

DESIGN DESIGNATION

A.A.D.T. - (2024) = 8,040 - 20,890
A.A.D.T. - (2044) = 9,347 - 27,654
T = 9.45% - 18.35%
V = 45 - 65 M.P.H.
D = 50.2% - 18.35%

FUNCTIONAL CLASSIFICATION - PRINCIPAL ARTERIAL

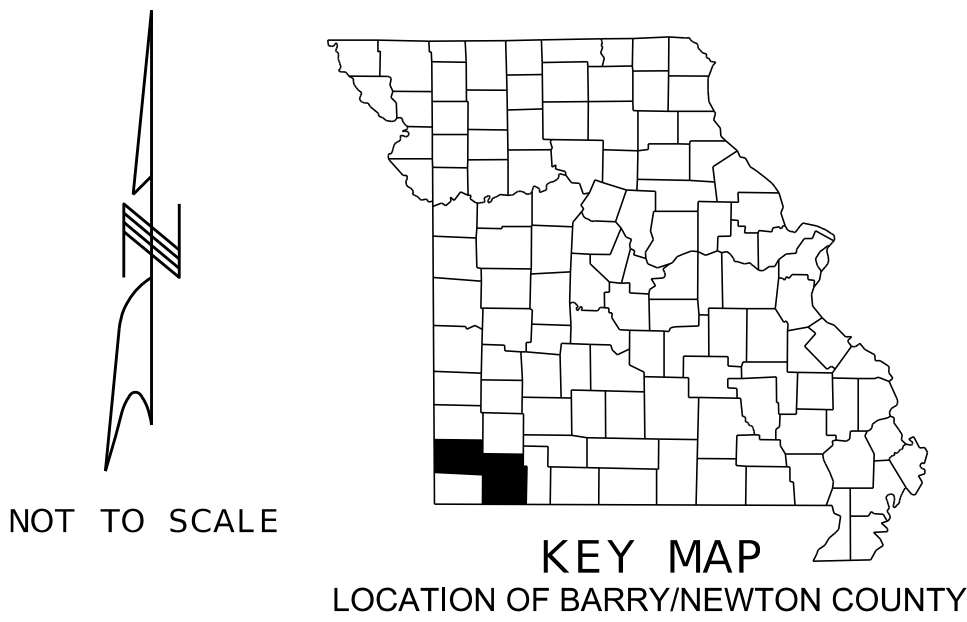
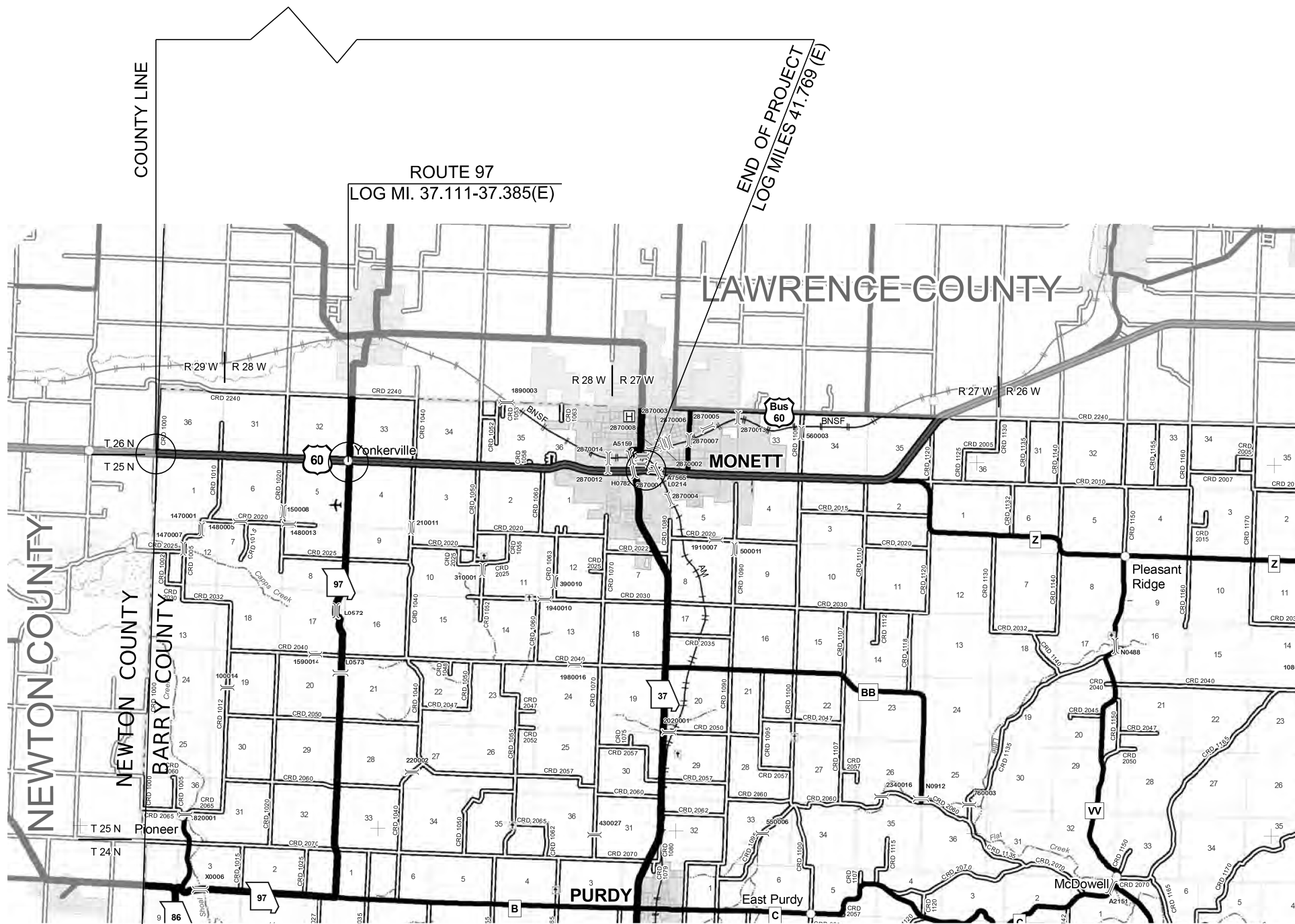
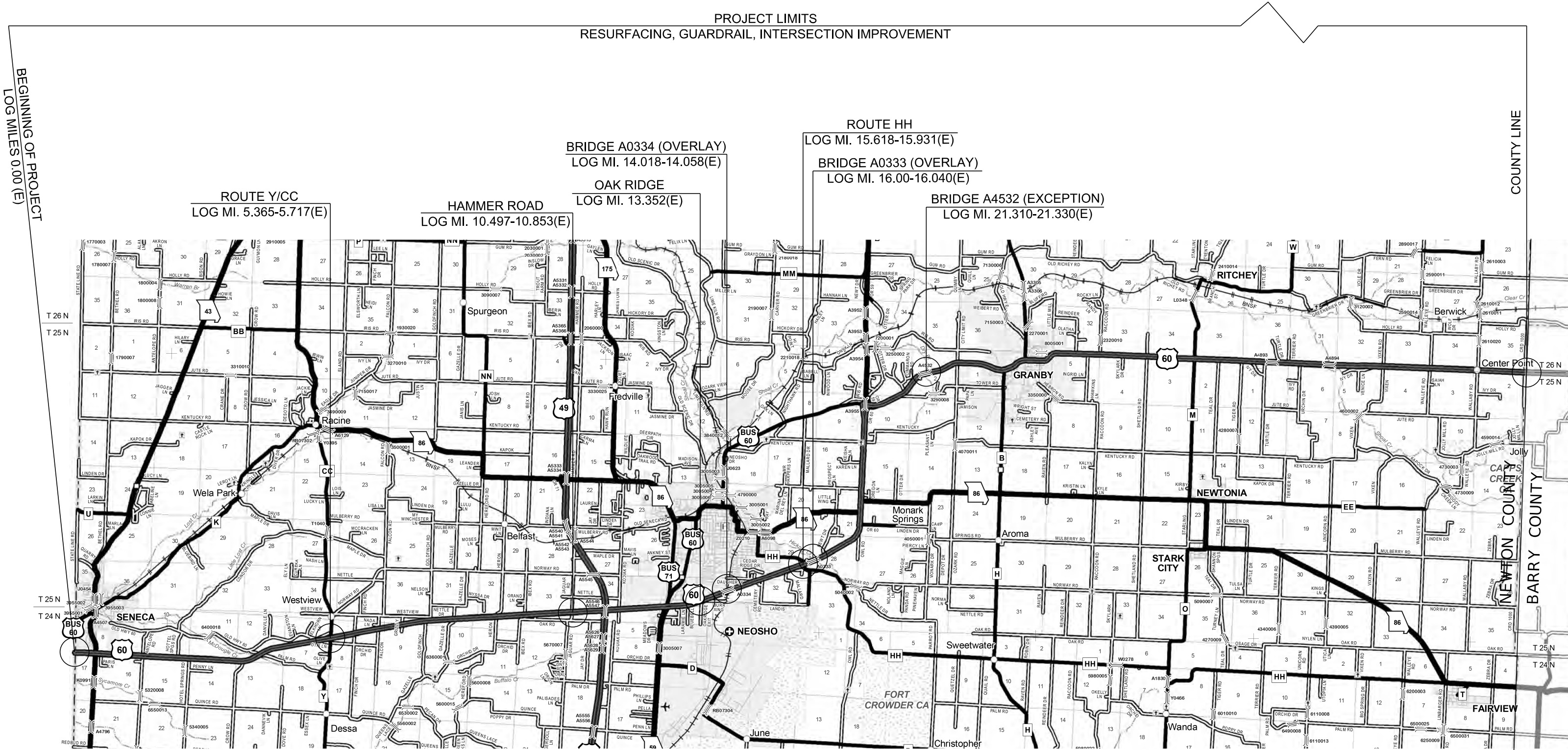
NO NEW RIGHT OF WAY REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
BARRY/NEWTON COUNTY



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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (10 SHEETS)-----	2
QUANTITIES (QU) (09 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4
REFERENCE POINTS (RP)-----	5
COORDINATE POINTS (CP)-----	6
SPECIAL SHEETS (SS)-----	7-17
TRAFFIC CONTROL SHEETS (TC)-----	18-30
EROSION CONTROL SHEETS (EC)-----	31
PAVEMENT MARKING (PM)-----	32-33

LENGTH OF PROJECT

BEGINNING OF PROJECT	EB LM 0.00
END OF PROJECT	EB LM 41.769
APPARENT LENGTH	220,540.32 FEET
EQUATIONS AND EXCEPTIONS:	
(Y/CC) EB LM 5.365-5.717	1858.56 FEET
(HAMMER) EB LM 10.497-10.853	1879.68 FEET
(HH RAB) EB LM 15.618-15.931	1652.64 FEET
(BR A4532) EB LM 21.310-21.330	105.6 FEET
(97 RAB) EB LM 37.111-37.385	1446.72 FEET

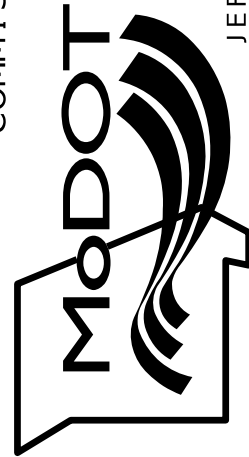
TOTAL CORRECTIONS	6,943.2 FEET
NET LENGTH OF PROJECT	213,597.12 FEET
STATE LENGTH	40.454 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0.01 ACRES

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com

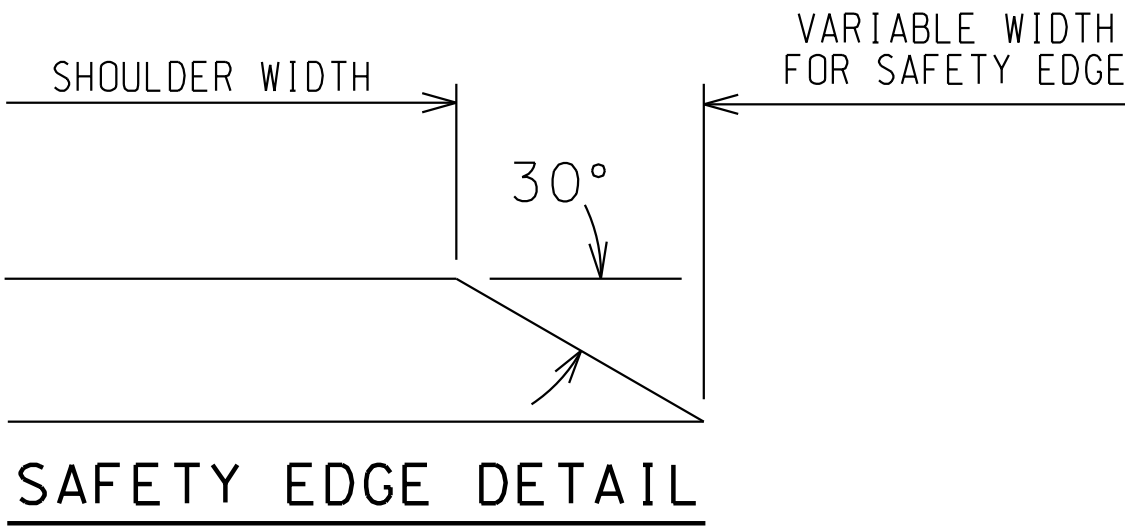
Missouri Dept. of
Transportation
Authority 202010300

TREKK
DESIGN GROUP, LLC

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

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TYPICAL SECTIONS
US 60

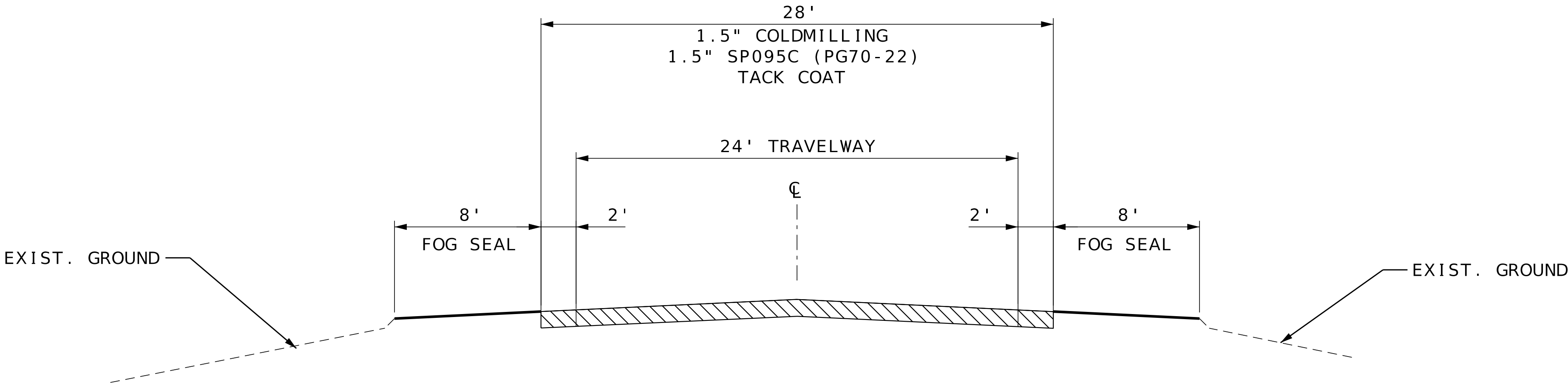


FOR INFORMATION ONLY

SP095C ESTIMATED AT 1.960 TONS/CY
SP095BSM ESTIMATED AT 1.990 TONS/CY
SP125C ESTIMATED AT 1.965 TONS/CY
TACK ESTIMATED AT 0.10 GALLONS/SY
FOG SEAL ESTIMATED AT 0.10 GALLONS/SY,DILUTED 50/50, PAY 0.20

SURFACE PLACEMENT-ONE PASS PER LANE
NO S.E. CORRECTION
ADD 75 TONS/MILE IRREGULARITIES

MILL AND FILL



TYPICAL SECTION - 2 LANE			
LOG MILE EB	LOG MILE EB	WIDTH (LF)	REMARKS
0.000	0.332	28	STATE LINE TO MO 43 RAB
0.502	5.365	28	MO 43 RAB TO WEST OF ROUTE Y/CC
5.717	10.497	28	BETWEEN Y/CC AND HAMMER ROAD
10.853	11.238	28	HAMMER ROAD TO WEST OF I-49 INTERCHANGE
12.817	12.881	28	
13.141	13.361	28	
13.831	14.018	28	
14.058	14.719	28	
14.959	15.618	28	
15.931	16.000	28	
16.040	17.721	28	
17.941	19.423	28	
961	FT	28	CONTINUE TO BRIDGE A3955
715	FT	28	LANES UNDER 59 (SEE SPECIAL SHEET)
19.843	21.310	28	
21.330	23.515	28	
23.855	26.482	28	9' SHOULDERS
31.238	37.111	28	8' SHOULDERS
37.385	40.219	28	8' SHOULDERS

NOTE:

NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL COLDMILING
(UP TO 3") REQUIRED TO REMOVE ENTIRE TOP LIFT DUE TO DELAMINATION.
THIS APPLIES TO ENTIRE PROJECT LIMITS.

DATE PREPARED
9/5/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

STATE
MO

SHEET NO.
2

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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1411 East 104th St.
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Missouri Dept. of
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Authority 202610300

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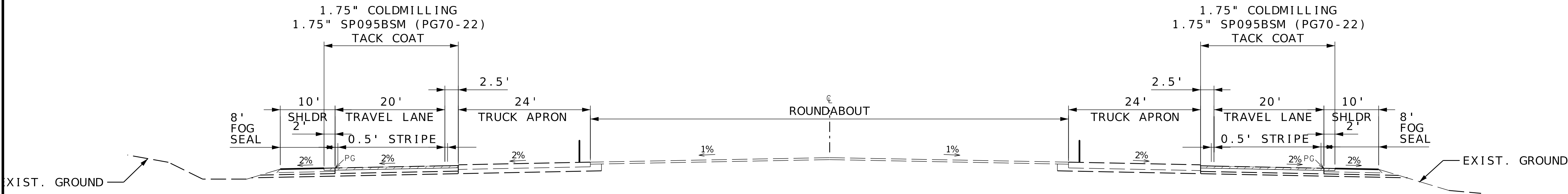
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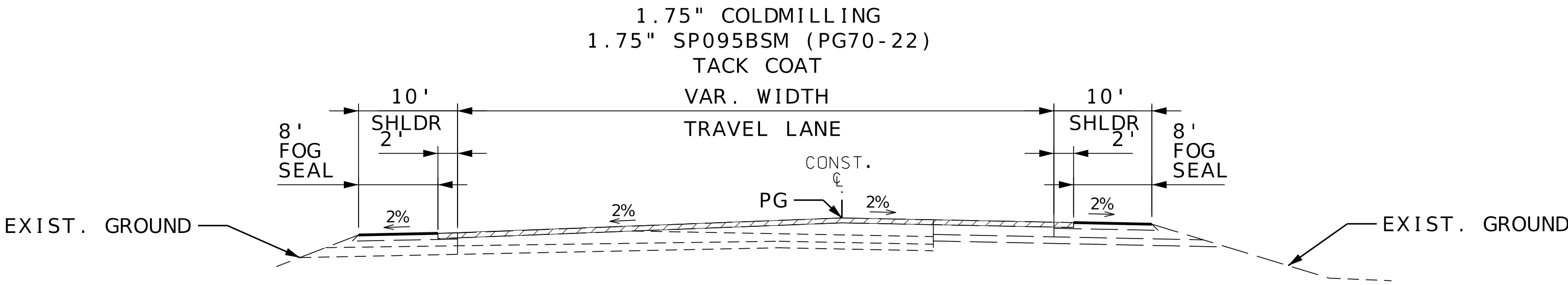
TYPICAL SECTION			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
0.332	0.502	40	MO 43 ROUNDABOUT

SURFACE PLACEMENT-ONE PASS PER LANE
NO S.E. CORRECTION
ADD 75 TONS/MILE IRREGULARITIES

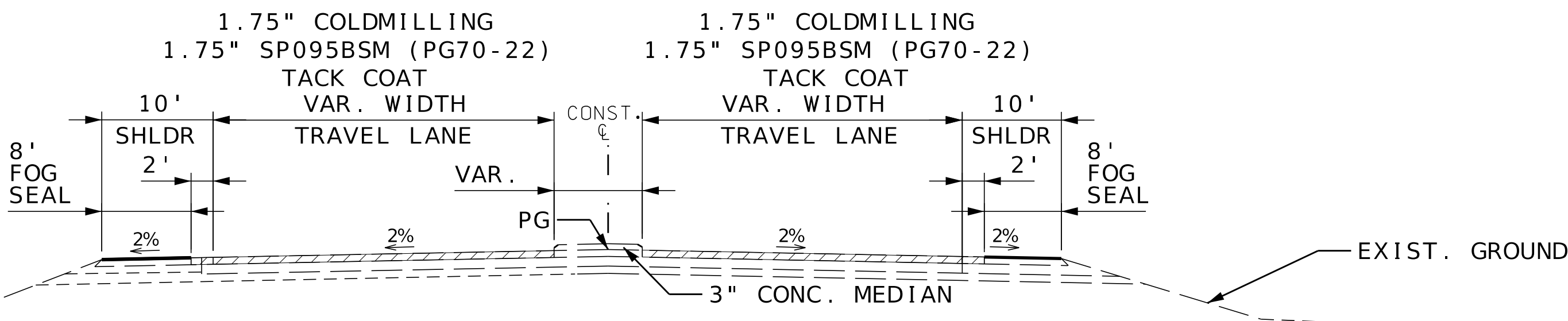
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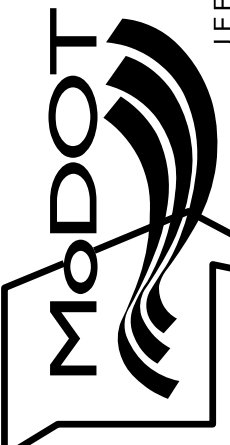
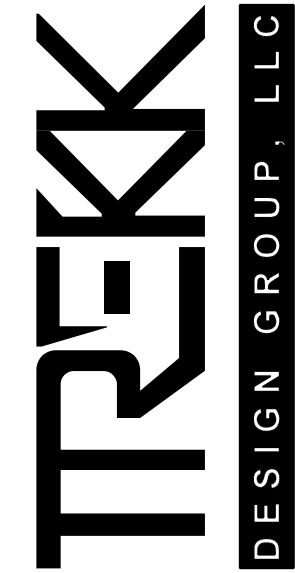
TYPICAL SECTION
ROUTE 60 & 43 RAB



TYPICAL SECTION
ROUTE 60 TAPER INTO RAB



TYPICAL SECTION
ROUTE 60 ISLAND

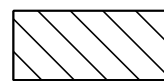
DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
1411 East 104th St. Kansas City, MO 64131 Tel (816) 874-4655 Fax (816) 874-6075 www.trekdesigngroup.com	
Missouri Dept. of Transportation Authority 202610300	
	

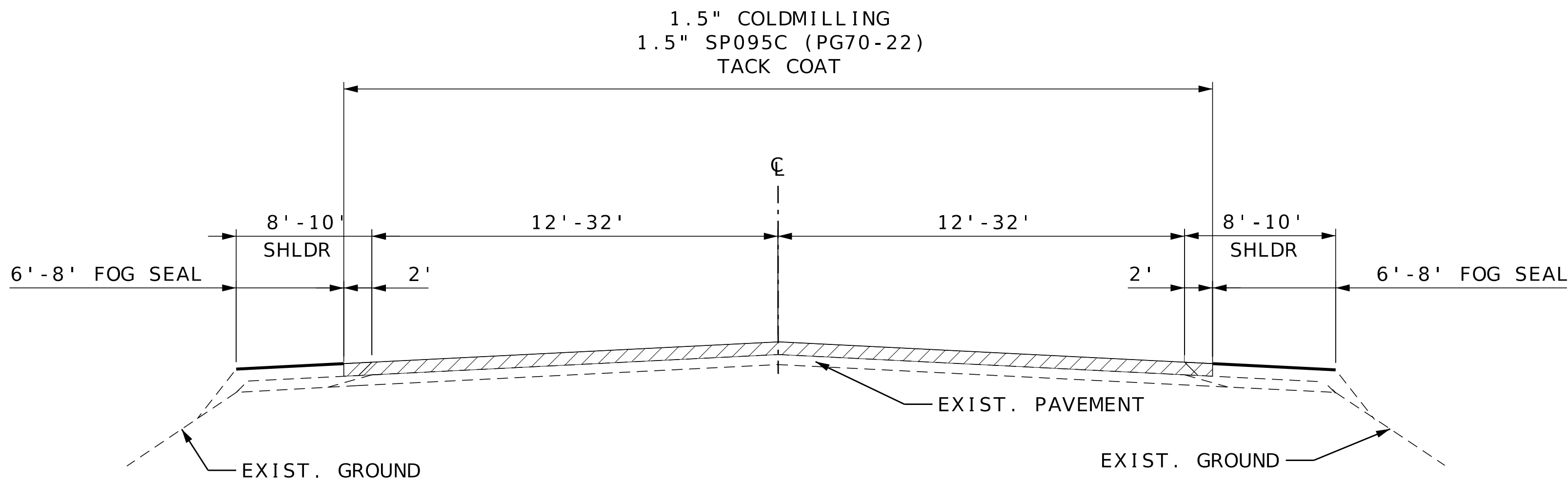
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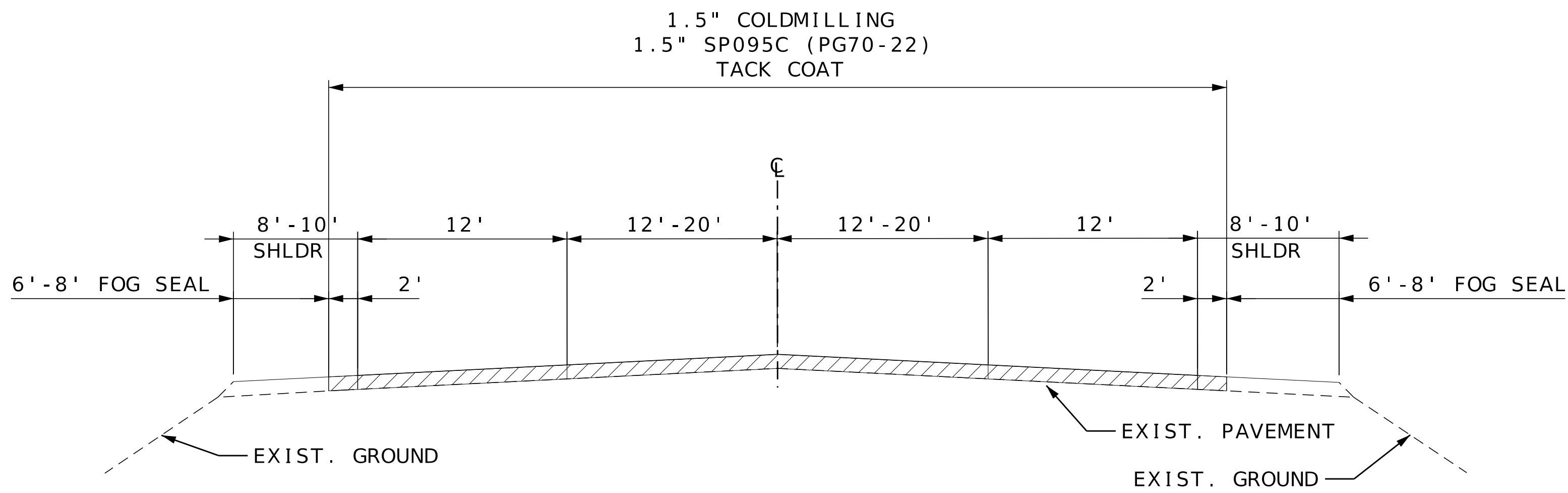
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FOG SEAL ESTIMATED AT 0.10 GALLONS/SY,DILUTED 50/50, PAY 0.20

SURFACE PLACEMENT-ONE PASS PER LANE
NO S.E. CORRECTION
ADD 75 TONS/MILE IRREGULARITIES

 MILL AND FILL



TYPICAL SECTION WEST OF I-49 INTERCHANGE TAPER			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
11.238	11.289	28-64	TAPER



TYPICAL SECTION I-49 INTERCHANGE			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
11.289	11.338	62	
11.338	11.438	64	OMIT CONCRETE SHOULDERS
11.438	11.479	62	
11.479	11.528	64-54	OMIT CONCRETE SHOULDERS
11.528	11.547	54	

TYPICAL SECTIONS
SHEET 3 OF 10

DATE PREPARED
8/8/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

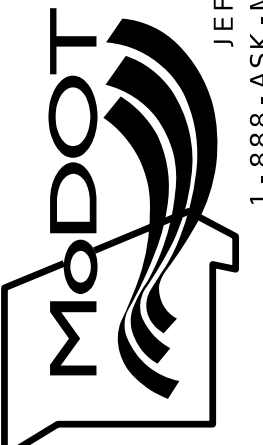
STATE
MO

SHEET NO.
2

DESCRIPTION

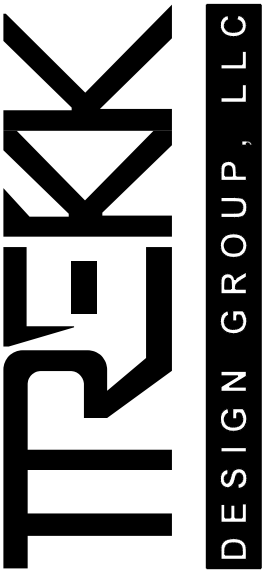
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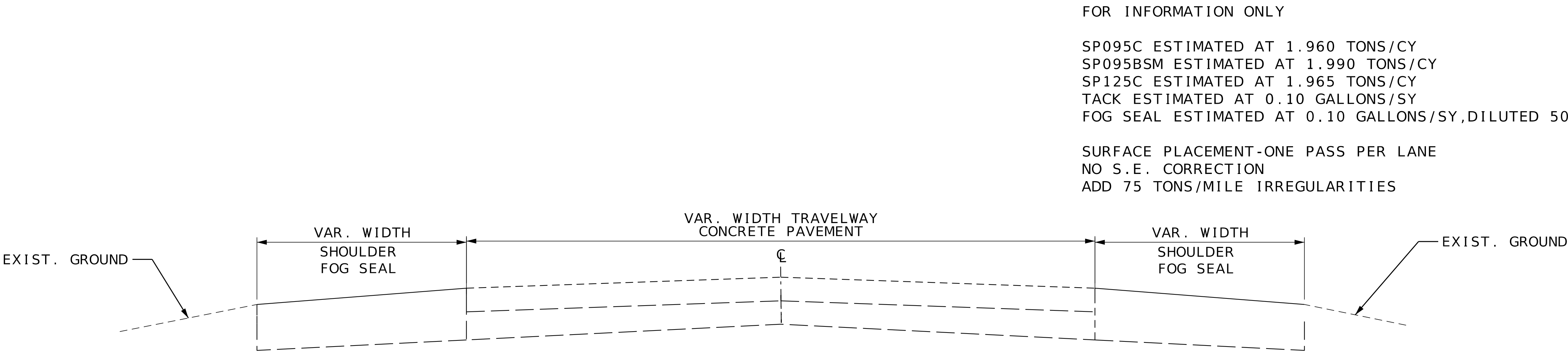
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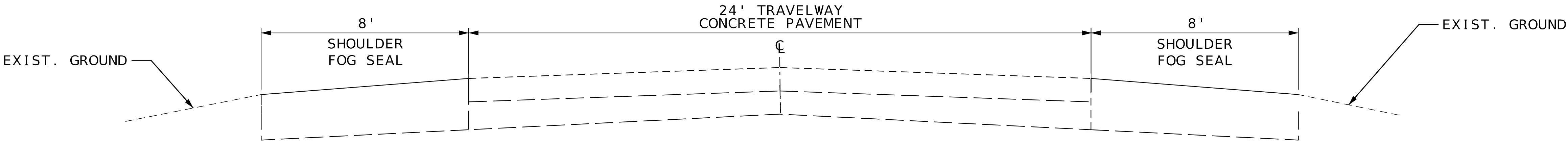


Missouri Dept. of
Transportation
Authority 202010300

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TYPICAL SECTION CONCRETE SECTIONS - FOG SEAL SHOULDERS			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
11.547	11.678	5	KODIAK ROAD OVERLAY EXCEPTION
11.778	12.000	5	KODIAK ROAD OVERLAY EXCEPTION
12.278	12.396	10	LUSK ROAD OVERLAY EXCEPTION
12.577	12.679	5	LUSK ROAD OVERLAY EXCEPTION



TYPICAL SECTION CONCRETE SECTIONS - FOG SEAL SHOULDERS			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
26.482	28.888	8	SHOULDER WIDTH
28.888	28.938	VAR	BRIDGE A4893 EXCEPTION
28.938	30.068	8	SHOULDER WIDTH
30.068	30.189	VAR	BRIDGE A4894 EXCEPTION
30.189	31.238	8	SHOULDER WIDTH

DATE PREPARED
8/8/2025

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PROJECT NO.

BRIDGE NO.

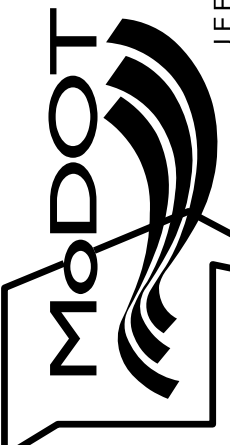
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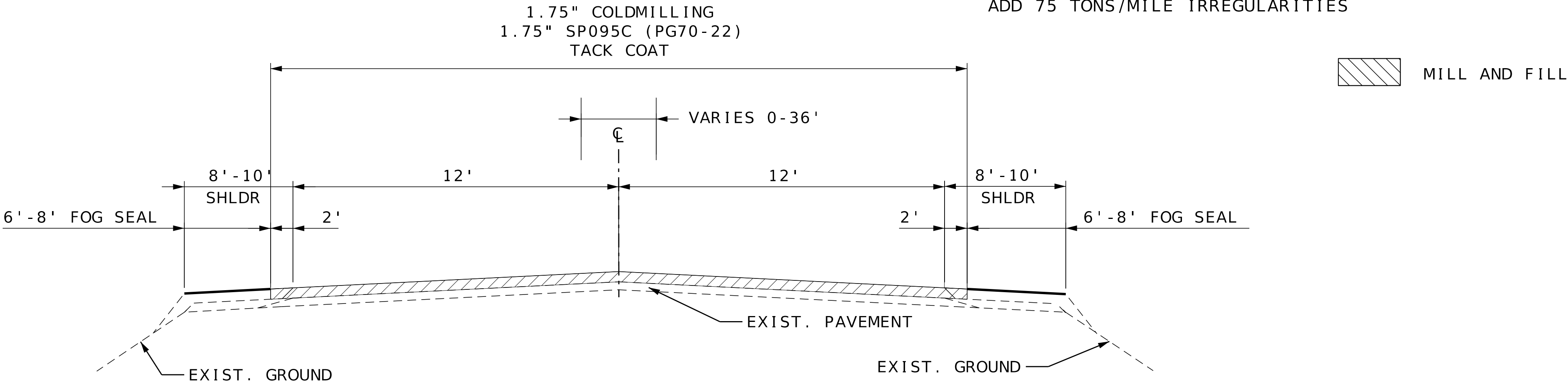
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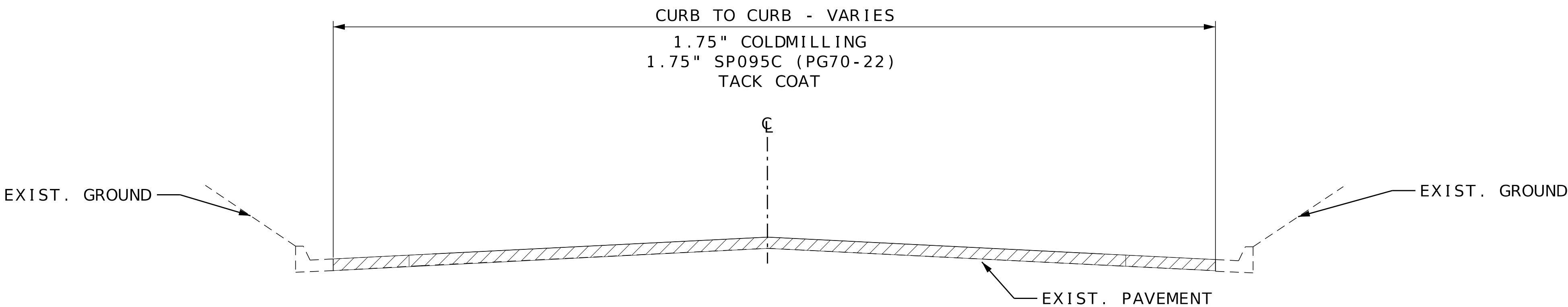
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SURFACE PLACEMENT-ONE PASS PER LANE
NO S.E. CORRECTION
ADD 75 TONS/MILE IRREGULARITIES



TYPICAL SECTION			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
12.000	12.278	VAR.	BETWEEN CONCRETE SECTIONS-ADAMS DRIVE
12.679	12.817	VAR.	RT 59 AND 60 INTERSECTION
13.361	13.401		TO EAST OF OAK RIDGE
13.401	13.801	VAR.	OAK RIDGE THRU HIGH STREET (SHOULDER EXCEPTION)
13.801	13.831	VAR.	TO EAST OF HIGH STREET



TYPICAL SECTION - CURB			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
23.515	23.595	40	GRANBY CURB TO CURB
23.595	23.855	34	EAST OF ROUTE E TO EAST OF GROVE STREET-GRANBY CURB TO CURB

TYPICAL SECTIONS
SHEET 5 OF 10

DATE PREPARED
8/8/2025

ROUTE
60

DISTRICT
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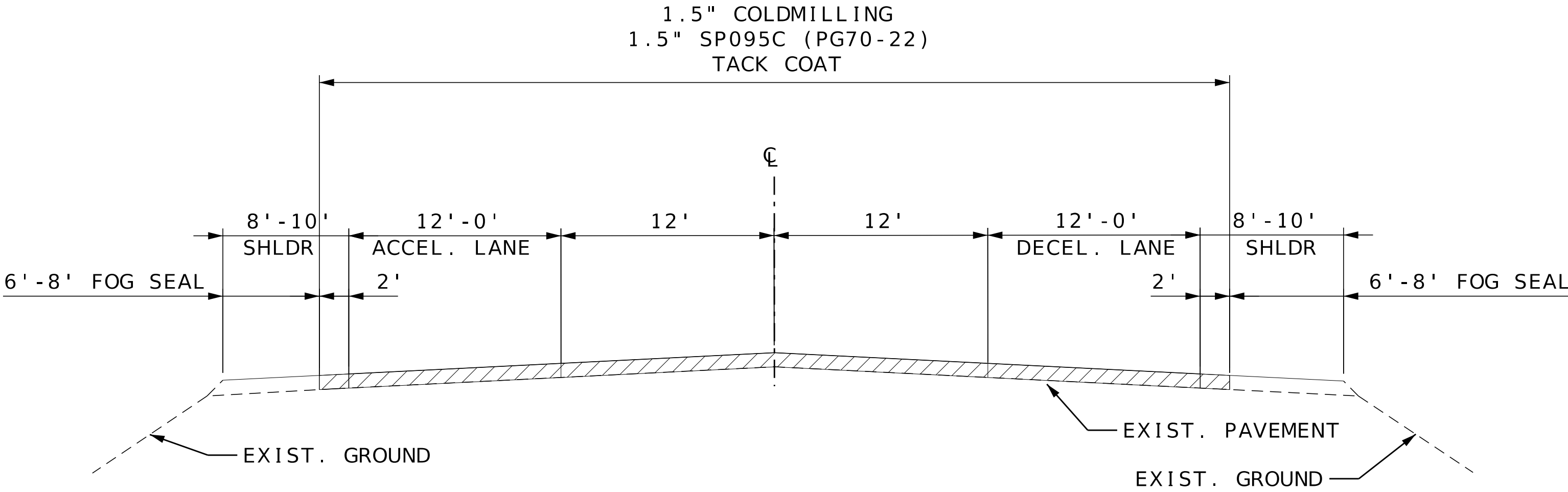
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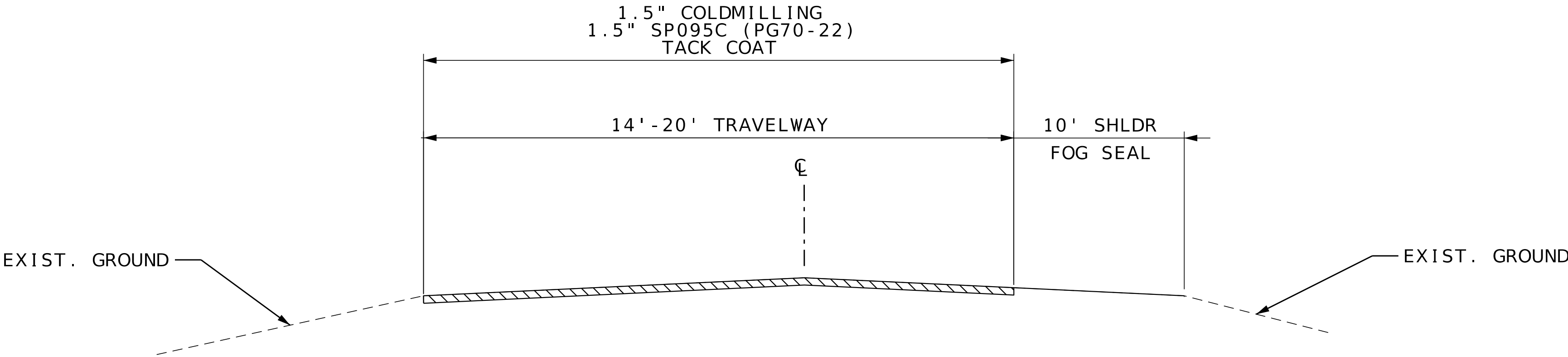
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MILL AND FILL

TYPICAL SECTION US 60 AND RT 59 INTERCHANGE			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
19.423	19.463	VAR	TRAVEL WAY AND ACCEL/DEL LANES
19.463	19.643	VAR	TRAVEL WAY AND ACCEL/DEL LANES



TYPICAL SECTION US 60 AND RT 59 INTERCHANGE			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
19.643	19.843	VAR	NB EXIT RAMP
VAR	VAR	VAR	EXIT AND ENTRANCE RAMPS (SEE SPECIAL SHEET)

TYPICAL SECTIONS
SHEET 6 OF 10

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DISTRICT
SW

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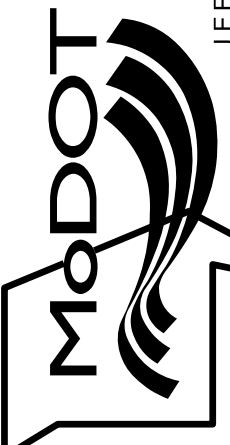
STATE
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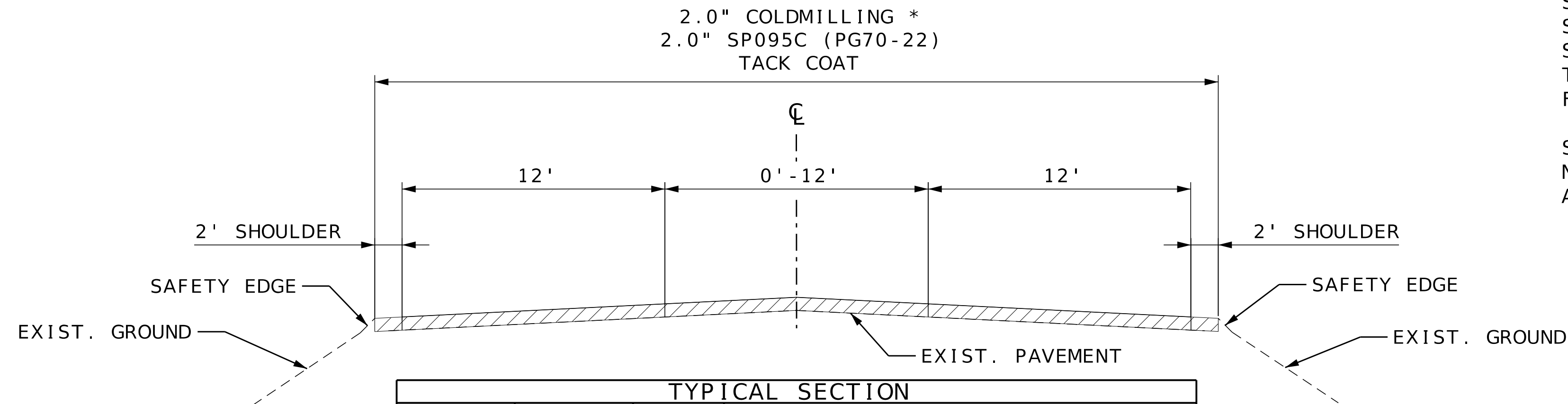
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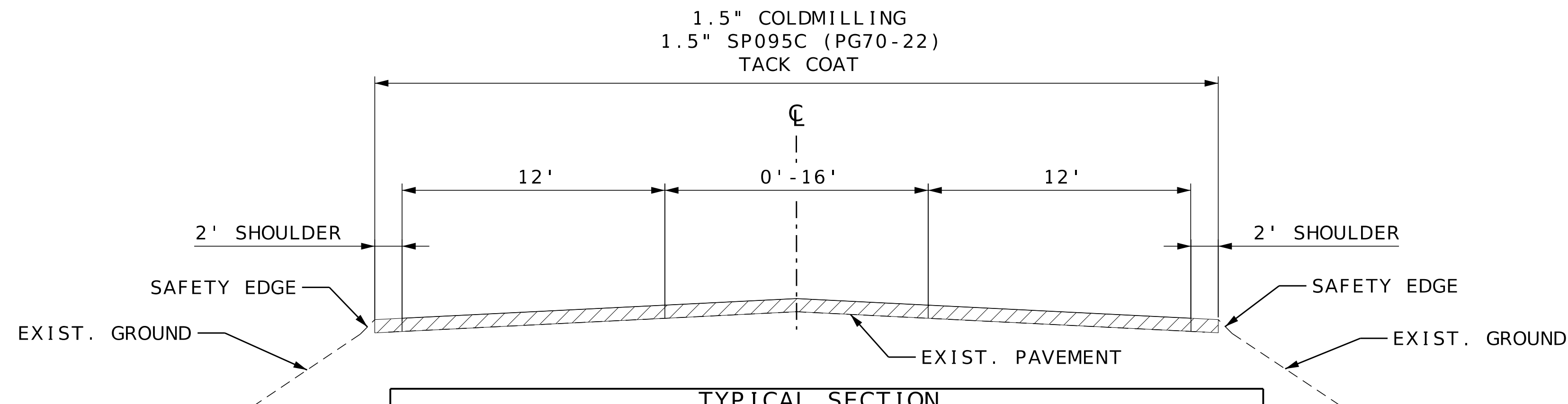
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Authority 202410300

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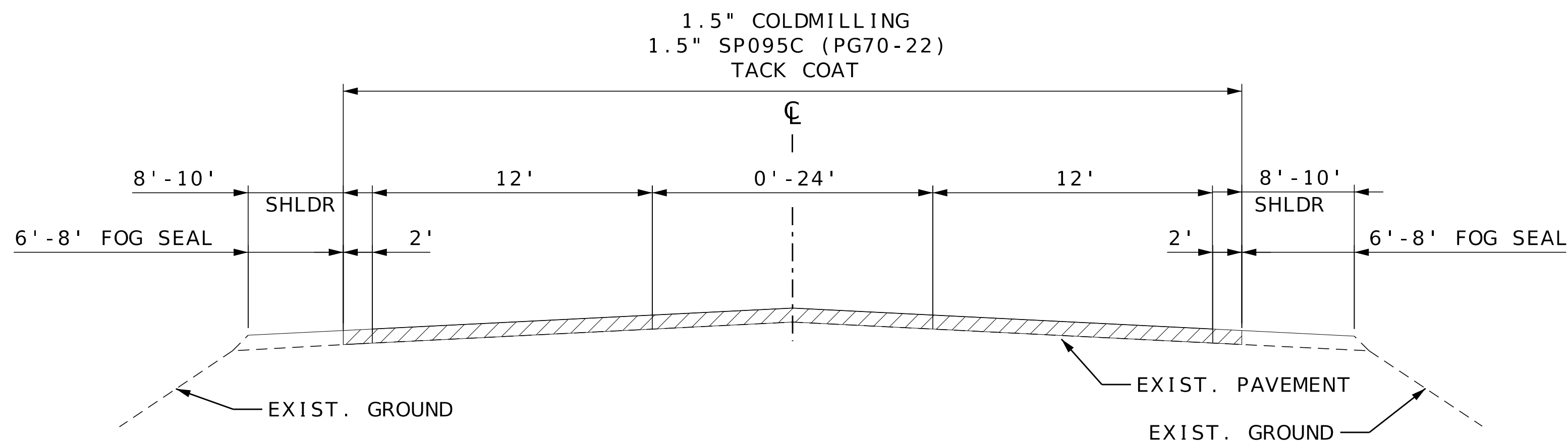


TYPICAL SECTION			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
14.018	14.058	32	BRIDGE A0334 *
16.000	16.040	32	BRIDGE A0333 *
40.219	40.276	28-40	TAPER FARM ROAD 1060 (SEE SPECIAL SHEET)
40.276	40.780	40	FARM ROAD 1060 (SEE SPECIAL SHEET)

* REMOVAL CONCRETE WEARING SURFACE



TYPICAL SECTION			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
14.779	14.889	44-28	CEMETERY ROAD (EOS TO EOS)
17.782	17.881	40	RT 86 EAST (EOS TO EOS)

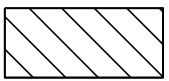


TYPICAL SECTION			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
12.881	12.961	28-52	TAPER
13.060	13.141	52-28	TAPER

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 NO S.E. CORRECTION
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 MILL AND FILL

TYPICAL SECTIONS
 SHEET 7 OF 10

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9/5/2025

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COUNTY
BARRY/NEWTON

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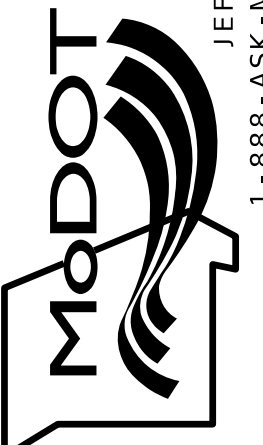
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SHEET NO.
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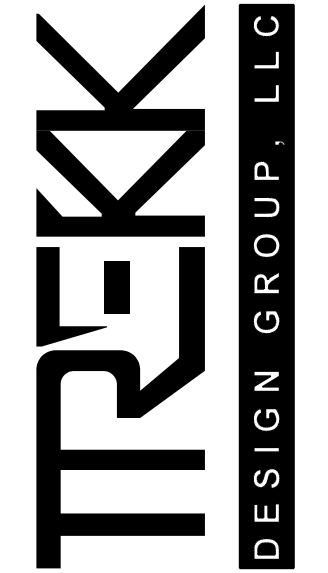
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Transportation
Authority 202610300

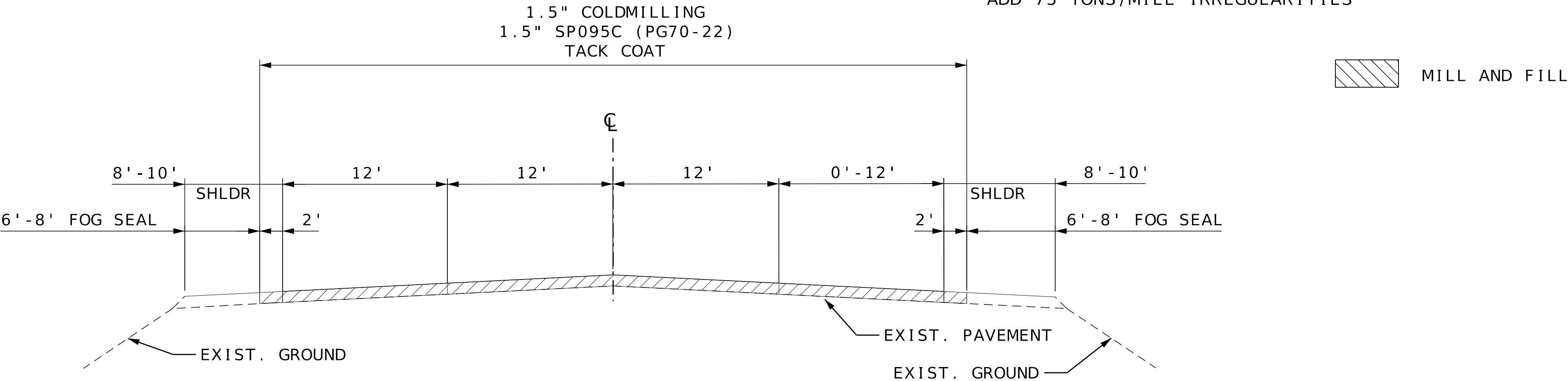


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

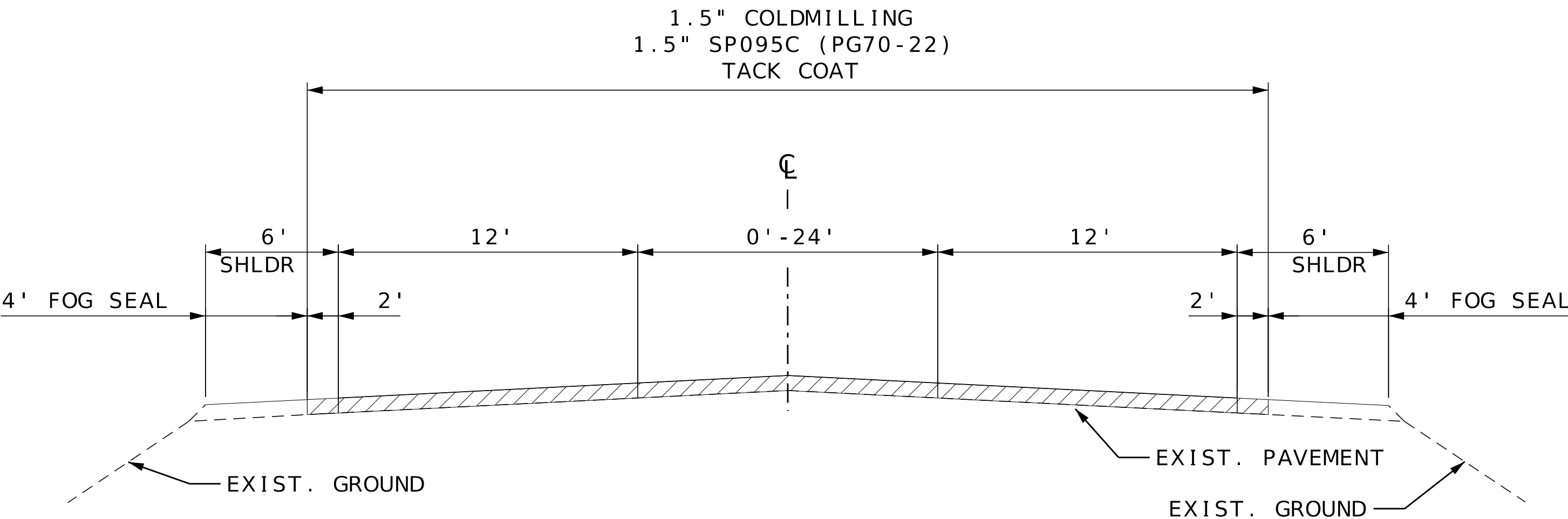
FOR INFORMATION ONLY

SP095C ESTIMATED AT 1.960 TONS/CY
SP095BSM ESTIMATED AT 1.990 TONS/CY
SP125C ESTIMATED AT 1.965 TONS/CY
TACK ESTIMATED AT 0.10 GALLONS/SY
FOG SEAL ESTIMATED AT 0.10 GALLONS/SY,DILUTED 50/50, PAY 0.20

SURFACE PLACEMENT-ONE PASS PER LANE
NO S.E. CORRECTION
ADD 75 TONS/MILE IRREGULARITIES



TYPICAL SECTION			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
12.961	13.060	52	LARAMIE LANE
40.780	41.257	40	FR 1060 TO EISENHOWER ST
41.257	41.270	52	EISENHOWER APPROACH
41.350	41.637	40	EISENHOWER TO WEST OF MO 37



TYPICAL SECTION			
LOG MILE	LOG MILE	WIDTH (LF)	REMARKS
14.719	14.779	28-44	TAPER
14.889	14.959	44-28	TAPER
17.721	17.782	28-40	TAPER
17.881	17.941	40-28	TAPER
41.270	41.350	VAR	EISENHOWER INTERSECTION

TYPICAL SECTIONS
SHEET 8 OF 10

DATE PREPARED
8/8/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

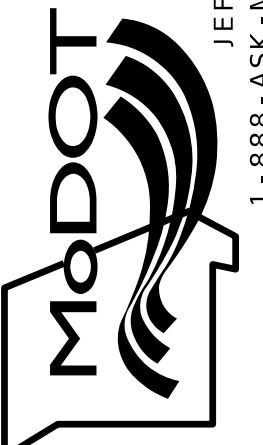
STATE
MO

SHEET NO.
2

DESCRIPTION

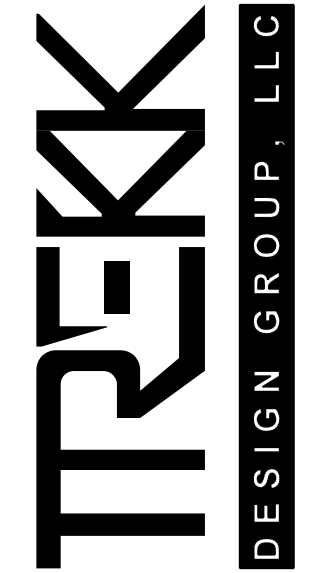
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 674-4655
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Miscellaneous
Authority 202610300

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SP095C ESTIMATED AT 1.960 TONS/CY
SP095BSM ESTIMATED AT 1.990 TONS/CY
SP125C ESTIMATED AT 1.965 TONS/CY
SP250C ESTIMATED AT 2.010 TONS/CY

SURFACE PLACEMENT-ONE PASS PER LANE
NO S.E. CORRECTION
ADD 75 TONS/MILE IRREGULARITIES

[illegible]

4.0" COLDMILLING
4.0" SP125C (PG70-22)
TACK COAT

2' - 10' SHLDR 12' - 24' 12' 12' 12' - 24' SHLDR 4' - 10'

FOG SEAL 2' 2' FOG SEAL

EXIST. GROUND TO BE PLACED IN 2-2" LIFTS EXIST. PAVEMENT EXIST. GROUND

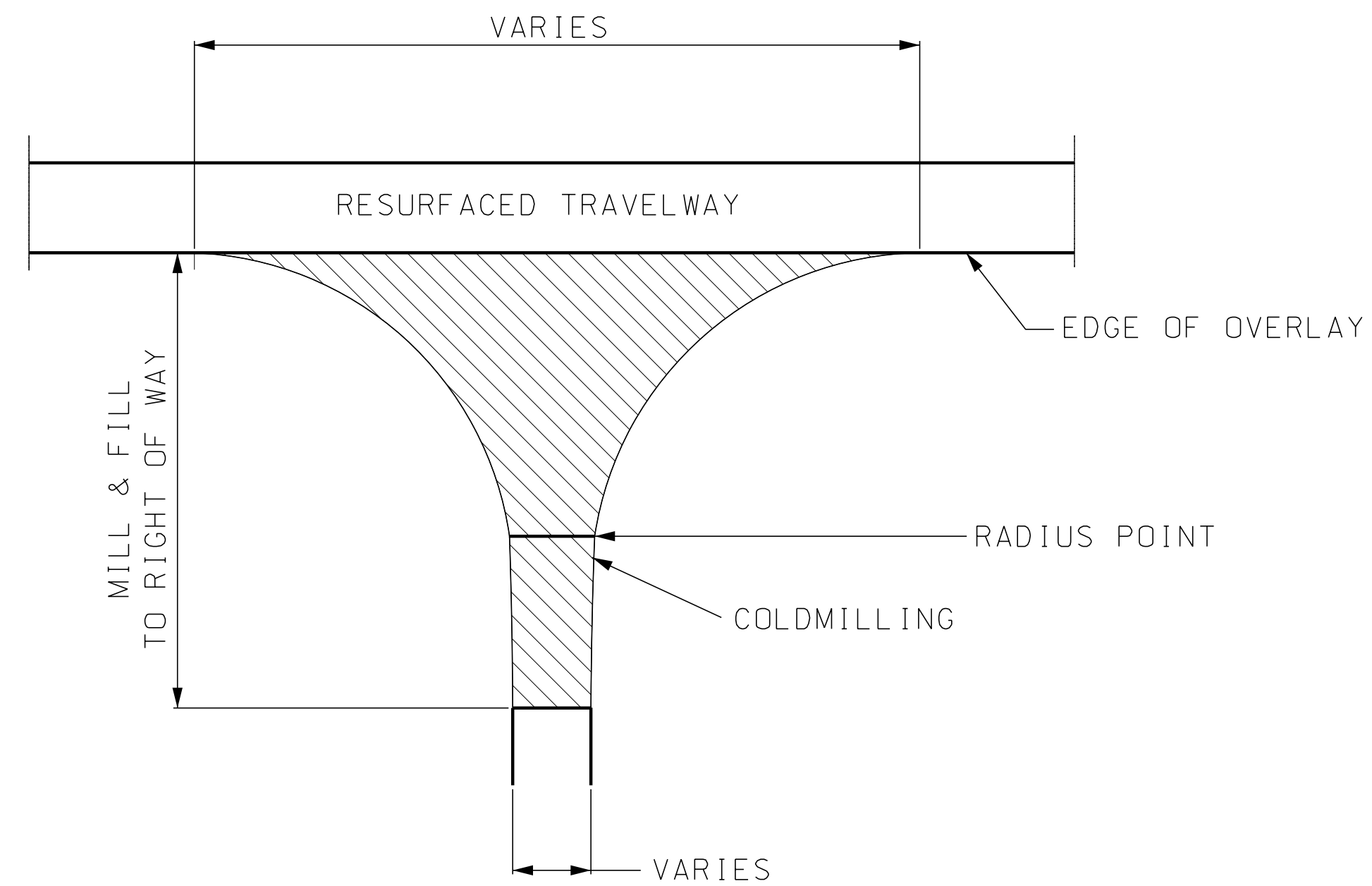
EXIST. PAV'T

REMOVE EXIST. ISLAND

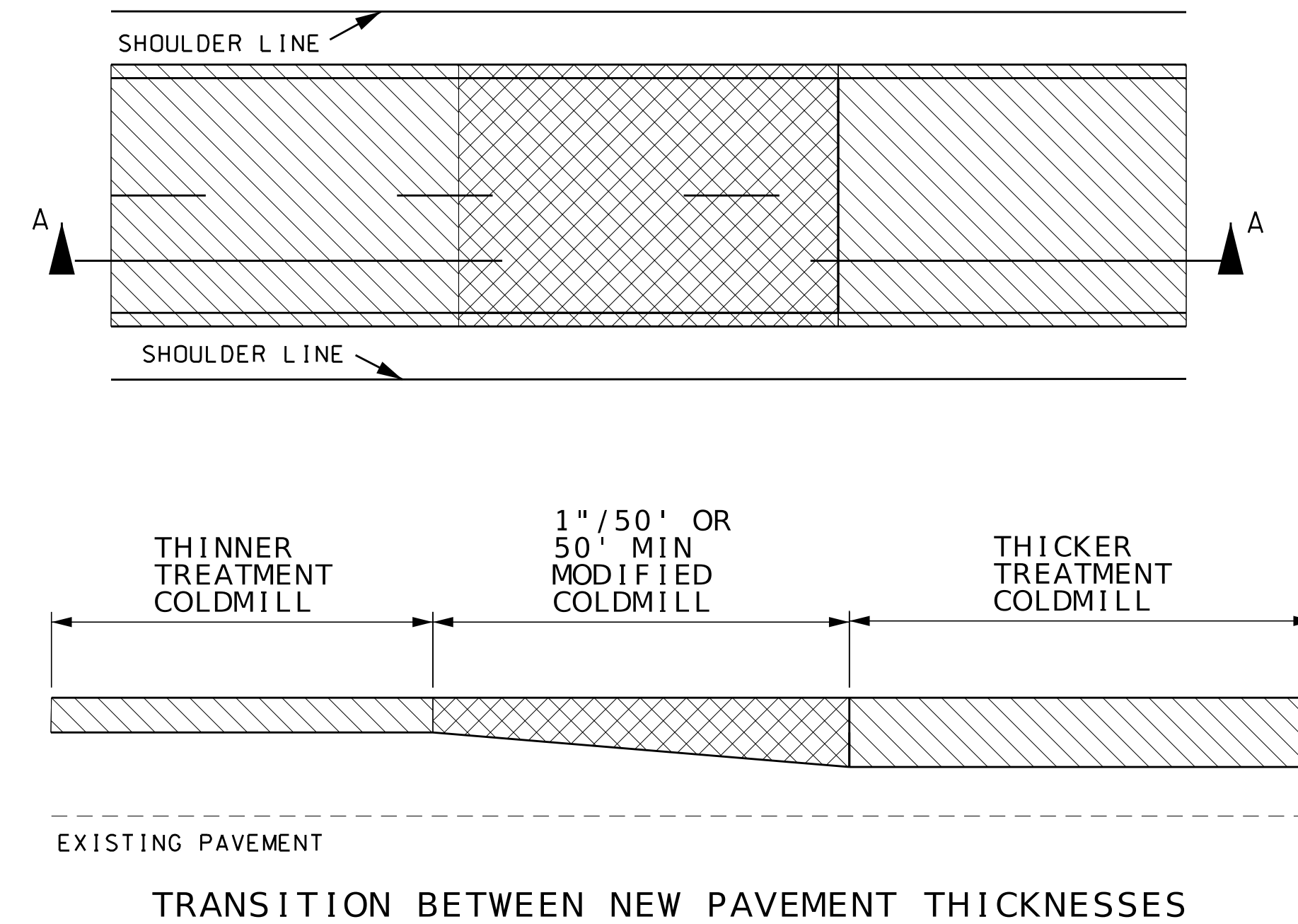
EXIST. PAV'T

PLACE 8" CONCRETE MEDIAN STRIP
SEE STANDARD PLAN 608.30
FOR CONCRETE MEDIAN STRIP

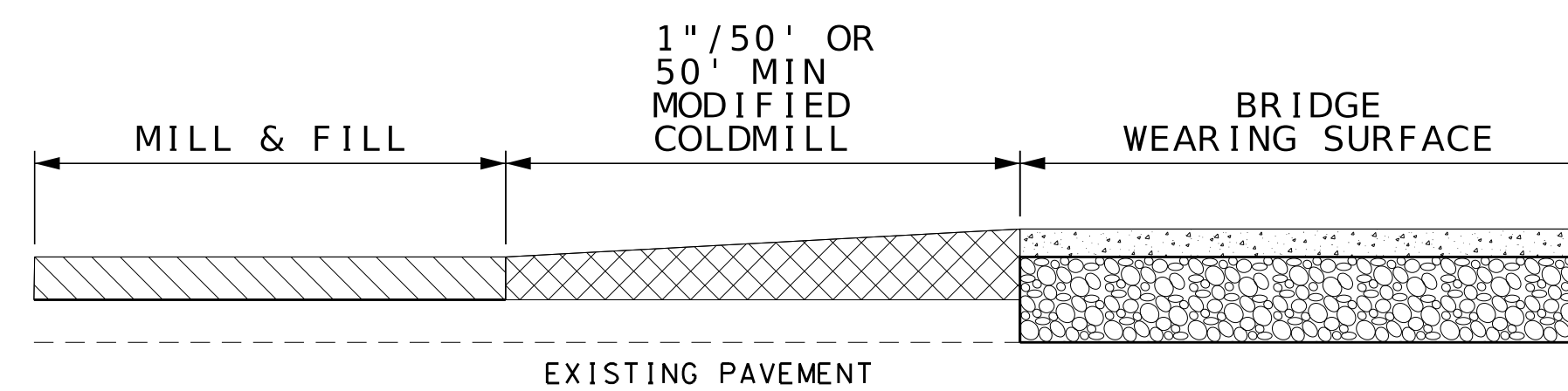
TYPICAL SECTIONS
SHEET 9 OF 10



OVERLAY AT SIDEROADS/CITY STREET

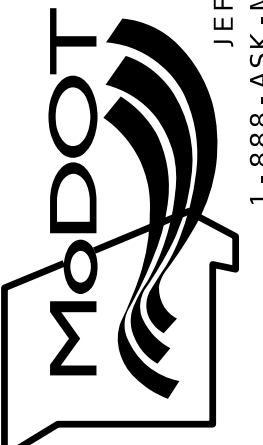


TRANSITION BETWEEN NEW PAVEMENT THICKNESSES



TRANSITION AT BRIDGE ENDS WITH WEARING SURFACE

TYPICAL SECTIONS
SHEET 10 OF 10

DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
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Missouri Dept. of Transportation Authority 202510300	
TREKK DESIGN GROUP, LLC	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

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MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING & STAKING
1 LUMP SUM

SIGNET DBE REPORTING
1 LUMP SUM

REMOVAL OF IMPROVEMENTS				
LOCATION	DESCRIPTION	AMOUNT	UNITS	REMARKS
VARIOUS	GUARDRAIL CET	74	EA	SEE GUARDRAIL QUANTITIES
VARIOUS	GUARDRAIL	3375	LF	SEE GUARDRAIL QUANTITIES
VARIOUS	GUARDRAIL BRIDGE TRANSITION	10	EA	SEE GUARDRAIL QUANTITIES
US 60 AND 37 INTERSECTION	SHOULDER REMOVAL	763.8	SY	
US 60 AND 37 INTERSECTION	ISLAND REMOVAL	830	SY	
US 60 AND 37 INTERSECTION	SAW CUT	190	LF	ISLANDS AND SHOULDER
US 60 AND 37 INTERSECTION	PULLBOX	2	EA	ISLANDS NORTH SIDE
I-49 INTERCHANGE	DELINEATOR	5	EA	
NEWTONIA BRANCH BRIDGE	OM3 SIGNS	2	EA	
SHOAL CREEK BRIDGE	OM3 SIGNS	2	EA	
TOTAL		1 LUMP SUM		

US 60 AND ROUTE 37 INTERSECTION									
LOCATION	AREA	SP250C (PG70-22) 4"	TACK COAT (0.1 GAL/SY)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SY)	8 IN. CONCRETE MEDIAN STRIP (SY)	LINEAR GRADING CLASS 1 (STA)	PAVEMENT EDGE TREATMENT (LF)	SAW CUT (LF)	REMARKS
	(SF)	(TON)	(GAL)						
NW ISLAND	309.7				34.4			81	
NE ISLAND	223.8				24.9			78	
NE SHOULDER	763.8	19.0	8	112		1.6	160	160	SEE RESURFACING QUANTITIES FOR WEARING SURFACE
NW SHOULDER	1256.1	31.2	14	171		1.9	190	190	SEE RESURFACING QUANTITIES FOR WEARING SURFACE
SUB TOTAL		50.2	22	283	59.3	3.5	350	509.0	
SUB TOTAL						2.7			FROM ROCK BLANKET
TOTAL		50.2	SEE RESURFACING	283	59.3	6.2	350	SEE ROI	

BITUMINOUS RUMBLE STRIPS								
LOG MILE	LOG MILE	LENGTH	EDGLELINE	CENTERLINE	ENTRANCE/SIDEROAD EXCEPTIONS		TRANSVERSE RUMBLE STRIP (25'X10') (LF)	REMARKS
					ENTRANCE EDGLELINE	CENTERLINE		
EB	EB	(LF)	(STA)	(STA)	(STA)	(STA)	(LF)	
0.000	0.332	1752.96	35.1	17.5			25	
0.332	0.502	897.60						EXCEPTION - RT 43 RAB
0.502	11.238	56686.08	1133.7	566.9	76.6		25	RAB TO W/O I-49 INTERCHANGE
11.238	12.679	7608.48						EXCEPTION - I-49 INTERCHANGE THRU CONCRETE SECTION
12.679	14.078	7386.72						EXCEPTION - LESS THAN 50 MPH
14.078	15.618	8131.20	162.6	81.3	12.0	25.5		CENTERLINE RUMBLE INCLUDES 2 CROSS ROADS WITH TURN LANES
15.618	15.931	1652.64						EXCEPTION - RT HH RAB
15.931	16.000	364.32	7.3	3.6				BETWEEN RAB AND BRIDGE
16.000	16.040	211.20						EXCEPTION - BRIDGE A0333
16.040	19.643	19023.84	380.5	190.2	38.0	11.7		TO ROUTE 59 INTERCHANGE
		961.00	19.2	9.6				CONTINUE TO BRIDGE A3955
19.843	21.310	7745.76	154.9	77.5	58.0			
21.310	21.330	105.60						EXCEPTON - BRIDGE A4532
21.330	22.471	6024.48	120.5	60.2	24.0			
22.471	24.295	9630.72						EXCEPTION - LESS THAN 50 MPH
24.295	26.482	11547.36	230.9	115.5	68.0			
26.482	31.238	25111.68						EXCEPTION - CONCRETE SECTION
31.238	37.111	31009.44	620.2	310.1	141.4			CONCRETE SECTION TO ROUTE 97 RAB
37.111	37.385	1446.72					25	EXCEPTION - ROUTE 97 RAB
37.385	40.219	14963.52			86.0			END RUMBLES WEST OF FR 1060, TAPER TO 3 LANE SECTION
SUB TOTAL			2864.9	1432.4	504.0	37.2	75	SUBTRACT SUBTOTAL OF ENTRANCE/SIDEROAD EXCEPTION SUBTOTALS
TOTAL			2360.9	1395.2			75	

NOTE: FOR TRANSVERSE RUMBLE STRIP DETAILS, SEE EPG 626.4 AND SPECIAL SHEET.

DATE PREPARED
10/6/2025

ROUTE
60

DISTRICT
SW

STATE
MO

SHEET NO.
3

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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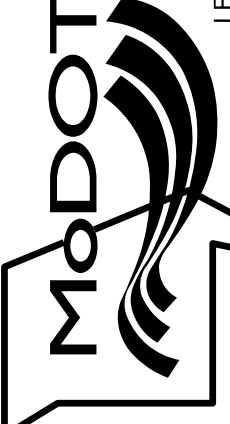
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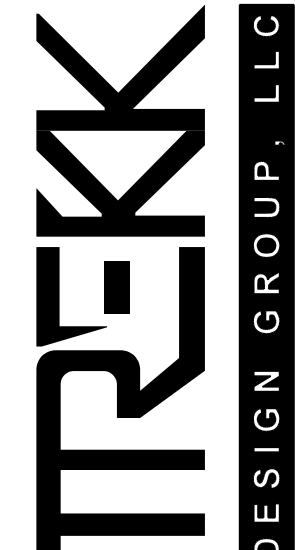
GUARDRAIL											
LOG MILE EB	DIRECTION OF TRAFFIC	BRIDGE GUARDRAIL (W-BEAM) (LF)	MGS GUARDRAIL 8FT POSTS 6 FT-3 IN SPACING (LF)	MGS GUARDRAIL 6FT POSTS 3 FT-1.5 IN SPACING (LF)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EA)	MGS END ANCHOR (EA)	MGS BRIDGE APPROACH TRANSITION (THRIE-BEAM BRIDGE) (EA)	MGS BRIDGE APPROACH TRANSITION (REGULAR/NO CURB) (EA)	MGS HEIGHT AND BLOCK TRANSITION (EA)	SHAPING SLOPES CLASS III MODIFIED (100 FT)	REMARKS
0.000	EB&WB				1				2	0.8	
0.058	EB				1				1	0.8	
0.198	WB				1				1	0.8	
2.457	EB&WB				2				2	1.6	
2.557	EB&WB				2				2	1.6	
2.877	EB&WB				2				2	1.6	
2.957	EB&WB				2				2	1.6	
3.197	EB&WB				2				2	1.6	
3.257	EB				1				1	0.8	
3.277	EB				1				1	0.8	
3.377	EB&WB				2				2	1.6	
3.557	WB				1				1	0.8	
3.638	WB				1				1	0.8	
4.098	WB				1				1	0.8	
4.238	WB				1				1	0.8	
4.677	EB&WB				2				2	1.6	
4.757	EB&WB				2				2	1.6	
8.877	EB				1				1	0.8	
8.897	WB				1				1	0.8	
8.957	EB				1				1	0.8	
8.977	WB				1				1	0.8	
10.777	WB				1				1	0.8	
10.797	EB				1				1	0.8	
10.857	EB&WB				2				2	1.6	
11.358	EB		37.5	137.5	2					1.6	
11.418	WB		37.5	137.5	2					1.6	
13.982	EB		187.5		1		1			0.8	BRIDGE A0334 OVER PINEVILLE ROAD AND RR.
14.002	WB		100		1		1			0.8	BRIDGE A0334 OVER PINEVILLE ROAD AND RR.
14.182	EB		475		1		1			0.8	BRIDGE A0334 OVER PINEVILLE ROAD AND RR.
14.182	WB		475		1		1			0.8	BRIDGE A0334 OVER PINEVILLE ROAD AND RR.
14.482	EB				1				1	0.8	
14.562	EB				1				1	0.8	
15.981	EB&WB		200		2		2			1.6	BRIDGE A0333 OVER HICKORY CREEK
16.081	EB&WB		150		2		2			1.6	BRIDGE A0333 OVER HICKORY CREEK
16.141	EB&WB				2				2	1.6	
16.241	EB&WB				2				2	1.6	
16.62	WB				1				1	0.8	WEST END OF GUARDRAIL RUN
16.67	EB				1				1	0.8	
17.12	EB&WB				2				2	1.6	
17.181	EB&WB				2				2	1.6	
-	ALL 4		300		4		4			3.2	ROUTE 59 BRIDGE OVER US 60 (INTERCHANGE)
21.281	EB		137.5		1		1			0.8	BRIDGE A4532 OVER DRY BRANCH CREEK-SW CORNER
21.302	EB		50			1	1				BRIDGE A4532 OVER DRY BRANCH CREEK-NW CORNER
21.381	EB&WB		187.5		2		2			1.6	BRIDGE A4532 OVER DRY BRANCH CREEK
25.244	WB	62.5	87.5		2		2			1.6	BRIDGE A4961 BOX CULVERT
28.881	EB&WB		287.5		2		2			1.6	BRIDGE A4893 OVER NEWTONIA BRANCH
28.981	EB&WB		175		2		2			1.6	BRIDGE A4893 OVER NEWTONIA BRANCH
30.223	EB&WB		275		2		2			1.6	BRIDGE A4894 OVER SHOAL CREEK
30.223	EB&WB		212.5		2		2			1.6	BRIDGE A4894 OVER SHOAL CREEK
SUB TOTAL		62.5	3375.0	275.0	74	1	10	16	46	59.2	
TOTAL		63	3375	275	74	1	10	16	46	59	

DESCRIPTION	DATE								

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COMMISSION



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Authority 202610300

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DELINEATOR		
LOCATION	36 IN. SURFACE-MOUNT DELINEATOR POST (EA)	REMARKS
I-49 INTERCHANGE (WB)	5	REMOVE AND REPLACE EXISTING (WHITE)
ROUTE 37	6	INSTALL ON NEW ISLANDS (WHITE)
TOTAL	11	

REMOVAL OF CONCRETE WEARING SURFACE				
LOCATION	WIDTH CURB TO CURB (LF)	LENGTH (LF)	CONCRETE WEARING SURFACE REMOVAL (SF)	REMARKS
BRIDGE A0334	32	221.2	7078	OVER PINEVILLE ROAD AND RAILROAD
BRIDGE A0333	32	221.2	7078	OVER HICKORY CREEK
TOTAL			14156	

ROCK BLANKET										
LOG MILE EB	LOG MILE EB	LENGTH MINUS CULVERT (LF)	WIDTH (LF)	DEPTH (FT)	LOCATION	FURNISHING TYPE 2 ROCK BLANKET (CY)	PLACING TYPE 2 ROCK BLANKET (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	LINEAR GRADING CLASS 1 (STA)	REMARKS
25.244	25.305	269	15	2	BR. A4961	299	299	448	2.69	PLACE ON NORTH SIDE OF ROUTE 60, UNDERNEATH THE GUARDRAIL, JUST EAST OF RACCOON ROAD, EAST OF GRANBY
SUB TOTAL						299	299	448	2.7	
TOTAL						299	299	448	*	* SEE US 60 AND ROUTE 37 INTERSECTION

SIGNS							
LOG MILE EB	DIRECTION OF TRAFFIC	SIGN TYPE (SIZE)	2.5" PSST POST 12 GA. (LF)	CONCRETE POST ANCHOR FOR 2.5" PSST - 7 GA. (EA)	SH FLAT SHEET (SF)	RELOCATE SIGNS (EA)	REMARKS
41.677	WB	R1-2 (48X48)	16	1	EXIST.	1	NW CORNER ROUTE 37
		R5-1 (30X30)			EXIST.	1	NW CORNER ROUTE 37
41.718	WB	R1-2 (48X48)	16	1	EXIST.	1	NE CORNER ROUTE 37
		R5-1 (30X30)			EXIST.	1	NE CORNER ROUTE 37
TOTAL			32	2	0	4	

PULLBOX		
LOCATION	PULLBOX PREFORMED CLASS 1 (EA)	REMARKS
US 60 AND 37 INTERSECTION	1	NW ISLAND
US 60 AND 37 INTERSECTION	1	NE ISLAND
TOTAL	2	

CABLE LOOP DETECTOR, IN DUCT				
LOCATION	QUANTITY	CABLE LOOP DETECTOR IN DUCT (LF)	CABLE LOOP DETECTOR LEAD- IN (LF)	REMARKS
I-49 (WESTSIDE)	4	1656	600	2-EB AND 2-WB
I-49 (EASTSIDE)	4	1656	600	3-EB AND 1-WB
ADAMS DRIVE	8	3312	1200	2-EACH DIRECTION
LUSK DRIVE	4	1656	600	2-NB AND 2-SB
BUS. 60/RT 59	8	3312	1200	3-NB, 2-WB, 3-SB
LARAMIE DRIVE	8	3312	1200	2-EACH DIRECTION
OAK RIDGE DRIVE	6	2484	900	2-EB, 2-WB, 1-NB, 1-SB
SUB TOTAL		17388	6300	264' PER LOOP, 150' LEAD IN PER LOOP
TOTAL		17390	6300	

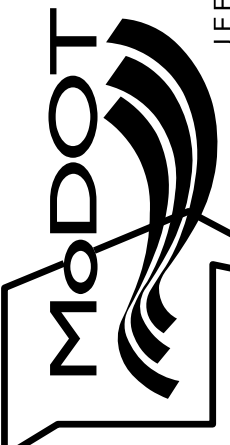
TEMPORARY EROSION CONTROL		
LOCATION	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)
NW CORNER ROUTE 37	203	2
NE CORNER ROUTE 37	163	2
TOTAL	366	4

SUMMARY OF QUANTITIES
SHEET 3 OF 9

DESCRIPTION									

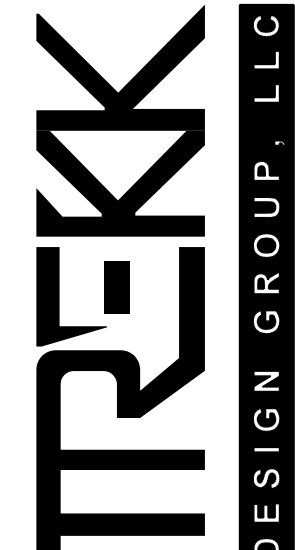
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Miscuiti, Carl J.
Authority 202610300

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PAVEMENT MARKING													
LOG MILE	LOG MILE	LENGTH (FT)	WHITE 6"	YELLOW 4"	WHITE 12"	PREFORMED THERMOPLASTIC							REMARKS
						WHITE 24"	YELLOW 24"	24" WHITE YIELD TRIANGLE (EA)	LEFT/RIGHT ARROW (EA)	STRAIGHT ARROW (EA)	STRAIGHT/RIGHT ARROW (EA)	ONLY (EA)	
EB	EB		(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	(EA)	(EA)	(EA)	
0.000	0.338	1784.64	3569	3569									
0.338	0.537	1050.72	1567	3364			208	20					RAB MO 43
0.537	0.677	739.20	1478	1478									
0.677	2.517	9715.20	19430	2429									
2.517	2.997	2534.40	5069	3168									
2.997	3.237	1267.20	2534	317									
3.237	3.477	1267.20	2534	1584									
3.477	3.718	1272.48	2545	2545									
3.718	3.939	1166.88	2334	1459									
3.939	4.019	422.40	845	106									
4.019	4.238	1156.32	2313	1445									
4.238	4.358	633.60	1267	1267									
4.358	4.593	1240.80	2482	1551									
4.593	5.117	2766.72	5533	692									
5.117	5.365	1309.44	2619	1637									
5.365	5.717	1858.56											EXCEPTION- ROUTE Y/CC (FROM JRS0095) *
5.717	6.777	5596.80	11194	1399									
6.777	7.257	2534.40	5069	3168									
7.257	7.377	633.60	1267	158									
7.377	7.582	1082.40	2165	1353									
7.582	7.697	607.20	1214	152									
7.697	7.897	1056.00	2112	1320									
7.897	10.097	11616.00	23232	2904									
10.097	10.497	2112.00	4224	2640									
10.497	10.853	1879.68	3759										EXCEPTION - HAMMER ROAD (FROM JRS0095) *
10.853	11.138	1504.80	3010	376									
11.138	11.238	528.00	1056	1056									
11.238	11.917	3585.12	9173	10400		309	644.75		15	1	1	3	I-49 INTERCHANGE AND KODIAK RD
11.917	11.998	427.68	855	855									
11.998	12.258	1372.80	4193	4220		96	106		6	2			ADAMS DR *(SEE SPECIAL SHEET)
12.258	12.358	528.00	1056	1056									
12.358	12.818	2428.80	8663	7605		224	152		25	5			LUSK DR AND BUS I-49
12.818	12.882	337.92	676	676									
12.882	13.141	1367.52	3778	4450		96	115		6	2			HEARTSIDE DR AND LARAMIE LN *(SEE SPECIAL SHEET)
13.141	13.362	1166.88	2334	2334									
13.362	13.862	2640.00	5811	5917		168	280		14		2		OAK RIDGE AND HOWARD DRIVE OAK RIDGE RIGHT TURN LANE (FROM JRS0095) *
13.862	13.942	422.40	845	845									
13.942	14.162	1161.60	2323	290									
14.162	14.421	1367.52	2735	1709									
14.421	14.721	1584.00	3168	3168									
14.721	14.981	1372.80	1783	3840			143		4				CEMETERY RD
14.981	15.021	211.20	422	422									
15.021	15.541	2745.60	5491	686									
15.541	15.618	406.56	813	813									
15.618	15.931	1652.64											EXCEPTION - RT HH (FROM JRS0095) *
15.931	16.002	374.88	750	750									
16.002	16.52	2735.04	5470	684									
16.520	16.739	1156.32	2313	1445									
16.739	17.263	2766.72	5533	5533									
17.263	17.463	1056.00	2112	1320									
17.463	17.643	950.40	1901	238									
17.643	17.723	422.40	845	845									
17.723	17.963	1267.20	2532	3820			172		2				ROUTE 86 NORTH
17.963	18.063	528.00	1056	1056									
18.063	18.762	3690.72	7381	923									
18.762	19.301	2845.92	5692	3557									
19.301	19.441	739.20	1478	185									
19.441	19.881	2323.20	7015	6920	970								RT 59/60 INTERCHANGE INCLUDING RAMPS AND ROAD TO BRIDGE
19.881	20.36	2529.12	5058	5058									
20.360	20.481	638.88	1278	799									
20.481	20.58	522.72	1045	1045									
20.580	20.681	533.28	1067	667									
20.681	21.221	2851.20	5702	5702									
21.221	21.581	1900.80	3802	2376									
SUB TOTAL			230570	133346	970	893	1820.75	20	72	10	3	3	

* DIFFERS FROM EXIST PAVEMENT MARKING

SUMMARY OF QUANTITIES
SHEET 4 OF 9

DATE PREPARED
9/5/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

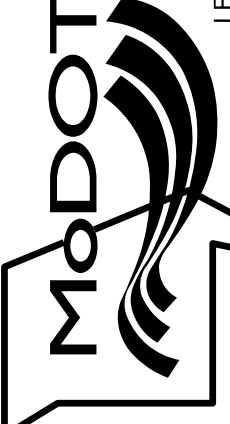
PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

1411 East 104th St.
Kansas City, MO 64131
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TREKK

DESIGN GROUP, LLC

Missouri Dept. of
Transportation
Authority 202610300

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

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PAVEMENT MARKING												
LOG MILE	LOG MILE	LENGTH (FT)	WHITE 6"	YELLOW 4"	WHITE 12"	PREFORMED THERMOPLASTIC						REMARKS
						WHITE 24"	YELLOW 24"	24" WHITE YIELD TRIANGLE (EA)	LEFT/RIGHT ARROW (EA)	STRAIGHT ARROW (EA)	STRAIGHT/RIGHT ARROW (EA)	
EB	EB		(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	(EA)	(EA)	(EA)
21.581	22.121	2851.20	5702	5702								
22.121	22.501	2006.4	4013	2508								
22.501	23.523	5396.16	10792	10792								
23.523	23.623	528.00	1056	1056								*ADD EDGE LINE BOTH DIRECTIONS-GRANBY
23.623	23.883	1372.80	2746	2746								*ADD EDGE LINE BOTH DIRECTIONS-GRANBY
23.883	24.563	3590.40	7181	7181								
24.563	24.723	844.80	1690	1056								
24.723	24.802	417.12	834	834								
24.802	25.222	2217.60	4435	2772								
25.222	25.342	633.60	1267	158								
25.342	25.762	2217.60	4435	2772								
25.762	25.842	422.40	845	845								
25.842	26.722	4646.40	9293	5808								
26.722	27.722	5280.00	10560									RT M/RT W (FROM JRS0095) *
27.722	27.921	1050.72	2101	1313								
27.921	28.041	633.60	1267	1267								
28.041	28.241	1056.00	2112	1320								
28.241	28.381	739.20	1478	185								
28.381	28.801	2217.60	4435	2772								
28.801	29.481	3590.40	7181	898								
29.481	29.7	1156.32	2313	1445								
29.700	29.901	1061.28	2123	2123								
29.901	30.101	1056.00	2112	1320								
30.101	30.52	2212.32	4425	553								
30.520	31.44	4857.60	9715	6072								
31.440	31.579	733.92	1468	1468								
31.579	31.659	422.40	845	528								
31.659	32.399	3907.20	7814	7814								
32.399	32.879	2534.40	5069	3168								
32.879	33.358	2529.12	5058	5058								
33.358	33.778	2217.60	4435	2772								
33.778	33.958	950.40	1901	1901								
33.958	34.058	528.00	1056	660								
34.058	34.198	739.20	1478	1478								
34.198	34.318	633.60	1267	792								
34.318	35.598	6758.40	13517	13517								
35.598	36.118	2745.60	5491	3432								
36.118	36.278	844.80	1690	1690								
36.278	36.338	316.80	634	396								
36.338	36.458	633.60	1267	1267								
36.458	36.678	1161.60	2323	1452								
36.678	36.858	950.40	1901	238								
36.858	37.097	1261.92	2524	1577								
37.097	37.111	73.92	148	148								
37.111	37.385	1446.72										EXCEPTION - MO 97 RAB (FROM JRS0095) *
37.385	37.557	908.16	1816	1816								
37.557	37.677	633.60	1267	792								
37.677	37.797	633.60	1267	1267								
37.797	38.337	2851.20	5702	3564								
38.337	39.817	7814.40	15629	15629								
39.817	40.037	1161.60	2323	1452								
40.037	40.237	1056.00	2112	2112								
40.237	41.258	5390.88	10782	13477			30		20			TWTL SECTION
41.258	41.358	528.00	890	1020		88			4			EISENHOWER
41.358	41.398	211.20	422	528					2			TWTL SECTION EAST OF EISENHOWER TO TAPER
41.398	41.638	1267.20	2851	3168					4			TWTL SECTION TAPER TO MO 37 INTERSECTION
41.638	41.769	691.68	3401	1638		108		21	11		3	ROUTE MO 37 INTERSECTION *
SUB TOTAL			212459	159317	0	196	30	21	41	0	0	3
SUB TOTAL			230570	133346	970	893	1820.75	20	72	10	3	3
TOTAL			443029	292663	970	1089	1851	41	113	10	3	6

* DIFFERS FROM EXIST PAVEMENT MARKING

SUMMARY OF QUANTITIES
SHEET 5 OF 9

DATE PREPARED
9/5/2025

ROUTE
60

DISTRICT
SW

STATE
MO

SHEET NO.
3

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

PROJECT NO.

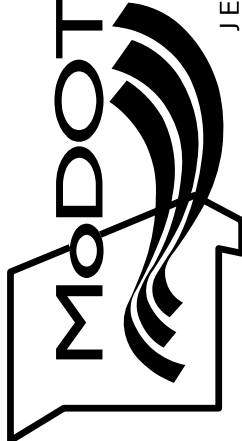
BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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TREKK

DESIGN GROUP, LLC

Missouri Dept. of
Transportation

Authority 202010300

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

COLDMILLING						
LOG MILE EB	LOG MILE EB	LANE WIDTH (LF)	LENGTH (LF)	COLDMILLING (SY)	MODIFIED COLDMILLING (SY)	REMARKS
0.000	0.332	28	1752.96	5453.7	311.1	STATE LINE TO RAB
0.332	0.502	VAR	897.60	5336.7		RAB MO 43
0.502	5.365	28	25676.64	79882.9	311.1	MO 43 RAB TO WEST OF ROUTE Y/CC
5.365	5.717		1858.56			EXCEPTION - ROUTE Y/CC
5.717	10.497	28	25238.40	78519.5		
10.497	10.853	VAR	1879.68			EXCEPTION - HAMMER ROAD
10.853	11.238	28	2032.80	6324.3	311.1	TO WEST OF I-49 INTERCHANGE
11.238	11.289	28-64	269.28	1376.3		TAPER
11.289	11.338	62	258.72	1782.3		I-49 INTERCHANGE (OMIT CONC SHLDRS)
11.338	11.438	64	528.00	3754.7		I-49 INTERCHANGE
11.438	11.479	62	216.48	1491.3		I-49 INTERCHANGE (OMIT CONC SHLDRS)
11.479	11.528	64-54	258.72	1696.1		I-49 INTERCHANGE TAPER
11.528	11.547	54	100.32	601.9		I-49 INTERCHANGE
11.547	12.000		2391.84			CONCRETE SECTION (FOG SEAL SHOULDERS ONLY)
12.000	12.278	VAR	1467.84	2153.3		BETWEEN CONCRETE SECTIONS-ADAMS DRIVE
		VAR	VAR	2303.0		ADAMS DRIVE (SEE SPECIAL SHEETS)
		VAR	VAR	1614.0		LUSK DRIVE NORTH AND SOUTH (SEE SPECIAL SHEETS)
12.278	12.679		2117.28			
12.679	12.817	VAR	728.64	7135.3		RT 59 AND 60 INTERSECTION
12.817	12.881	28	337.92	1051.3	311.1	
12.881	12.961	28-52	422.40	1877.3		TAPER
12.961	13.060	52	522.72	3020.2		LARAMIE LANE
13.060	13.141	52-28	427.68	1900.8		TAPER
13.141	13.361	28	1161.60	3613.9		
13.361	13.401	28-40	211.20	797.9		TAPER
13.401	13.601	40	1056.00	9692.8		OAK RIDGE (SEE SPECIAL SHEET)
13.601	13.801	40	1056.00	4693.3		EAST OF OAK RIDGE THRU HIGH STREET
13.801	13.831	40-28	158.40	598.4		TAPER
13.831	14.018	28	987.36	3071.8	155.6	
14.018	14.058	32	211.20			BRIDGE A0334 (SEE REMOVAL CONCRETE WEARING SURFACE)
14.058	14.719	28	3490.08	10858.0	155.6	
14.719	14.779	34	316.80	1196.8		
14.779	14.889	44	580.80	2839.5		CEMETERY ROAD (EOS TO EOS)
14.889	14.959	34	369.60	1396.3		
14.959	15.618	28	3479.52	10825.2		
15.618	15.931	34	1652.64			EXCEPTION - RT HH RAB
15.931	16.000	28	364.32	1133.4	155.6	
16.000	16.040	32	211.20			BRIDGE A0333 (SEE REMOVAL CONCRETE WEARING SURFACE)
16.040	17.721	28	8875.68	27613.2	155.6	
17.721	17.782	34	322.08	1216.7		
17.782	17.881	40	522.72	2323.2		RT 86 (EOS TO EOS)
17.881	17.941	34	316.80	1196.8		
17.941	19.423	28	7824.96	24344.3		
19.423	19.463	34	211.20	797.9		
19.463	19.503	40	211.20	938.7		RT 59 AND RT 60 INTERCHANGE
19.503	19.543	46	211.20	1079.5		RT 59 AND RT 60 INTERCHANGE
19.543	19.643	44	528.00	2581.3		
		28	961.00	2989.8		CONTINUE TO BRIDGE A3955
19.643	19.843	20	1056.00	2346.7		EXIT RAMP
19.843	21.310	28	7745.76	24097.9		
21.310	21.330		105.60			EXCEPTION - BRIDGE A4532
21.330	23.515	28	11536.80	35892.3		
		0-14	250.00	194.44		NB EXIT RAMP DECEL TAPER
		14	400.00	622.22		NB EXIT RAMP DECEL LANE
		20	1572.00	3493.33		SB ENTRANCE RAMP
		14	460.00	715.56		SB ENTRANCE RAMP ACCEL LANE
		14-0	300.00	233.33		SB ENTRANCE RAMP ACCEL LANE TAPER
		VAR	VAR	81.22		NB ENTRANCE RAMP (SEE SPECIAL SHEET)
		VAR	VAR	73.44		SB EXIT RAMP (SEE SPECIAL SHEET)
		28	715.00	2224.44		LANES UNDER 59 (SEE SPECIAL SHEET)
		VAR	VAR	34.33		NB EXIT RAMP (SEE SPECIAL SHEET)
		VAR	VAR	46.22		SB ENTRANCE RAMP (SEE SPECIAL SHEET)
		VAR	VAR	219.22		NORTH ACCESS ROAD/OTTER ROAD (SEE SPECIAL SHEETS)
23.515	23.595	30	422.40	1408.0	166.7	
23.595	23.855	34	1372.80	5186.1		EAST OF ROUTE E TO EAST OF GROVE STREET
23.855	26.482	28	13870.56	43152.9	155.6	
26.482	31.238		25111.68			CONCRETE SECTION (FOG SEAL SHOULDERS ONLY)
31.238	37.111	28	31009.44	96473.8		
37.111	37.385	VAR	1446.72			EXCEPTION - MO 97 RAB
37.385	40.219	28	14963.52	46553.2		MO 97 TO FR 1060
40.219	40.276	28-40	300.96	1137.0		TAPER FARM ROAD 1060
40.276	40.780	40	2661.12	11827.2	155.6	AT FR 1060
40.780	41.240	40	2428.80	10794.7		FR 1060 TO WIDTH TRANSITION
41.240	41.250	40-52	52.80	269.9	200.0	WIDTH TRANSITION
41.250	41.270	52	105.60	610.1		EISENHOWER APPROACH
41.270	41.350	VAR	422.40	2976.4		EISENHOWER INTERSECTION (SEE SPECIAL SHEET)
41.350	41.637	40	1515.36	6734.9	222.2	EISENHOWER TO BEGIN OF RIGHT TURN LANE MO 37
41.637	41.769	VAR	696.96	17618.8		MO 37 INTERSECTION TO END OF PROJECT (2-2" LIFTS)
		VAR	VAR	26111.1		SIDERoadS/CITY STREETS
TOTAL				664202	2767	

SUMMARY OF QUANTITIES
SHEET 6 OF 9

DATE PREPARED
9/5/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

1411 East 104th St.
Kansas City, MO 64131
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Microsoft Corp. of
Authority 202610300

TREKK

DESIGN GROUP, LLC

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FOG SEAL						
LOG MILE EB	LOG MILE EB	LANE WIDTH (LF)	SHOULDER WIDTH (LF)	LENGTH (LF)	FOG SEAL 0.2 GAL/SY (GAL)	REMARKS
0.000	0.332	28	16	1752.96	623	STATE LINE TO RAB
0.332	0.502	VAR	VAR	897.6	281	RAB MO 43
0.502	5.365	28	16	25676.64	9129	RAB TO WEST OF ROUTE Y/CC
5.365	5.717	VAR		1858.56		EXCEPTION - ROUTE Y/CC
5.717	10.497	28	16	25238.4	8974	2-LANE SECTION
10.497	10.853	VAR		1879.68		EXCEPTION - HAMMER ROAD
10.853	11.238	28	16	2032.8	723	2-LANE SECTION
11.238	11.289	28-64	16	269.28	96	TAPER
11.289	11.338	62		258.72		I-49 INTERCHANGE (OMIT CONC SHLDRS)
11.338	11.438	64	16	528	188	I-49 INTERCHANGE
11.438	11.479	62		216.48		I-49 INTERCHANGE (OMIT CONC SHLDRS)
11.479	11.528	64-54	8	258.72	46	I-49 INTERCHANGE TAPER
11.528	11.547	54	8	100.32	18	I-49 INTERCHANGE
11.547	11.678		10	691.68	154	CONCRETE SECTION (FOG SEAL SHOULDERS ONLY)
11.678	11.778			528		KODIAK INTERSECTION
11.778	12.000		10	1172.16	260	(FOG SEAL SHOULDERS ONLY)
12.000	12.278	VAR	16	1467.84	522	BETWEEN CONCRETE SECTION
12.278	12.396		20	623.04	277	(FOG SEAL SHOULDERS ONLY)
12.396	12.577			955.68		LUSK DRIVE INTERSECTION (SHOULDER EXCEPTION)
12.577	12.679		10	538.56	120	(FOG SEAL SHOULDERS ONLY)
12.679	12.817	VAR	VAR	VAR	353	RT 59 AND 60 INTERSECTION
12.817	13.357	28	16	2851.2	1014	2-LANE SECTION
13.357	13.401	36	12	232.32	62	
13.401	13.601	40		1056		OAK RIDGE DRIVE (SHOULDER EXCEPTION) (SEE SPECIAL SHEET)
13.601	13.801	52		1056		OAK RIDGE DRIVE THRU HIGH STREET (SHOULDER EXCEPTION)
		VAR.			67	HOWARD BUSH (SEE SPECIAL SHEET)
13.801	13.831	32	12	158.4	42	
13.831	14.018	28	16	987.36	351	2-LANE SECTION
14.018	14.058			211.2		EXCEPTION - BRIDGE A0334
14.058	14.719	28	16	3490.08	1241	2-LANE SECTION
14.719	14.779	34	8	316.8	56	
14.779	14.889	44		580.8		CEMETERY ROAD (EOS TO EOS)
14.889	14.959	34	8	369.6	66	
14.959	15.618	28	16	3479.52	1237	2-LANE SECTION
15.618	15.931	44		1652.64		EXCEPTION - ROUTE HH RAB
15.931	16.000	28	16	364.32	130	2-LANE SECTION
16.000	16.040			211.2		EXCEPTION - BRIDGE A0333
16.040	17.721	28	16	8875.68	3156	2-LANE SECTION
17.721	17.782	34	8	322.08	57	
17.782	17.881	40	8	522.72	93	RT 86 (EOS TO EOS)
17.881	17.941	34	8	316.8	56	
17.941	19.423	28	16	7824.96	2782	2-LANE SECTION
19.423	19.463	34	16	211.2	75	
19.463	19.503	40	16	211.2	75	RT 59 AND RT 60 INTERCHANGE
19.503	19.543	46	16	211.2	75	RT 59 AND RT 60 INTERCHANGE
19.543	19.643	44	8	528	94	
		28	16	961	342	CONTINUE TO BRIDGE A3955
19.643	19.888	20	8	1293.6	230	EXIT RAMP
19.888	20.888		18	5280	2112	
20.888	21.028		14	739.2	230	
21.028	21.31	28	18	1488.96	596	2-LANE SECTION
21.310	21.33			105.6		EXCEPTION - BRIDGE A4532
21.330	23.515	28	14	11536.8	3589	2-LANE SECTION
			6	250	33	NB EXIT RAMP DECEL TAPER
			6	400	53	NB EXIT RAMP DECEL LANE
			6	1572	210	SB ENTRANCE RAMP
			6	460	61	SB ENTRANCE RAMP ACCEL LANE
			6	300	40	SB ENTRANCE RAMP ACCEL LANE TAPER
			16	565	201	LANES UNDER 59
23.515	23.595	40		422.4		EXCEPTION - GRANBY
23.595	23.855	34		1372.8		EAST OF ROUTE E TO EAST OF GROVE STREET-SHOULDER EXCEPTION
23.855	26.482	28	14	13870.56	4315	2-LANE SECTION

SUMMARY OF QUANTITIES
SHEET 7 OF 9

[illegible]

TREK

DESIGN GROUP, LLC

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Tel (816) 874-4865
Fax (816) 874-4875
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Missouri Cert. of
Authority 2002010300

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

RESURFACING											
LOG	LOG	LANE	LENGTH	SP095C	SP095C	SP095C	SP095BSM	SP125C	TACK		REMARKS
MILE	MILE	WIDTH		(PG70-22)	(PG70-22)	(PG70-22)	(PG70-22)	(PG70-22)	COAT		
EB	EB	(LF)	(LF)	1.5"	1.75"	2"	1.75"	2x2"	0.10 GAL/SY		
				(TON)	(TON)	(TON)	(TON)	(TON)	(GAL)		
0.000	0.332	28	1752.96	445.38					545		STATE LINE TO MO 43 RAB
0.332	0.502	VAR	897.60				516.25		534		RAB MO 43 (SEE SPECIAL SHEETS)
0.502	5.365	28	25676.64	6523.77					7988		MO 43 RAB TO WEST OF ROUTE Y/CC
5.365	5.717	VAR	1858.56								EXCEPTION - ROUTE Y/CC
5.717	10.497	28	25238.40	6412.42					7852		BETWEEN Y/CC AND HAMMER ROAD
10.497	10.853	VAR	1879.68								EXCEPTION - HAMMER ROAD
10.853	11.238	28	2032.80	516.48					632		HAMMER ROAD TO WEST OF I-49 INTERCHANGE
11.238	11.289	28-64	269.28	112.40					138		TAPER
11.289	11.338	62	258.72	145.55					178		I-49 INTERCHANGE (OMIT CONC SHLDRS)
11.338	11.438	64	528.00	306.63					375		I-49 INTERCHANGE
11.438	11.479	62	216.48	121.79					149		I-49 INTERCHANGE (OMIT CONC SHLDRS)
11.479	11.528	64-54	258.72	138.51					170		I-49 INTERCHANGE TAPER
11.528	11.547	54	100.32	49.16					60		I-49 INTERCHANGE
		VAR	VAR		92.36				97		NORTH SIDE OF KODIAK INTERSECTION (SEE SPECIAL SHEETS)
11.547	12.000	VAR	2391.84								CONCRETE SECTION (FOG SEAL SHOULDERS ONLY)
12.000	12.278	VAR	1467.84		205.16				215		BETWEEN CONCRETE SECTIONS-ADAMS DRIVE
		VAR	VAR		219.42				230.30		ADAMS DRIVE (SEE SPECIAL SHEETS)
		VAR	VAR		153.78				161.40		LUSK DRIVE NORTH AND SOUTH (SEE SPECIAL SHEETS)
12.278	12.679	VAR	2117.28								CONCRETE SECTION (FOG SEAL SHOULDERS ONLY)
12.679	12.817	VAR.	728.64		679.84				714		RT 59 AND 60 INTERSECTION
12.817	12.881	28	337.92	85.86					105		2-LANE SECTION
12.881	12.961	28-52	422.40	153.32					188		TAPER
12.961	13.060	52	522.72	412.61					505		HEARTHSIDE DRIVE/LARAMIE LANE (SEE SPECIAL SHEETS)
13.060	13.141	52-28	427.68	155.23					190		TAPER
13.141	13.361	28	1161.60	295.13					361		2-LANE SECTION
13.361	13.401	28-40	211.20		76.02				80		TAPER
13.401	13.601	40	1056.00		923.51				969		OAK RIDGE (SEE SPECIAL SHEET)
13.601	13.801	40	1056.00		495.87				520		EAST OF OAK RIDGE THRU HIGH STREET (SEE SPECIAL SHEET)
13.801	13.831	40-28	158.40		57.01				60		TAPER
13.831	14.018	28	987.36	250.86					307		2-LANE SECTION
14.018	14.058	32	211.20			81.77			75		BRIDGE A0334 *
14.058	14.719	28	3490.08	886.74					1086		2-LANE SECTION
14.719	14.779	28-44	316.80	103.49					126.72		TAPER
14.779	14.889	44	580.80	231.89					284		CEMETERY ROAD (EOS TO EOS)
14.889	14.959	44-28	369.60	120.74					147.84		TAPER
14.959	15.618	28	3479.52	884.06					1083		2-LANE SECTION
15.618	15.931	44	1652.64								EXCEPTION - RT HH RAB
15.931	16.000	28	364.32	92.56					113		2-LANE SECTION
16.000	16.040	32	211.20	61.33		81.77			75		BRIDGE A0333
16.040	17.721	28	8875.68	2255.08					2761		2-LANE SECTION
17.721	17.782	28-40	322.08	99.37					121.67		TAPER
17.782	17.881	40	522.72	189.73					232		RT 86 EAST (EOS TO EOS)
		VAR	VAR	59.86					73		RT 86 WEST (SEE SPECIAL SHEETS)
		VAR	VAR	69.34					85		RT 86 EAST (SEE SPECIAL SHEETS)
17.881	17.941	40-28	316.80	97.74					119.68		TAPER
17.941	19.423	28	7824.96	1988.12					2434		2-LANE SECTION
19.423	19.463	24	211.20	45.99					56		TRAVEL LANE ONLY
19.463	19.643	24	950.40	206.98					253		TRAVEL LANE ONLY
		28	961.00	244.17					299		CONTINUE TO BRIDGE A3955
19.643	19.843	20	1056.00	191.64					235		NB EXIT RAMP
		0-14	250.00	15.88					19		NB EXIT RAMP DECEL TAPER
		14	400.00	50.81					62		NB EXIT RAMP DECEL LANE
		20	1572.00	285.29					349		SB ENTRANCE RAMP
		14	460.00	58.44					72		SB ENTRANCE RAMP ACCEL LANE
		14-0	300.00	19.06					23.33		SB ENTRANCE RAMP ACCEL LANE TAPER
		VAR	VAR	59.70					73.10		NB ENTRANCE RAMP (SEE SPECIAL SHEET)
		VAR	VAR	53.98					66.10		SB EXIT RAMP (SEE SPECIAL SHEET)
		28	715.00	181.66					222		LANES UNDER 59 (SEE SPECIAL SHEET)
		VAR	VAR	25.24					30.90		NB EXIT RAMP (SEE SPECIAL SHEET)
		VAR	VAR	33.97					41.60		SB ENTRANCE RAMP (SEE SPECIAL SHEET)
		VAR	VAR	161.13					200.00		NORTH ACCESS ROAD/OTTER ROAD (SEE SPECIAL SHEETS)
19.843	21.310	28	7745.76	1968.00					2410		2-LANE SECTION
21.310	21.330		105.60								EXCEPTION - BRIDGE A4532
21.330	23.515	28	11536.80	2931.20					3589		2-LANE SECTION
			102.74						126		RT B (GRANBY MINERS ROAD) - (SEE SPECIAL SHEET)
23.515	23.595	40	422.40		178.87				188		GRANBY CURB TO CURB
23.595	23.855	34	1372.80		494.12				519		EAST OF ROUTE E TO EAST OF GROVE STREET-GRANBY CURB TO CURB
23.855	26.482	28	13870.56	3524.15					4315		2-LANE SECTION
26.482	31.238	24	25111.68								CONCRETE SECTION (FOG SEAL SHOULDERS ONLY)
31.238	37.111	28	31009.44	7878.69					9647		2-LANE SECTION
37.111	37.385	VAR	1446.72								EXCEPTION - MO 97 RAB
37.385	40.219	28	14963.52	3801.84					4655		MO 97 TO FR 1060
40.219	40.276	28-40	300.96			123.80			113.70		TAPER FARM ROAD 1060
40.276	40.780	40	2661.12			1287.85			1183		FARM ROAD 1060
40.780	41.257	40	2518.56	1051.27					12873		THREE LANE SECTION
41.257	41.270	52	68.64	32.39					40		EISENHOWER APPROACH
41.270	41.350	VAR	422.40	243.08					298		EISENHOWER INTERSECTION (SEE SPECIAL SHEET)
41.350	41.637	40	1515.36	550.02					673		EISENHOWER TO BEGIN OF RIGHT TURN LANE MO 37
41.637	41.769	VAR	696.96					1923.39	881		MO 37 INTERSECTION TO END OF PROJECT (APPLY IN 2-2" LIFTS)
		VAR	VAR	2132.41					2611		SIDERoadS/CITY STREETS
SUB TOTAL				49114.9	3576.0	1575.2	516.3	1923.4	78264		
ADDITIONS				2264.8	59.1	48.1	12.8				ADD 75 TONS/MILE FOR IRREGULARITIES
SUB TOTAL									22		US 60 AND ROUTE 37 INTERSECTION
TOTAL				56638.1			529.1	1923.4	78290		

NOTE:
ANY AND ALL IRREGULARITIES MAY BE UNDERRUN AND
NO ADJUSTMENT TO UNIT BID COST WILL BE MADE

*EX. METAL BARRIER ALONG BRIDGE UNDER THE GUARDRAIL
OVER THE RAILROAD SHALL BE MAINTAINED DURING AND
AFTER CONSTRUCTION

SUMMARY OF QUANTITIES
SHEET 8 OF 9

DATE PREPARED
9/5/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

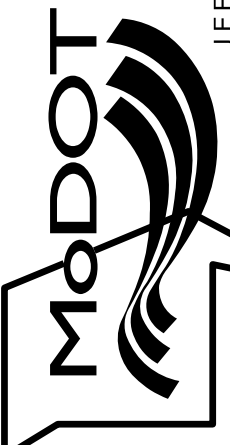
PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-6075
www.trekdesigngroup.com

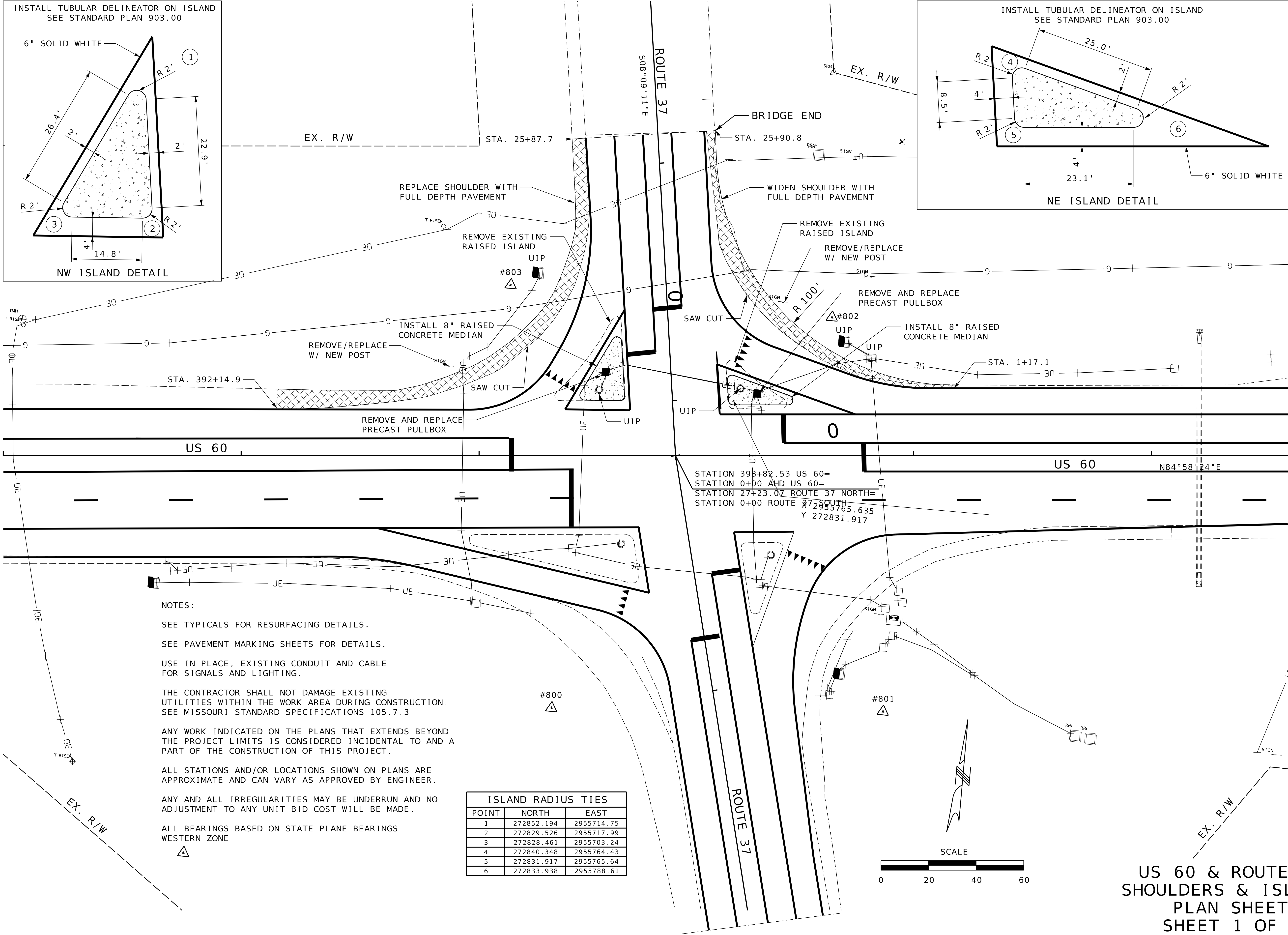
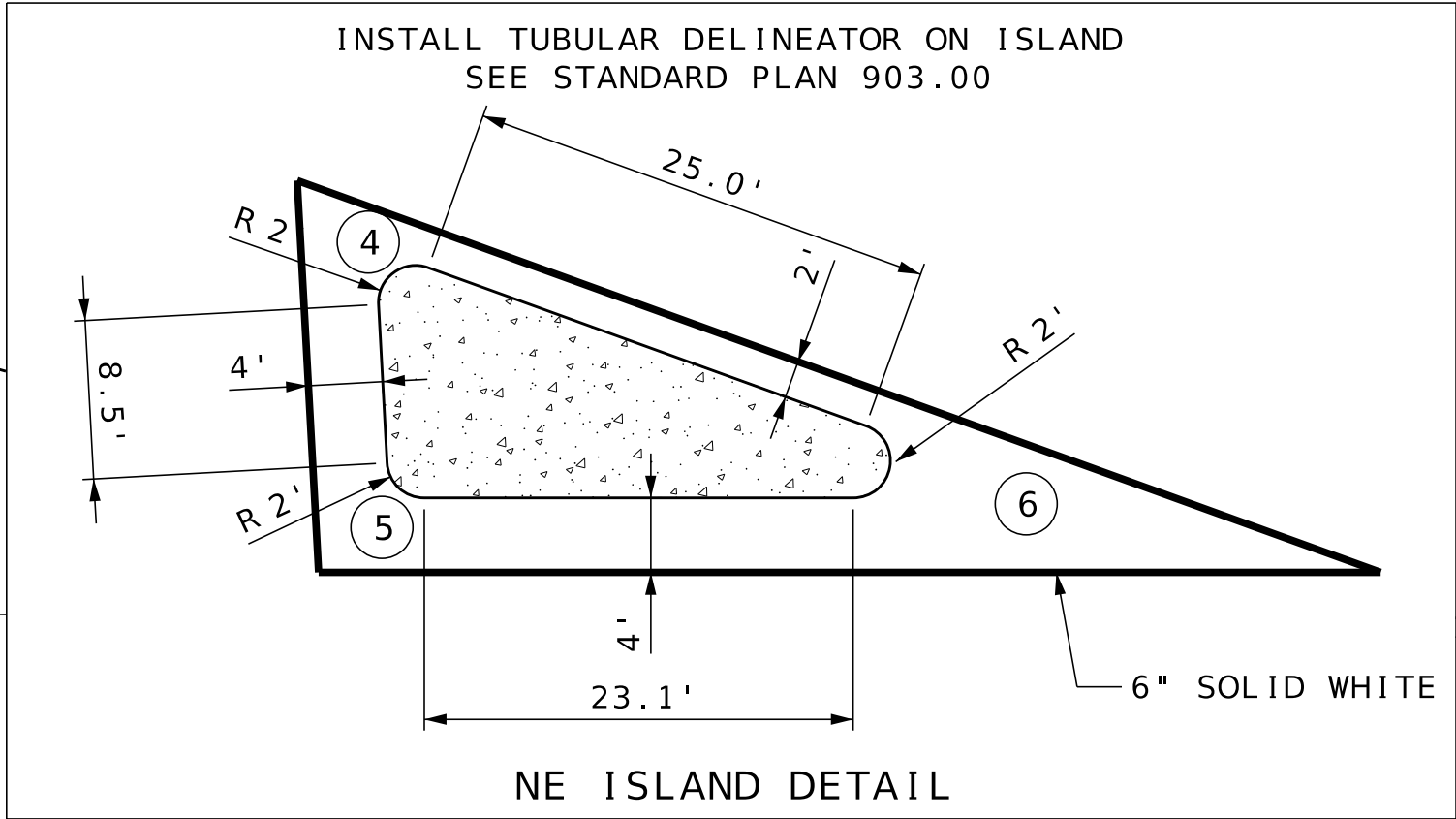
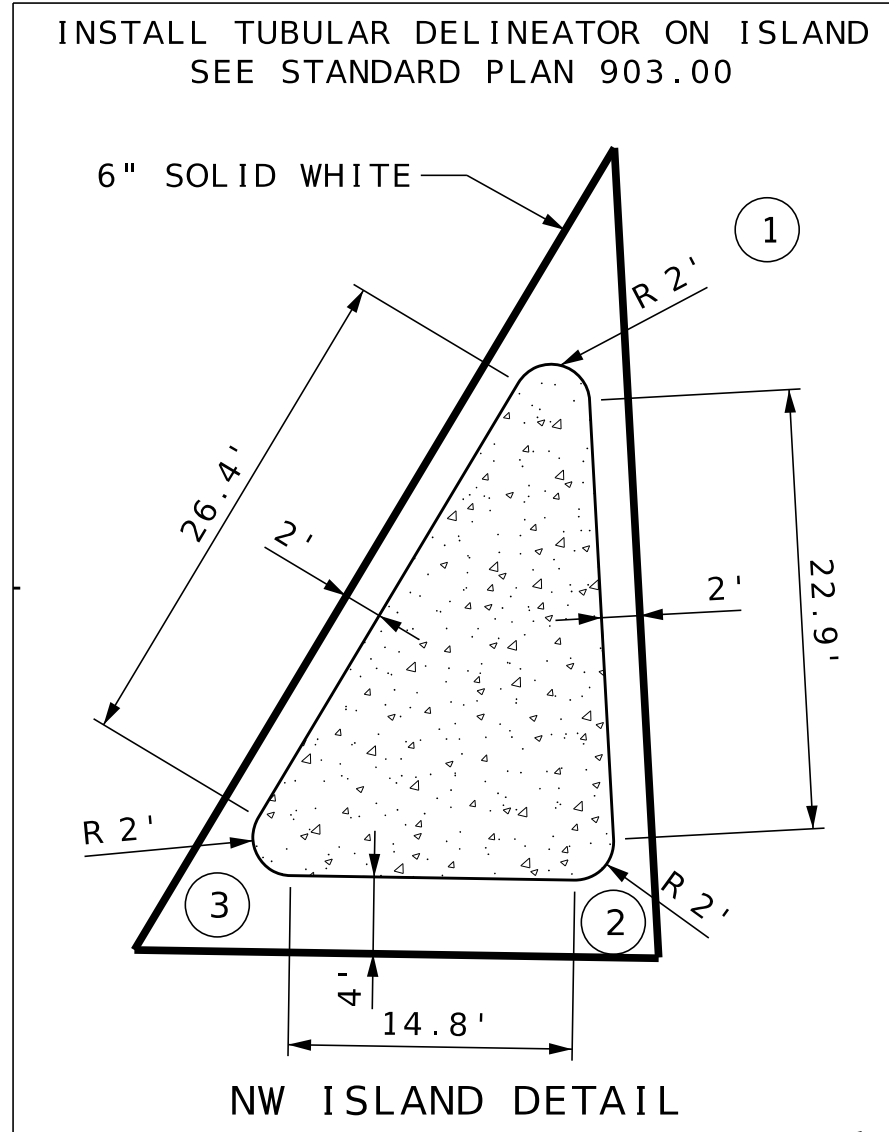
TREKK

DESIGN GROUP, LLC

Missouri Dept. of
Transportation
Authority 202010300

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									EFFECTIVE: 07-01-2025											
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	ITEM	TOTAL	DESCRIPTION
	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NO.			IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NO.		NUMBER	QTY	
WARNING SIGNS									GUIDE SIGNS											
W01-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	2	16.00				END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50	2	9.00				PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
W01-4L	48X48	16.00	1	16.00				REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75	20	175.00				PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-5aP	36X24	6.00	8	48.00				PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	GO20-5aP	36X24	6.00	8	48.00				WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-8a	24X18	3.00						END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)
W01-8	18X24	3.00						CHEVRON (SYMBOL)	REGULATORY SIGNS									6161022		CHANNELIZER (CONE)
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-1	48X48	13.25						STOP	6161025	200	CHANNELIZER (TRIM-LINE)
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2	48TRI.	6.93						YIELD	6161026		CHANNELIZER (VERTICAL PANEL)
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030	6	TYPE 3 MOVEABLE BARRICADE
W03-3	48X48	16.00	2	32.00				SIGNAL AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033		DIRECTION INDICATOR BARRICADE
W03-4	48X48	16.00	2	32.00				BE PREPARED TO STOP	R2-1	36X48	12.00	16	192.00				SPEED LIMIT XX	6161040	4	FLASHING ARROW PANEL
W03-5	48X48	16.00						SPEED LIMIT AHEAD	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-3	36X36	9.00						NO TURNS	6161070		TUBULAR MARKER
W04-1aL	48X48	16.00						MERGE (LEFT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
W04-1aR	48X48	16.00						MERGE (RIGHT)	R3-7L	30X30	6.25	4	25.00				LEFT LANE MUST TURN LEFT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
W05-1	48X48	16.00	2	32.00				ROAD/BRIDGE/RAMP NARROWS	R3-7R	30X30	6.25	4	25.00				RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
W05-3	48X48	16.00						ONE LANE BRIDGE	R4-1	36X48	12.00						DO NOT PASS	6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
W05-5	48X48	16.00	3	48.00				NARROW LANES	R4-2	36X48	12.00						PASS WITH CARE			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6161099	4	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)		1	WORK ZONE TRAFFIC SIGNAL SYSTEM
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS
W07-3a	30X24	5.00	3	15.00				NEXT XX MILES (PLAQUE)	R5-1a	36X24	6.00						WRONG WAY	6162002		TEMPORARY TRAFFIC SIGNAL SYSTEM
W08-1	48X48	16.00	10	160.00				BUMP	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
W08-2	48X48	16.00						DIP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)			TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
W08-3	48X48	16.00						PAVEMENT ENDS	R6-2L	24X30	5.00						ONE WAY (LEFT)	6173700B		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITIO CONTRACTOR FURNISHED/RETAINED
W08-4	48X48	16.00						SOFT SHOULDER	R6-2R	24X30	5.00						ONE WAY (RIGHT)			TEMP. TRAFFIC BARRIER STIFFNESS TRANSITIO CONTRACTOR FURNISHED/RETAINED
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-9	24X12	2.00						SIDEWALK CLOSED	6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITIO CONTRACTOR FURNISHED/RETAINED
W08-6	48X48	16.00						TRUCK CROSSING	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			TEMP. TRAFFIC BARRIER STIFFNESS TRANSITIO CONTRACTOR FURNISHED/RETAINED
W08-6c	48X48	16.00						TRUCK ENTRANCE	R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6174000A		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITIO CONTRACTOR FURNISHED/RETAINED
W08-7	36X36	9.00						LOOSE GRAVEL	R10-6	24X36	6.00	2	12.00				STOP HERE ON RED (45° ARROW)		1000'	TEMP. REMOVALBE MARKING TAPE, 4" WHITE
W08-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-2	48X30	10.00	2	20.00				ROAD CLOSED	6205303B	2000'	TEMP. REMOVALBE MARKING TAPE, 4" YELLOW
W08-9	48X48	16.00						LOW SHOULDER	R11-3a	60X30	12.50						ROAD CLOSED	6205309	24'	TEMP. REMOVALBE MARKING TAPE, 24" WHITE
W08-11	48X48	16.00	8	128.00				UNEVEN LANES	R11-4	60X30	12.50						ROAD CLOSED XX MILES AHEAD	6207001	2000'	PAVEMENT MARKING REMOVAL
W08-12	48X48	16.00	8	128.00				NO CENTER LINE	CONST-3A	60X48	20.00						LOCAL TRAFFIC ONLY	6208064A		TEMPORARY RAISED PAVEMENT MARKER
W08-15	48X48	16.00						GROOVED PAVEMENT	CONST-3X	56X12	4.67						ROAD CLOSED			



NOTES:

SEE TYPICALS FOR RESURFACING DETAILS.

SEE PAVEMENT MARKING SHEETS FOR DETAILS.

USE IN PLACE, EXISTING CONDUIT AND CABLE FOR SIGNALS AND LIGHTING.

THE CONTRACTOR SHALL NOT DAMAGE EXISTING UTILITIES WITHIN THE WORK AREA DURING CONSTRUCTION. SEE MISSOURI STANDARD SPECIFICATIONS 105.7.3

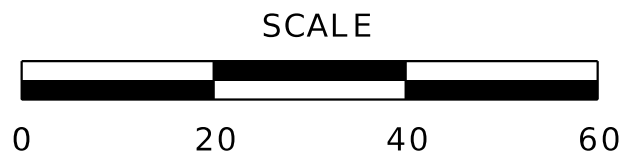
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

ALL STATIONS AND/OR LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CAN VARY AS APPROVED BY ENGINEER.

ANY AND ALL IRREGULARITIES MAY BE UNDERRUN AND NO ADJUSTMENT TO ANY UNIT BID COST WILL BE MADE.

ALL BEARINGS BASED ON STATE PLANE BEARINGS WESTERN ZONE

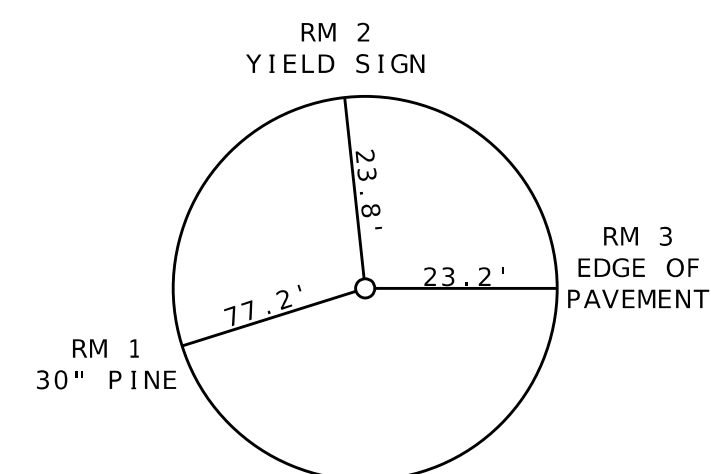
ISLAND RADIUS TIES		
POINT	NORTH	EAST
1	272852.194	2955714.75
2	272829.526	2955717.99
3	272828.461	2955703.24
4	272840.348	2955764.43
5	272831.917	2955765.64
6	272833.938	2955788.61



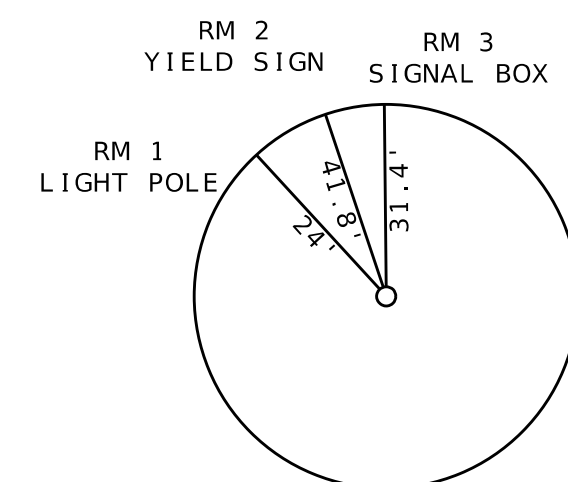
US 60 & ROUTE 37
SHOULDERS & ISLANDS
PLAN SHEET
SHEET 1 OF 1

DATE PREPARED 9/5/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 4
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
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)
1411 East 104th St. Kansas City, MO 64131 Tel (816) 874-6855 Fax (816) 874-6075 www.trekkgroup.com	Miscut Cut of Authority 202510300
TREKK DESIGN GROUP, LLC	

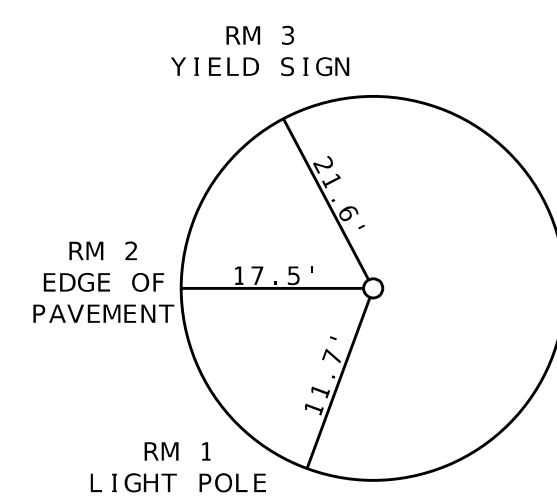
ROUTE 60 & ROUTE 37
REFERENCE POINTS
MISSOURI STATE PLANE COORDINATE SYSTEM
WESTERN ZONE, GEOID 2018, NAVD-88
RECIPROCAL AVERAGE GRID FACTOR: 1.0000838



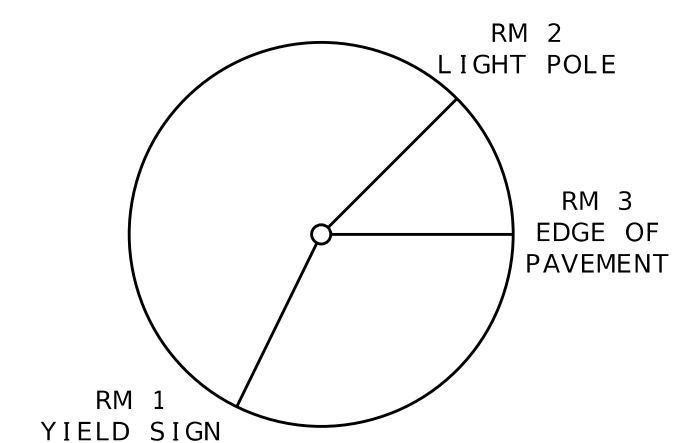
CP #800
N: 272,696.3410
E: 2,955,780.8740
ELEV: 1286.5830
STA. 393+30.4 105.8' RT
5/8 REBAR WITH CAP



CP #801
N: 272,707.0680
E: 2,955,839.7940
ELEV: 1290.37
STA. 0+87.8 107.6' RT
5/8 REBAR WITH CAP



CP #803
N: 272,870.1980
E: 2,955,803.9470
ELEV: 1285.4130
STA. 393+13.3 71.7' LT
5/8 REBAR WITH CAP



CP #802
N: 272,871.9190
E: 2,955,668.2950
ELEV: 1285.1740
STA. 0+65.8 57.8' LT
5/8 REBAR WITH CAP

REFERENCE POINTS
SHEET 1 OF 1

TREKK DESIGN GROUP, LLC		DATE PREPARED		9/5/2025	
		ROUTE		STATE	
		60		MO	
		DISTRICT		SHEET NO.	
		SW		5	
		COUNTY			
		BARRY/NEWTON			
		JOB NO.			
		J7P3386			
		CONTRACT ID.			
PROJECT NO.					
BRIDGE NO.					

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

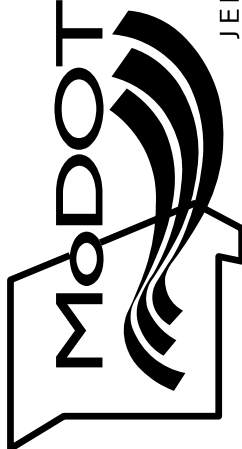
ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.		
PROJECT COORDINATE INFORMATION		
COORDINATE SYSTEM	MO SPC 83	
HORIZONTAL DATUM	NAD 83	
VERTICAL DATUM	NAVD 88	
GEOID MODEL	GEOID 18	
ELEVATIONS DETERMINED BY	RTK OBSERVATION USING MODOT GPS NETWORK	
PROJECT PROJECTION FACTOR		1.00008380
REFERENCE CONTROL INFORMATION		
COORDINATE SYSTEM	MO STATE PLANE, WESTERN ZONE	
CONTROL STATION	MODOT CORS	
DESIGNATION	MODOT CORS ARP	
CORS_ID	MOMO	
PID	DM4682	
LATITUDE	36°55'00.4861N	
LONGITUDE	93°58'59.0155W	
NORTHING (M)	83361.7080	
EASTING (M)	896061.2570	
ZONE	MO STATE PLANE WESTERN ZONE	
PROJECT AVERAGE GRID FACTOR		0.99991620
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 #800 N 272696.341 X 0.99991620= N 272673.489 E2955700.874 X 0.9999162 = E 2955453.1863		
LINEAR UNIT CONVERSION		
1 METER = 3.280833333 US SURVEY FEET (USFT)		

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								
4	393+40.41	RTE 60 W	106.08R	272,696.34	2,955,700.87	1,286.58	5/8 REBAR WITH CAP	CP 800
4	0+87.20	RTE 60 E	107.57R	272,707.07	2,955,839.79	1,290.37	5/8 REBAR WITH CAP	CP 801
4	0+65.78	RTE 60 E	58.07L	272,870.20	2,955,803.95	1,285.41	5/8 REBAR WITH CAP	CP 802
4	393+15.34	RTE 60 W	71.67L	272,871.92	2,955,668.30	1,285.17	5/8 REBAR WITH CAP	CP 803
ALIGNMENTS								
4	377+00.00	RTE 60 W	0	272,732.78	2,954,064.17		START	
4	380+19.6085	RTE 60 W	0	272,727.07	2,954,383.72		PC	
4	383+98.6186	RTE 60 W	0	272,720.31	2,964,762.67		HP I	
4	387+76.9246	RTE 60 W	0	272,753.52	2,955,140.23		PT	
4	393+82.5334	RTE 60 W	0	272,806.58	2,955,743.51		END	
4	0+00.00	RTE 60 E	0	272,806.58	2,955,743.51		START	
4	4+32.40	RTE 60 E	0	272,844.47	2,956,174.24		PC	
4	7+09.48	RTE 60 E	0	272,868.47	2,956,174.24		HP I	
4	9+85.60	RTE 60 E	0	272,852.92	2,956,726.89		PT	
4	20+02.40	RTE 60 E	0	272,794.86	2,957,742.04		END	
4	20+00.00	RTE 37 N	0	273,517.72	2,955,615.70		START	
4	21+46.89	RTE 37 N	0	273,374.85	2,955,649.82		PC	
4	22+78.94	RTE 37 N	0	273,246.46	2,955,680.49		HP I	
4	24+10.81	RTE 37 N	0	273,115.68	2,955,699.22		PT	
4	27+23.07	RTE 37 N	0	272,806.58	2,955,743.51		END	
4	0+00.00	RTE 37 S	0	272,806.58	2,955,743.51		START	
4	5+47.78	RTE 37 S	0	272,275.15	2,955,876.34		END	

COORDINATE POINTS
SHEET 1 OF 1

DESCRIPTION							
DATE							

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



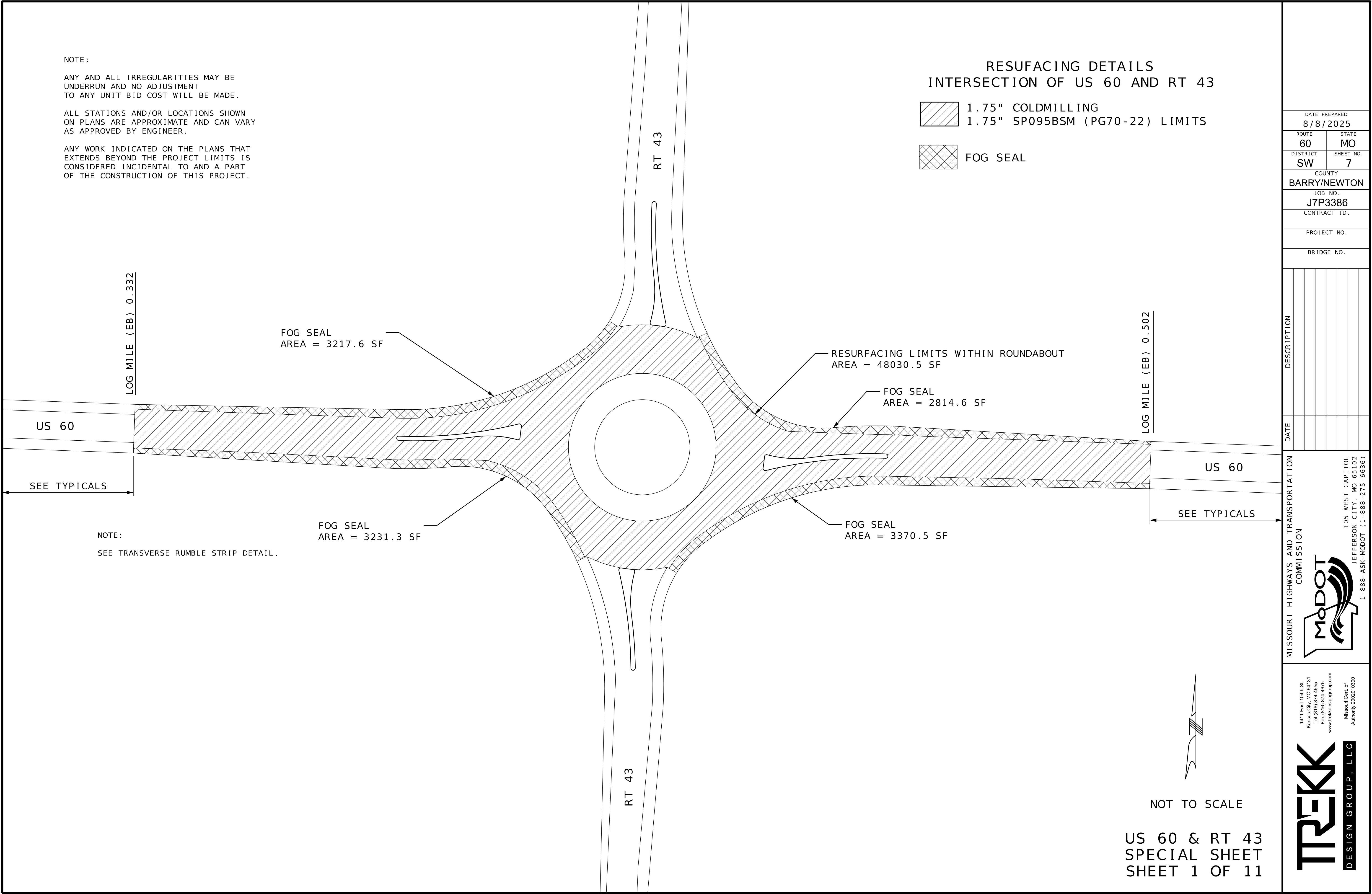
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

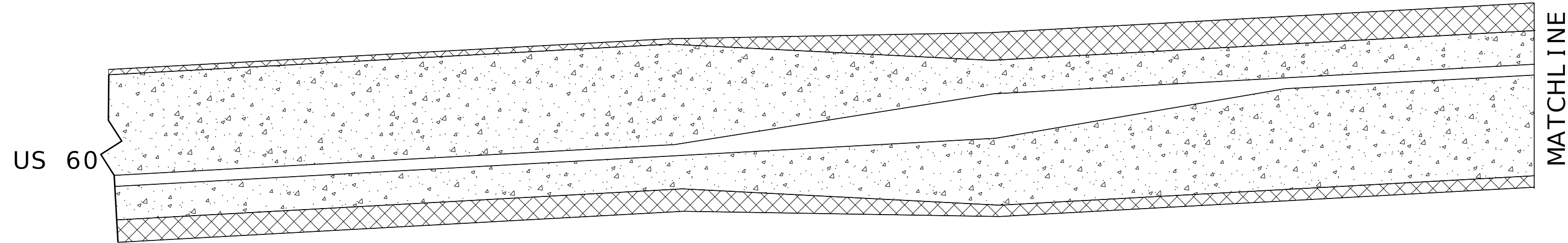


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Kansas City, MO 64131
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Fax (816) 874-4675
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Transportation
Authority 202010300

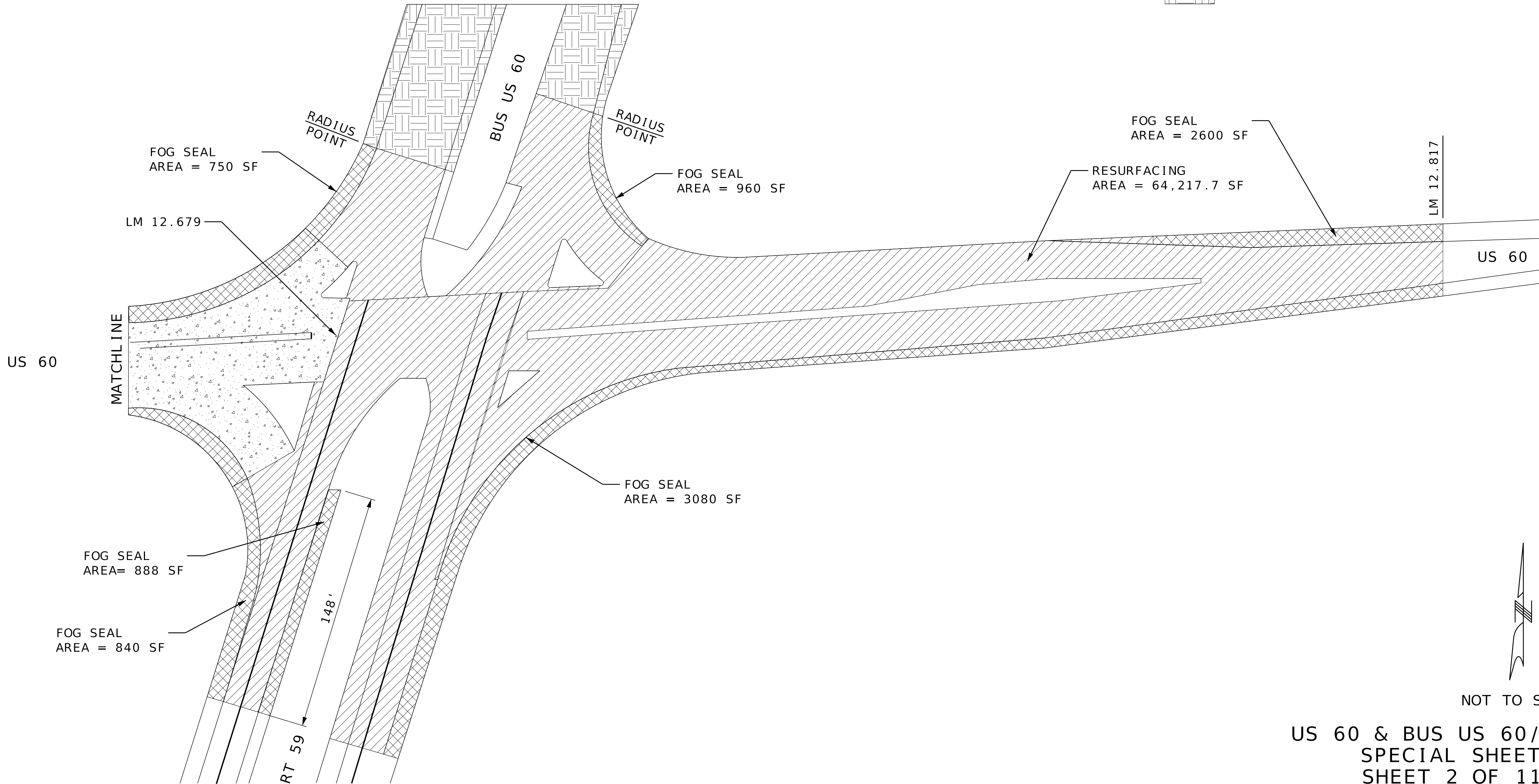
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





RESURFACING DETAILS
INTERSECTION OF US 60 AND RT 59

- 1.75" SP095C (PG70-22) LIMITS (MILL & FILL)
- FOG SEAL
- CONCRETE PAVEMENT (UIP)
- PROJECT J7S3390 LIMITS



NOT TO SCALE

US 60 & BUS US 60/RT 59
SPECIAL SHEET
SHEET 2 OF 11

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

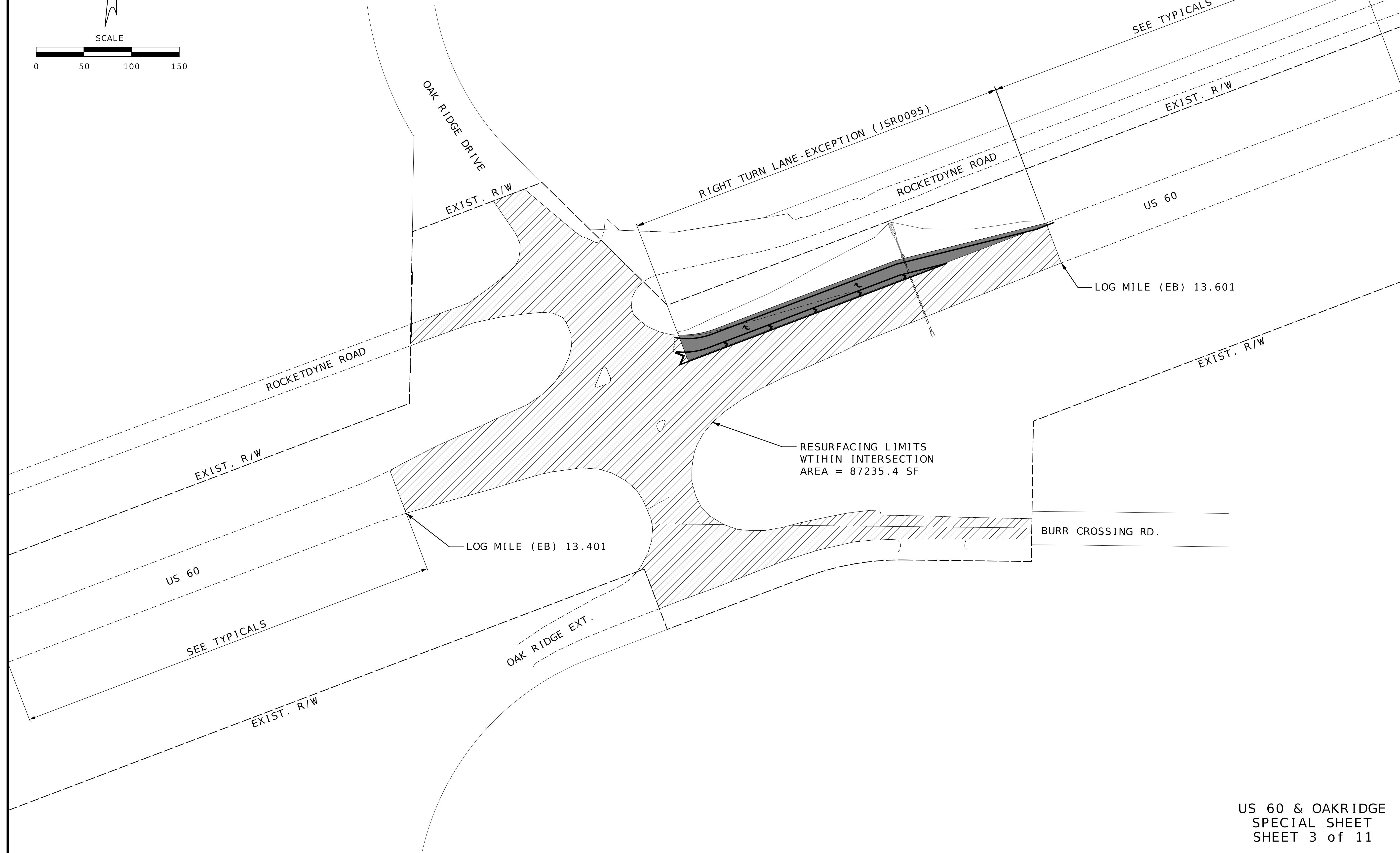
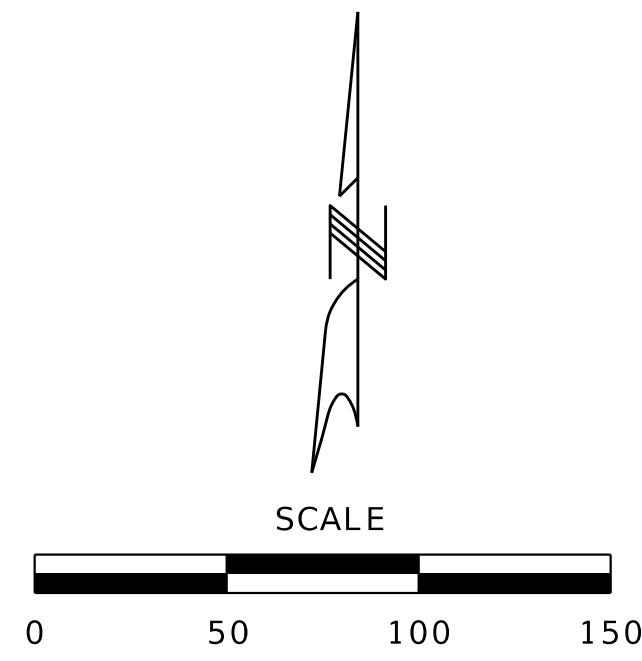
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Kansas City, MO 64131
Tel (816) 974-4655
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Missouri Dept. of
Transportation
Authority 202010300

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

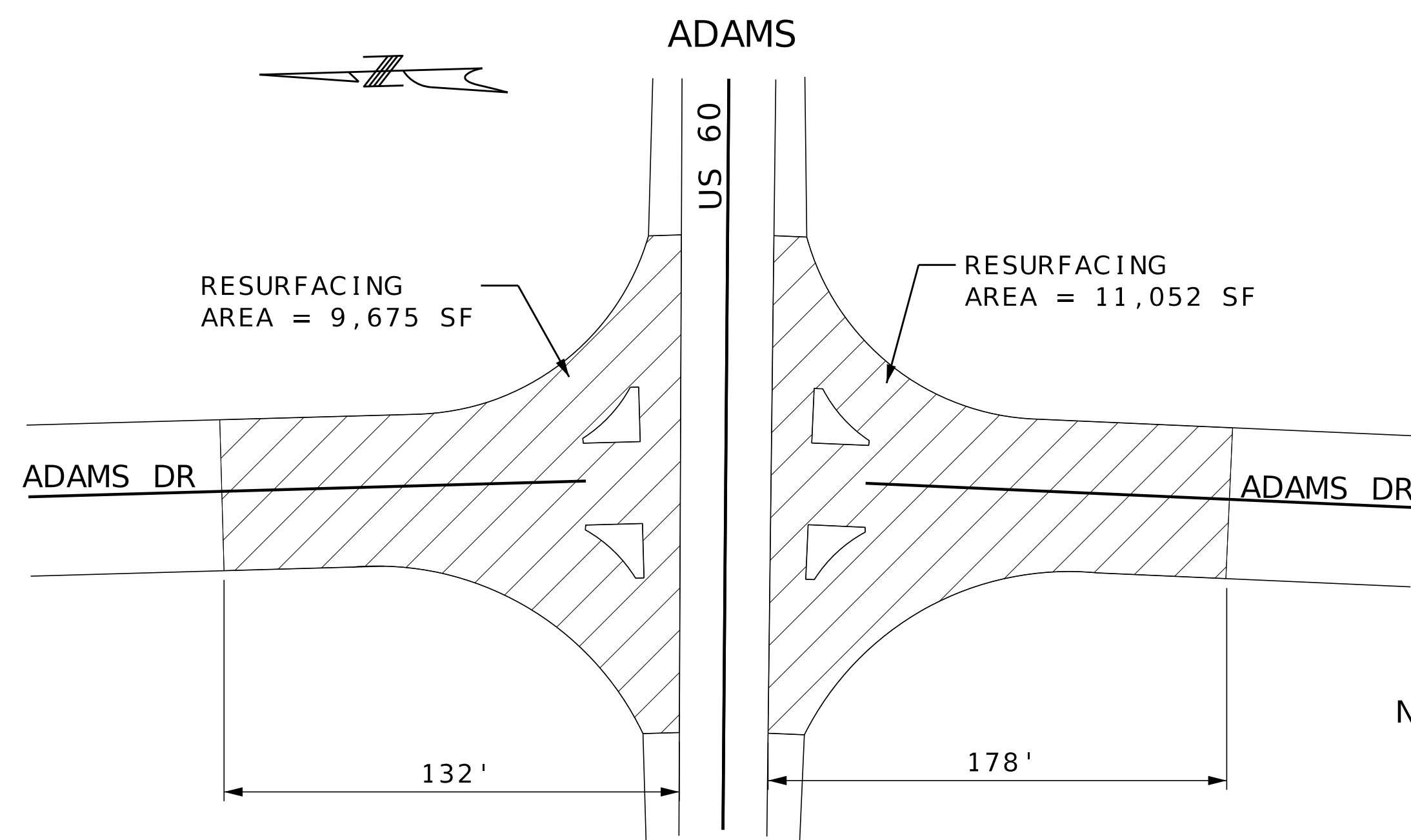
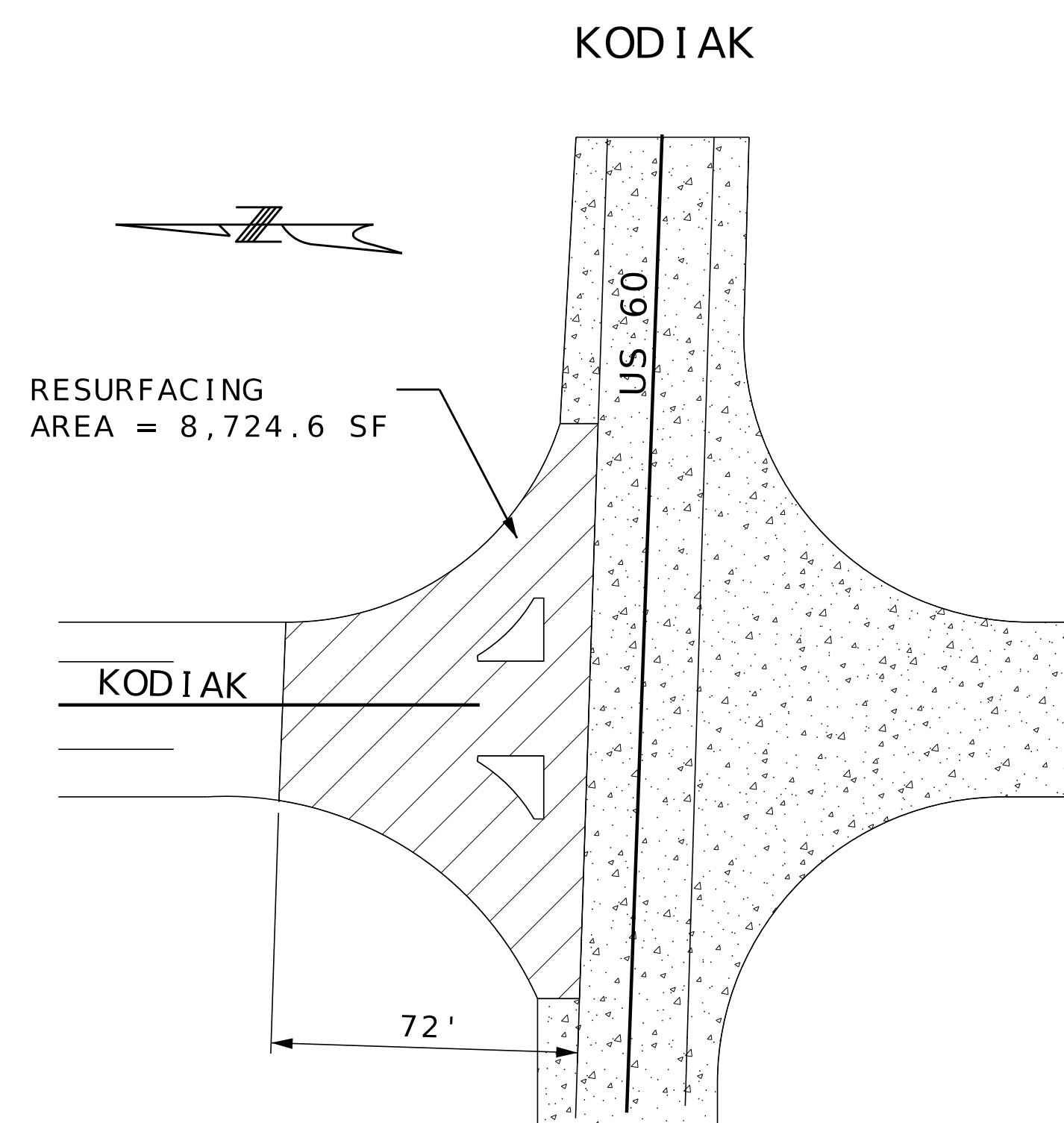
	NEW RIGHT TURN LANE - EXCEPTION (JSR0095)
	1.75" COLDMILLING 1.75" SP095C (PG70-22) LIMITS



US 60 & OAKRIDGE
SPECIAL SHEET
SHEET 3 of 11

[illegible]

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



RESUFACING DETAILS

 1.75" SP095C (PG70-22) LIMITS
(MILL & FILL)

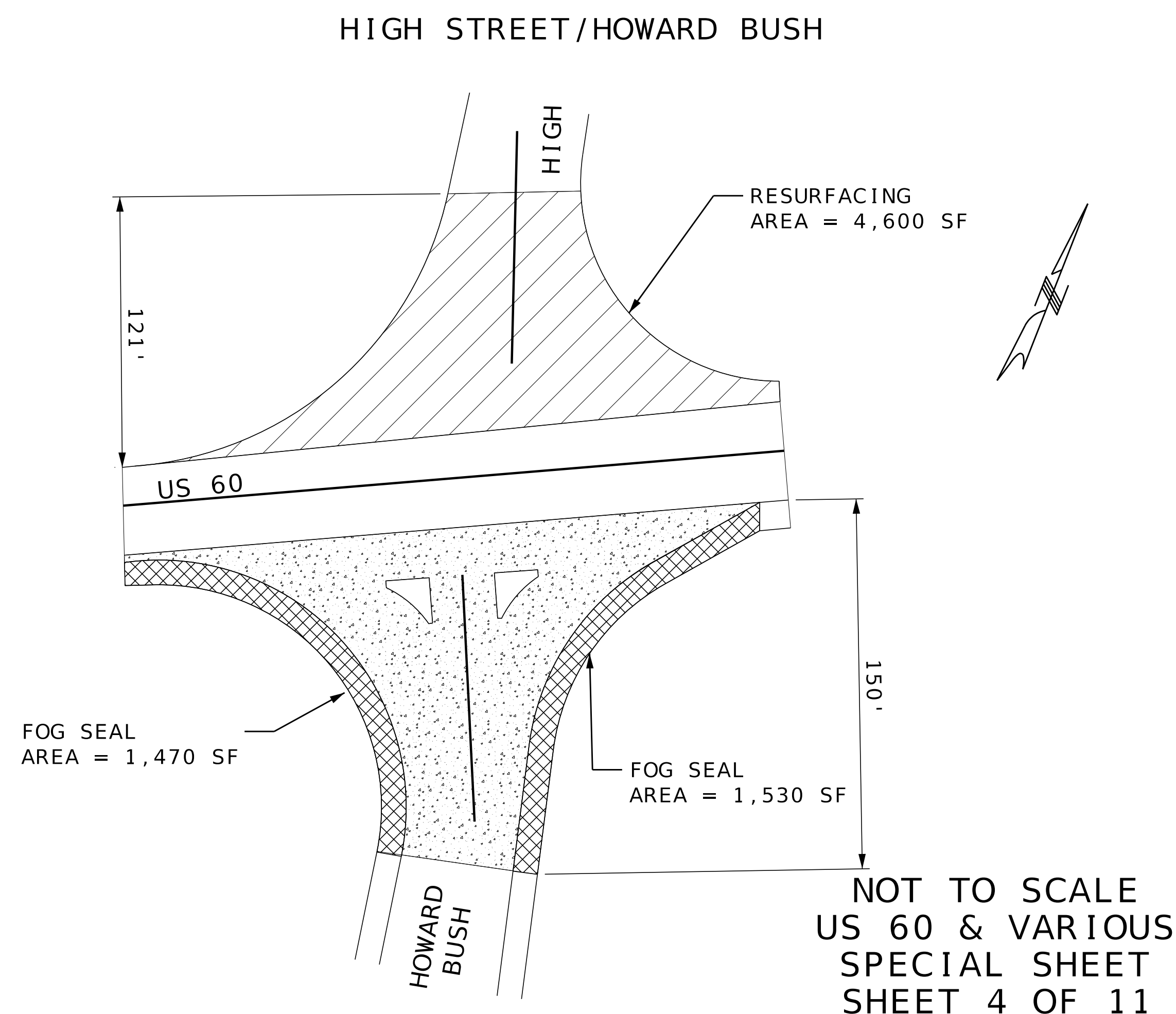
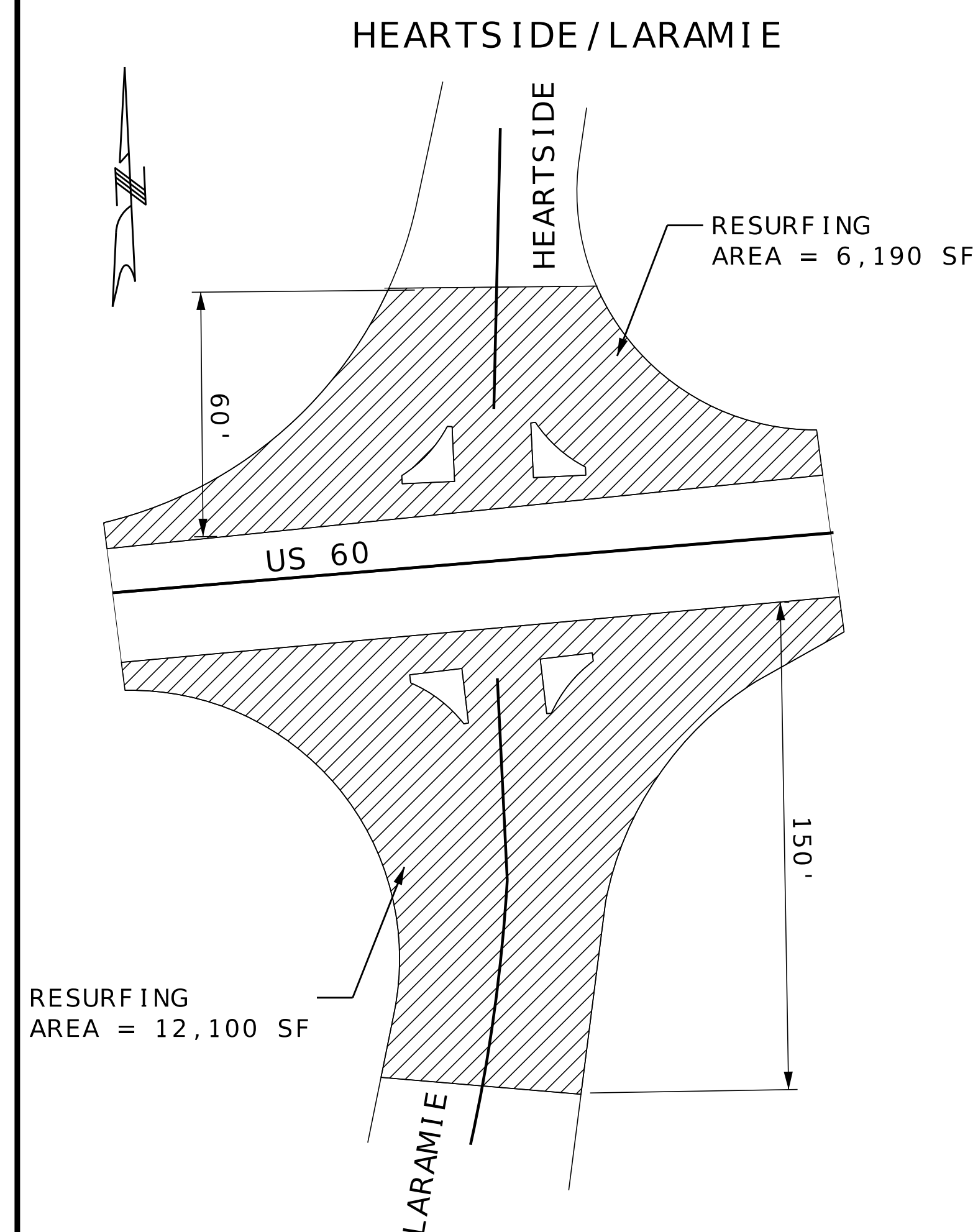
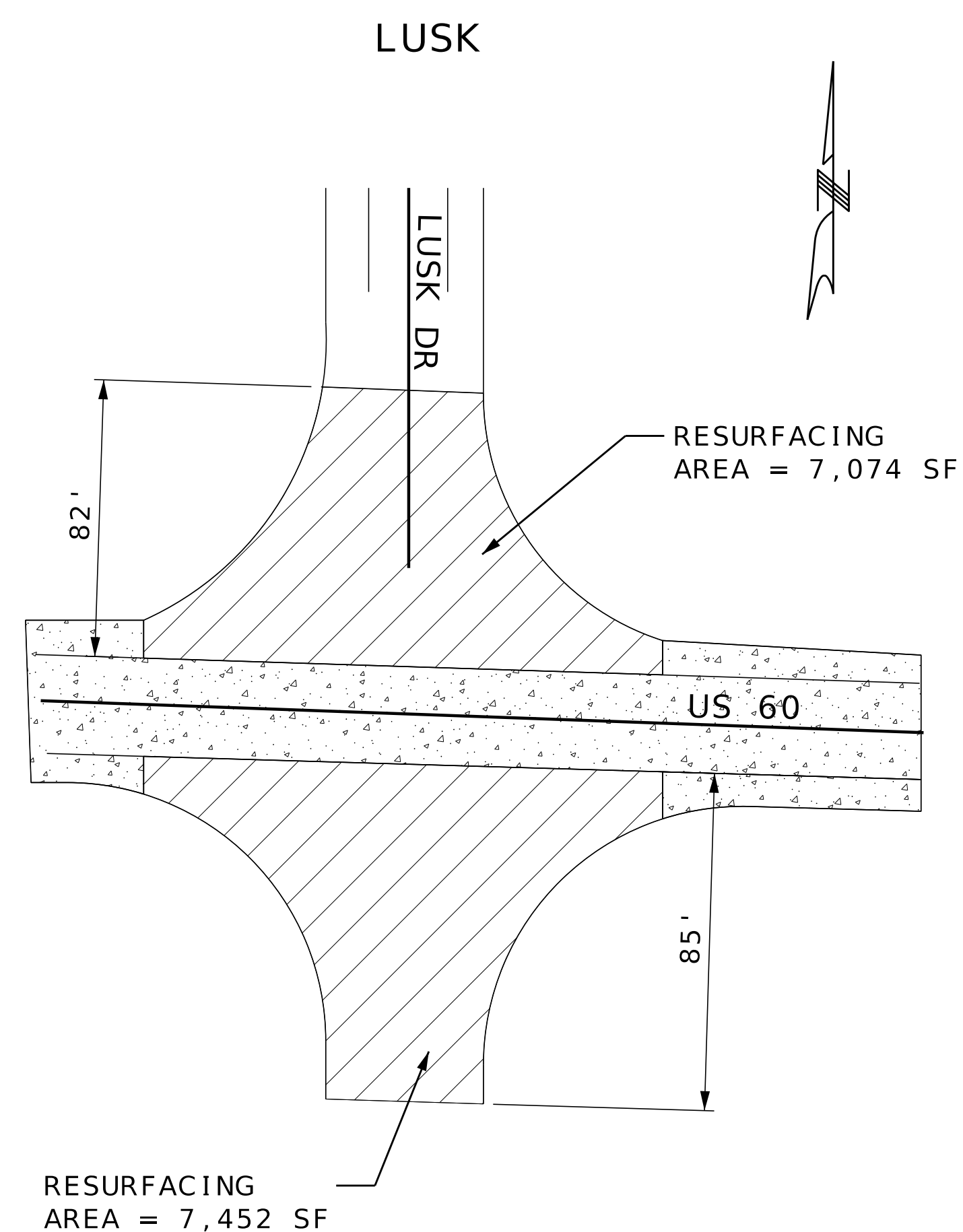
 1.5" SP095C (PG70-22) LIMITS
(MILL & FILL)



CONCRETE PAVEMENT (UIP)

 FOG SEAL

NOTE: SEE TYPICAL SECTIONS FOR US 60 RESURFACING
ALL DIMENSIONS SHOW ARE TO RIGHT OF WAY LINE



NOT TO SCALE
US 60 & VARIOUS
SPECIAL SHEET
SHEET 4 OF 11

[illegible]



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITAL
JEFFERSON CITY, MO 65102

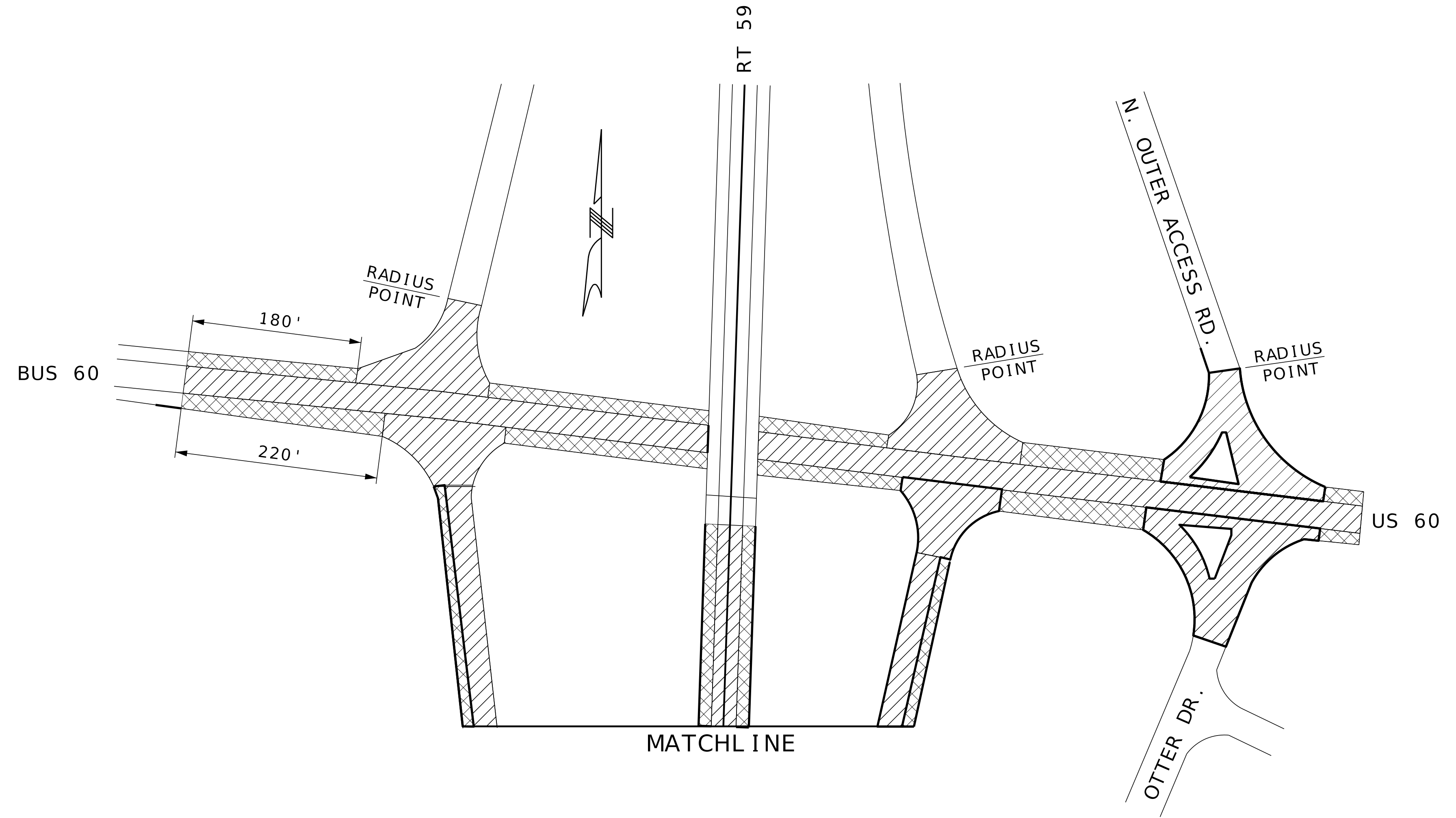
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Authority 2002010300

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DESIGN GROUP, LLC

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JEFFERSON CITY, MO 65102

[illegible]



TREK
DESIGN GROUP, LLC

US 60

RT 86

100'

RT 86

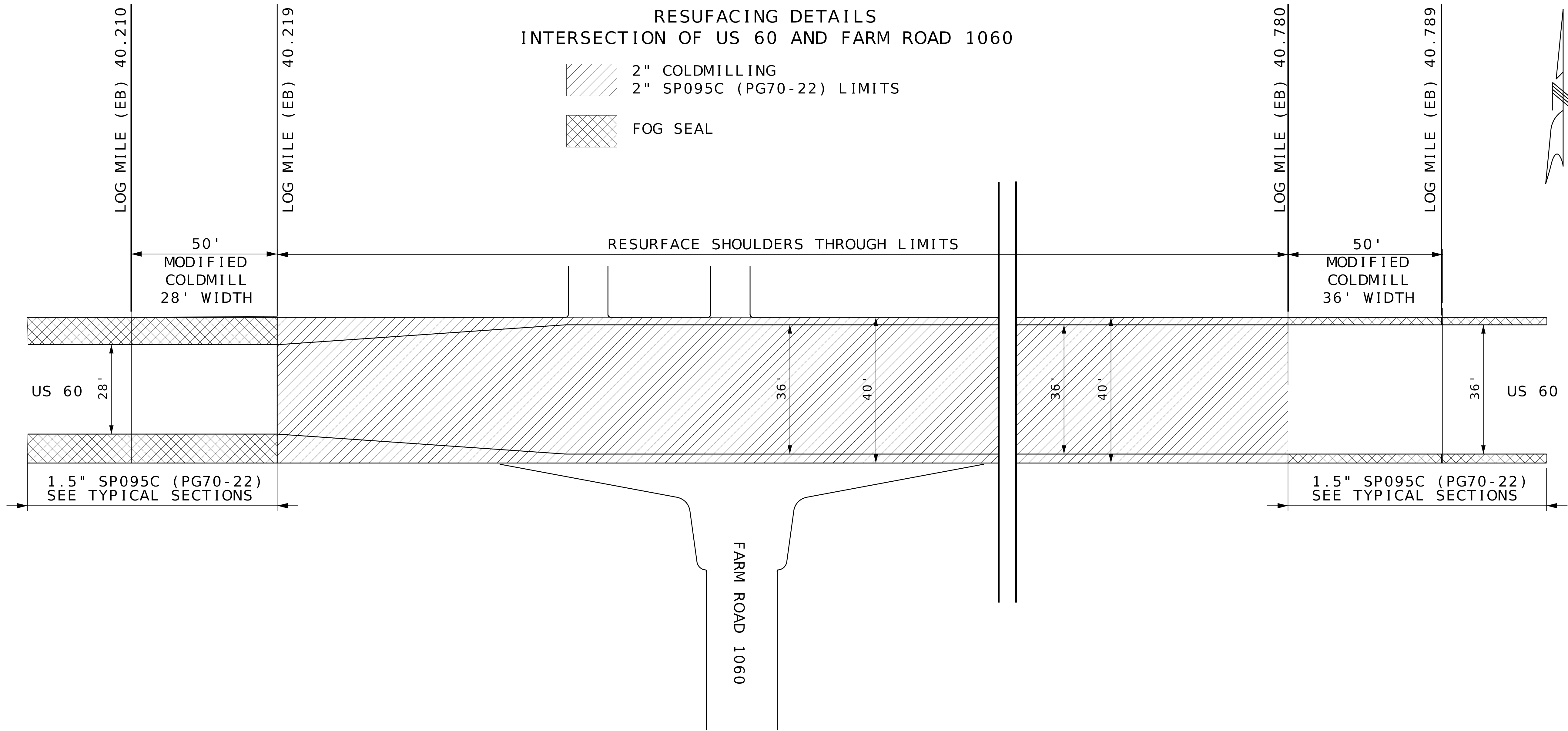
US 60

92'

[illegible]

DATE PREPARED	
8/8/2025	
ROUTE	STATE
60	MO
DISTRICT	SHEET NO.
SW	12
COUNTY	
BARRY/NEWTON	
JOB NO.	
J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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



NOT TO SCALE
US 60 & FARM ROAD 1060
SPECIAL SHEET
SHEET 7 OF 11

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
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Fax (816) 674-6075
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DESIGN GROUP, LLC

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Authority 202410300

DATE PREPARED
9/5/2025

ROUTE 60 STATE MO

DISTRICT SW SHEET NO. 13

COUNTY BARRY/NEWTON

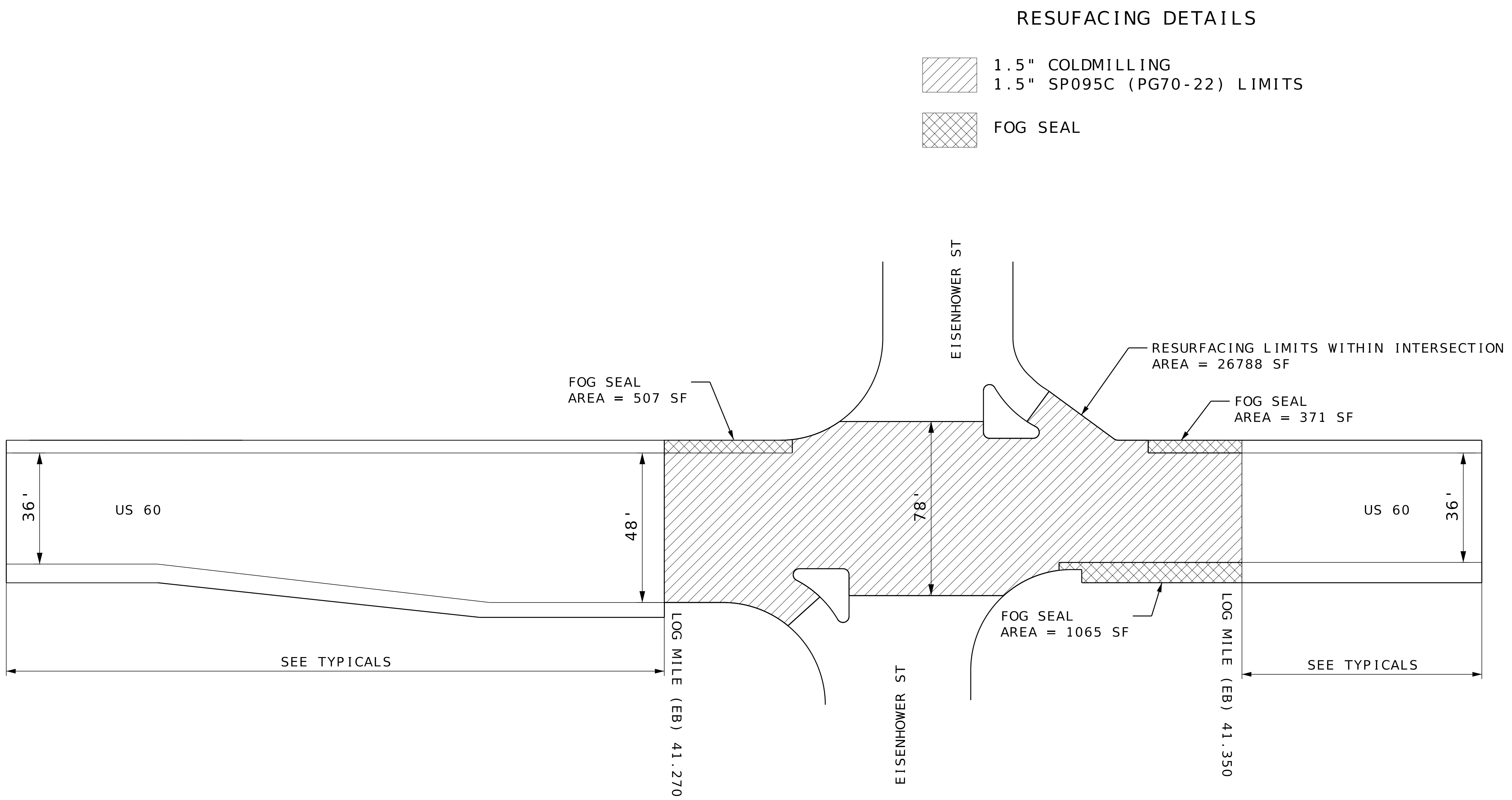
JOB NO. J7P3386

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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



NOT TO SCALE
US 60 & EISENHOWER ST
SPECIAL SHEET
SHEET 8 OF 11

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Fax (816) 974-4675
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Transportation
Authority 202610300

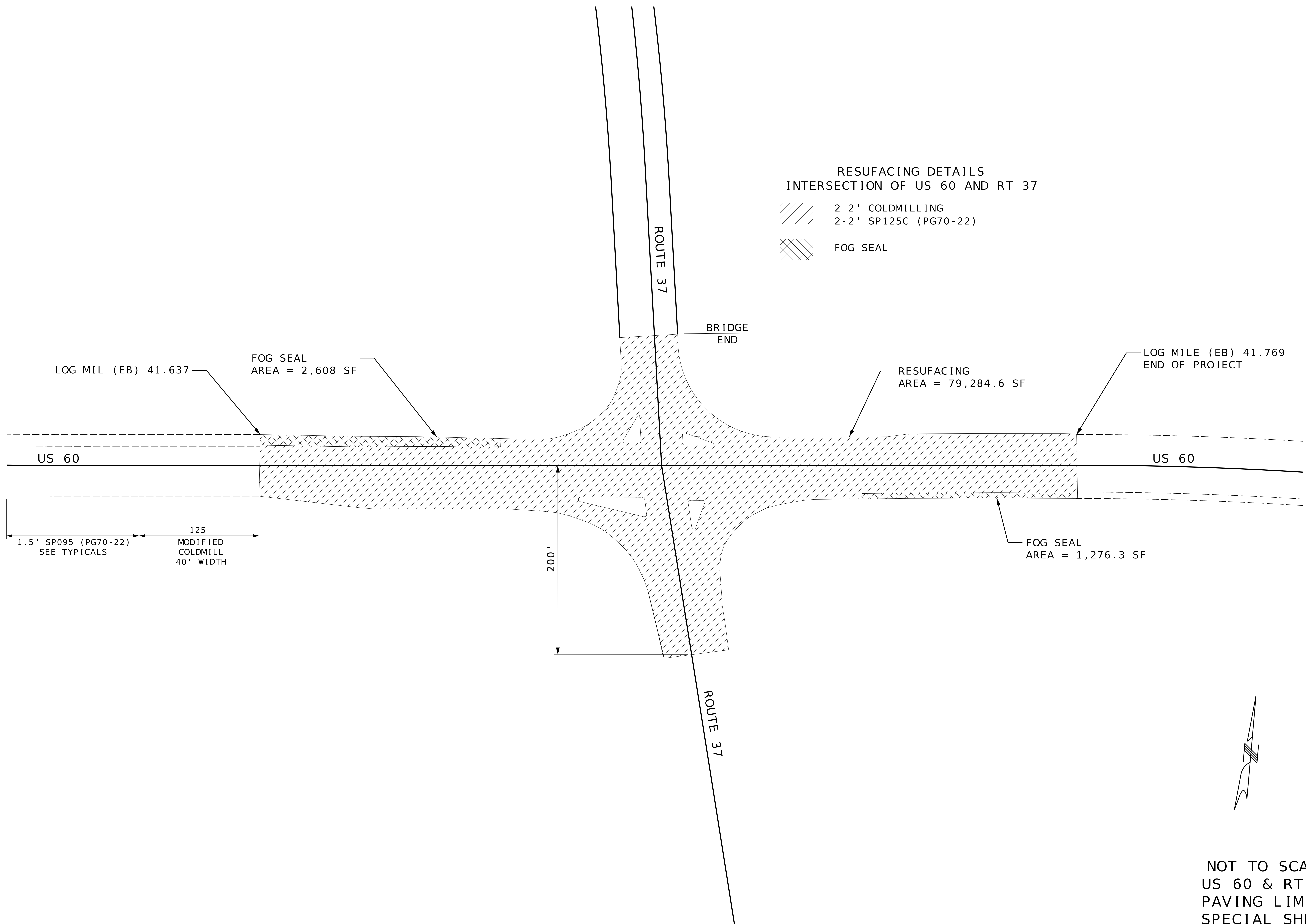
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

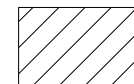
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 14
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION

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



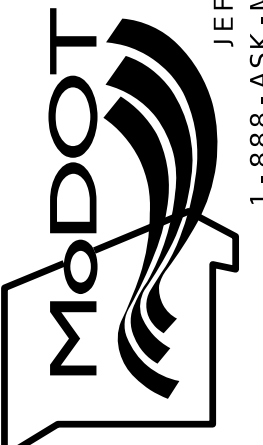
RESUFACING DETAILS
INTERSECTION OF US 60 AND RT 37

-  2-2" COLDMILLING
-  2-2" SP125C (PG70-22)
-  FOG SEAL

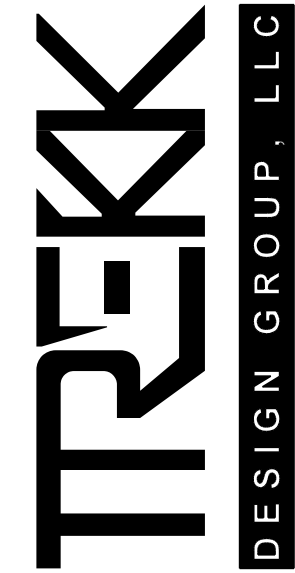
NOT TO SCALE
US 60 & RT 37
PAVING LIMITS
SPECIAL SHEET
SHEET 9 OF 11

DATE PREPARED 9/5/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 15
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



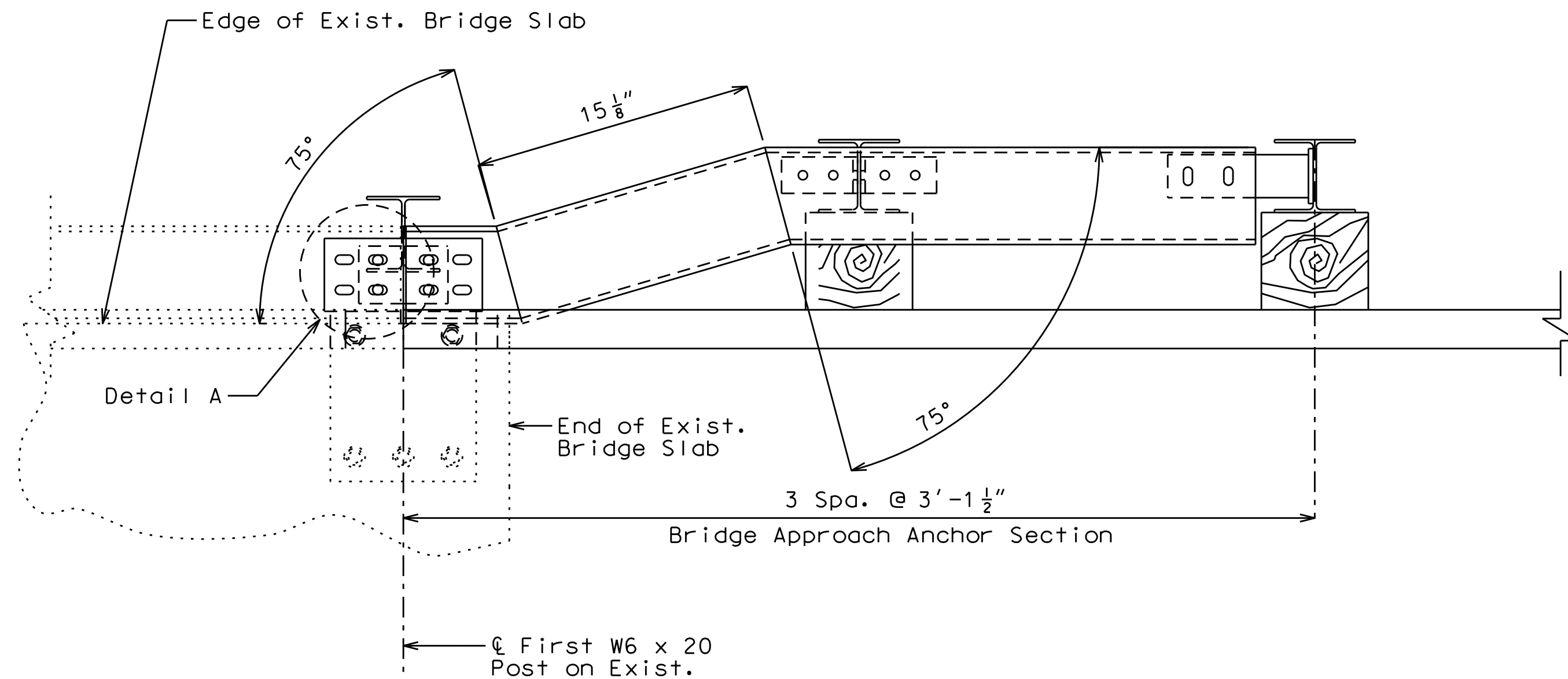
105 WEST CAPITOL
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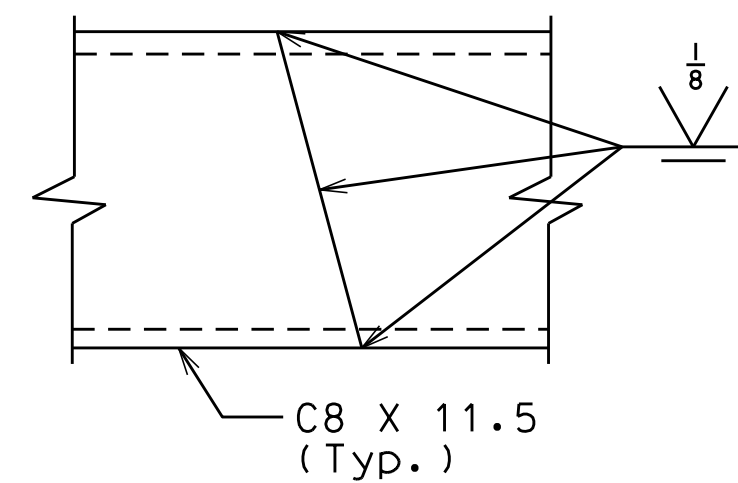
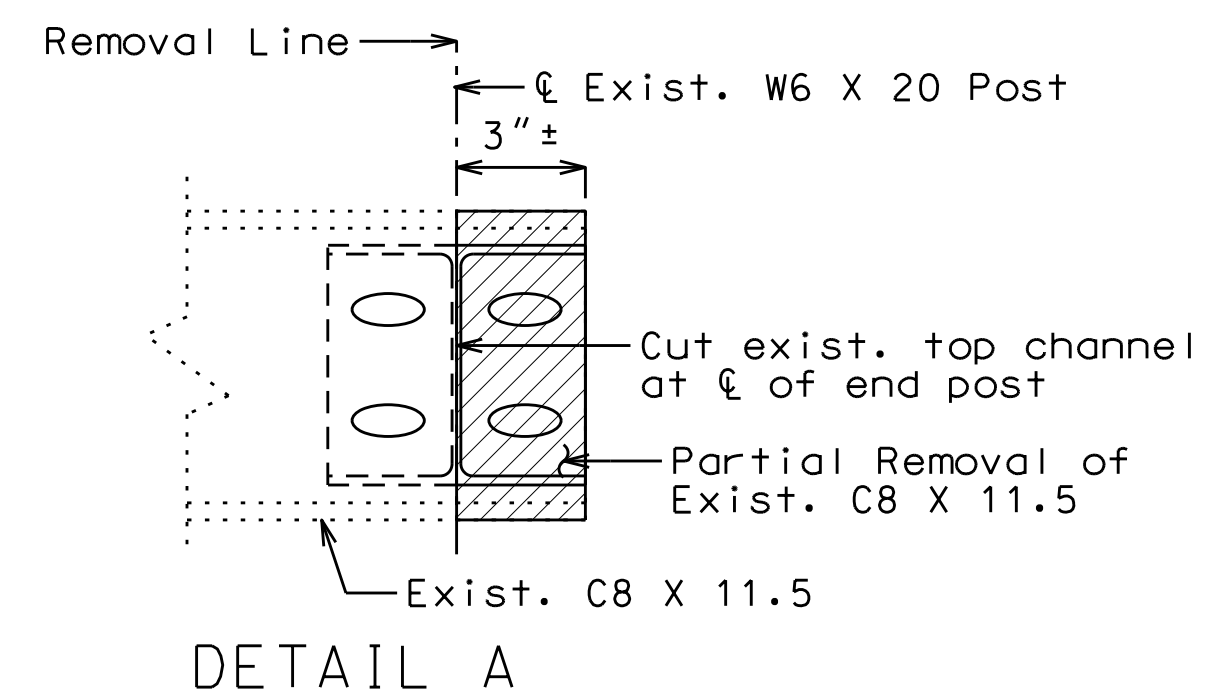
DESIGN GROUP, LLC

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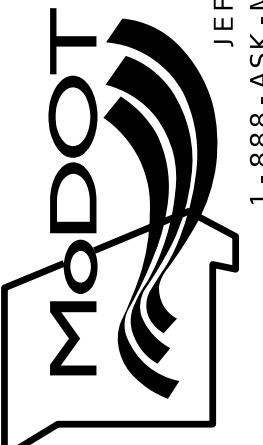
PART PLAN OF BRIDGE ANCHOR SECTION



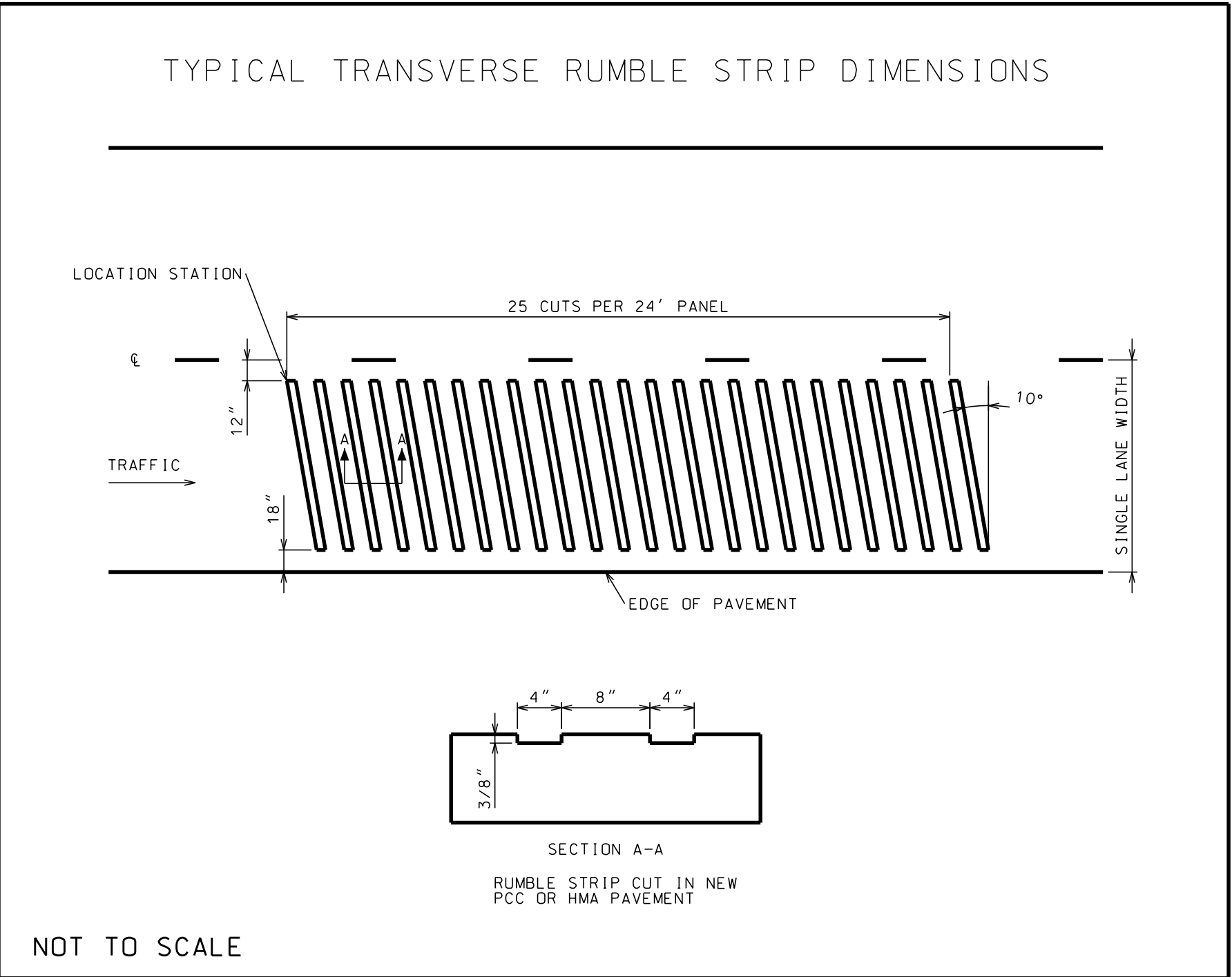
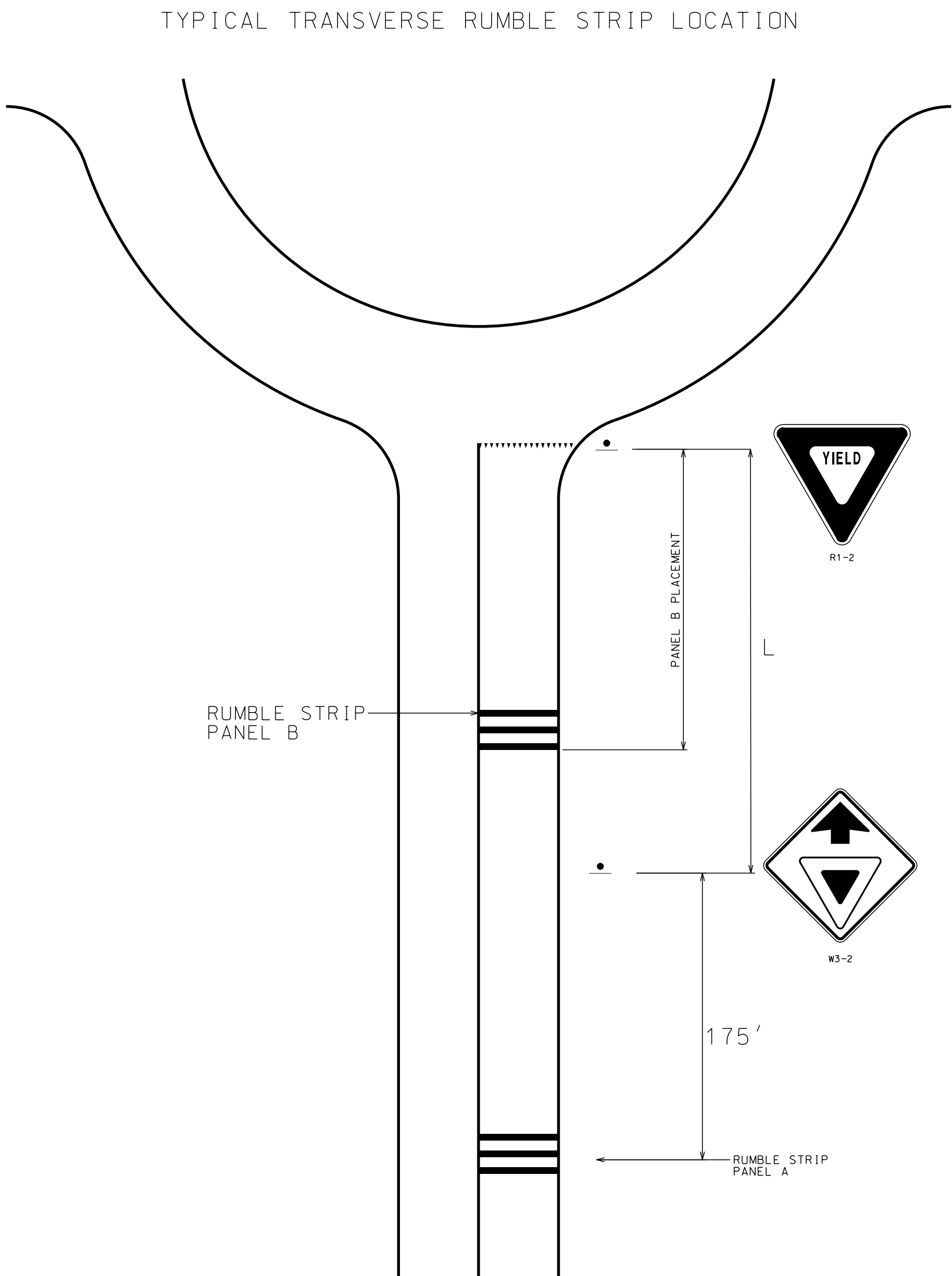
SPLICE DETAIL

NOTE:
FOR OTHER DETAILS, SEE MISSOURI STANDARD PLANS 606.70.

NOT TO SCALE
BRIDGE ANCHOR SECTION
SPECIAL SHEETS
10 OF 11

DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 16
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
1411 East 104th St. Kansas City, MO 64131 Tel (816) 674-4655 Fax (816) 674-6075 www.trekdesigngroup.com	
Missouri Dept. of Transportation Authority 202410300	
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTE:
INSTALL TRANSVERSE RUMBLE STRIPS AT ALL ROADWAY APPROACHES TO EACH ROUNDABOUT.

POSTED OR 85TH PERCENTILE SPEED (MPH)	L (FT)	RUMBLE STRIP PANEL B (FT)
0-45	0-194.4	N/A
50	240.0	250
55	290.3	300
60	345.5	350
65	405.5	400

TRANSVERSE RUMBLE STRIPS
SPECIAL SHEET
SHEET 11 OF 11

DATE PREPARED
8/11/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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Tel (816) 674-4655
Fax (816) 674-6075
www.trekkdesigngroup.com

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Missouri Dept. of
Transportation

TREKK

DESIGN GROUP, LLC

017_SS_11_11_J7P3386_11_TRANSVERSE_RUMBLE.dgn 10:36:10 AM 8/11/2025

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

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

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

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

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (L) (3)			MINIMUM SHOULDER TAPER LENGTH (T1) BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
						THROUGH TAPER	THROUGH WORK AREA
	10'	11'	12'				
0-35	205'	225'	245'	70'	250'	35'	40'
40-45	450'	495'	540'	150'	360'	40'	80'
50-55	550'	605'	660'	185'	495'	50'	80'
60-70	700'	770'	840'	235'	730'	60'	120'

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

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

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

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

DETAILS NOTES:

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

TAPER LENGTH (L)

L = W X S FOR 40 MPH OR MORE

$L = \frac{WS^2}{60}$ FOR 35 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

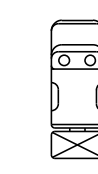
S = POSTED SPEED LIMIT, OR
OFF-PEAK 85TH PERCENTILE
SPEED PRIOR TO WORK
STARTING, OR THE ANTICIPATED
OPERATING SPEED IN MPH

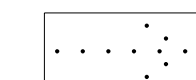
TRAFFIC CONTROL LEGEND

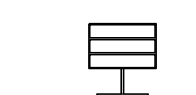
 SIGN (SINGLE SIDED)

 FLAGGER

 CHANNELIZER

 PROTECTIVE VEHICLE WITH
WORK SIGN, FLASHING ARROW
PANEL AND REAR-MOUNTED
IMPACT ATTENUATOR UNIT.

 FLASHING ARROW PANEL

 CHANGEABLE MESSAGE BOARD

 BARRICADE

LEGEND NOTE:

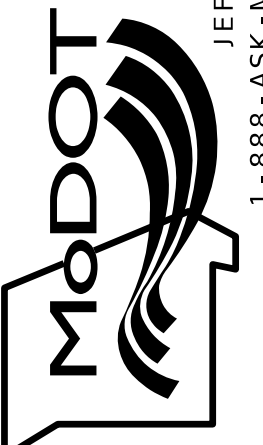
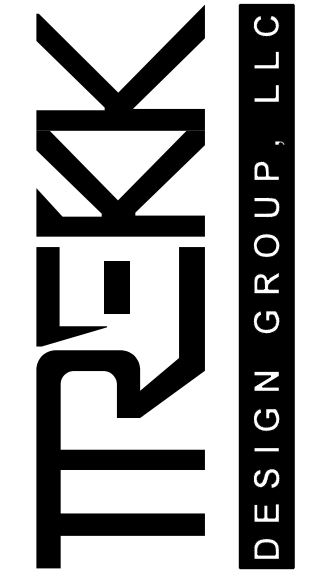
THE PROTECTIVE VEHICLE SIGN SHALL
BE MOUNTED AT A RECOMMENDED HEIGHT
OF 48 IN. ABOVE THE ROAD SURFACE.

GENERAL NOTES:

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

EPG TABLE 616.12 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
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

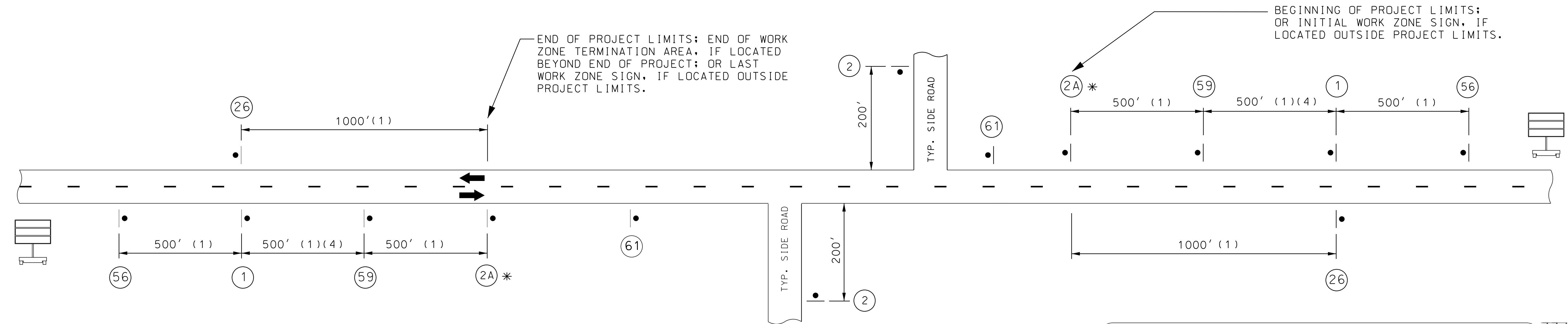
TEMPORARY TRAFFIC CONTROL
SHEET 1 OF 13

DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 18
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
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1411 East 104th St. Kansas City, MO 64131 Tel (816) 874-4655 Fax (816) 874-6075 www.trekdesigngroup.com	
Missouri Dept. of Transportation Authority 202610300	
	

GENERAL NOTES:

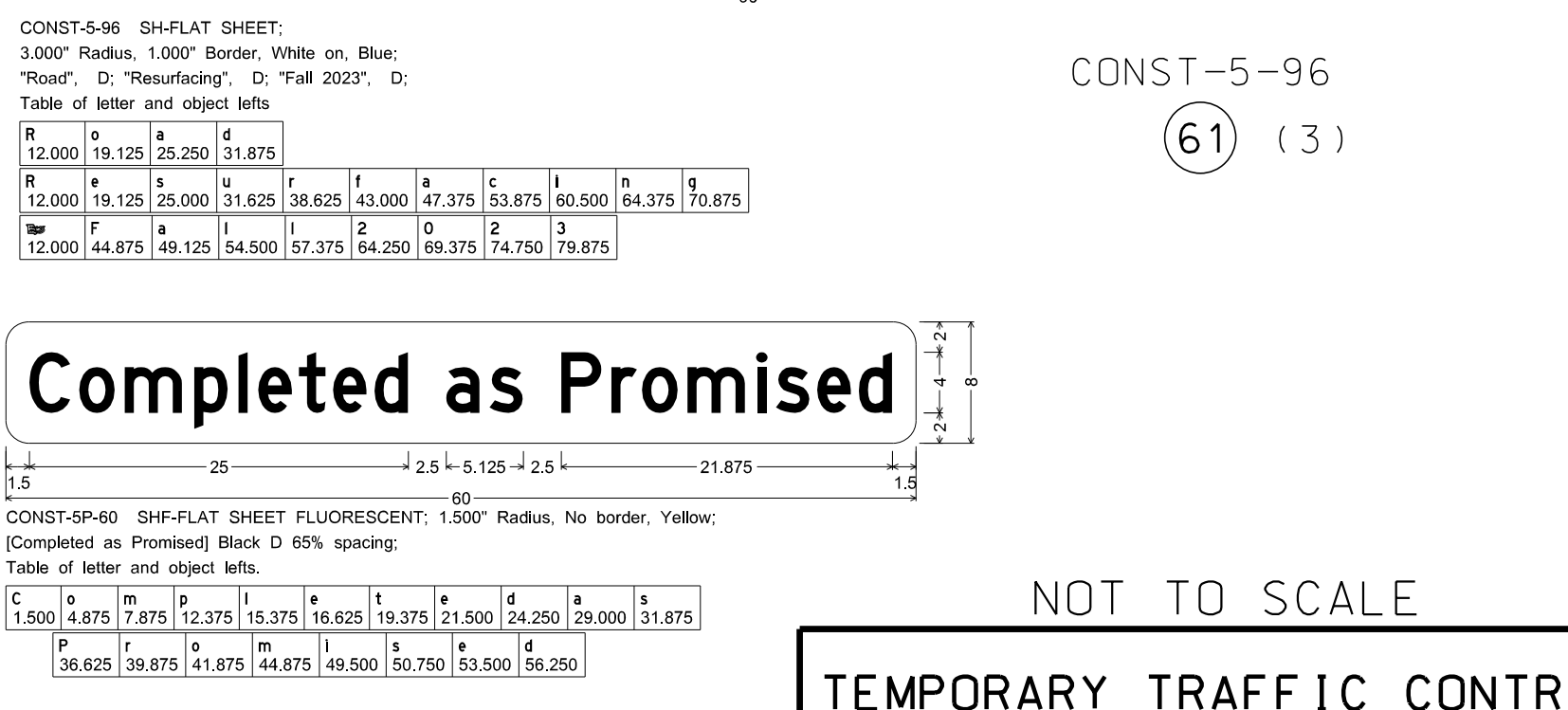
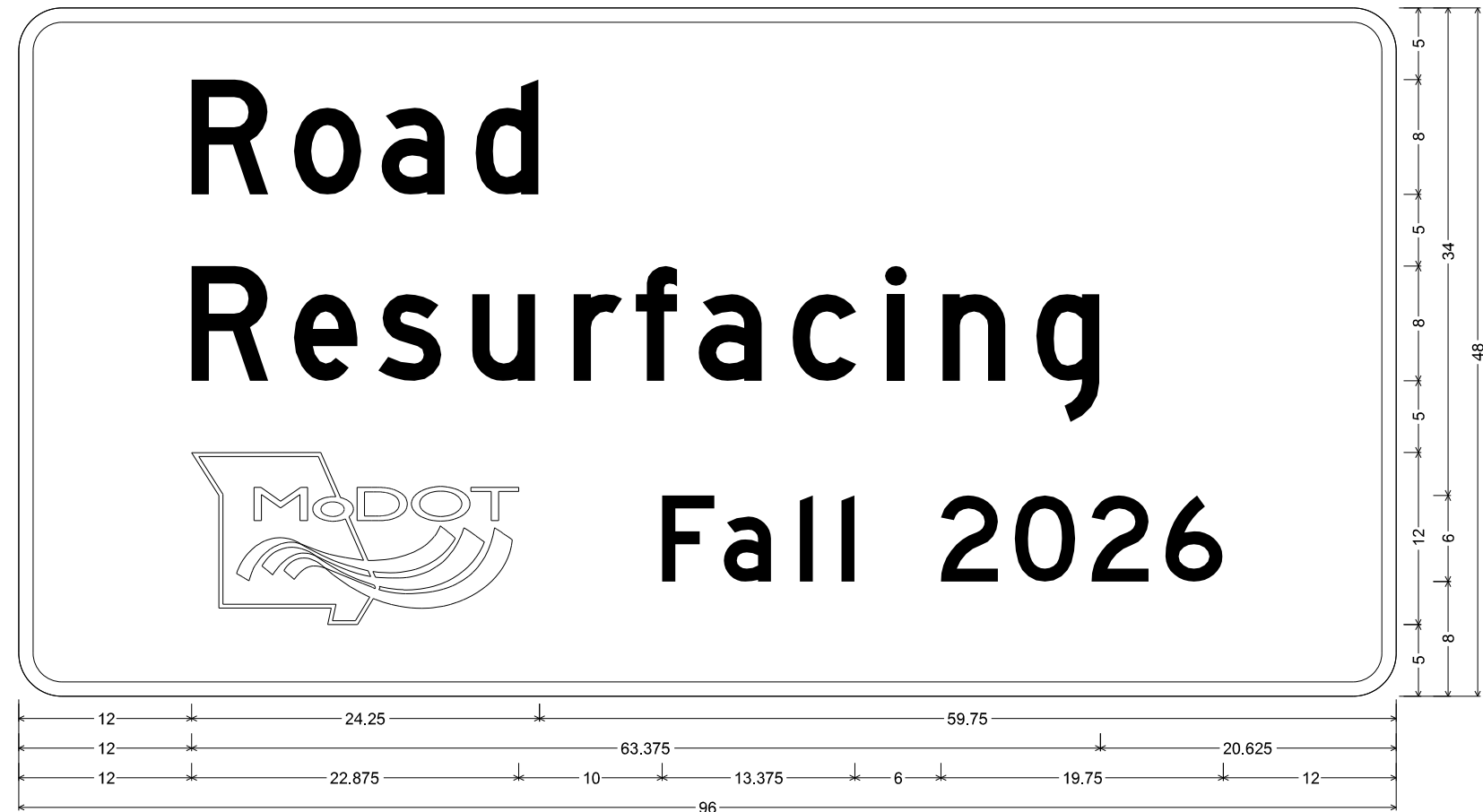
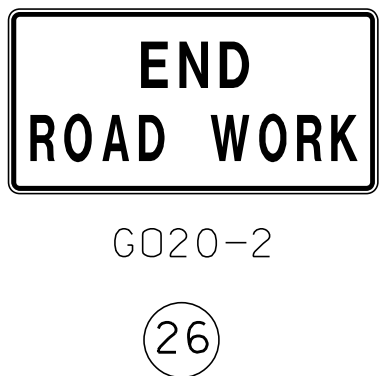
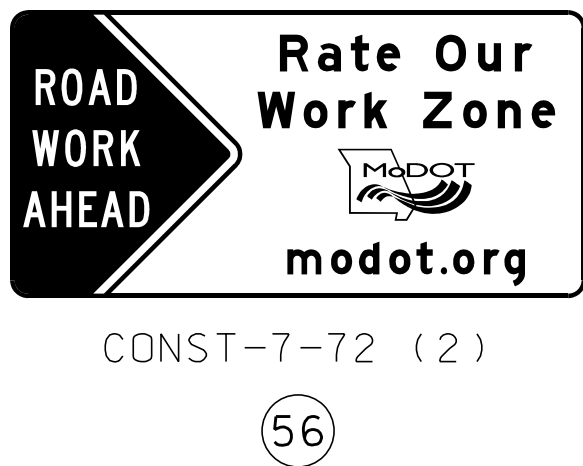
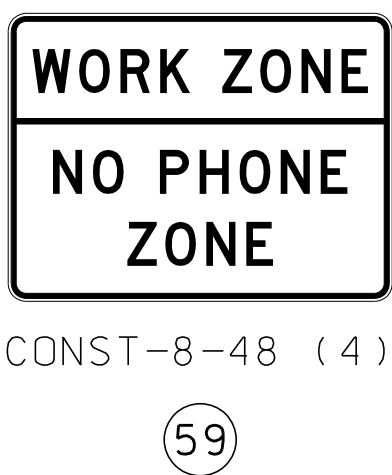
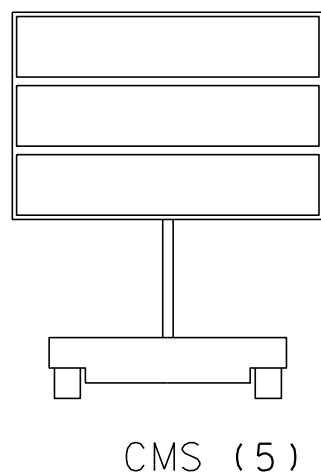
1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
4. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
5. REFER TO STANDARD DRAWING 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
6. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
7. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
8. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL.
9. ALL SIGNS, EXCEPT "RATE OUR WORK ZONES" SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER.
11. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
12. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
13. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
14. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
15. ADJUST ADVANCE WARNING SIGN SPACING TO AVOID SIGN PLACEMENT WITHIN THE LIMITS OF THE RAILROAD RIGHT OF WAY.
16. CONTRACTOR SHALL COORDINATE WITH ADA PROJECT J7S3506 AND INTERSECION PROJECT JSR0095.

REVISED: 5-3-2022



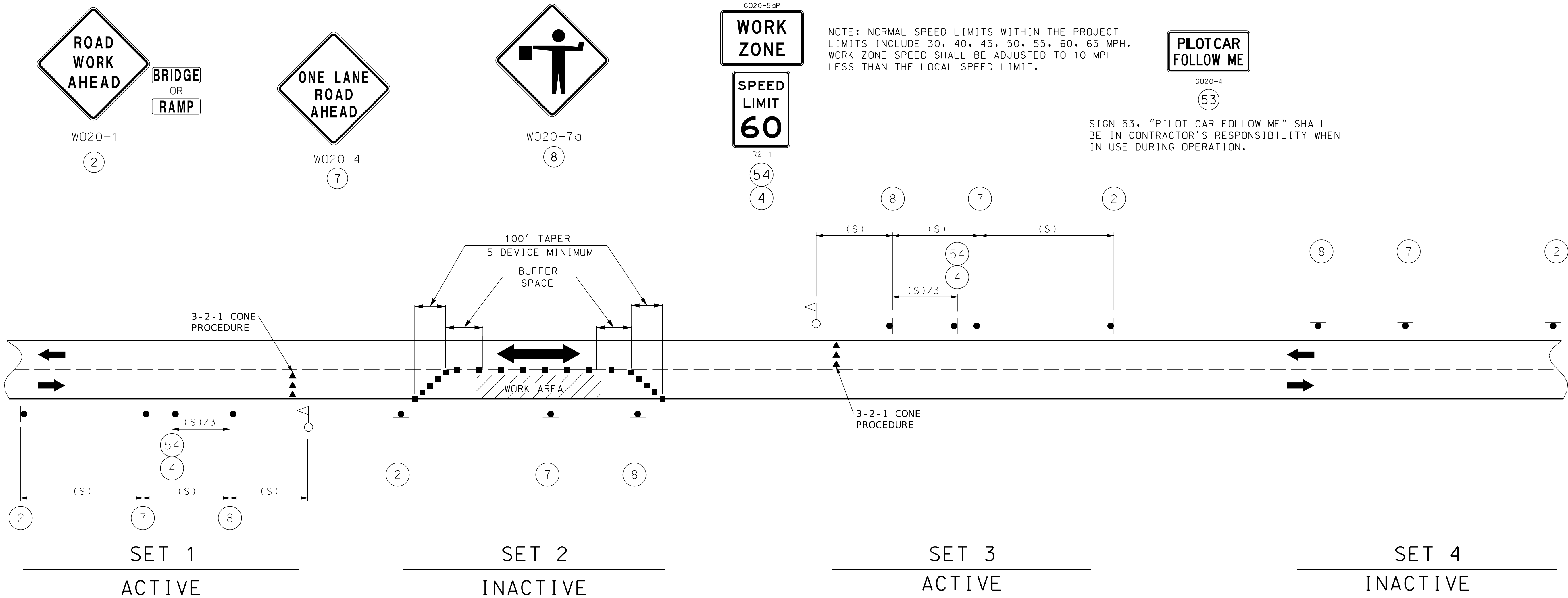
- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) SIGN CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN OR WORK ZONE NO PONE ZONE SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.
- (3) CONST-5-96 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72.
- (4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (5) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.

TYPICAL BEGINNING AND END OF PROJECT
(UNDIVIDED HIGHWAY)



NOT TO SCALE
TEMPORARY TRAFFIC CONTROL
SHEET 2 OF 13

DATE PREPARED 9/5/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 19
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
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)	
1411 East 104th St. Kansas City, MO 64131 Tel (816) 874-4655 Fax (816) 874-4675 www.trekkdesigngroup.com	
Missouri Dept. of Transportation Authority 202010300	
TREKK DESIGN GROUP, LLC	



SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

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

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC.

WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

FOR 3-2-1 CONE PROCEDURE, REFER TO EPG 616.5 FLAGGER CONTROL

■ - CHANNELIZERS

▲ - CONE

○ - FLAGGER

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

NOTES:

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.

FLAG ASSEMBLIES FOR SIGN W020-7a ARE SUBSIDIARY TO THE SIGN.

SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)	OPTIONAL
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	BUFFER/ WORK AREAS	BUFFER SPACE LENGTH (FT)
0-35	200	40	280
40-45	350	80	400
50-55	500	80	560
60-70	1000	120	840

NOTES:

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.

MOVING FLAGGER OPERATION
(UNDIVIDED HIGHWAY)

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL
SHEET 3 OF 13

DATE PREPARED
8/8/2025

ROUTE
60

DISTRICT
SW

COUNTY
BARRY/NEWTON

JOB NO.
J7P3386

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)

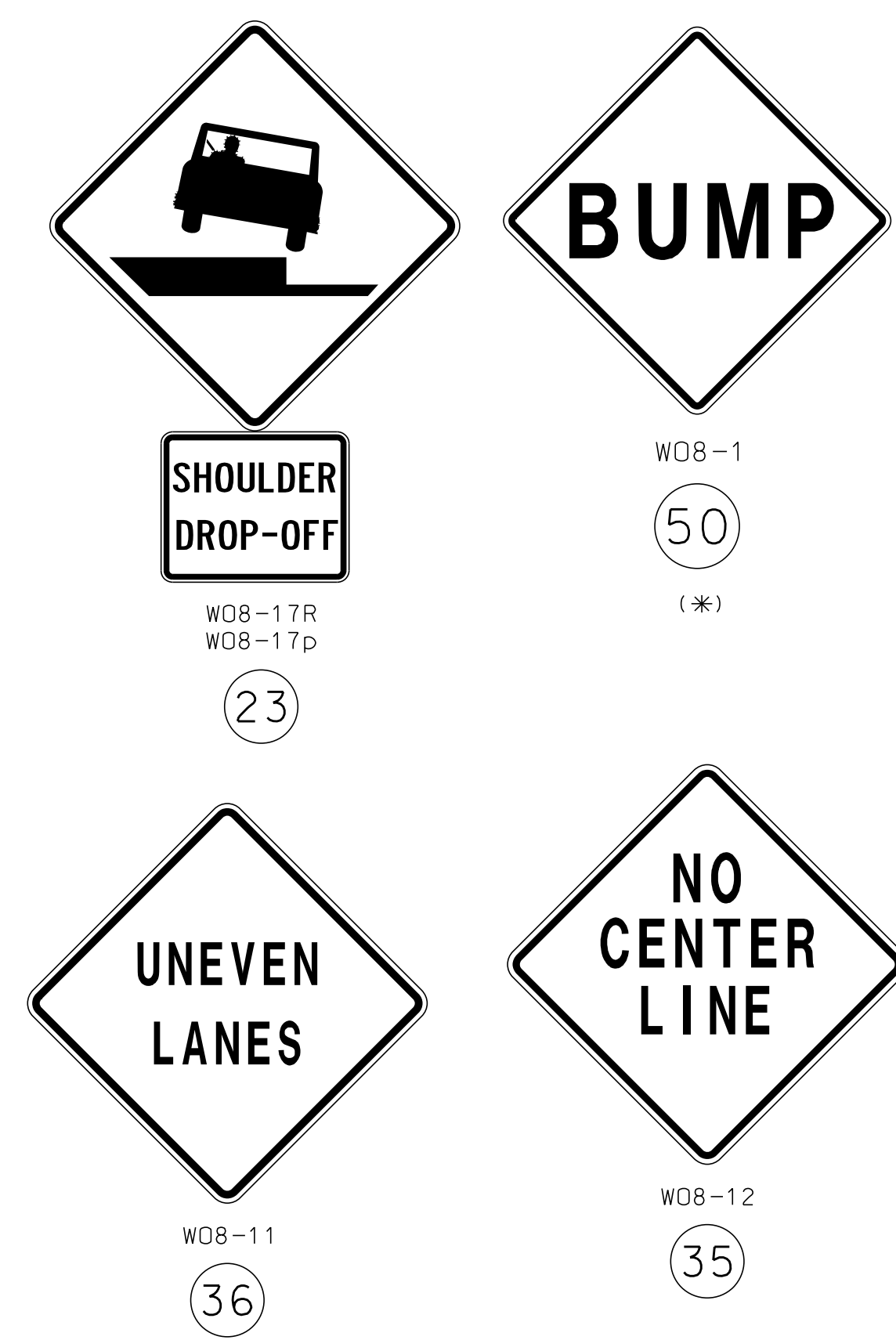
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Kansas City, MO 64131
Tel (816) 874-6655
Fax (816) 874-6675
www.trekkdesigngroup.com

Missouri Dept. of
Transportation
Authority 202510300

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



(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.



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.

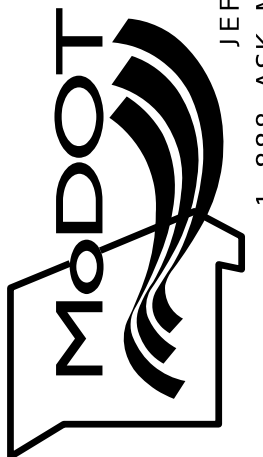
WHEN SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.

FOR BRIDGE EXCEPTIONS AND COLDMILLED AREAS, LOCATION OF SIGN (50) TO BE APPROVED BY THE ENGINEER. UNLESS REQUIRED BY STANDARD PLAN 619.10, SIGN (50) AT CONTRACTOR'S EXPENSE, NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL
SHEET 4 OF 13

DATE PREPARED 8/8/2025					
ROUTE 60		STATE MO			
DISTRICT SW		SHEET NO. 21			
COUNTY BARRY/NEWTON					
JOB NO. J7P3386					
CONTRACT ID.					
PROJECT NO.					
BRIDGE NO.					
DESCRIPTION					
DATE					

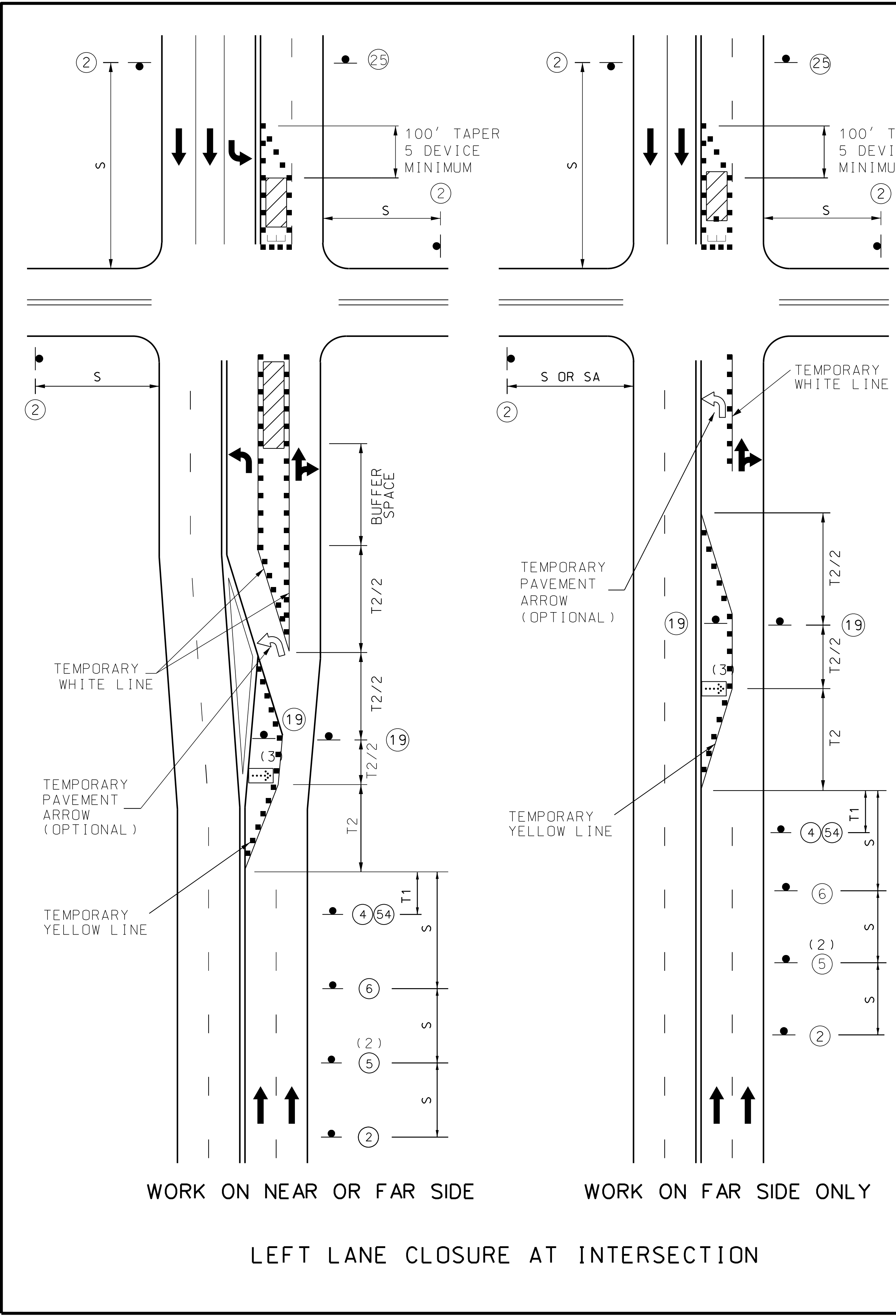
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

1411 East 104th St.
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Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com

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TREK
DESIGN GROUP, LLC



ROAD WORK AHEAD (W020-1) (2)

SPEED LIMIT 35 (R2-1) (4)

LEFT LANE CLOSED AHEAD (W020-5) (5)

LEFT LANE CLOSED (W020-6a) (6)

LEFT LANE MUST TURN LEFT (R3-7L) (19)

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

WORK ZONE (G020-5aP) (54)

NOTE: NORMAL SPEED LIMITS WITHIN THE PROJECT LIMITS INCLUDE 30, 40, 45, 50, 55, 60, 65 MPH. WORK ZONE SPEED SHALL BE ADJUSTED TO 10 MPH LESS THAN THE LOCAL SPEED LIMIT.

TAPER LENGTH AND SPACING

SPEED LIMIT ¹ , MPH	TAPER LENGTH ² , FT		CHANNELIZING SPACING ³ , FT		BUFFER LENGTH, FT
	SHOULDER ⁴ (T1)	LANE ⁵ (T2)	TAPERS	BUFFER/WORK AREA	
0-35	70	245	35 ⁶	40 ⁶	280
40-45	150	540	40 ⁶	80 ⁶	400
50-55	185	660	50 ⁷	80 ⁷	560
60-70	235	840	60 ⁷	120 ⁷	840

ADVANCE WARNING SIGN MINIMUM SPACING

SPEED LIMIT ¹ , MPH	SIGN SPACING ² , FT (S)	
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY
0-35	200 ³	200 ³
40-45	350	500
50-55	500	1000
60-70	1000	SA-1000 SB-1500 SC-2640

NOTES: REVISED: 9-12-2022

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

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN IN TABLE.

(1) CONES ALLOWABLE FOR DAYLIGHT OPERATIONS ONLY.

(2) SIGN 5 MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(3) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS ROOM.

LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CHANNELIZER (TRIM-LINE)
- FLASHING ARROW PANEL
- OPTIONAL - ATTENUATOR TRUCK WITH FLASHING ARROW PANEL IN CAUTION MODE W/ 150' ROLL AHEAD SPACE
- DIRECTIONAL BARRICADE
- TYPE 3 MOVEABLE BARRICADE

¹POSTED SPEED LIMIT.

²TAPER LENGTHS MAY BE ADJUSTED.

³SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.

⁴BASED ON 10 FT SHOULDER WIDTH.

⁵BASED ON 12 FT LANE WIDTH.

⁶SPACING REDUCED TO 1/2 AT INTERSECTIONS.

⁷SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

DATE PREPARED: 8/8/2025

ROUTE: 60 STATE: MO

DISTRICT: SW SHEET NO.: 22

COUNTY: BARRY/NEWTON

JOB NO.: J7P3386

CONTRACT ID:

PROJECT NO.

BRIDGE NO.

DESCRIPTION:

DATE:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

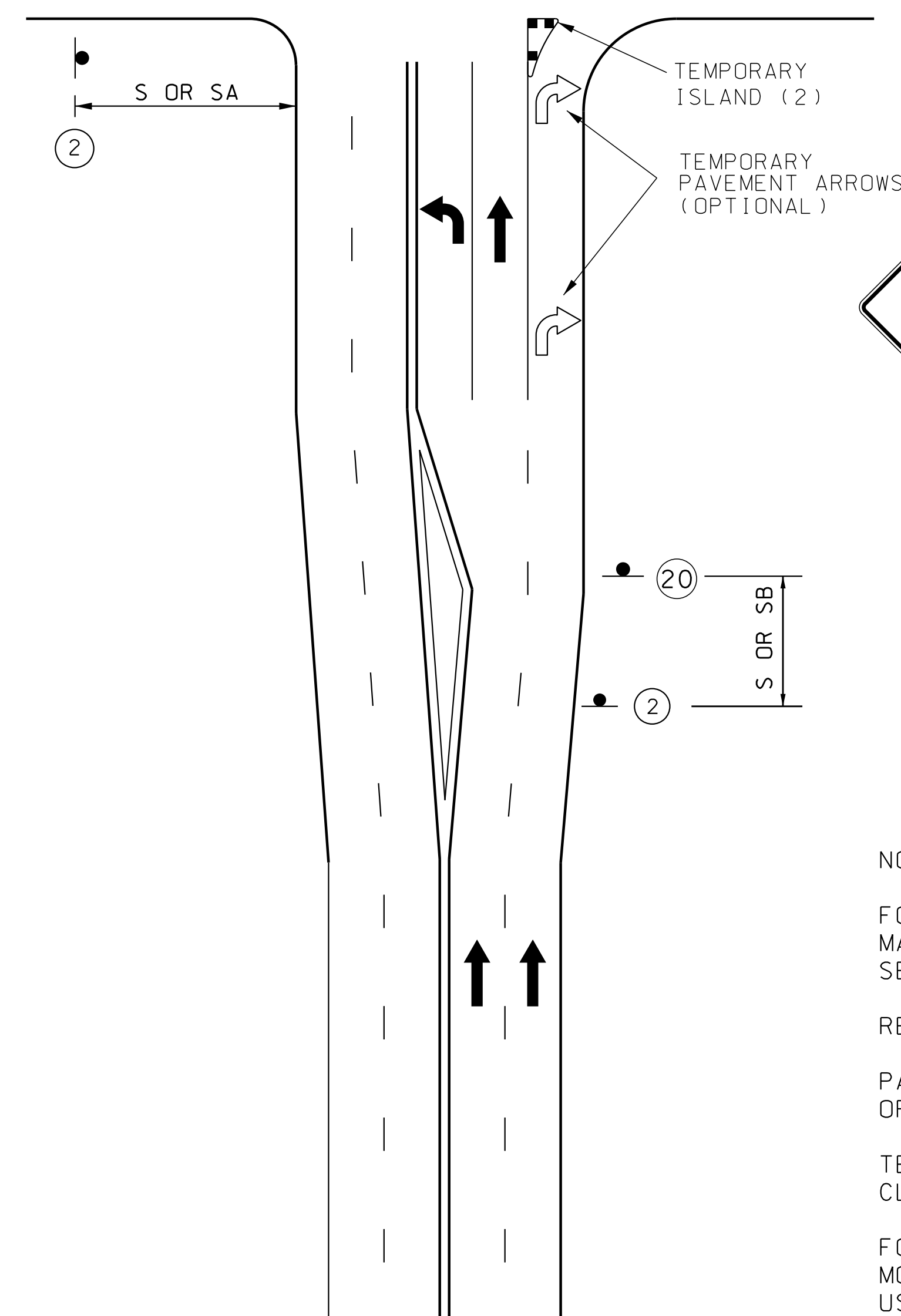
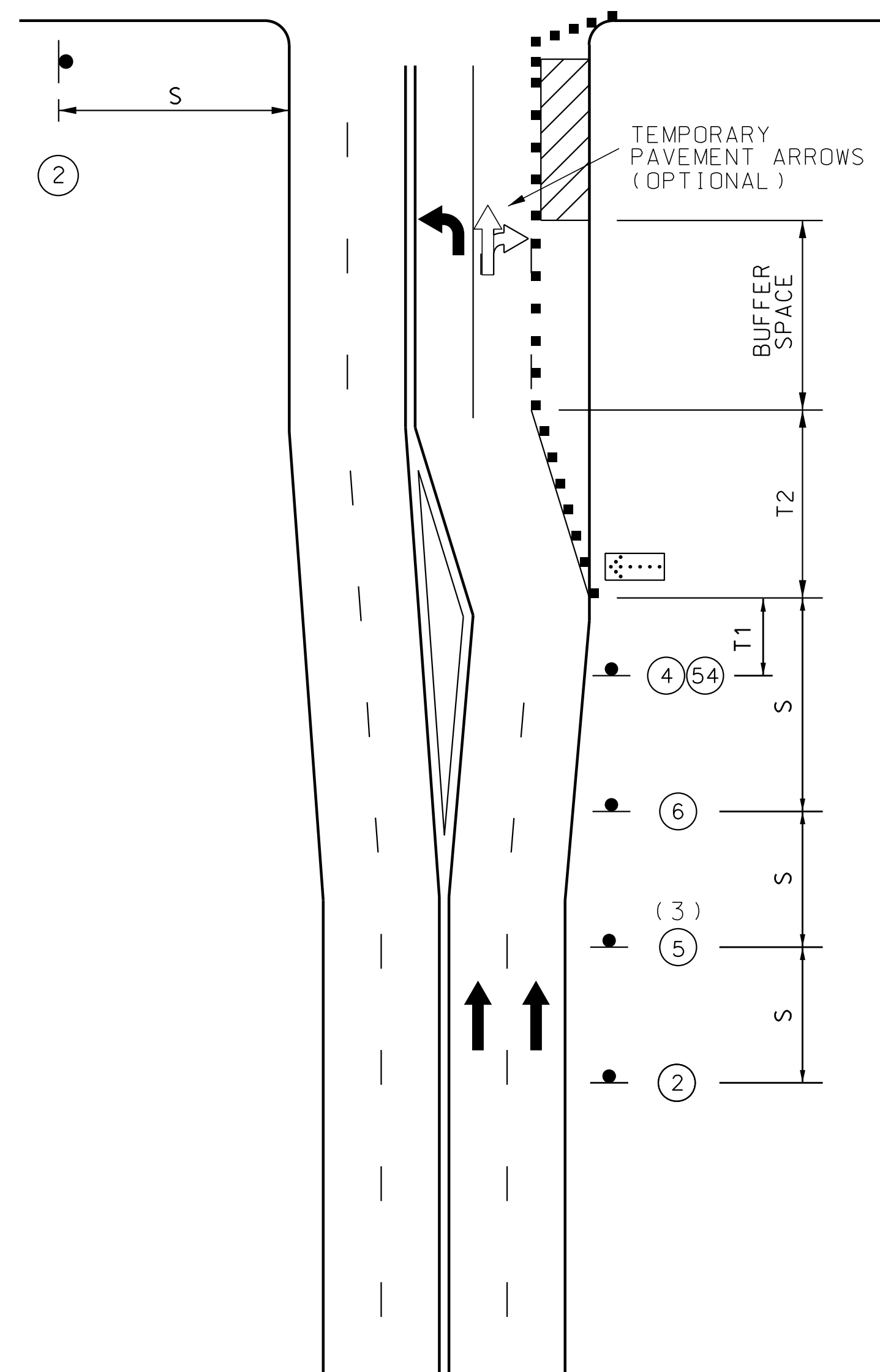
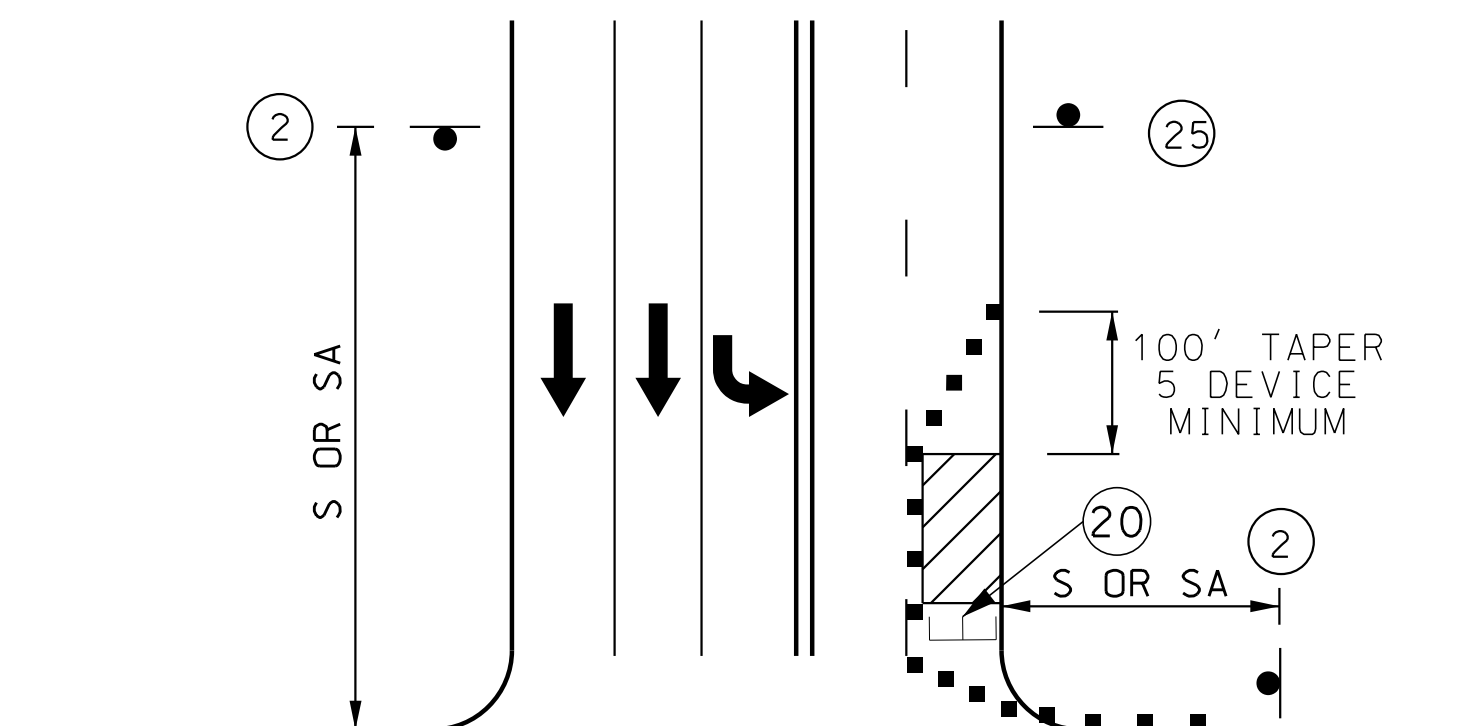
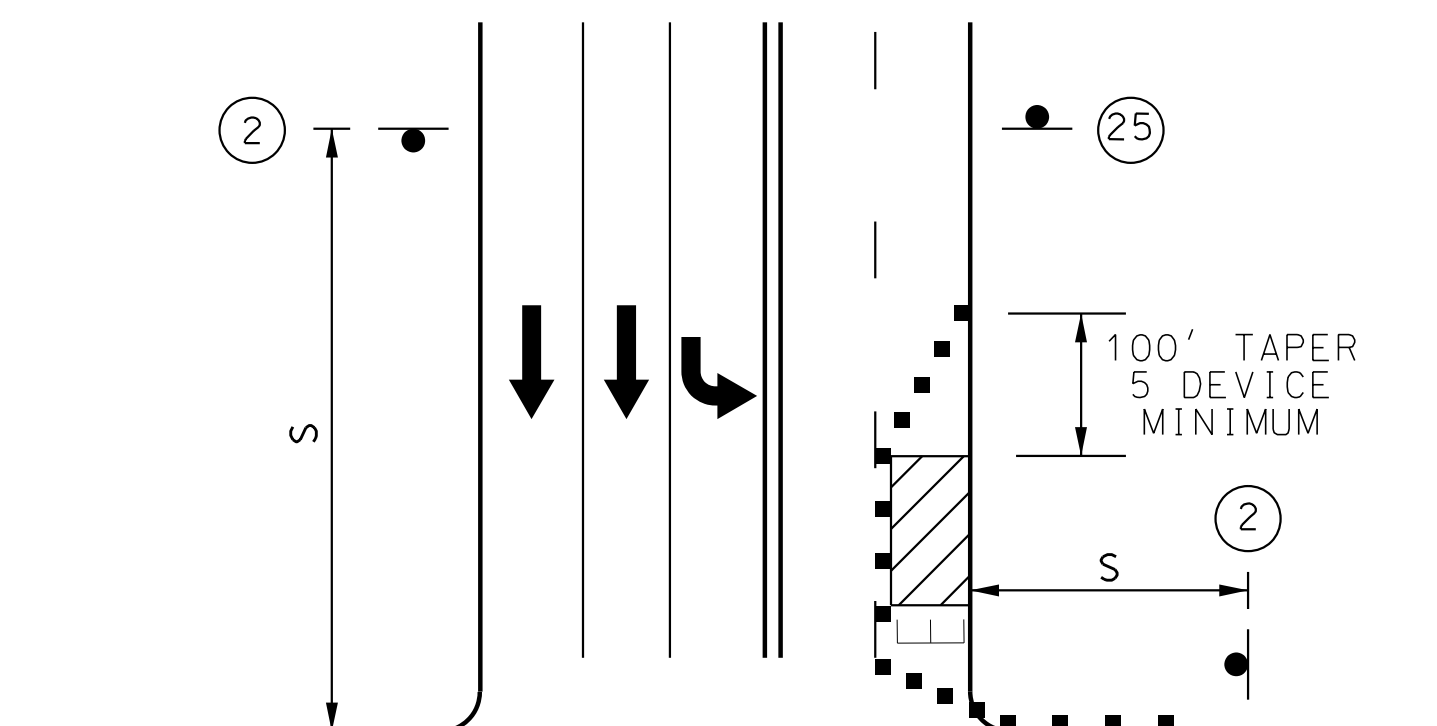
105 WEST CAPITOL JEFFERSON CITY, MO 65102

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Missouri Dept. of Transportation Authority 202010300

TREKK DESIGN GROUP, LLC



WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY (1)

RIGHT LANE CLOSURE AT INTERSECTION

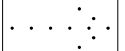
TAPER LENGTH AND SPACING					
SPEED LIMIT, MPH	TAPER LENGTH ² FT		CHANNELIZING SPACING ³ FT		BUFFER LENGTH, FT
	SHOULDER ⁴ (T1)	LANE ⁵ (T2)	TAPERS	BUFFER/ WORK AREA	
0-35	70	245	35 ⁶	40 ⁶	280
40-45	150	540	40 ⁶	80 ⁶	400
50-55	185	660	50 ⁷	80 ⁷	560
60-70	235	840	60 ⁷	120 ⁷	840

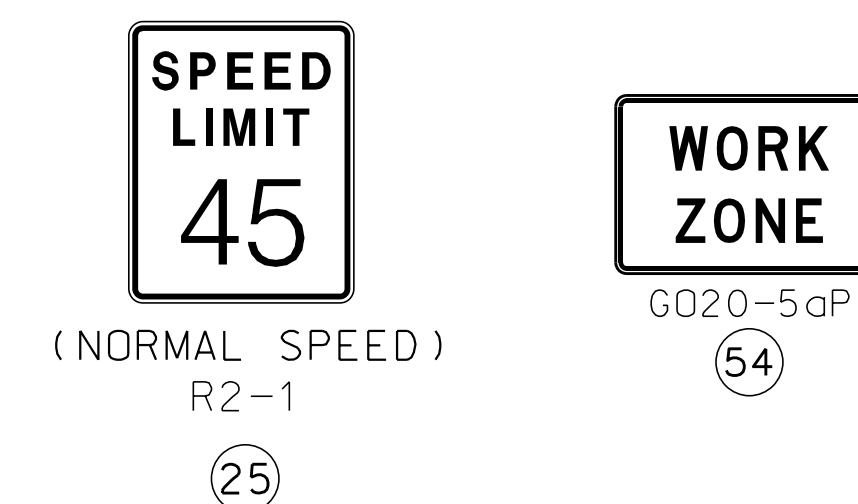
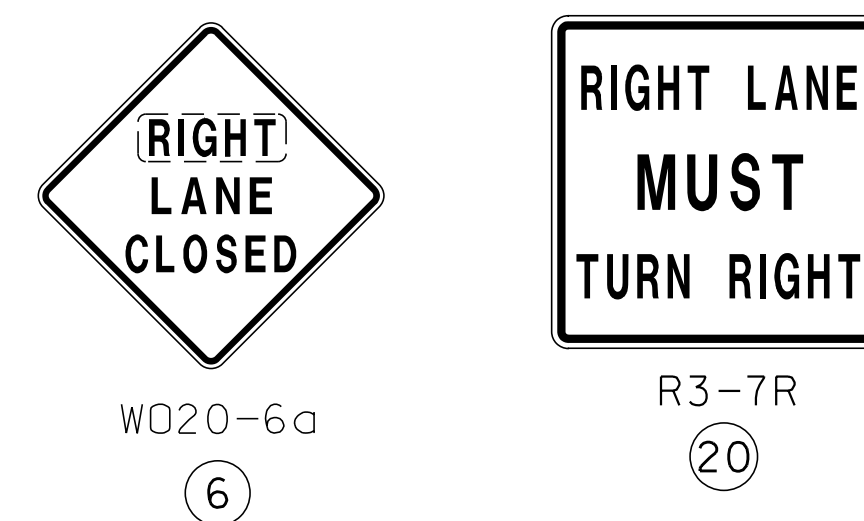
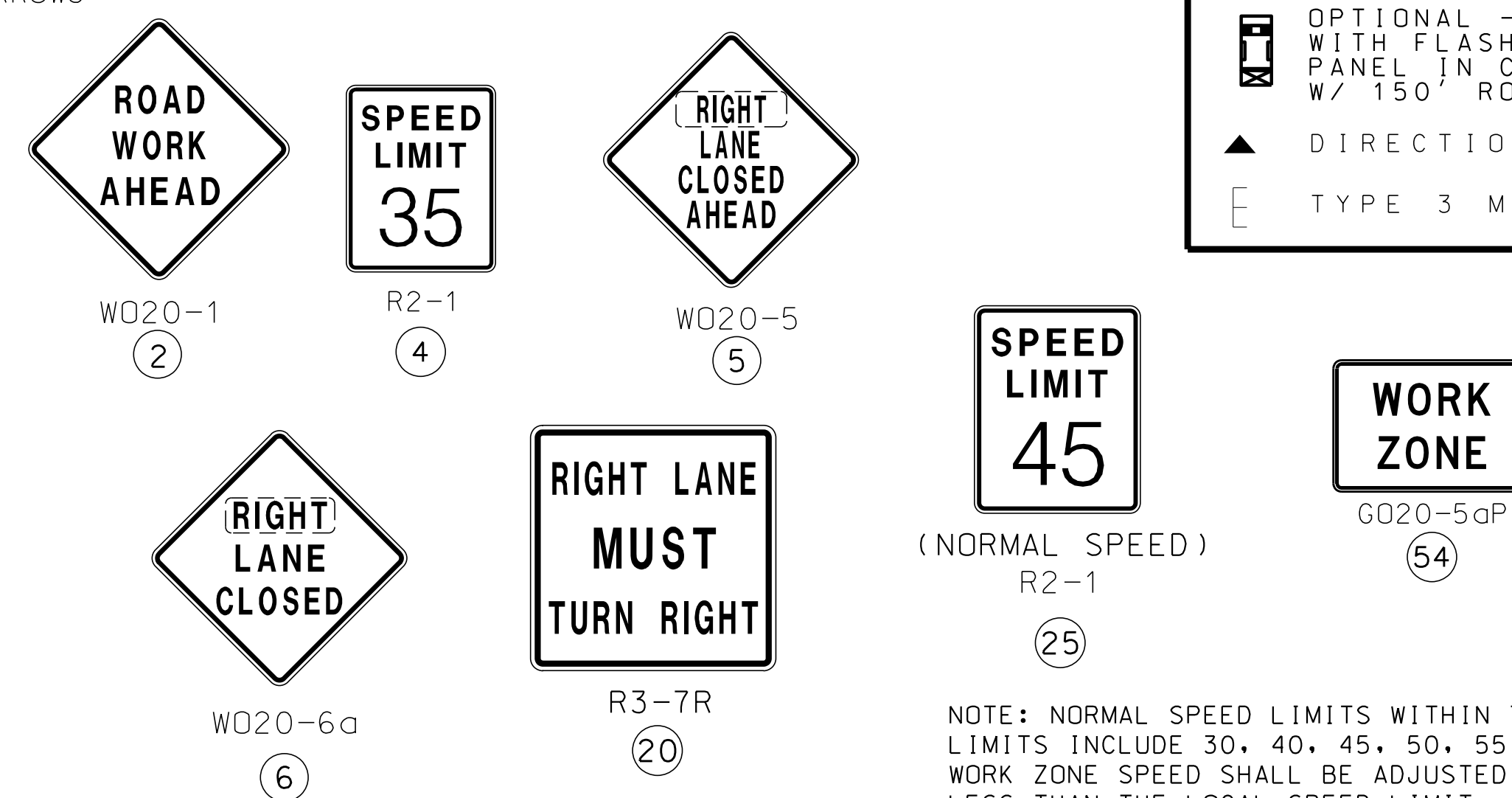
ADVANCE WARNING SIGN MINIMUM SPACING		
SPEED LIMIT ¹ , MPH	SIGN SPACING ² , FT (S)	
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY
0-35	200 ³	200 ³
40-45	350	500
50-55	500	1000
60-70	1000	SA-1000 SB-1500 SC-2640

REVISED: 9-12-2022

1 POSTED SPEED LIMIT.
2 TAPER LENGTHS MAY BE ADJUSTED.
3 SPACING MAY BE ADJUSTED FOR FIELD
CONDITIONS.
4 BASED ON 10 FT SHOULDER WIDTH.
5 BASED ON 12 FT LANE WIDTH.
6 SPACING REDUCED TO 1/2 AT INTERSECTIONS.
7 SPACING MAY BE REDUCED TO 1/2 AT
INTERSECTIONS.

¹POSTED SPEED LIMIT.
²SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IS 100 FT.

<u>LEGEND</u>	
•	SIGN (SINGLE SIDED)
•	SIGN (DOUBLE SIDED)
⚑	FLAGGER
■	CHANNELIZER (TRIM-LINE)
	FLASHING ARROW PANEL
	OPTIONAL - ATTENUATOR TRUCK WITH FLASHING ARROW PANEL IN CAUTION MODE W/ 150' ROLL AHEAD SPACE
▲	DIRECTIONAL BARRICADE
F	TYPE 3 MOVEABLE BARRICADE



NOTE: NORMAL SPEED LIMITS WITHIN THE PROJECT LIMITS INCLUDE 30, 40, 45, 50, 55, 60, 65 MPH. WORK ZONE SPEED SHALL BE ADJUSTED TO 10 MPH LESS THAN THE LOCAL SPEED LIMIT.

NOTES:

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

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' [3 m] DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN IN TABLE.

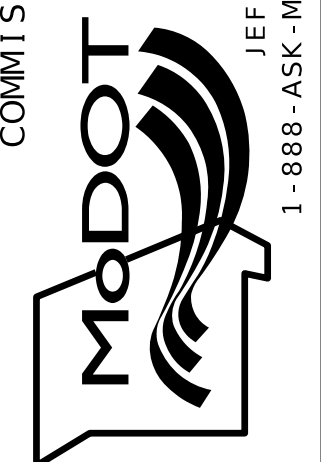
- (1) THIS FIGURE ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH VOLUME TURNS RIGHT.
- (2) TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.
- (3) SIGN 5 MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL
SHEET 6 OF 13

DATE PREPARED	
8/8/2025	
ROUTE	STATE
60	MO
DISTRICT	SHEET NO.
SW	23
COUNTY	
BARRY/NEWTON	
JOB NO.	
J7P3386	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

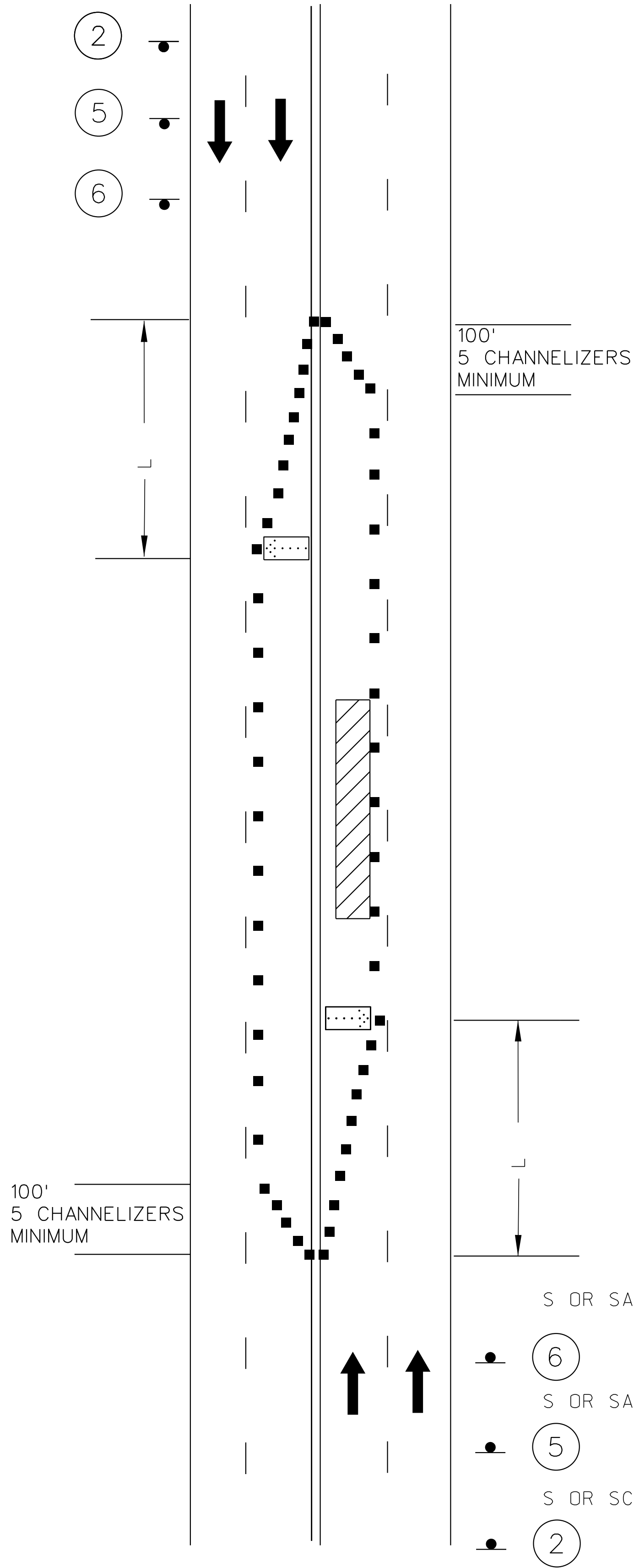
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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TREK
DESIGN GROUP, LLC

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NOTES:

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

SIGN 5 MAY BE OMITTED IN URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES, AND THE POSTED SPEED LIMIT PRIOR TO CONSTRUCTION IS 45 MPH OR LESS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

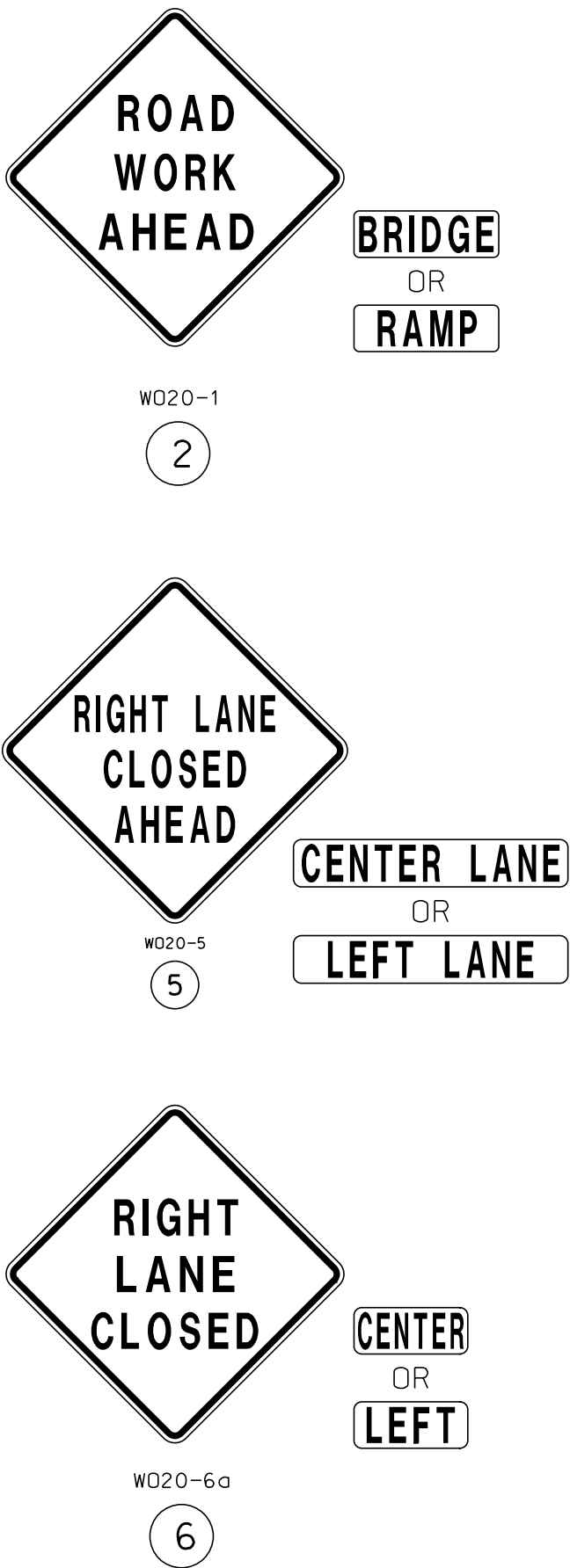
FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' [3 m] DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN IN TABLE.

- (1) THIS FIGURE ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH VOLUME TURNS RIGHT.
- (2) TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.
- (3) SIGN 5 MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)	OPTIONAL
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	BUFFER/ WORK AREAS	BUFFER SPACE LENGTH (FT)
0-35	200	40	280
40-45	350	80	400
50-55	500	80	560
60-70	1000	120	840

NOTES:

- (1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.



NOT TO SCALE

TEMPORARY TRAFFIC CONTROL
SHEET 7 OF 13

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

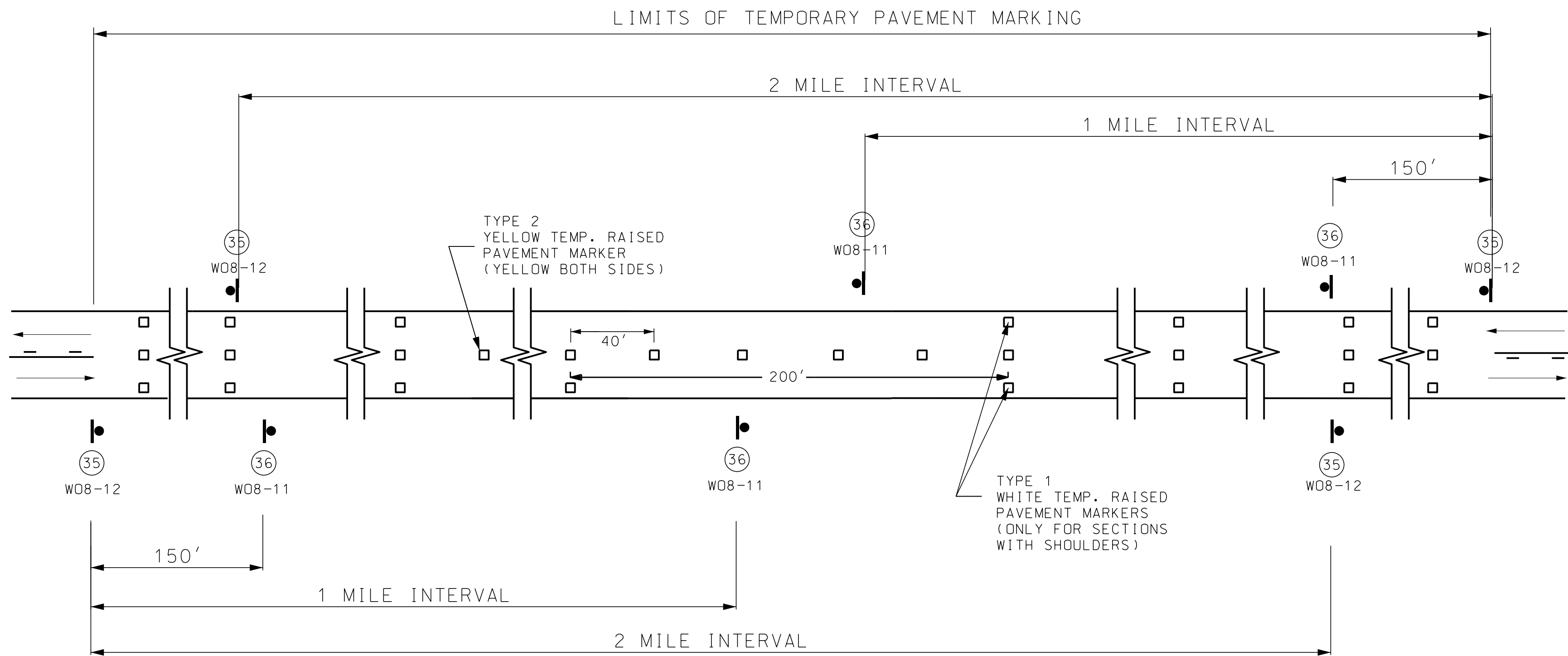
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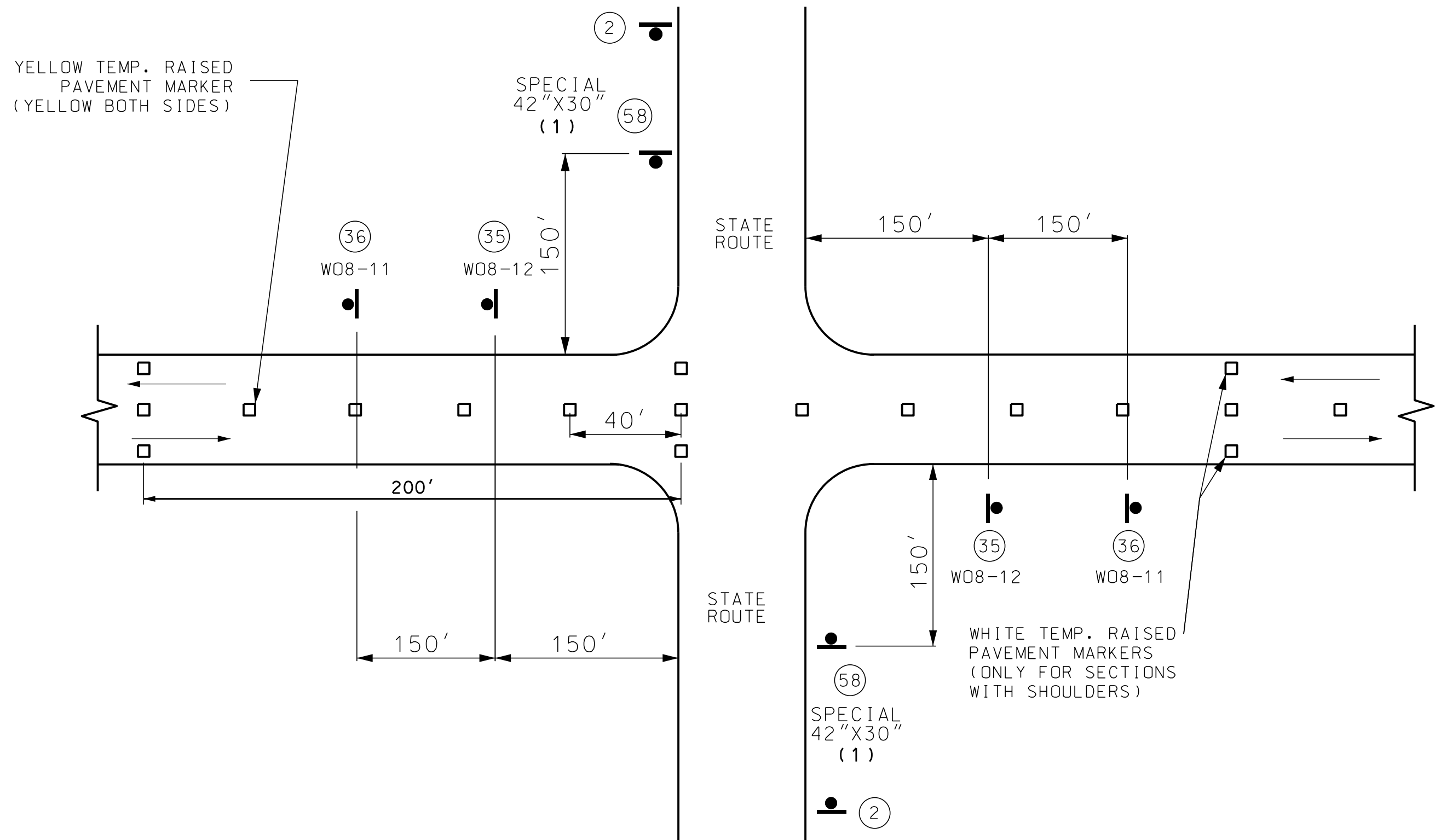
Missouri Dept. of
Transportation
Authority 202610300

DATE PREPARED	8/8/2025	
ROUTE	60	STATE
DISTRICT	SW	SHEET NO.
COUNTY	BARRY/NEWTON	
JOB NO.	J7P3386	
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		
DESCRIPTION		
DATE		

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



SIGN SPACING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS



(1) ADDITIONAL SIDEROADS MAY BE SIGNED
AS APPROVED BY THE ENGINEER.

NOTES:

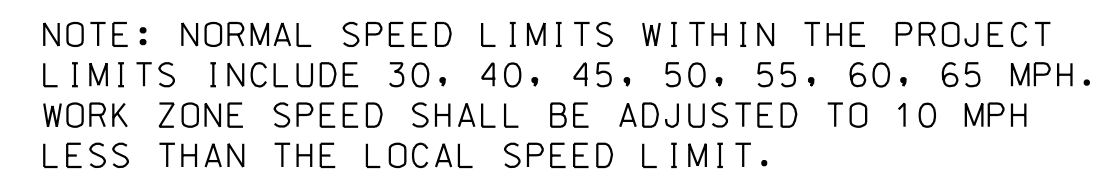
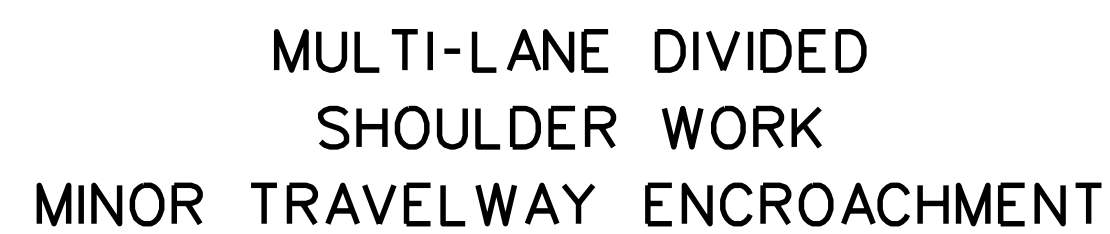
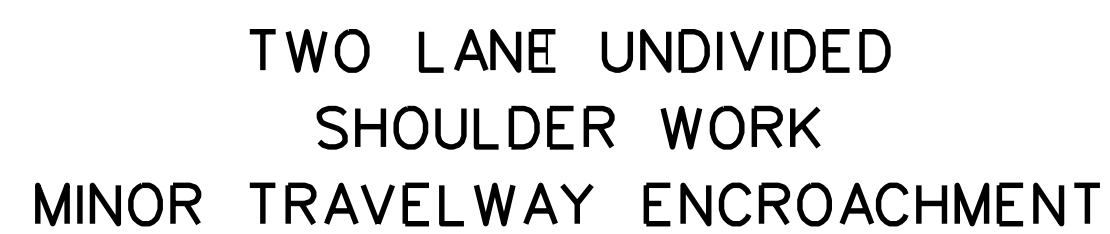
SIGN (35) AND TEMPORARY PAVEMENT MARKING INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

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 THAT ARE POST MOUNTED SHALL BE IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED BY THE END OF EACH DAY.

DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 25
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
MoDOT	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
1411 East 104th St. Kansas City, MO 64131 Tel (816) 674-4655 Fax (816) 674-6075 www.trekkgroup.com	
Missouri Dept. of Transportation Authority 202010300	
TREKK DESIGN GROUP, LLC	



SEE TRAFFIC CONTROL SHEET 1 FOR WORKZONE SPEED LIMIT GUIDELINES.

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

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

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

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

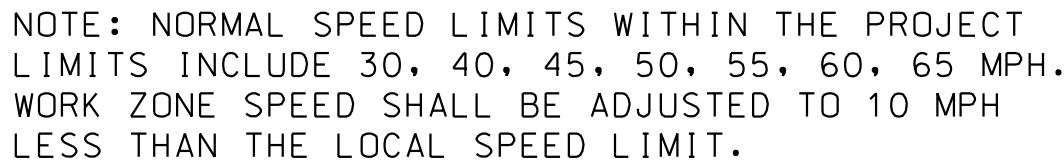
VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

TEMPORARY TRAFFIC CONTROL
SHEET 9 OF 13

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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.

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AN ALTERNATIVE FLAGGING OPERATION.

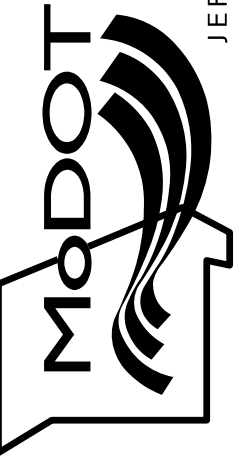
AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING:
EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED
FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10
(TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).

DATE PREPARED	
8/8/2025	
ROUTE	STATE
60	MO
DISTRICT	SHEET NO.
SW	27
COUNTY	
BARRY/NEWTON	
JOB NO.	
J7P3386	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

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COMMISSION

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

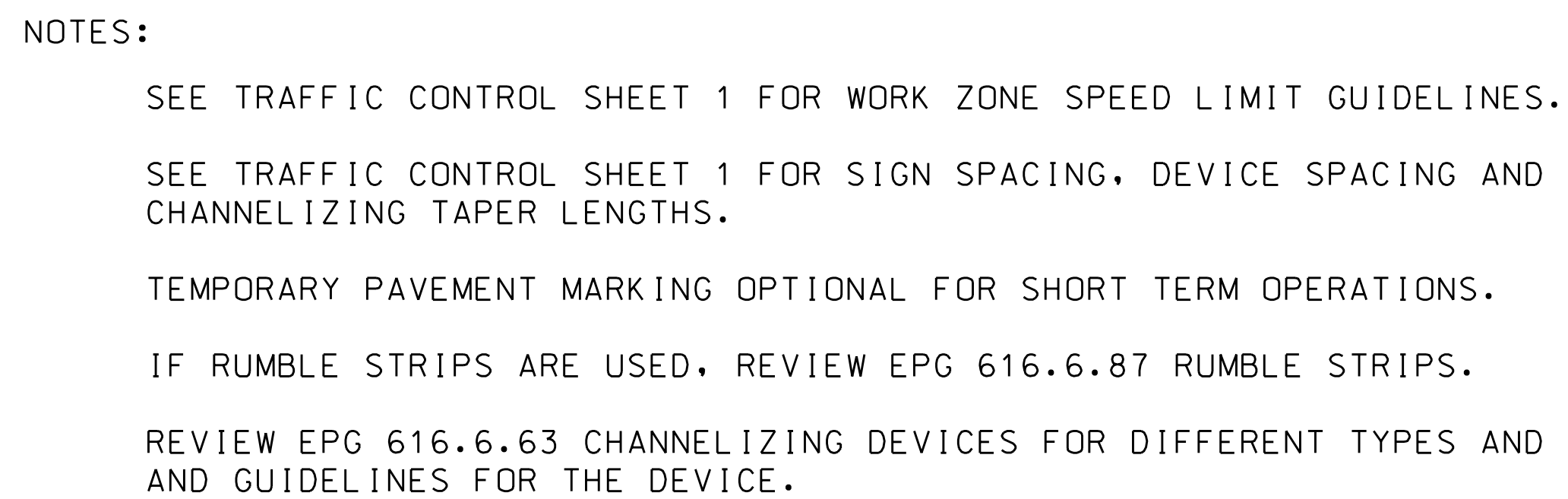
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ONE LANE CLOSURE TWO WAY
FLAGGER CONTROL
NOT TO SCALE

TEMPORARY TRAFFIC CONTROL
SHEET 10 OF 13



TEMPORARY TRAFFIC CONTROL
SHEET 11 OF 13



MISSOURI HIGHWAYS AND TRANSPORTATION
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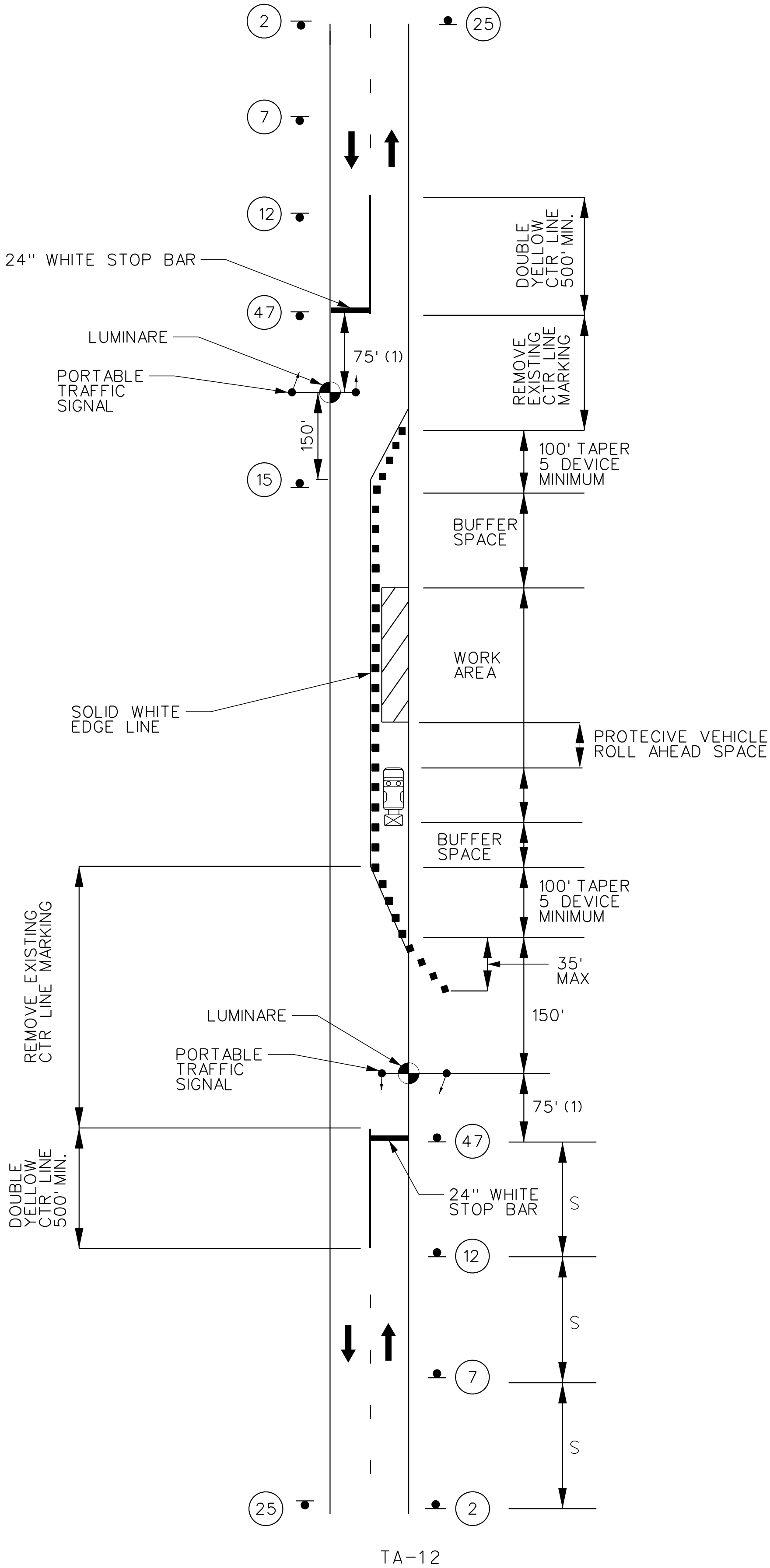
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NOTES:

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

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

TEMPORARY TRAFFIC CONTROL SIGNALS SHALL BE INSTALLED AND OPERATED IN ACCORDANCE WITH THE PROVISIONS OF PART 4. TEMPORARY TRAFFIC CONTROL SIGNALS SHALL MEET THE PHYSICAL DISPLAY AND OPERATIONAL REQUIREMENTS OF CONVENTIONAL TRAFFIC CONTROL SIGNALS.

TEMPORARY TRAFFIC CONTROL SIGNAL TIMING SHALL BE ESTABLISHED BY AUTHORIZED OFFICIALS. DURATION OF RED CLEARANCE INTERVALS SHALL BE ADEQUATE TO CLEAR THE ONE-LANE SECTION OF CONFLICTING VEHICLES.

WHEN THE TEMPORARY TRAFFIC CONTROL SIGNAL IS CHANGED TO THE FLASHING MODE, EITHER MANUALLY OR AUTOMATICALLY, RED SIGNAL INDICATION SHALL BE FLASHED TO BOTH APPROACHES.

STOP LINES SHALL BE INSTALLED WITH TEMPORARY TRAFFIC CONTROL SIGNALS FOR INTERMEDIATE AND LONG-TERM CLOSURES. EXISTING CONFLICTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS BETWEEN THE ACTIVITY ARE AND THE STOP LINE SHALL BE REMOVED. AFTER THE TEMPORARY TRAFFIC CONTROL SIGNAL IS REMOVED, THE STOP LINES AND OTHER TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND THE PERMANENT PAVEMENT MARKINGS RESTORED.

SAFEGUARDS SHALL BE INCORPORATED TO AVOID THE POSSIBILITY OF CONFLICTING SIGNAL INDICATION AT THE END OF THE TTC ZONE.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

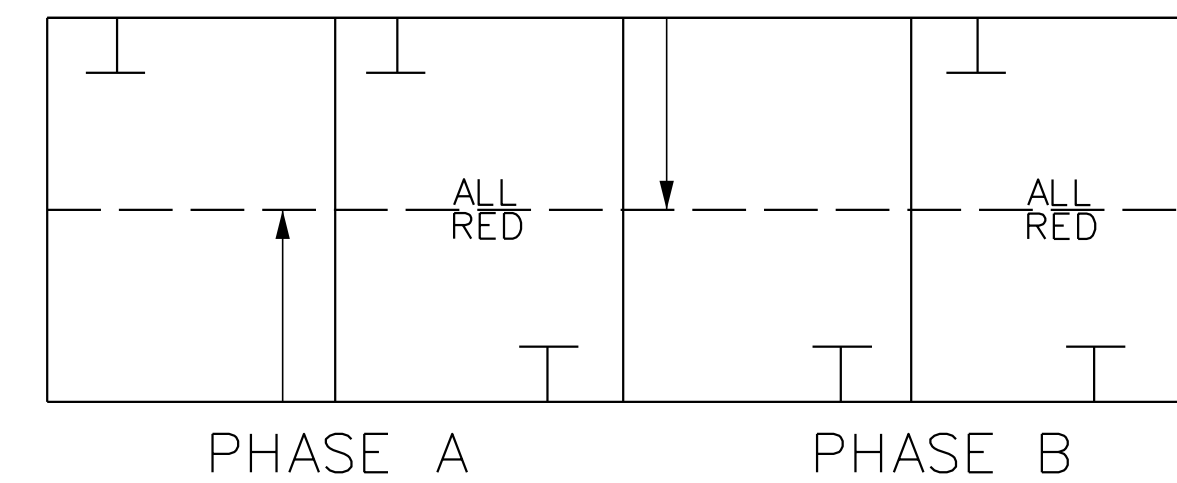
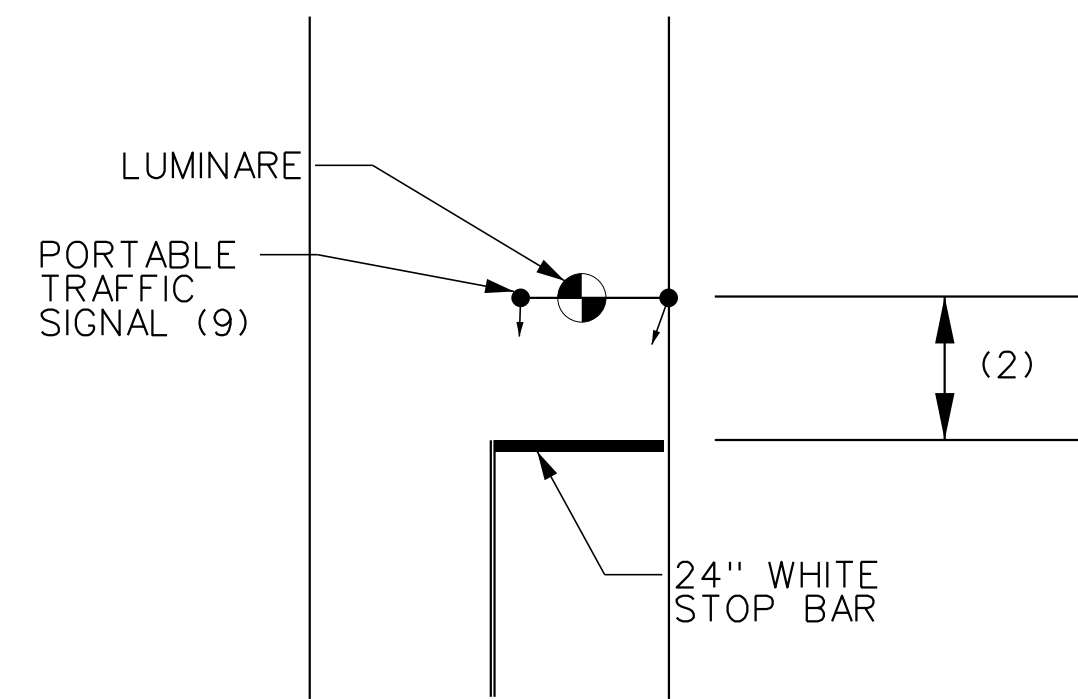
FOR FLAGS AND ADVANCED WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.

(1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.

LANE CLOSURE
ON A TWO-LANE ROAD
USING TRAFFIC CONTROL SIGNALS
TEMPORARY
TRAFFIC CONTROL
SHEET 12 OF 13

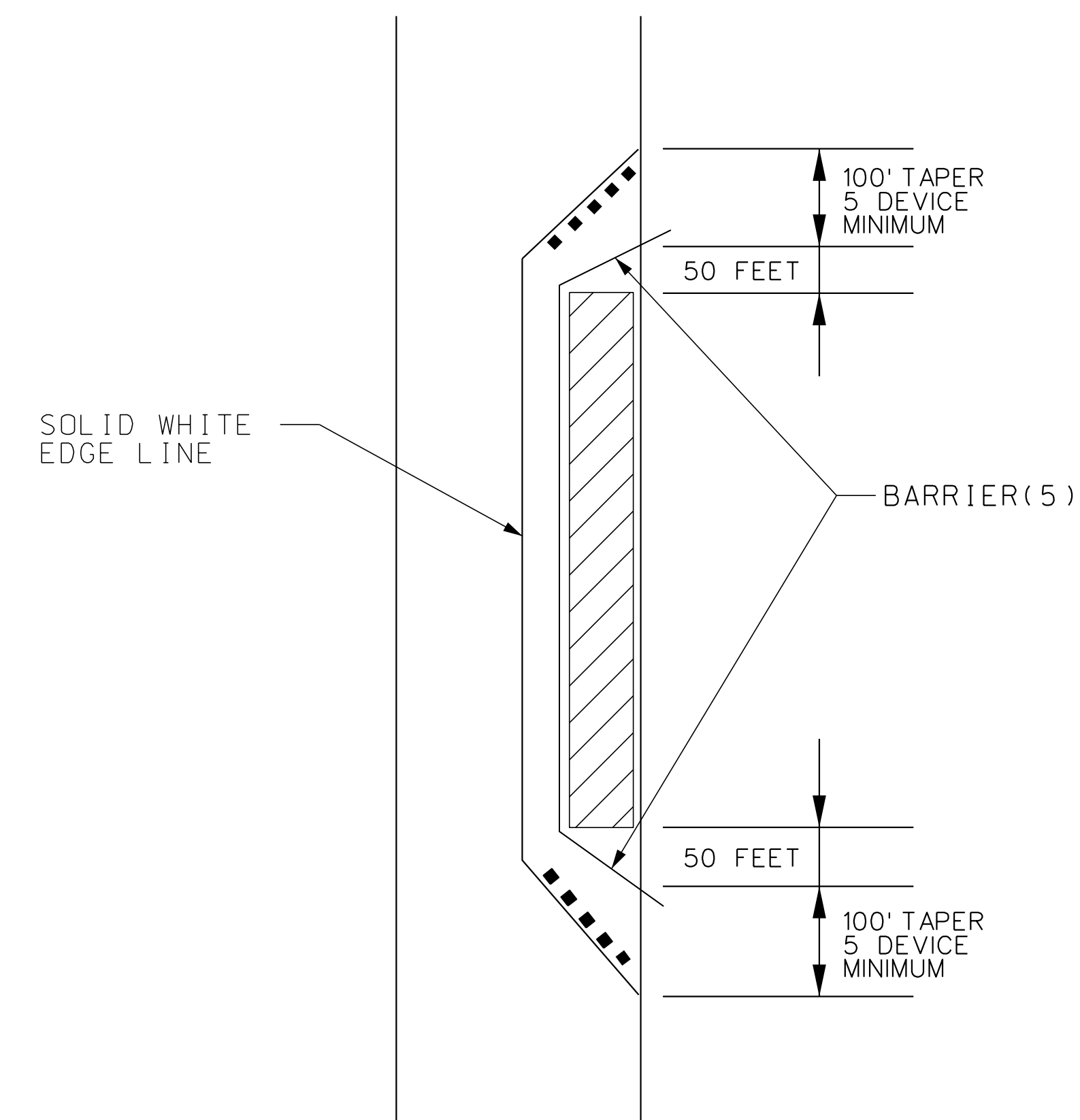
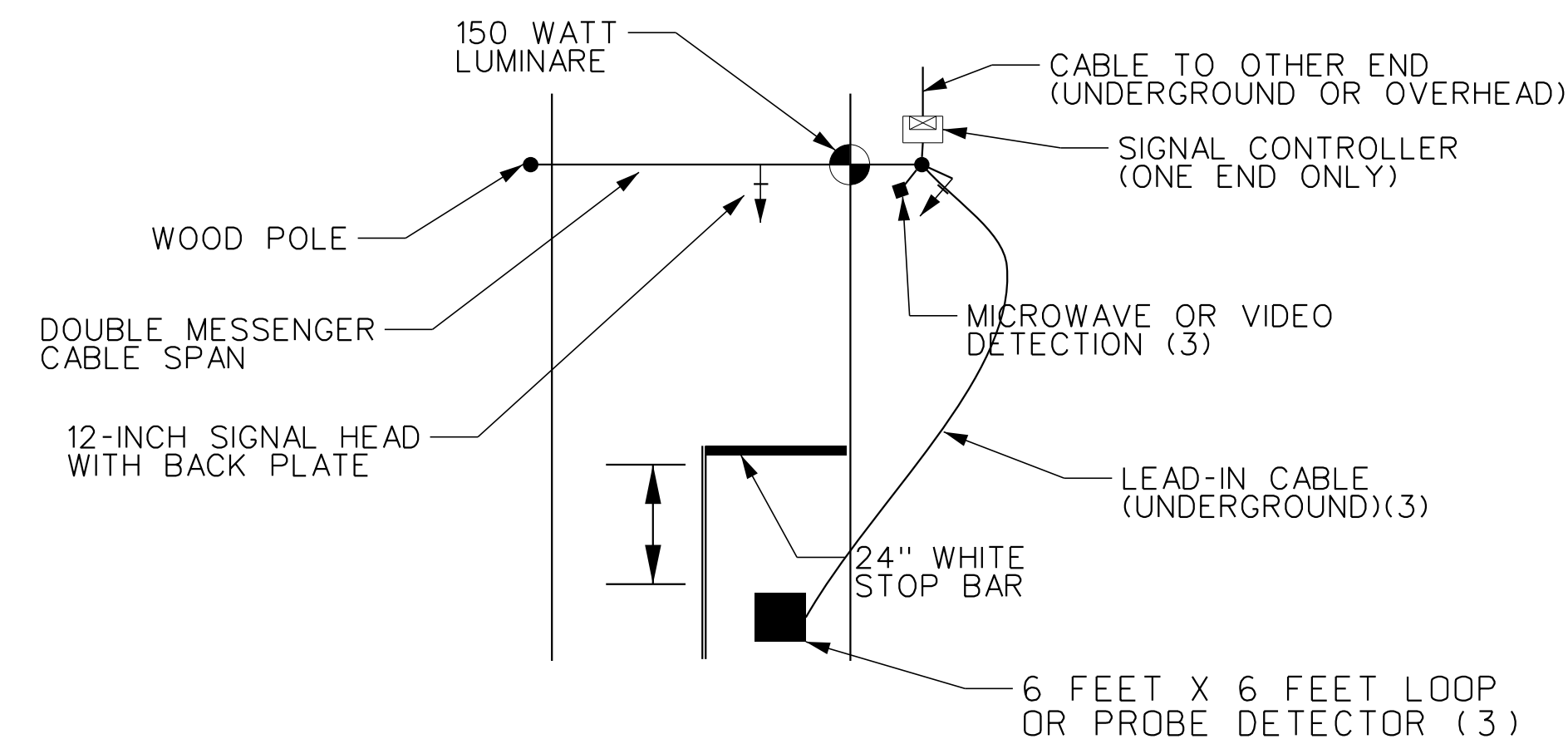
DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 29
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



PHASE A AND PHASE B SHALL ALWAYS BE FOLLOWED BY AN ALL RED PHASE OR INTERVAL.

SIGNALS SHALL REST IN ALL RED WHEN THERE ARE NO VEHICLE CALLS.

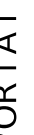


NOTES:

- (1). SIGNING AND PAVEMENT MARKING IDENTICAL ON BOTH APPROACHES.
- (2). 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.
- (3). NON-INSTRUSIVE DETECTION IS PREFERRED. HOWEVER, IF OTHER VEHICLE INTERFERENCE IS PRESENT (I.E. PARKING LOTS OR SIDE ROAD ACTIVITY), THEN OTHER DETECTION METHODS MAY BE USED.
- (4). IF SIDE ROADS OR DRIVEWAYS OCCUR WITHIN THE LIMITS OF THE STOP BARS, ADDITIONAL INDICATIONS AND PHASING ARE REQUIRED. FURTHERMORE, RIGHT TURNS SHALL BE PROHIBITED FROM THESE ACCESS POINTS DURING THE RED INTERVAL.
- (5). FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT.

DATE PREPARED	
8/8/2025	
ROUTE	STATE
60	MO
DISTRICT	SHEET NO.
SW	30
COUNTY	
BARRY/NEWTON	
JOB NO.	
J7P3386	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

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COMMISSION

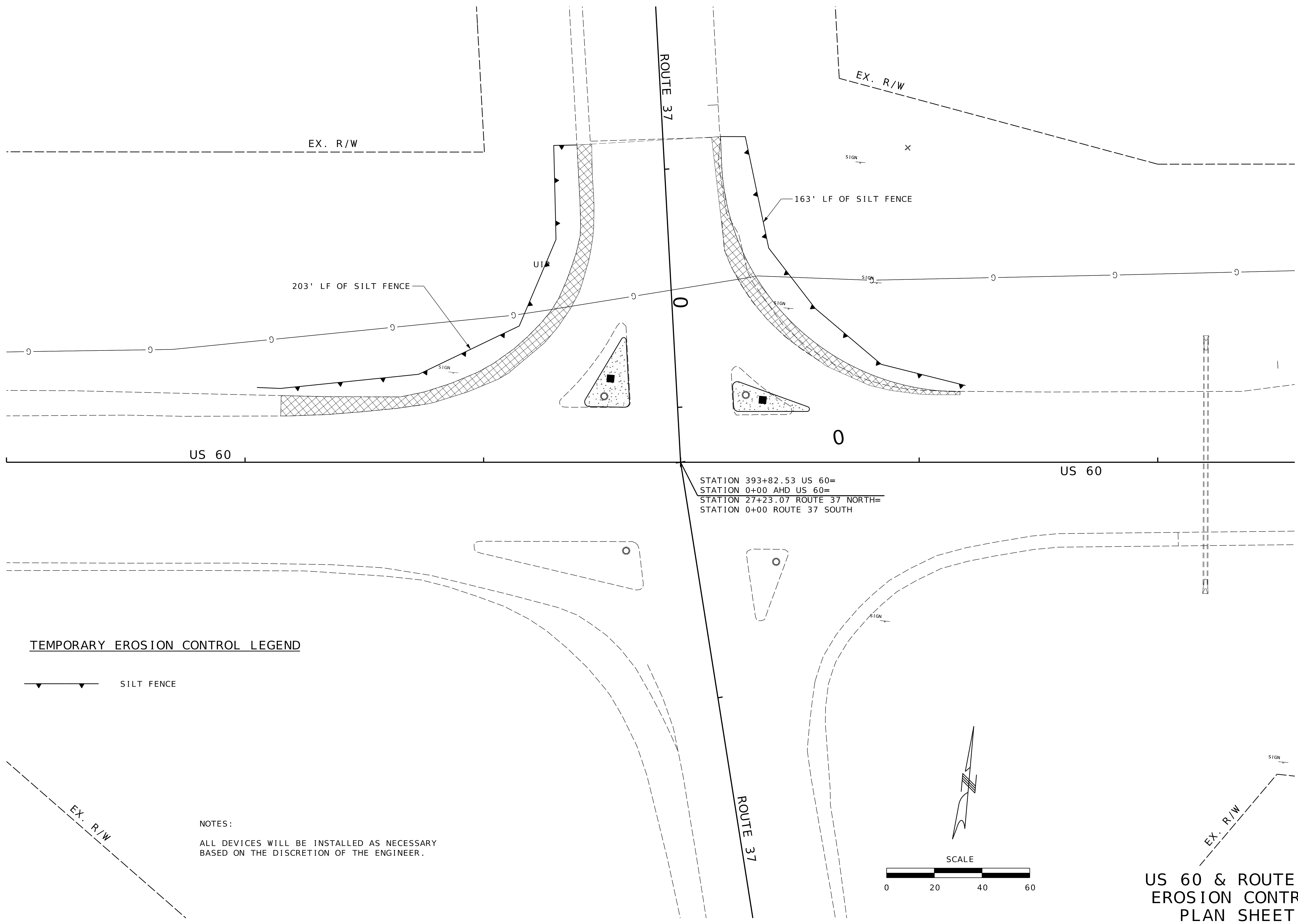
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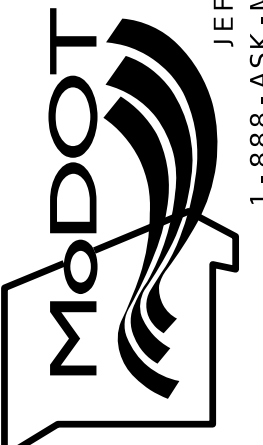
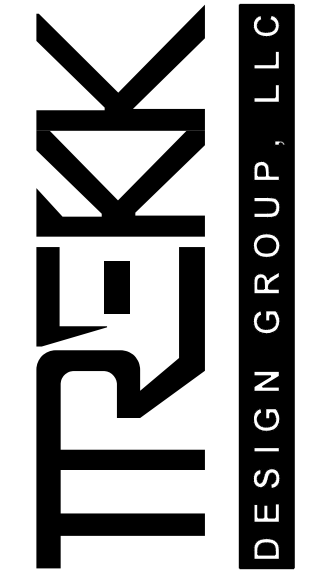
Missouri Cent. of
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TEMPORARY EROSION CONTROL LEGEND

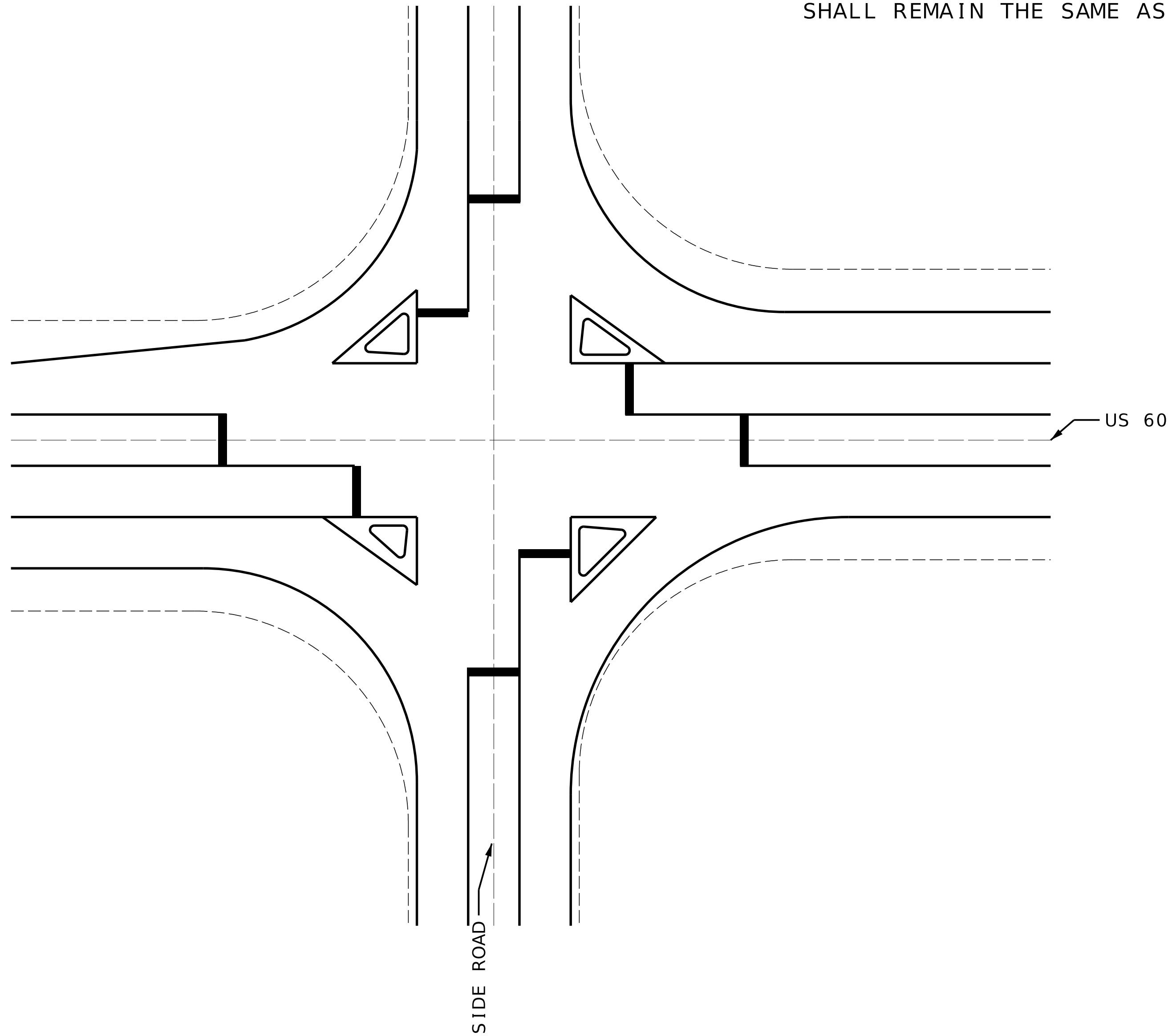
SILT FENCE

NOTES:
ALL DEVICES WILL BE INSTALLED AS NECESSARY
BASED ON THE DISCRETION OF THE ENGINEER.

DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 31
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
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US 60 & ROUTE 37
EROSION CONTROL
PLAN SHEET
SHEET 1 OF 1

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



NOTE: PAVEMENT MARKING AROUND ISLANDS SHALL BE ADJUSTED FROM EXISTING PAVEMENT MARKING. NEW PAVEMENT MARKING SHALL BE PARALLEL TO THE ADJOINING LANE LINE AND NOT THE ISLAND ITSELF. ALL OTHER PAVEMENT MARKING SHALL REMAIN THE SAME AS EXISTING.



NOT TO SCALE

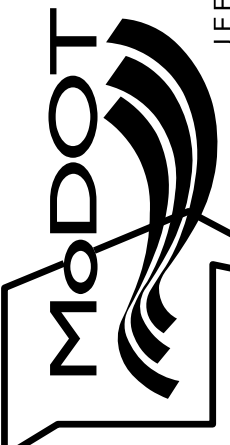
US 60 AT ADAMS DRIVE
AND LARAMIE LANE
PAVEMENT MARKING
SHEET 1 OF 2

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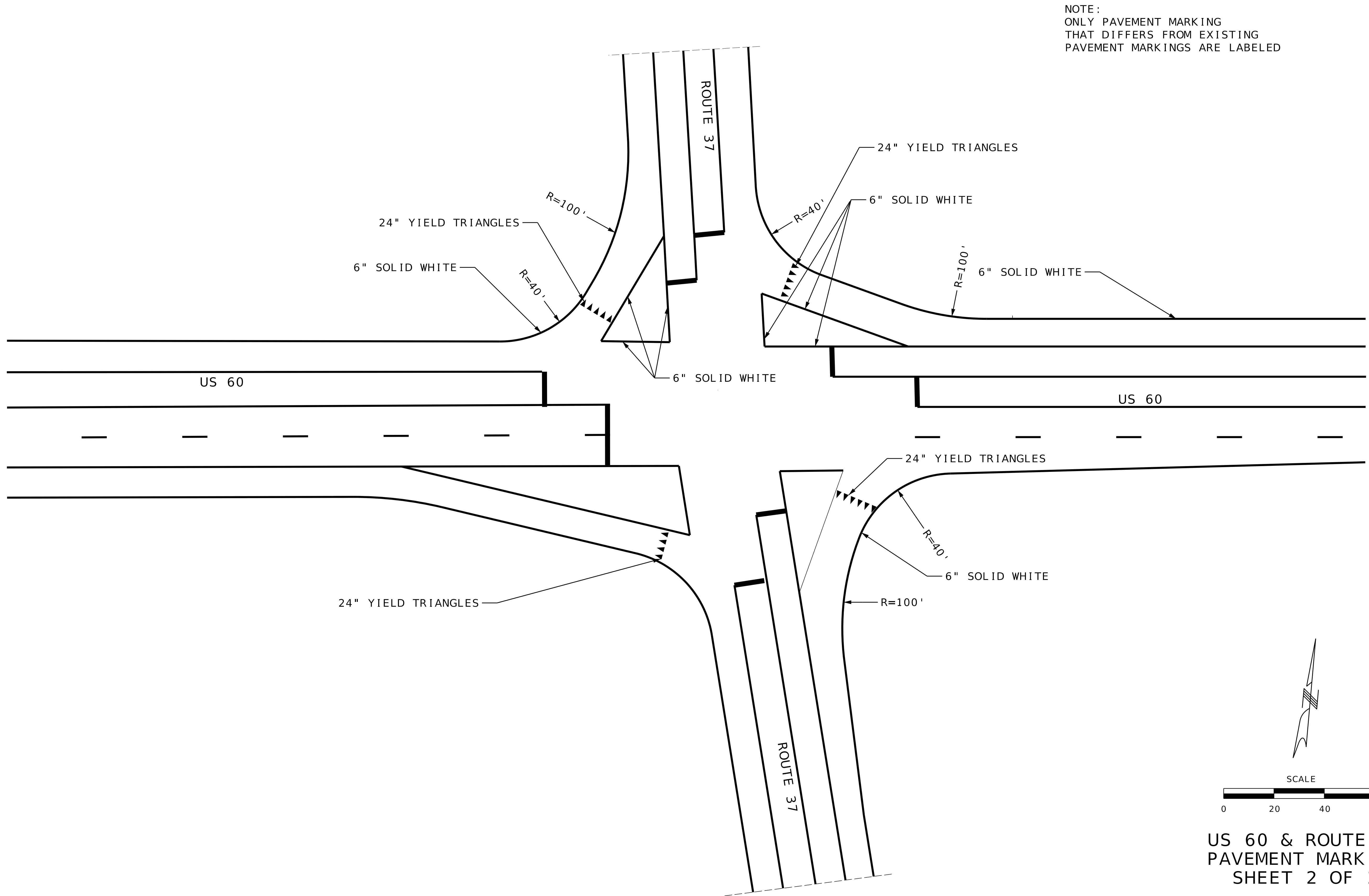


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE	DESCRIPTION

DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 32
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

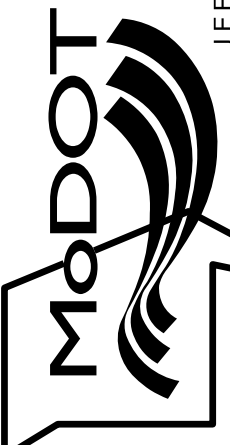


NOTE :
ONLY PAVEMENT MARKING
THAT DIFFERS FROM EXISTING
PAVEMENT MARKINGS ARE LABELED

DATE PREPARED 8/8/2025	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 33
COUNTY BARRY/NEWTON	
JOB NO. J7P3386	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

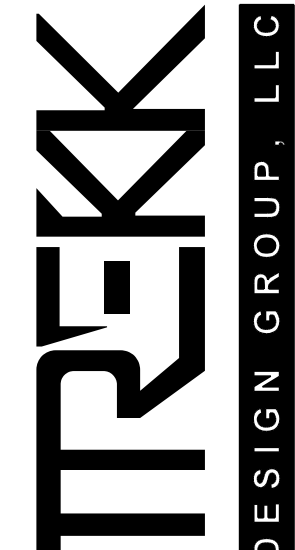
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

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