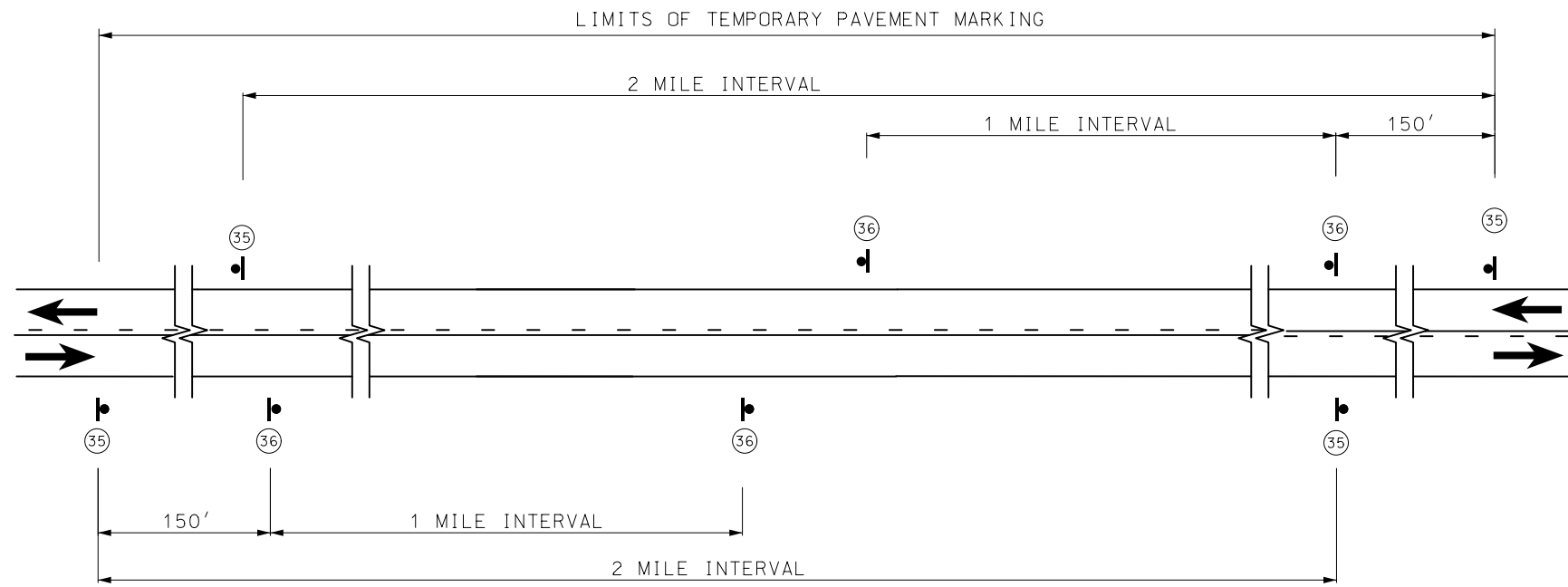
COUNTY
LAFAYETTE

JOB NO.
JKR0249

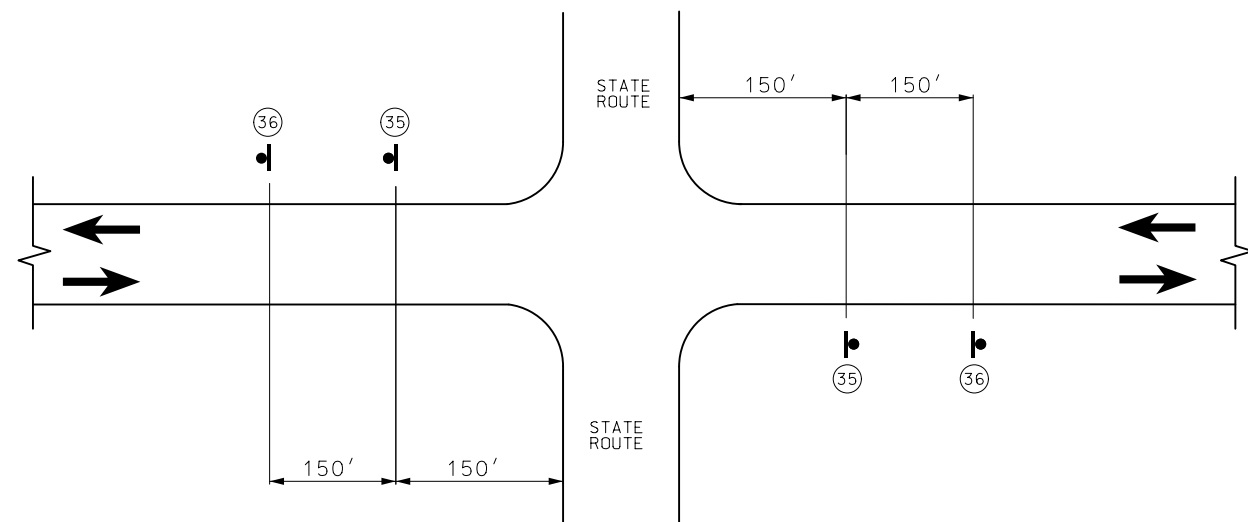
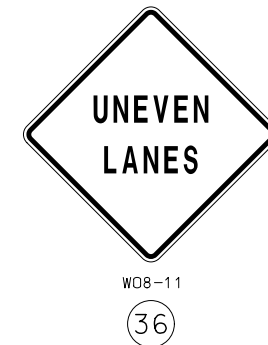
CONTRACT ID.

PROJECT NO.

BRIDGE NO.



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS
SHOWING TEMPORARY STRIPING FOR MAINLINE

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.

SEE STANDARD PLAN 620.10 FOR ALL TEMPORARY PAVEMENT MARKING.

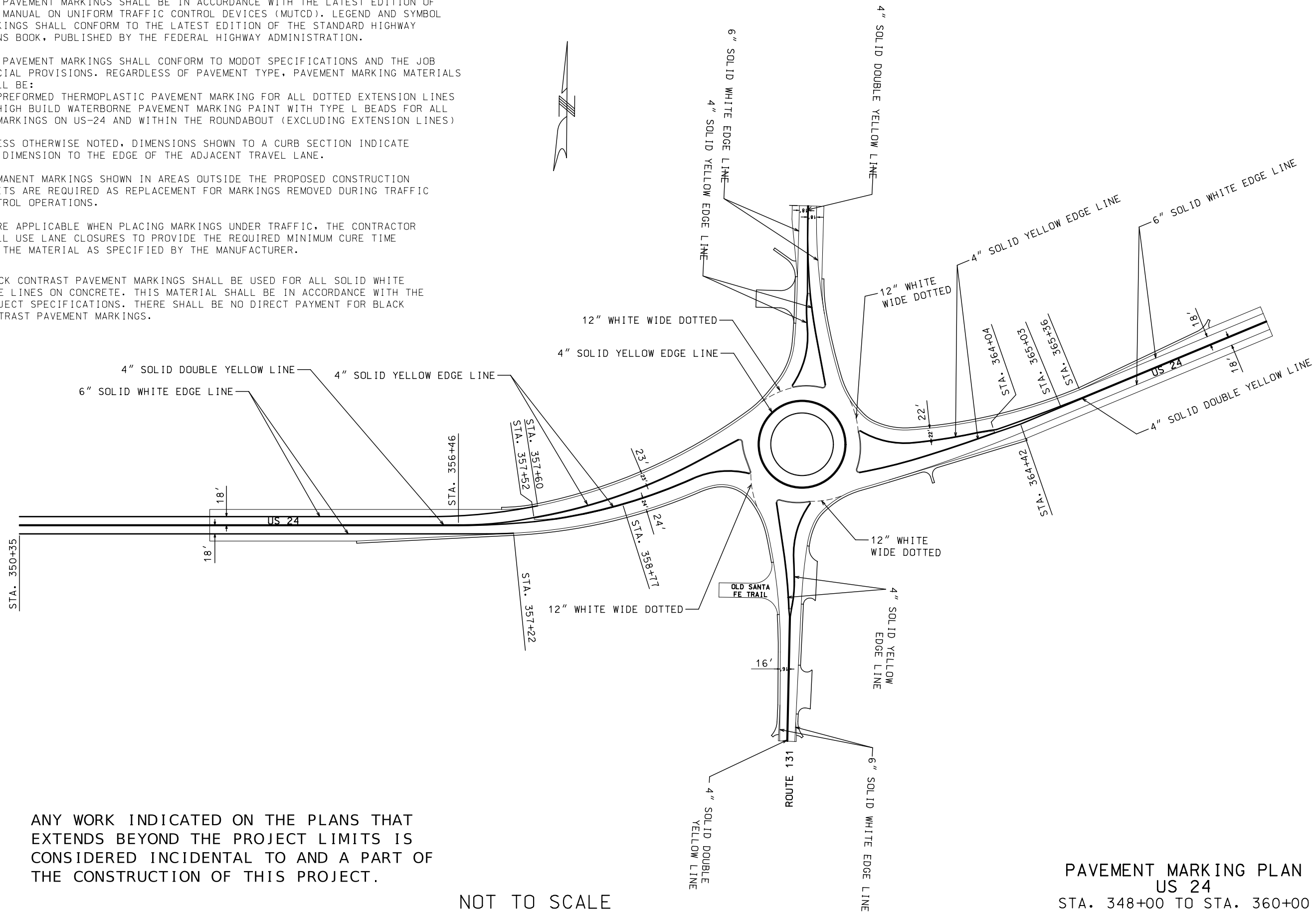
DESCRIPTION	DATE

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NOTES

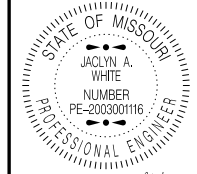
- ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LEGEND AND SYMBOL MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD HIGHWAY SIGNS BOOK, PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO MODOT SPECIFICATIONS AND THE JOB SPECIAL PROVISIONS. REGARDLESS OF PAVEMENT TYPE, PAVEMENT MARKING MATERIALS SHALL BE:
 - * PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR ALL DOTTED EXTENSION LINES
 - * HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT WITH TYPE L BEADS FOR ALL MARKINGS ON US-24 AND WITHIN THE ROUNDABOUT (EXCLUDING EXTENSION LINES)
- UNLESS OTHERWISE NOTED, DIMENSIONS SHOWN TO A CURB SECTION INDICATE THE DIMENSION TO THE EDGE OF THE ADJACENT TRAVEL LANE.
- PERMANENT MARKINGS SHOWN IN AREAS OUTSIDE THE PROPOSED CONSTRUCTION LIMITS ARE REQUIRED AS REPLACEMENT FOR MARKINGS REMOVED DURING TRAFFIC CONTROL OPERATIONS.
- WHERE APPLICABLE WHEN PLACING MARKINGS UNDER TRAFFIC, THE CONTRACTOR SHALL USE LANE CLOSURES TO PROVIDE THE REQUIRED MINIMUM CURE TIME FOR THE MATERIAL AS SPECIFIED BY THE MANUFACTURER.
- BLACK CONTRAST PAVEMENT MARKINGS SHALL BE USED FOR ALL SOLID WHITE LANE LINES ON CONCRETE. THIS MATERIAL SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THERE SHALL BE NO DIRECT PAYMENT FOR BLACK CONTRAST PAVEMENT MARKINGS.



ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

NOT TO SCALE

PAVEMENT MARKING PLAN
US 24
STA. 348+00 TO STA. 360+00



Jacquelyn A. White
01/08/2025 12:19:54 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
1/8/2025

ROUTE 24 STATE MO
DISTRICT KC SHEET NO. 20

COUNTY LAFAYETTE
JOB NO. JKR0249
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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