

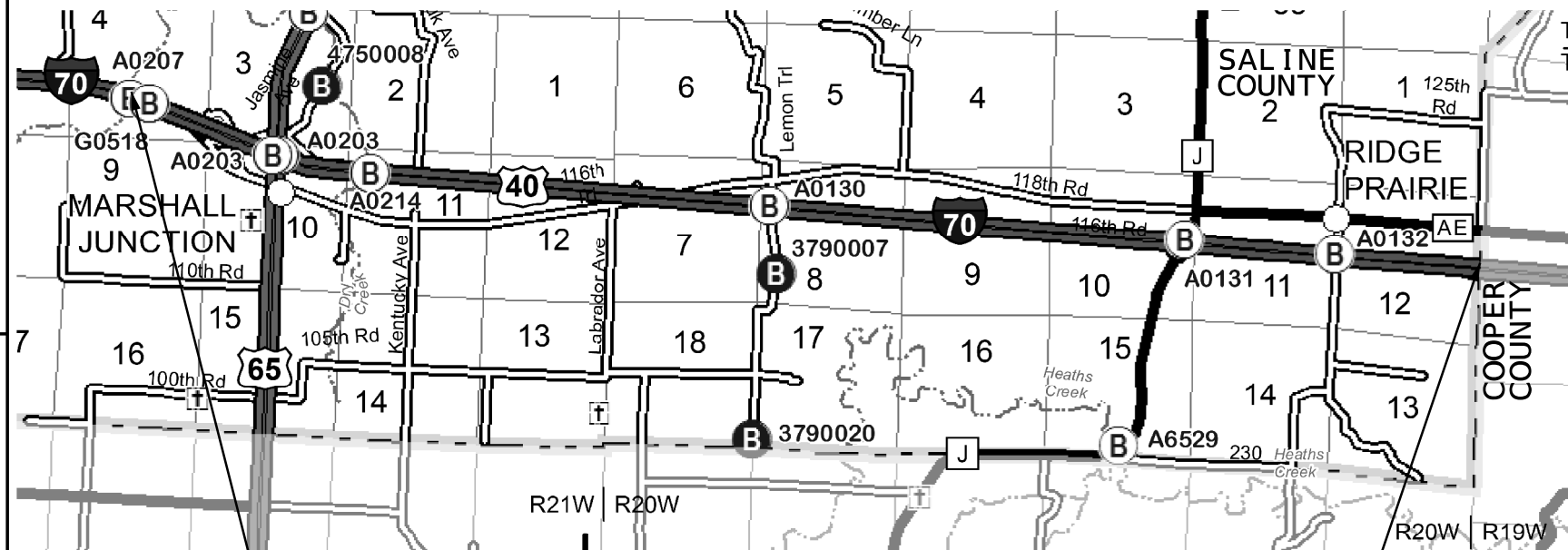
A.A.D.T. - 2022 = 14128
A.A.D.T. - 2022 = 14128
D.H.V. = 8 %
T = 40 %
V = 70 M.
D = N/A

NO RIGHT OF
WAY REQUIRED

BUILDINGS AND STRUCTURES
GUARD RAIL
GUARD CABLE
CONCRETE RIGHT-OF-WAY MARKER
STEEL RIGHT-OF-WAY MARKER
LOCATION SURVEY MARKER
UTILITIES
FIBER OPTICS
OVERHEAD CABLE TV
UNDERGROUND CABLE TV
OVERHEAD TELEPHONE
UNDERGROUND TELEPHONE
OVERHEAD POWER
UNDERGROUND POWER
SANITARY SEWER
STORM SEWER
GAS
WATER

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

KEY MAP
LOCATION OF SALINE COUNTY



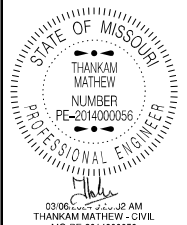
163.242 TO 172.775 (9.53 MILES), WESTBOUND I-70
(STARTING AT COOPER COUNTY LINE
AND ENDING TO BLACKWATER RIVER, BRIDGE #A0203.)

3/4" ULTRATHIN BONDED ASPHALT WEARING SURFACE (UBAWS)
OVERLAY - MAINLINE AND SHOULDERS
2" MILL & FILL SP125 BSM MAINLINE OF RAMPS
2" MILL & FILL BP-1 SHOULDER OF RAMPS



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.

TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (2 SHEET)----	2
QUANTITIES (QU) (4 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-5
TRAFFIC CONTROL SHEETS (TC)-----	6-12



DATE PREPARED	
1/19/2024	
ROUTE	STATE
70	MO
DISTRICT	SHEET NO.
KC	1
COUNTY	
SALINE	
JOB NO.	
J413366	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

BEGINNING OF PROJECT	LOG MILE 163.242
END OF PROJECT	LOG MILE 172.775

APPARENT LENGTH 9.501 MILES
(50,165.3 FEET)

EQUATIONS AND EXCEPTIONS:

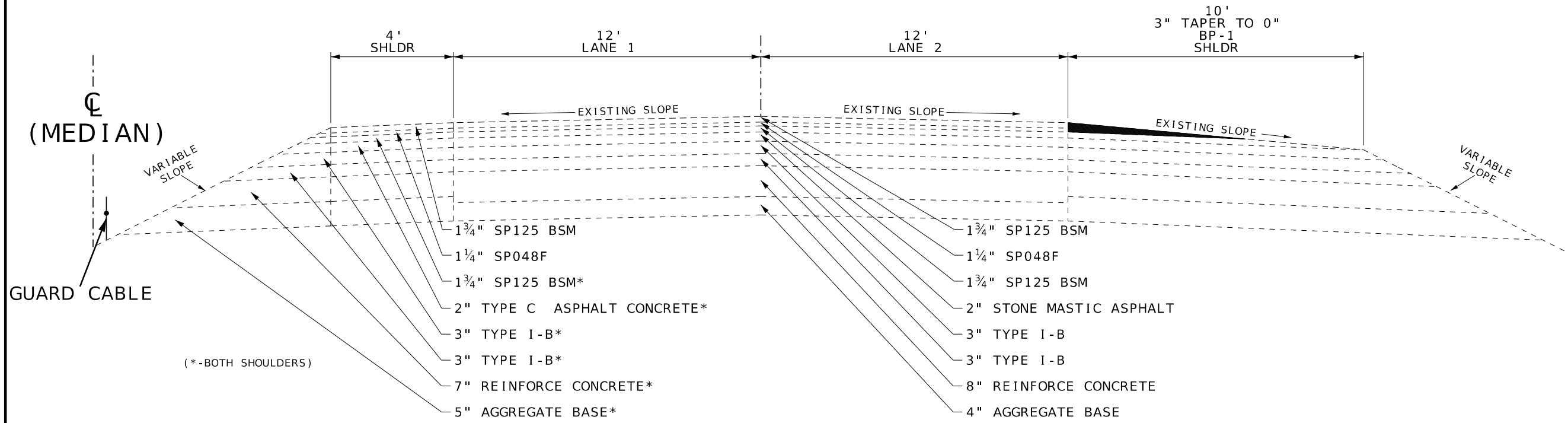
BRIDGE A0203 EXCEPTION
171.356-171.496 (~243 FEET)

ROUTE J CONCRETE EXCEPTION
165.256-165.476 (~1,160 FEET)

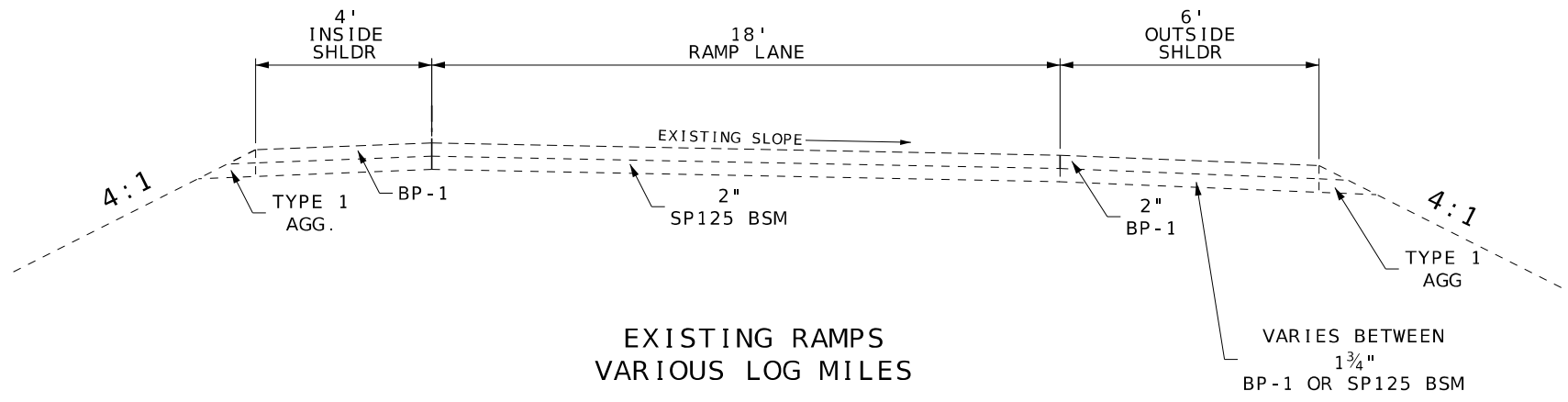
NET LENGTH OF PROJECT	48,762.3 FEET
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9.24 MILES

EXISTING TYPICAL SECTIONS



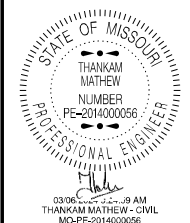
EXISTING MAINLINE
LOG MILES 163.242 TO 172.775



EXISTING RAMPS
VARIOUS LOG MILES

TYPICAL SECTIONS
1 OF 2

NOT TO SCALE

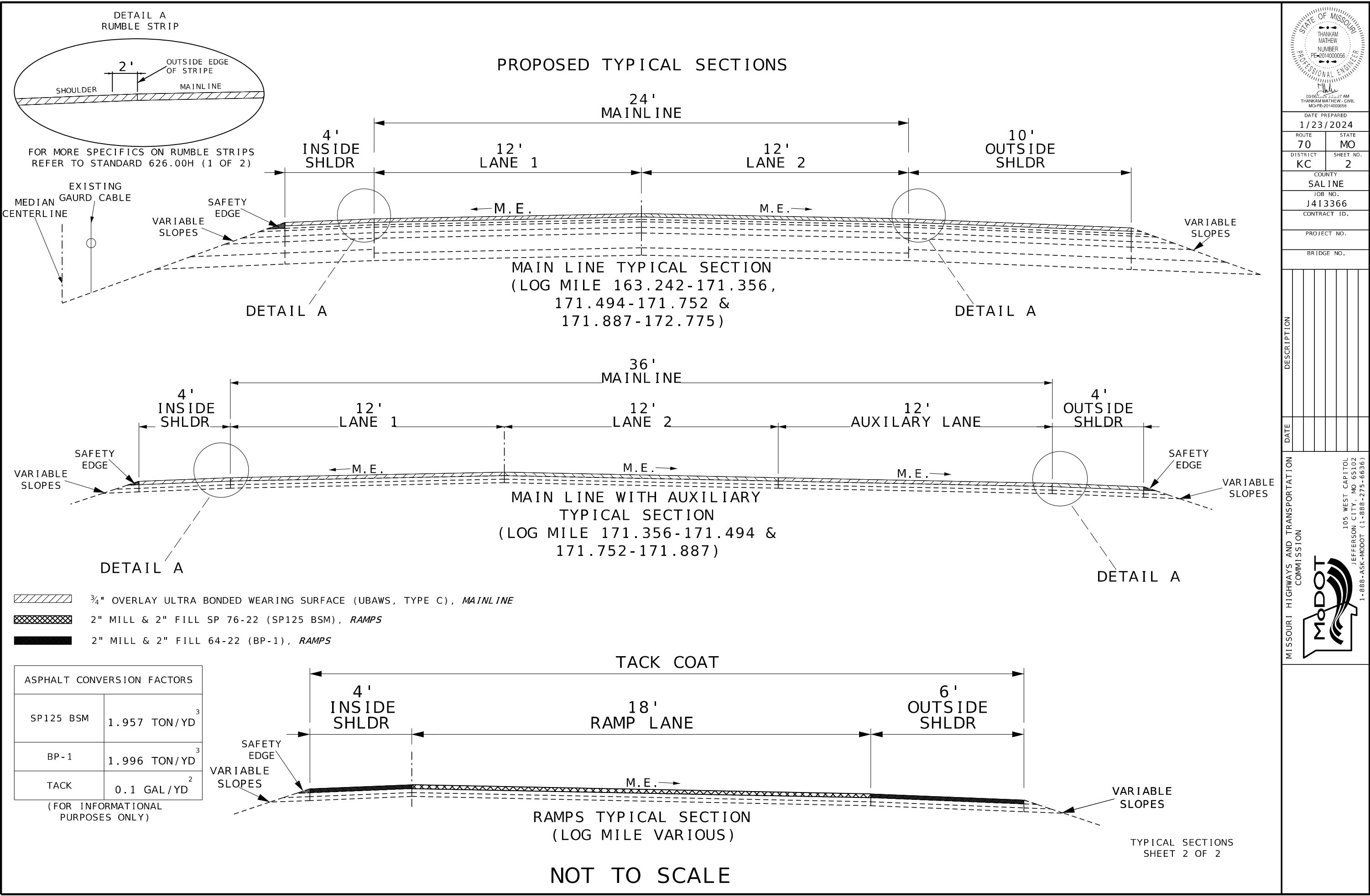


DATE PREPARED 1/16/2024	
ROUTE 70	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY SALINE	
JOB NO. J413366	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



STATE OF MISSOURI
THANKAM
MATHEW
NUMBER
PC-2014000056
PROFESSIONAL ENGINEER
03/06/2024 11:47 AM
THANKAM MATHEW - CIVIL
MO-PE-2014000056

DATE PREPARED
1/23/2024

ROUTE
70

DISTRICT
KC

STATE
MO

SHEET NO.
2

COUNTY
SALINE

JOB NO.
J413366

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)

MAINLINE QUANTITIES							
LOG MILE START	LOG MILE END	TOTAL LENGTH (FT)	LANE WIDTH (FT)	INSIDE SHLDR (FT)	OUTSIDE SHLDR (FT)	3/4" ULTRATHIN BONDED ASPHALT WEARING SURFACE (SY)	NOTES / REMARKS
163.242	164.774	8089.0	24.0	4.0	10.0	34153.39	BEGINNING OF JOB (COOPER COUNTY LINE)
164.774	165.274	2640.0	24.0	4.0	10.0	11146.67	BEFORE ROUTE J OFF RAMP CONCRETE EXCEPTION (LOG MILES 0.220)
165.476	165.976	2640.0	24.0	4.0	10.0	11146.67	AFTER ROUTE J OFF RAMP CONCRETE EXCEPTION (LOG MILES 0.220)
165.976	170.976	26400.0	24.0	4.0	10.0	111466.67	
170.976	171.356	2006.4	24.0	4.0	10.0	8471.47	APPROACHING US 65 NB
171.356	171.496	739.2	24.0	4.0	10.0	3121.07	
171.496	171.737	1272.5	36.0	4.0	4.0	6221.01	BEGINNING OF AUX LANE FOR US 65 NB FROM I-70 WB
171.737	171.796	311.5	24.0	4.0	10.0	1315.31	BEFORE BRIDGE / CONCRETE EXCEPTION 171.796-171.861 (0.065 LOG MILES)
171.861	171.901	211.2	36.0	4.0	4.0	1032.53	AFTER BRIDGE / CONCRETE EXCEPTION 171.796-171.861 (0.065 LOG MILES)
171.901	172.401	2640.0	24.0	4.0	10.0	11146.67	US 65 On Ramp towards I-70
172.401	172.775	1974.7	24.0	4.0	10.0	8337.71	END OF JOB AT BLACKWATER RIVER (BRIDGE#G0518)
163.242	172.775	50,334.2				2075.59	INCLUDED FOR SAFETY EDGE (ONLY FOR 4' OR LESS SHOULDER LENGTH)
SUBTOTAL						209,634.74	
MAINLINE TOTALS						209,635	

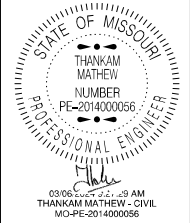
RAMP QUANTITIES												
LOG MILE START	LOG MILE END	TOTAL LENGTH (FT)	LANE WIDTH (FT)	INSIDE SHLDR (FT)	OUTSIDE SHLDR (FT)	2" BITUMINOUS PAVEMENT PG 76-22 (SP 125C BSM) (TON)	2" ASPHALTIC CONCRETE PG 64-22 (BP-1) (TON)	TACK COAT (GAL)	COLD MILLING (LANE 1) (SY)	COLD MILLING INSIDE SHLDR (SY)	COLD MILLING OUTSIDE SHLDR (SY)	NOTES / REMARKS
0.000	0.147	776.2	18.0	4.0	6.0	168.77	95.63	241.5	1552.3	345.0	517.4	ROUTE J OFF RAMP (I-70 LOG MILE 165.156)
0.000	0.137	723.4	18.0	4.0	6.0	157.29	89.13	225.0	1446.7	321.5	482.2	ROUTE J ON RAMP (I-70 LOG MILE 165.496)
0.000	0.047	248.2	18.0	4.0	6.0	53.96	30.58	77.2	496.3	110.3	165.4	ROUTE J ON RAMP (I-70 LOG MILE 165.156)
0.047	0.405	1890.2	18.0	4.0	6.0	411.02	232.90	588.1	3780.5	840.1	1260.2	US 65 NB OFF RAMP (I-70 LOG MILE 171.357)
0.000	0.240	1267.2	18.0	4.0	6.0	275.55	156.13	394.2	2534.4	563.2	844.8	US 65 NB CLOVERLEAF TOWARDS I-70 WB
0.000	0.183	966.2	18.0	4.0	6.0	210.10	119.05	300.6	1932.5	429.4	644.2	I-70 WB CLOVERLEAF TOWARDS US65 SB
0.000	0.254	1341.1	18.0	4.0	6.0	291.62	165.24	417.2	2682.2	596.1	894.1	US 65 SB OFF RAMP (I-70 LOG MILE 172.061)
VAR	VAR	7,212.48					8.89					INCLUDED FOR SAFETY EDGE (INSIDE SHOULDER ONLY)
SUBTOTAL						1568.31	897.54	2243.9	14425.0	3205.5	4808.3	
RAMP TOTALS						1568.3	897.5	2244	22439			

MOBILIZATION
1 LUMP SUM

SHOULDER LINE
RUMBLE STRIPS
501.8 STA.

MODIFIED COLDMILLING			
LOCATION	LANE WIDTH	LENGTHS	SUBTOTAL
	(FT)	(FT)	SQFT
US-65 INTERCHANGE	18	400	7200
BEFORE RTE J	12	400	4800
ROUTE J	18	200	3600
LEMON TRAIL	12	400	4800
TOTAL			20400
TOTAL (SQYD)			2267

SUMMARY OF QUANTITIES
SHEET 1 OF 4



DATE PREPARED
1/22/2024

ROUTE 70	STATE MO
DISTRICT KC	SHEET NO. 3

COUNTY
SALINE

JOB NO.
J413366

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

FULL & PARTIAL DEPTH REPAIR QUANTITIES														
DATE MARKED	HIGHWAY LOCATION	LOG MILE	RECOMMENDED LANE	DIMENSION FT x FT		INTERIOR CUTS	FD PATCH SIZE (DIM/9) (SQYD)	FURNISHING & PLACING CONCRETE MATERIAL (SQYD)	SUBGRADE COMPACTION 6" (SQYD)	TYPE 1 or 5 AGG BASE (4") (SQYD)	SAW CUT (LF)	DOWEL BAR (EA)	DOWEL BASKET (EA)	TIE BAR (EA)
11/21/2023	I-70 WB	85.442	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	85.443	1	10	12	YES	13.33	13.33	1.33	1.33	56	20		
11/21/2023	I-70 WB	85.411	1	10	12	YES	13.33	13.33	1.33	1.33	56	20		
11/21/2023	I-70 WB	85.866	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	84.347	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	83.766	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	81.723	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	81.724	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	81.545	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	79.828	1	6	12		8.00	8.00	0.80	0.80	36	20		
11/21/2023	I-70 WB	78.230	1	165	12	YES	220.00	220.00	22.00	22.00	678	20	110	55
TOTALS						-	-	310.67	31.07	31.07	1078.00	220.00	110.00	55.00
AT DISCRETION OF ENGINEER														

NOTE: TO SEE MORE DETAIL WITH MEASURING SAW CUTS REFER TO:
EPG 613.1.1 OR 613.00T STANDARD PLAN

STATE OF MISSOURI

THANKAM MATHIEW

NUMBER

PE-2014000066

PROFESSIONAL ENGINEER

03/05/2024 2:22:44 AM

THANKAM MATHIEW - CIVIL

MO-PE-2014000066

DATE PREPARED

3/5/2024

ROUTE

70

STATE

MO

DISTRICT

KC

SHEET NO.

3

COUNTY

SALINE

JOB NO.

J413366

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

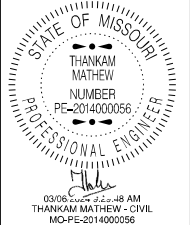
JEFFERSON CITY, MO 65102

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

MoDOT

MAINLINE PERMANENT PAVEMENT MARKING							
LOG MILE	LOG MILE	TOTAL LENGTH	6" YELLOW ARCYLIC WATERBORNE (TYPE L BEADS)	6" WHITE ARCYLIC WATERBORNE (TYPE L BEADS)	6" INT. WHITE ARCYLIC WATERBORNE (TYPE L BEADS)	12" WHITE ARCYLIC WATERBORNE (TYPE L BEADS)	REMARKS
START	END	(FT)	(LF)	(LF)	(LF)	(LF)	
163.274	163.774	2640.0	2640.0	2640.0	660.0		BEGINNING OF JOB (COOPER COUNTY LINE)
163.774	164.274	2640.0	2640.0	2640.0	660.0		
164.274	164.774	2640.0	2640.0	2640.0	660.0		
164.774	165.256	2545.0	2545.0	2545.0	636.2	360.0	ROUTE J OFF RAMP (LOG MILE 165.156)
165.256	165.476	1161.6	1161.6	1161.6	290.4	430.0	CONCRETE EXCEPTION (LOG MILE 0.220)
165.476	170.476	26400.0	26400.0	26400.0	6600.0		
170.476	170.856	2006.4	2006.4	2006.4	501.6		APPROACHING US 65 NB
170.856	170.996	739.2	739.2	739.2	184.8	264	BEGINNING OF AUX LANE FOR US 65 NB FROM I-70 WB (WIDE DOTTED LINES ARE INCLUDED IN 12" MARKINGS)
170.996	171.237	1272.5	1272.5	1272.5	318.1		
171.237	171.296	311.5	311.5	311.5	77.9	345	WIDE DOTTED LINES ARE INCLUDED IN 12" WHITE QUANTITIES
171.296	171.861	2983.2	2983.2	2983.2	745.8		BRIDGE / CONCRETE EXCEPTION 171.796-171.861 (0.065 LOG MILES)
171.861	171.901	211.2	211.2	211.2	52.8	280.0	
171.901	172.401	2640.0	2640.0	2640.0	660.0	440.0	US 65 SB ON RAMP TOWARDS I-70 WB
172.401	172.775	1974.7	1974.7	1974.7	493.7		END OF JOB AT BLACKWATER RIVER (BRIDGE #G0518)
SUB TOTAL			50,165	50,165	12,541	2,119	
MAINLINE TOTAL			50,165	62,707		2,119	

RAMP PERMANENT PAVEMENT MARKING							
LOG MILE	LOG MILE	TOTAL LENGTH	6" YELLOW ARCYLIC WATERBORNE (TYPE L BEADS)	6" WHITE ARCYLIC WATERBORNE (TYPE L BEADS)	6" INT. WHITE ARCYLIC WATERBORNE (TYPE L BEADS)	12" WHITE ARCYLIC WATERBORNE (TYPE L BEADS)	REMARKS
START	END	(FT)	(LF)	(LF)	(LF)	(LF)	
0.000	0.147	776.160	776.2	776.2			ROUTE J OFF RAMP (I-70 LOG MILE 165.156)
0.000	0.137	723.360	723.4	723.4			ROUTE J ON RAMP (I-70 LOG MILE 165.496)
0.000	0.047	248.160	248.2	248.2			
0.047	0.405	1890.240	1890.2	1890.2			US 65 NB OFF RAMP (I-70 LOG MILE 171.357)
0.000	0.240	1267.200	1267.2	1267.2		330	US 65 NB CLOVERLEAF TOWARDS I-70 WB
0.000	0.183	966.240	966.2	966.2		175	I-70 WB CLOVERLEAF TOWARDS US65 SB
0.000	0.254	1341.120	1341.1	1341.1			US 65 SB ON RAMP (I-70 LOG MILE 172.061)
SUB TOTAL			7,212	7,212	0	505	
RAMP TOTAL			7,212	7,212		505	
TOTALS			57,378	69,919		2,624	



DATE PREPARED

3/6/2024

ROUTE

70

STATE

MO

DISTRICT

KC

SHEET NO.

3

COUNTY

SALINE

JOB NO.

J413366

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)

MO-PE-2014000056	
DATE PREPARED 3/5/2024	
ROUTE 70	STATE MO
DISTRICT KC	SHEET 1 3

JOB NO.
J4I3366

PROJECT NO.

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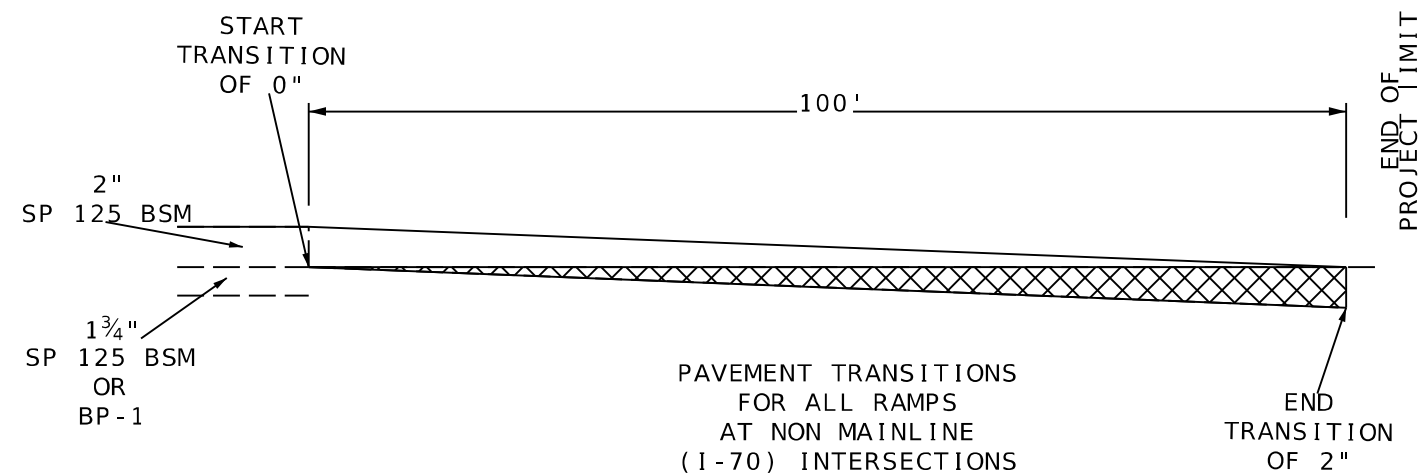
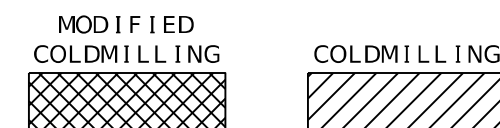
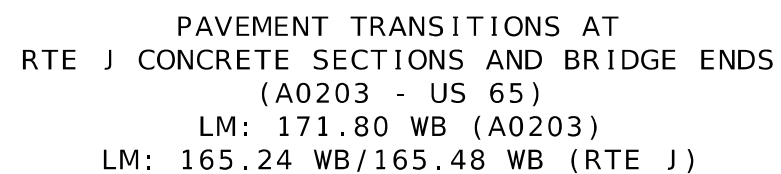
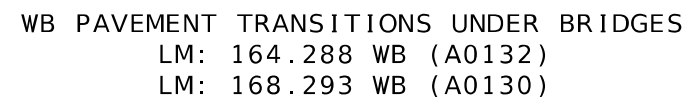
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







DEPTH TRANSITIONS
SPECIAL SHEET
SHEET 1 OF 2

NOT TO SCALE



TAPER LENGTH (L)

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

DE

DETAILS NOTES:

- ** 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)

GENERAL NOTES:

1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.
6. SIGN SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

SPACING
TEMPORARY
TRAFFIC CONTROL
SHEET 1 OF 7

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'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

LEGEND NOTE:

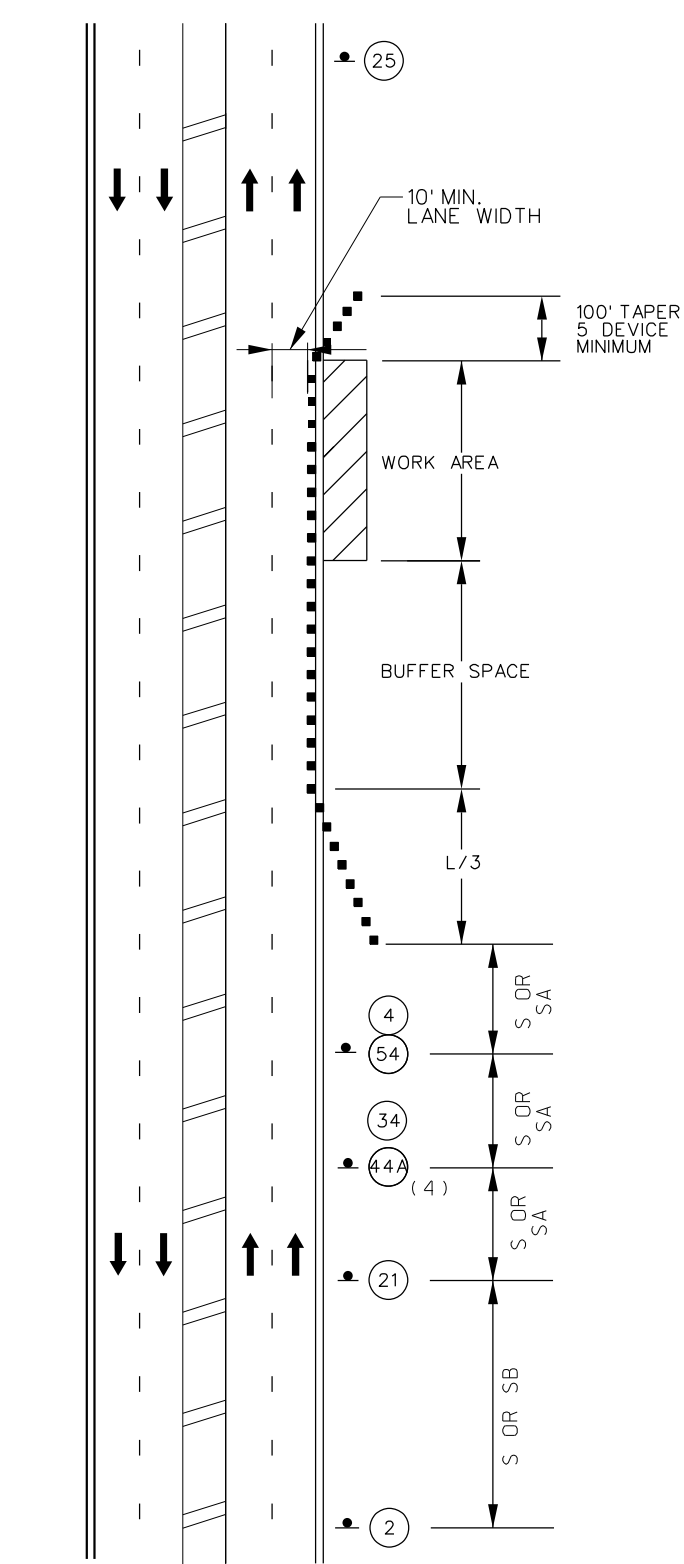
THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

DATE	DESCRIPTION

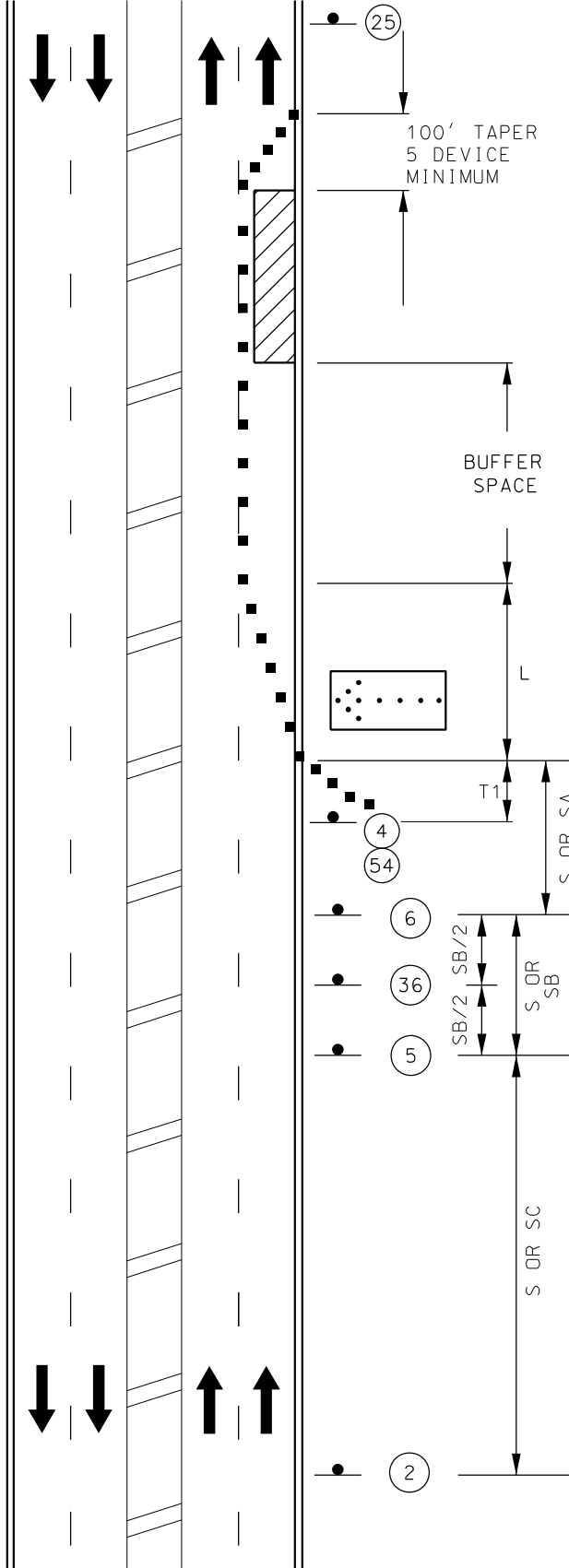
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102



SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT
TWO-LANE UNDIVIDED HIGHWAY



LANE CLOSURE
TWO-LANE UNDIVIDED HIGHWAY

GENERAL NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (3). SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.
- (4). FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT.
- (5). FOR UNEVEN LANES SIGNAGE SPECIFICATIONS, REFER TO 619.10J

ROAD
WORK
AHEAD

WO20-1

2

BRIDGE
OR
RAMP

SHOULDER
WORK
AHEAD

WO21-5b

21

FLASHING
ARROW PANEL

NEXT
2 MILES

WO7-3a

44A

CENTER
LANE
CLOSED
AHEAD

WO20-5

5

NARROW
LANES

WO5-5

34

WORK ZONE

GO20-5aP

54

RIGHT
LANE
CLOSED

WO20-6a

6

UNEVEN
LANES

WO8-11

36

SPEED
LIMIT
60

R2-1

4

SPEED
LIMIT
70

R2-1
NORMAL SPEED

25

LEFT
OR
RIGHT

CENTER
OR
LEFT

SHOULDER WORK
LANE CLOSURE
TEMPORARY
TRAFFIC CONTROL
SHEET 3 OF 7

STATE OF MISSOURI
THANKAM
MATHEW
NUMBER
PE-2014000056
PROFESSIONAL ENGINEER
03/06/2014 10:42 AM
THANKAM MATHEW - CIVIL
MO-PE-2014000056

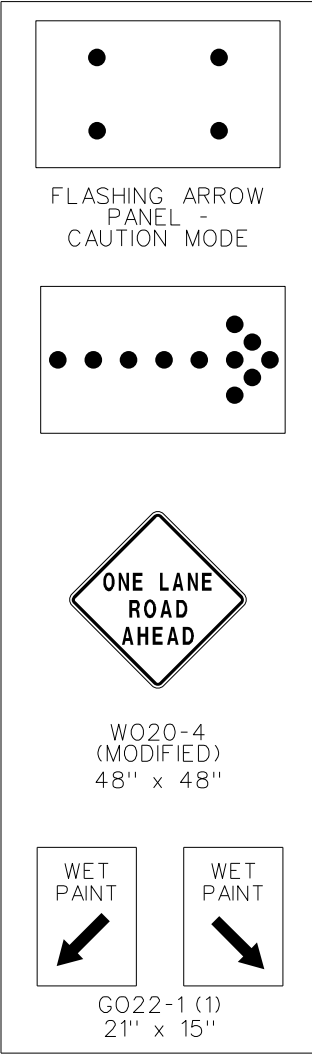
DATE PREPARED
1/19/2024
ROUTE
70
DISTRICT
KC
COUNTY
SALINE
JOB NO.
J413366
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

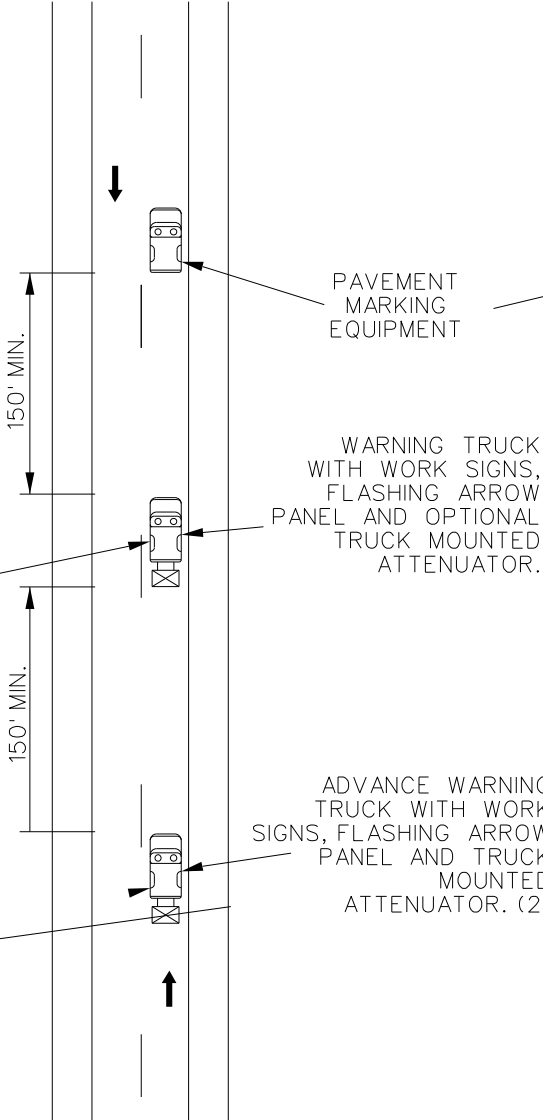
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

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

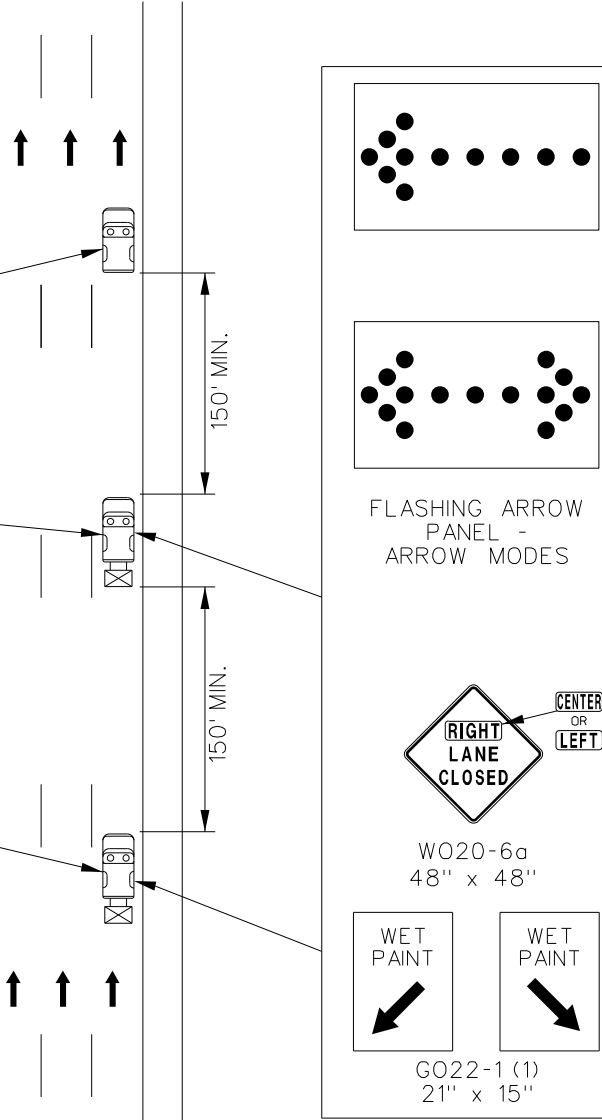


TWO LANE UNDIVIDED HIGHWAY



MULTI-LANE DIVIDED HIGHWAY

MOVING OPERATION ON HIGHWAY
OPEN TO TRAFFIC



NOTES:

- ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.
- UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.
- PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- (1). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.
- (2). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.
- FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
- A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE LANE IS CLOSED A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

CENTERLINE AND/OR
LANE LINE STRIPING
ON MULTI-LANE
UNDIVIDED HIGHWAYS
TEMPORARY
TRAFFIC CONTROL
SHEET 4 OF 7

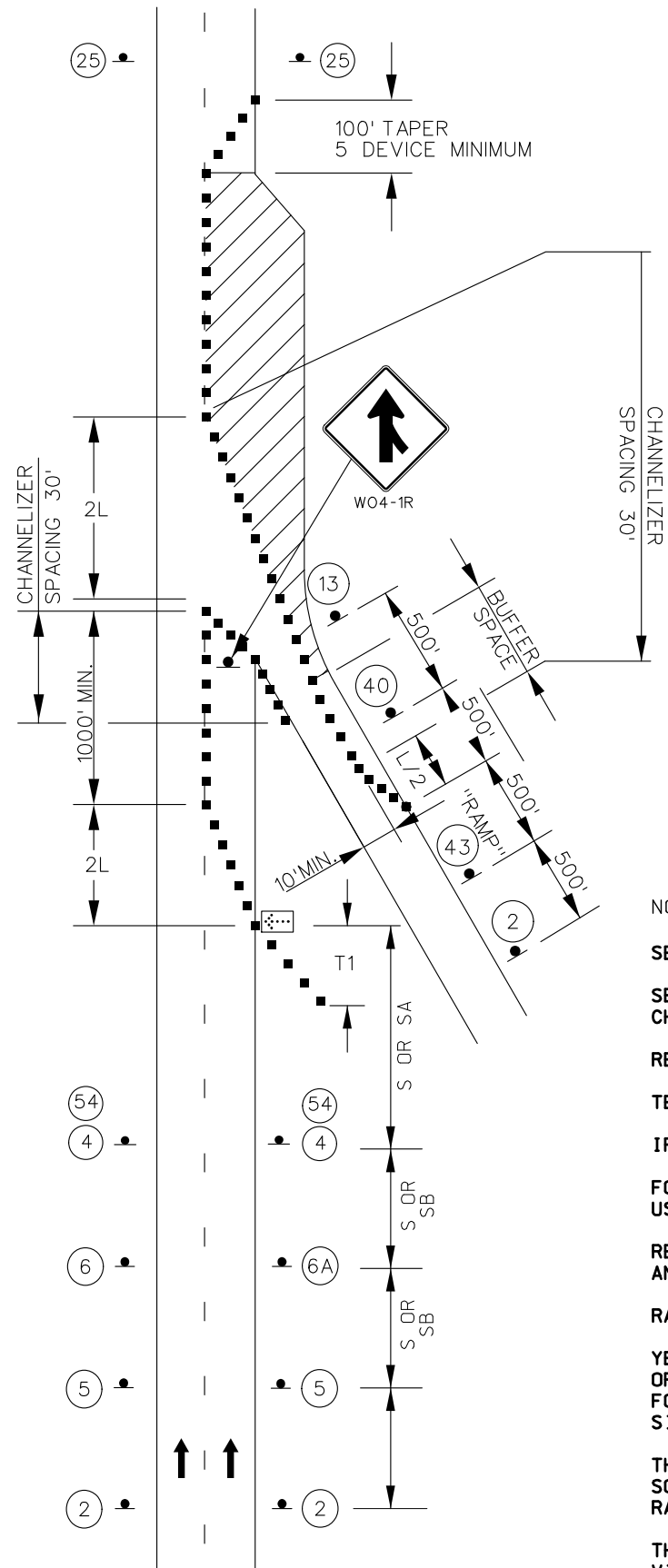


DATE PREPARED 1/19/2024	
ROUTE 70	STATE MO
DISTRICT KC	SHEET NO. 9
COUNTY SALINE	
JOB NO. J413366	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



ROAD WORK AHEAD
W020-1
2

BRIDGE
OR
RAMP
W020-5
5

RIGHT LANE CLOSED
W020-6a
6

MERGE
←
W04-1a
6A

YIELD
R1-2
13

↑
W03-2
40

ROAD NARROWS
W05-1
43

BRIDGE
OR
RAMP
R2-1
4

SPEED LIMIT
60
R2-1
4

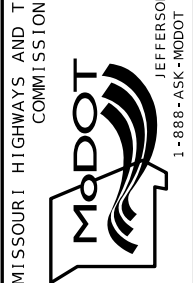
SPEED LIMIT
70
R2-1
25

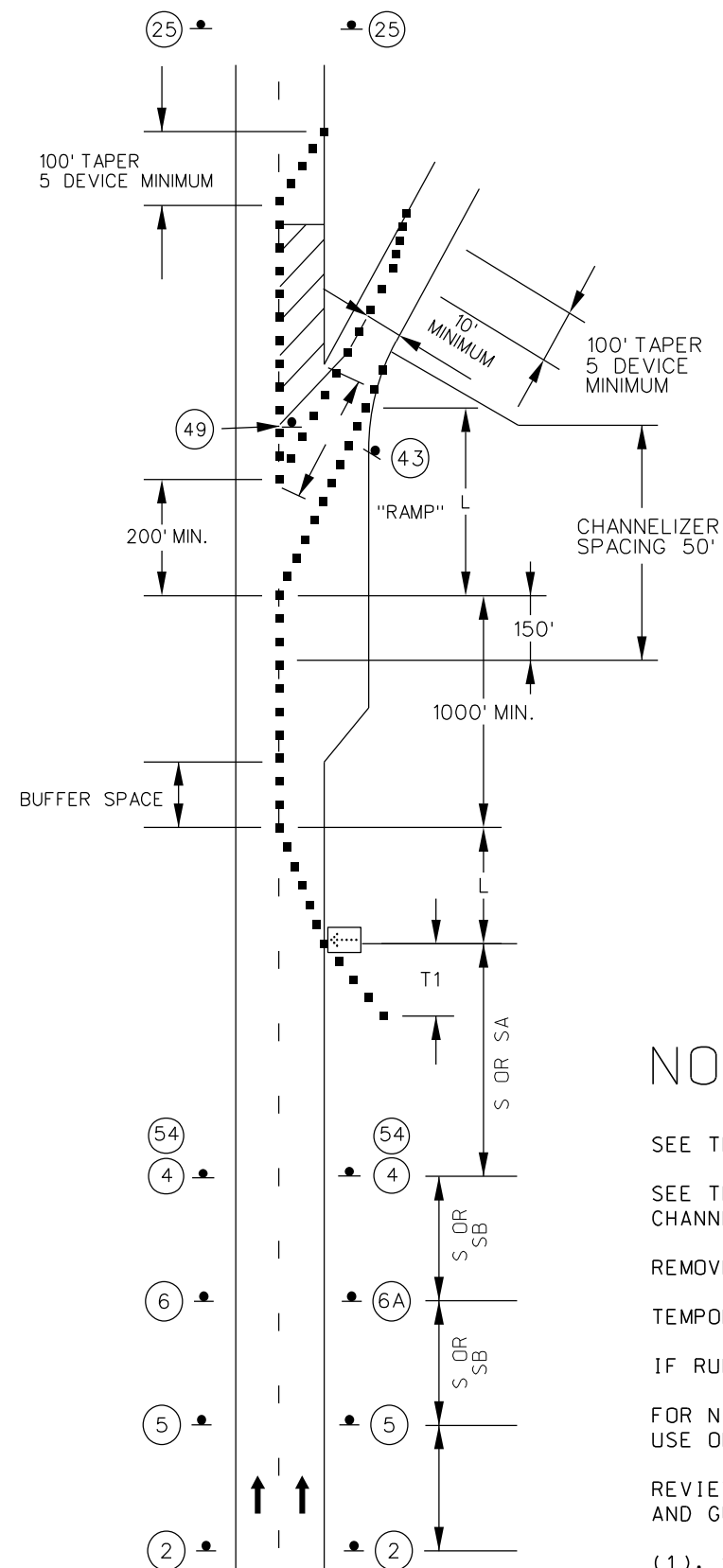
WORK ZONE
G020-5aP
54

FLASHING
ARROW PANEL

CHANNELIZERS

WORK IN VICINITY
OF ENTRANCE RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 5 OF 7

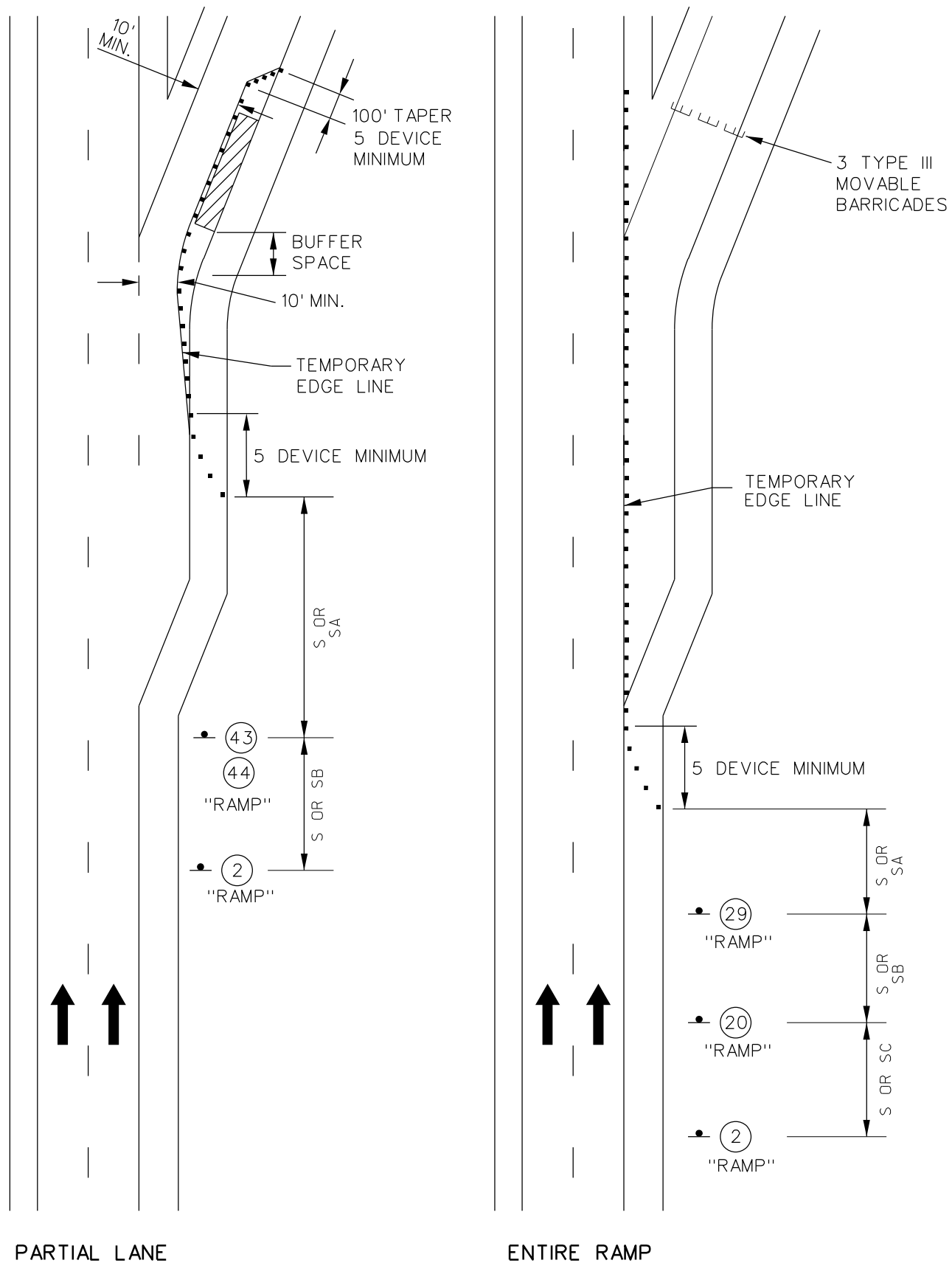




(2). FIVE CHANNELIZER DEVICE MINIMUM.

WORK IN VICINITY
OF EXIT RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 6 OF 7

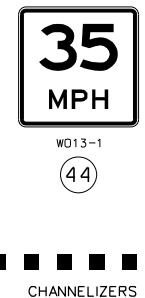
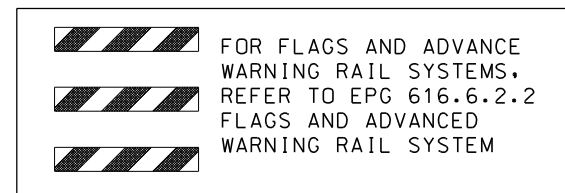
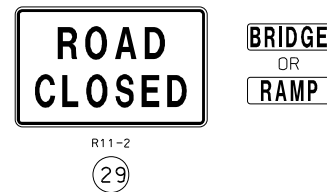
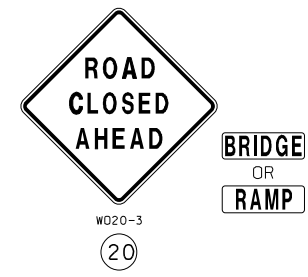
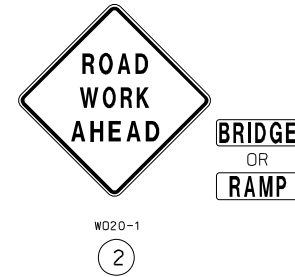




PARTIAL LANE

ENTIRE RAMP

LANE CLOSURE
PARTIAL AND TOTAL RAMP CLOSURE



NOTES:

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

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

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

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

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

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

STATE OF MISSOURI
THANKAM
MATHIEW
NUMBER
PE-2014000056
PROFESSIONAL ENGINEER

03/06/2024 8:52:40 AM
THANKAM MATHIEW - CIVIL
MO-PE-2014000056

DATE PREPARED
1/19/2024

ROUTE
70

STATE
MO

DISTRICT
KC

SHEET NO.
12

COUNTY
SALINE

JOB NO.
J413366

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

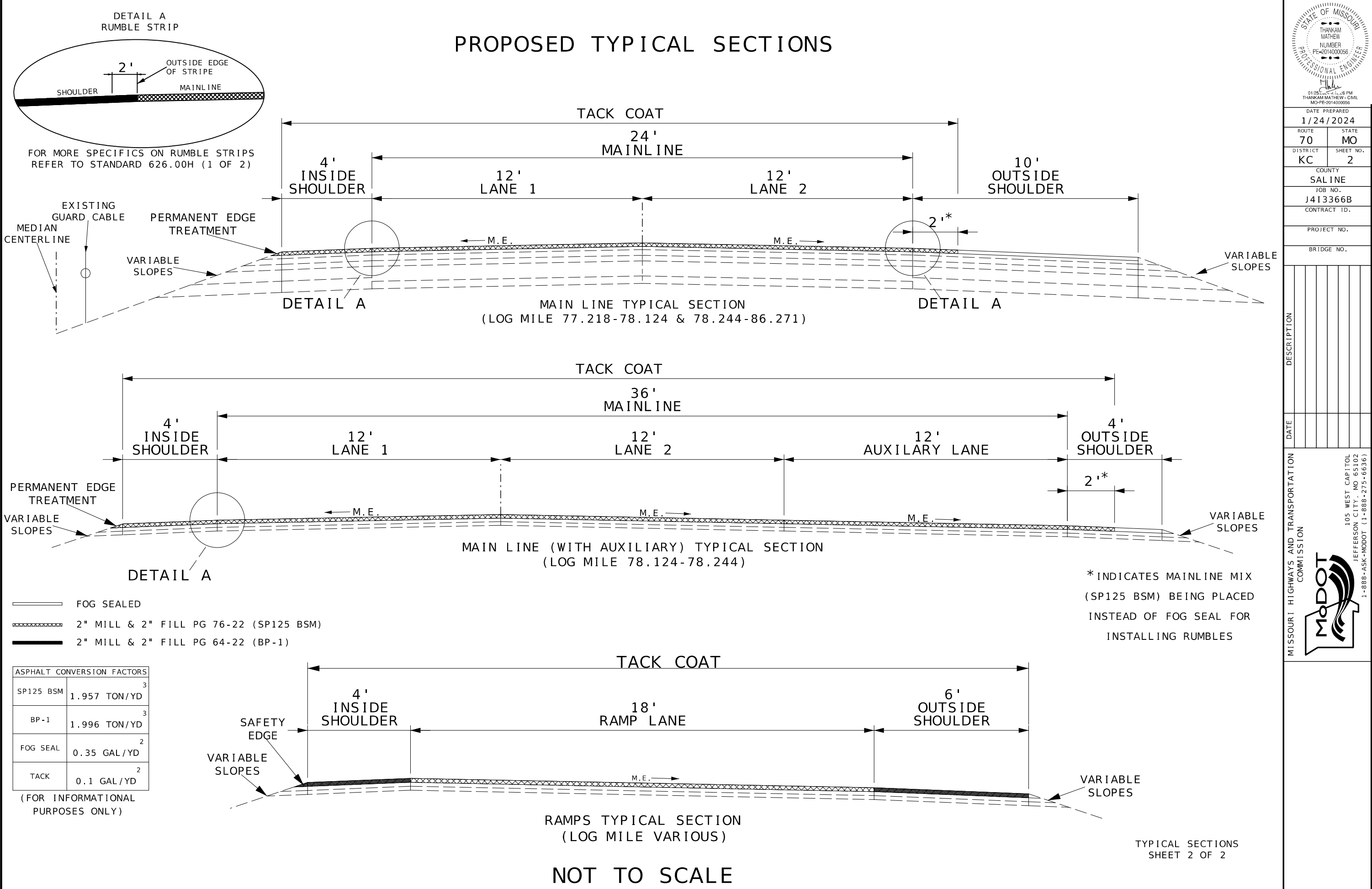
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT



STATE OF MISSOURI

THANKAM MATHIEW

NUMBER

PE-2014000056

PROFESSIONAL ENGINEER

01/23/2024 4:18 PM
THANKAM MATHIEW - CIVIL
MO-PE-2014000056

DATE PREPARED
1/24/2024

ROUTE
70

STATE
MO

DISTRICT
KC

SHEET NO.
2

COUNTY
SALINE

JOB NO.
J413366B

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)

MAINLINE QUANTITIES														
LOG MILE	LOG MILE	TOTAL LENGTH	LANE WIDTH	INSIDE SHLDR	OUTSIDE SHLDR	2" BITUMINOUS PAVEMENT PG 76-22 (SP 125C BSM)	FOG SEAL	TACK COAT	COLD MILLING (LANE 1)	COLD MILLING (LANE 2)	COLD MILLING AUX LANES	COLD MILLING INSIDE SHLDR	NOTES / REMARKS	
START	END	(FT)	(FT)	(FT)	(FT)	(TON)	(GAL)	(GAL)	(SY)	(SY)	(SY)			
77.218	77.718	2640.0	26.0	4.0	8.0	956.76	821.33	880.0	3520.0	4106.7		1173.3	START AT BLACKWATER RIVER (BRIDGE#A0207)	
77.718	77.818	528.0	26.0	4.0	8.0	191.35	164.27	176.0	704.0	821.3		234.7		
77.818	77.938	633.6	26.0	4.0	8.0	229.62	197.12	211.2	844.8	985.6		281.6		
77.938	78.124	982.1	38.0	4.0	8.0	498.28	305.54	458.3	1309.4	1309.4	1527.7	436.5	START OF AUX LANE FOR US 65 SB FROM I-70 EB	
78.124	78.159	184.8	38.0	4.0	2.0	93.76	14.37	86.2	246.4	246.4	287.5	82.1	BEFORE BRIDGE / CONCRETE EXCEPTION 78.159-78.205 (0.046 LOG MILES)	
78.205	78.244	205.9	38.0	4.0	2.0	104.48	16.02	96.1	274.6	274.6	320.3	91.5	AFTER BRIDGE / CONCRETE EXCEPTION 78.159-78.205 (0.046 LOG MILES)	
78.244	78.484	1267.2	26.0	4.0	8.0	459.24	394.24	422.4	1689.6	1971.2		563.2	APPROACHING US 65 NB OFF RAMP TOWARDS I-70 EB	
78.484	78.610	665.3	26.0	4.0	8.0	241.10	206.98	221.8	887.0	1034.9		295.7	START OF AUX LANE FOR US 65 NB FROM I-70 EB	
78.610	81.610	15840.0	26.0	4.0	8.0	5740.53	4928.00	5280.0	21120.0	24640.0		7040.0		
81.610	81.632	116.2	26.0	4.0	8.0	42.10	36.14	38.7	154.9	180.7		51.6	APPROACHING LEMON TRAIL CONCRETE EXCEPTION 81.632-81.763 (0.131 LOG MILES)	
81.763	82.263	2640.0	26.0	4.0	8.0	956.76	821.33	880.0	3520.0	4106.7		1173.3	AFTER CONCRETE EXCEPTION 81.632-81.763 (0.131 LOG MILES)	
82.263	84.263	10560.0	26.0	4.0	8.0	3827.02	3285.33	3520.0	14080.0	16426.7		4693.3		
84.263	84.356	491.0	26.0	4.0	8.0	177.96	152.77	163.7	654.720	763.8		218.2	ROUTE J OFF RAMP FROM I-70 EB	
84.356	84.739	2022.2	26.0	4.0	8.0	732.87	629.14	674.1	2696.320	3145.7		898.8		
84.739	84.871	697.0	38.0	4.0	8.0	353.62	216.83	325.2	929.280	929.3	1084.2	309.8	ROUTE J ON RAMP TO I-70 EB	
84.871	86.520	8706.7	26.0	4.0	8.0	3155.38	2708.76	2902.2	11608.960	13543.8		3869.7		
86.520	86.721	1061.3	26.0	4.0	8.0	384.62	330.18	353.8	1415.040	1650.9		471.7	END OF JOB AT COOPER COUNTY LINE	
SUBTOTAL						18145.44	15228.34	16689.73	65655.04	76137.60	3219.63	21885.01		
MAINLINE TOTAL						18145	15228	16690	656897					

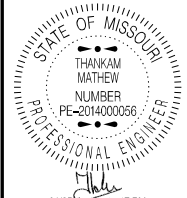
LOG MILE	LOG MILE	TOAL LENGTH	LANE WIDTH	INSIDE SHLDR	OUTSIDE SHDLR	PERMANENT EDGE TREATMENT	NOTES / REMARKS
START	END	(FT)	(FT)	(FT)	(FT)	(LF)	
77.218	86.721	50175.8	0.0	4.0	0.0	50175.8	ENTIRE LENGTH OF PROJECT ON THE OUTSIDE EDGE OF THE INSIDE SHOULDER
TOTAL						50175.84	

RAMP QUANTITIES												NOTES / REMARKS
LOG MILE	LOG MILE	TOAL LENGTH	LANE WIDTH	INSIDE SHLDR	OUTSIDE SHLDR	2" BITUMINOUS PAVEMENT PG 76-22 (SP 125C BSM)	2" ASPHALTIC CONCRETE PG 64-22 (BP-1)	TACK COAT	COLD MILLING (LANE 1)	COLD MILLING INSIDE SHLDR	COLD MILLING OUTSIDE SHLDR	
START	END	(FT)	(FT)	(FT)	(FT)	(TON)	(TON)	(GAL)	(SY)	(SY)	(SY)	
0.000	0.339	1789.9	18.0	4.0	6.0	389.21	220.54	556.9	3579.8	795.520	1193.3	US 65 SB OFF RAMP (I-70 LOG MILE 77.940)
0.000	0.237	1251.4	18.0	4.0	6.0	272.10	154.18	389.3	2502.7	556.160	834.2	US 65 SB CLOVERLEAF TOWARDS I-70 EB
0.000	0.190	1003.2	18.0	4.0	6.0	218.14	123.60	312.1	2006.4	445.867	668.8	I-70 EB CLOVERLEAF TOWARDS US65 NB
0.000	0.313	1652.6	18.0	4.0	6.0	359.36	203.62	514.2	3305.3	734.507	1101.8	US 65 NB OFF RAMP (I-70 LOG MILE 78.484)
0.000	0.165	871.2	18.0	4.0	6.0	189.44	107.34	271.0	1742.4	387.200	580.8	ROUTE J OFF RAMP (I-70 LOG MILE 85.693)
0.000	0.146	770.9	18.0	4.0	6.0	167.62	94.98	239.8	1541.8	342.613	513.9	ROUTE J ON RAMP (I-70 LOG MILE 85.996)
0.000	0.019	100.3	18.0	4.0	6.0	21.81	12.36	31.2	200.6	44.587	66.9	ROUTE J ON RAMP (I-70 LOG MILE 85.693)
VAR	VAR	7439.5					9.17					INCLUDED FOR SAFETY EDGE (INSIDE SHOULDER ONLY)
SUBTOTAL						1617.68	925.79	2314.52	14879.04	3306.45	4959.68	
RAMP TOTAL						1617.68	925.8	2314.52	23145.17			
TOTALS						19763.1		19004.2	190042.5			

MOBILIZATION
1 LUMP SUM

SHOULDER LINE
RUMBLE STRIP
501.8 STA.

SUMMARY OF QUANTITIES
SHEET 1 OF 4



01/25/2014 4:10:37 PM
THANKAM MATHEW - CIVIL
MO-PE-2014000056

DATE PREPARED

1 / 25 / 2024

ROUTE	STATE
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70	MO
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DISTRICT	SHEET NO.
----------	-----------

KC	3
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COUNTY

SALINE

JOB NO.

J4I3366B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

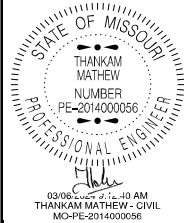
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN		SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN		ITEM	TOTAL	
SIGN	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NUM.		SIGN	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NUM.		NUMBER	QTY	DESCRIPTION
WARNING SIGNS									GUIDE SIGNS											
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)	E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)	E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)	E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)	GO20-1	60X24	10.00	2	20				ROAD WORK NEXT 10 MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)	GO20-2	48X24	8.00	2	16				END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	GO20-5aP	36X24	6.00	6	36				WORK ZONE (PLAQUE)	6122030	1	IMPACT ATTENUATOR (RELOCATION)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a	24X18	3.00						END DETOUR	6123001	1	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L	48X36	12.00						DETOUR (LEFT ARROW)	6161008	2	ADVANCED WARNING RAIL SYSTEM
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R	48X36	12.00						DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR (ARROW RIGHT)	6161025	150	CHANNELIZER (TRIM LINE)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161030		TYPE III MOVEABLE BARRICADE
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161033	20	DIRECTION INDICATOR BARRICADE
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI	6.93						YIELD	6161040	2	FLASHING ARROW PANEL
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER
WO3-2	48X48	16.00	1	16				YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161055	40	SEQUENTIAL FLASHING WARNING LIGHT
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	3	36				SPEED LIMIT XX	6161070		TUBULAR MARKER
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
WO4-1L	48X48	16.00	2	32				MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161096	2	CHANGEABLE MESSAGE SIGN W/O COMM.
WO4-1R	48X48	16.00	2	32				MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161098A		INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO4-1aL	48X48	16.00						MERGE (ARROW SYMBOL)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161098A		CHANGEABLE MESSAGE SIGN WITH COMM.
WO4-1aR	48X48	16.00						MERGE (ARROW SYMBOL)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	6161099		INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO5-1	48X48	16.00	2	32				ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161099		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS
WO5-5	48X48	16.00	2	32				NARROW LANES	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6162002		TEMPORARY TRAFFIC BARRIER
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6173600D		CONTRACTOR FURNISHED/RETAINED
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6173600D		TEMPORARY TRAFFIC BARRIER
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED
WO7-3a	30X24	5.00	1	5				NEXT 10 MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6176000B		TEMPORARY TRAFFIC BARRIER
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)	6176000B		COMMISSION FURNISHED/RETAINED
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	6177000B		COMMISSION FURNISHED/RETAINED
WO8-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)	R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6208064A		TEMPORARY RAISED PAVEMENT MARKER
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	9029400		TEMPORARY TRAFFIC SIGNALS
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00	2	20				ROAD CLOSED	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
WO8-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL	R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD			
WO8-9	48X48	16.00						LOW SHOULDER	R11-4	60X30	12.50						LOCAL TRAFFIC ONLY			
WO8-11	48X48	16.00	1	16				UNEVEN LANES	CONST-3A	60X48	20.00						ROAD CLOSED TO THRU TRAFFIC			
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3X	56X12	4.67						FINE SIGN			
WO8-15	48X48	16.00						GROOVED PAVEMENT	MISCELLANEOUS SIGNS											
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-5	48X36	12.00						POINT OF PRESENCE			
WO8-17	48X48	16.00	2	32				SHOULDER DROP-OFF (SYMBOL)	CONST-5	96X48	32.00	2	64				POINT OF PRESENCE			
WO8-17P	30X24	5.00	2	10				SHOULDER DROP-OFF (PLAQUE)	CONST-7	48X24	8.00	4	32				RATE OUR WORK ZONE			
W10-1	42RND.	9.62						RAILROAD CROSSING	CONST-7	72X36	18.00						RATE OUR WORK ZONE			
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	CONST-8	48X36	12.00	2	24				WORK ZONE NO PHONE ZONE			
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)												
WO12-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)												
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)												
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD												
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD												
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)												
WO16-2	30X24	5.00						XXX FEET (PLAQUE)												
WO16-3	30X24	5.00						X MILE (PLAQUE)												
WO20-1	48X48	16.00	2	32				ROAD/BRIDGE/RAMP WORK AHEAD												
WO20-2	48X48	16.00						DETOUR AHEAD												
WO20-3	48X48	16.00	2	32				ROAD CLOSED AHEAD												
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD												
WO20-5	48X48	16.00	2	32				RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10.05	CONSTRUCTION SIGNS		TOTAL	604							
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10	RELOCATED SIGNS				TOTAL	0					
WO20-6a	48X48	16.00	2	32				RIGHT/CENTER/LEFT LANE CLOSED												
WO20-7a	48X48	16.00						FLAGGER (SYMBOL, WITH FLAGS)												
WO21-2	36X36	9.00						FRESH OIL												
WO21-5	48X48	16.00	1	16				SHOULDER WORK AHEAD												
WO22-1	48X48	16.00						BLASTING ZONE AHEAD												
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE												
WO22-3	42X36	10.50						END BLASTING ZONE												
GO22-1	21X15	2.19	2	4.38				WET PAINT (ARROW PIVOTS)												

SUMARY OF QUANTITIES
SHEET 4 OF 4



DATE PREPARED
3/5/2024
ROUTE 70
STATE MO
DISTRICT KC
SHEET NO. 3

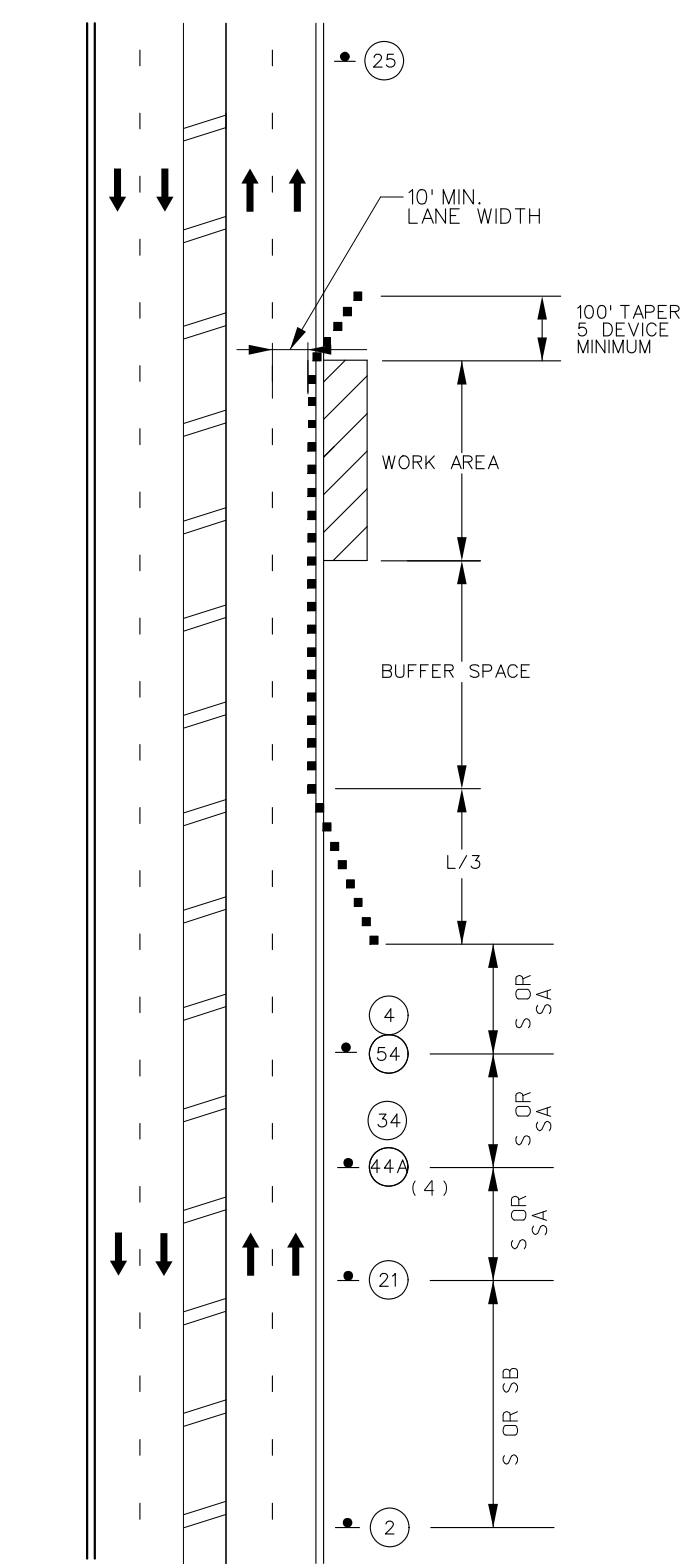
COUNTY
SALINE
JOB NO.
J413366B
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

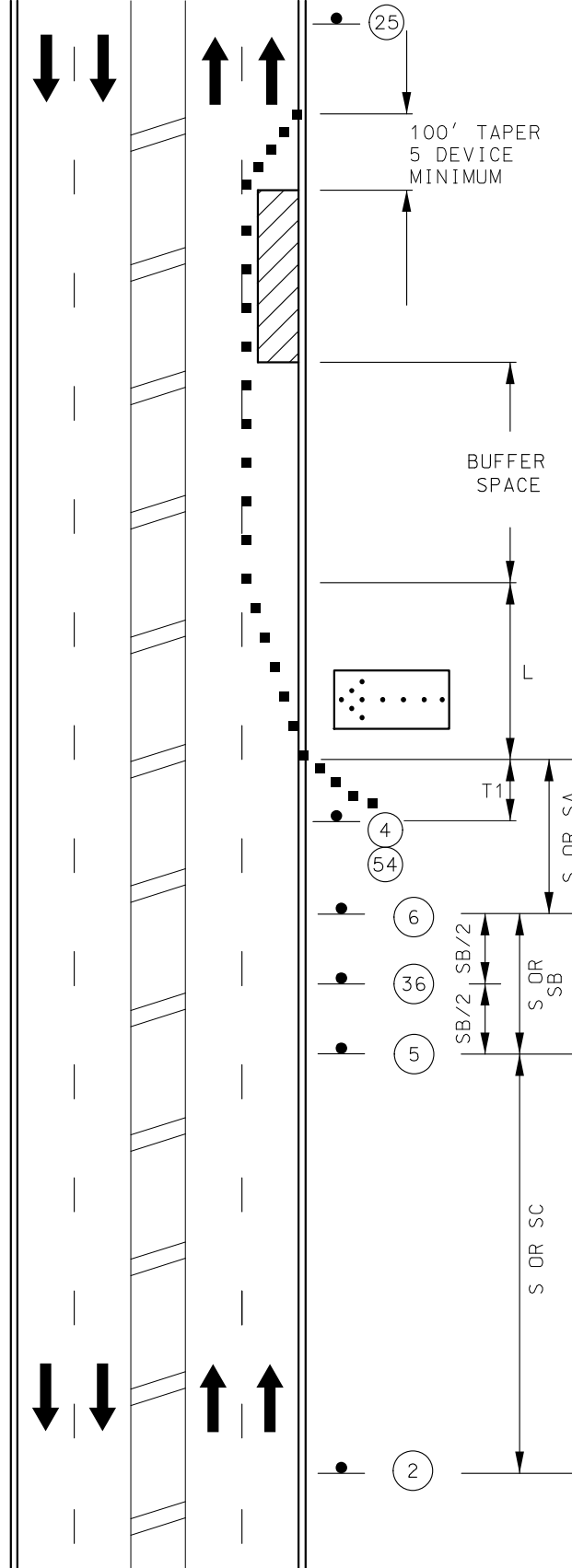
DESCRIPTION	DATE					

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





SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT
TWO-LANE UNDIVIDED HIGHWAY



LANE CLOSURE
TWO-LANE UNDIVIDED HIGHWAY

GENERAL NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (3). SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.
- (4). FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT.
- (5). FOR UNEVEN LANES SIGNAGE SPECIFICATIONS, REFER TO 619.10J

ROAD
WORK
AHEAD

W020-1

2

BRIDGE
OR
RAMP

SHOULDER
WORK
AHEAD

W021-5b

21

FLASHING
ARROW PANEL

NEXT
2 MILES

W07-3a

44A

CENTER
LANE
CLOSED
AHEAD

W020-5

5

NARROW
LANES

W05-5

34

WORK
ZONE

G020-5aP

54

RIGHT
LANE
CLOSED

W020-6a

6

UNEVEN
LANES

W08-11

36

SPEED
LIMIT
60

R2-1

4

SPEED
LIMIT
70

R2-1
NORMAL SPEED

25

LEFT
OR
RIGHT

CENTER
OR
LEFT

STATE OF MISSOURI
THANKAM
MATHIEW
NUMBER
PE-2014000056
PROFESSIONAL ENGINEER
01/25/2024 4:11:42 PM
THANKAM MATHIEW - CIVIL
MO-PE-2014000056

DATE PREPARED
1/24/2024

ROUTE
70

DISTRICT
KC

STATE
MO

SHEET NO.
6

COUNTY
SALINE

JOB NO.
J413366B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

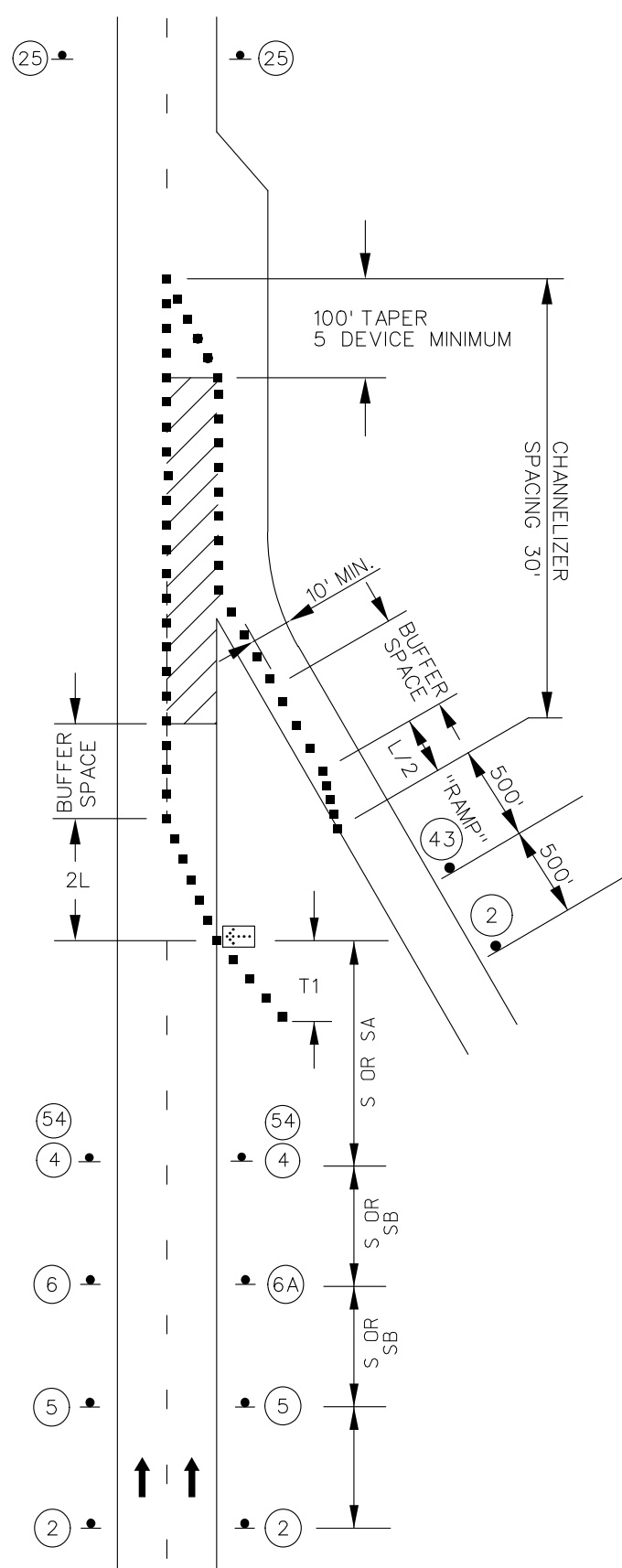
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



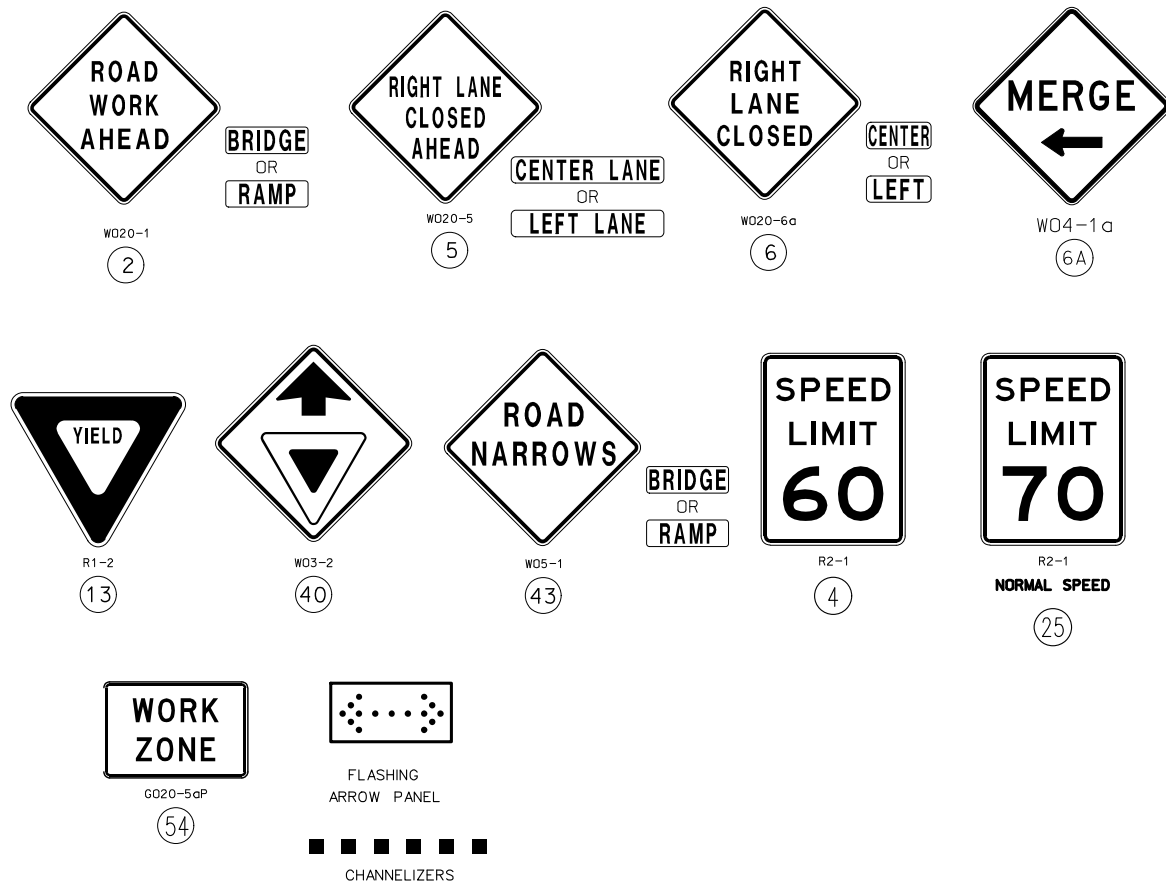
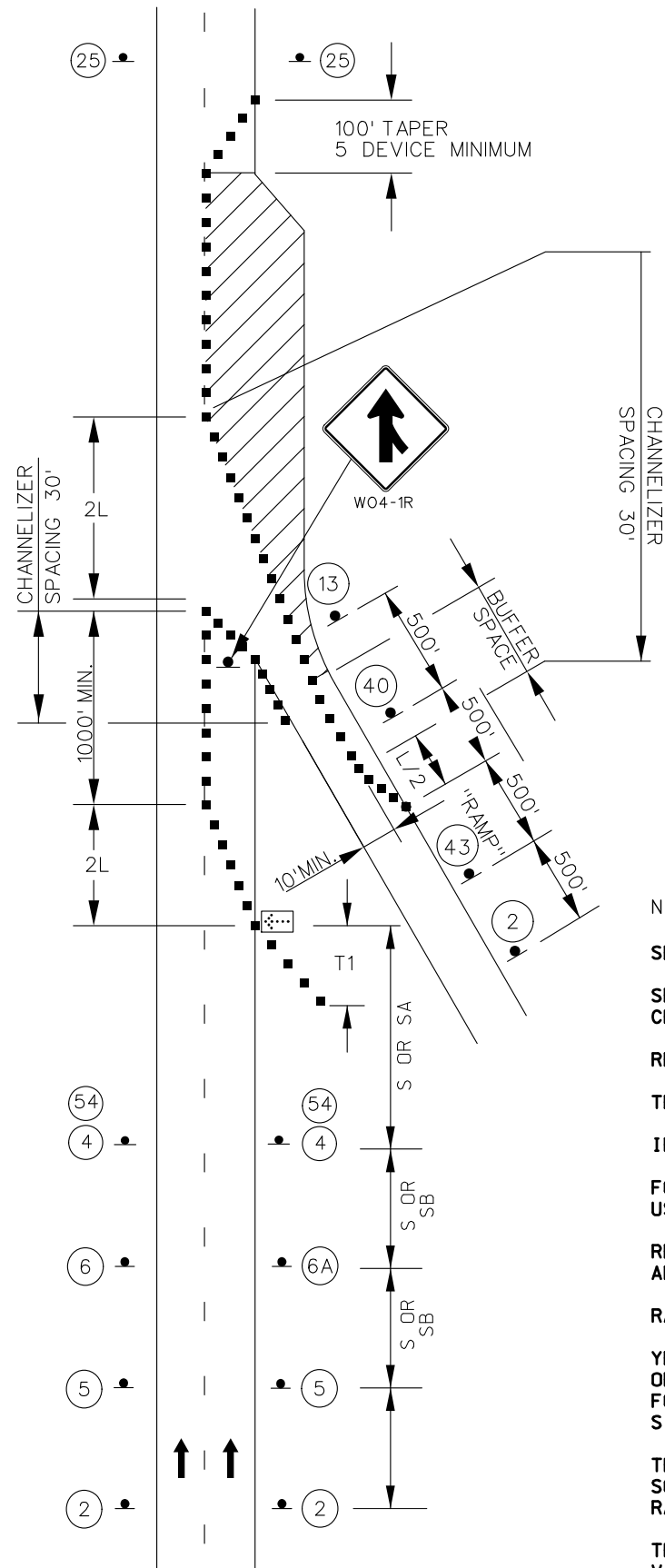
A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE LANE IS CLOSED A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

CENTERLINE AND/OR
LANE LINE STRIPING
ON MULTI-LANE
UNDIVIDED HIGHWAYS
TEMPORARY
TRAFFIC CONTROL
SHEET 4 OF 7





LANE CLOSURE
ENTRANCE RAMP AREAS



NOTES:

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

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

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

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

FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.

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

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

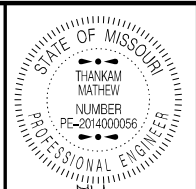
YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).

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

THE YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

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

WORK IN VICINITY
OF ENTRANCE RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 5 OF 7



01/25/2024 4:10:00 PM
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MO-PE-2014000056

DATE PREPARED
1/24/2024

ROUTE 70 STATE MO

DISTRICT KC SHEET NO. 8

COUNTY SALINE

JOB NO. J413366B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

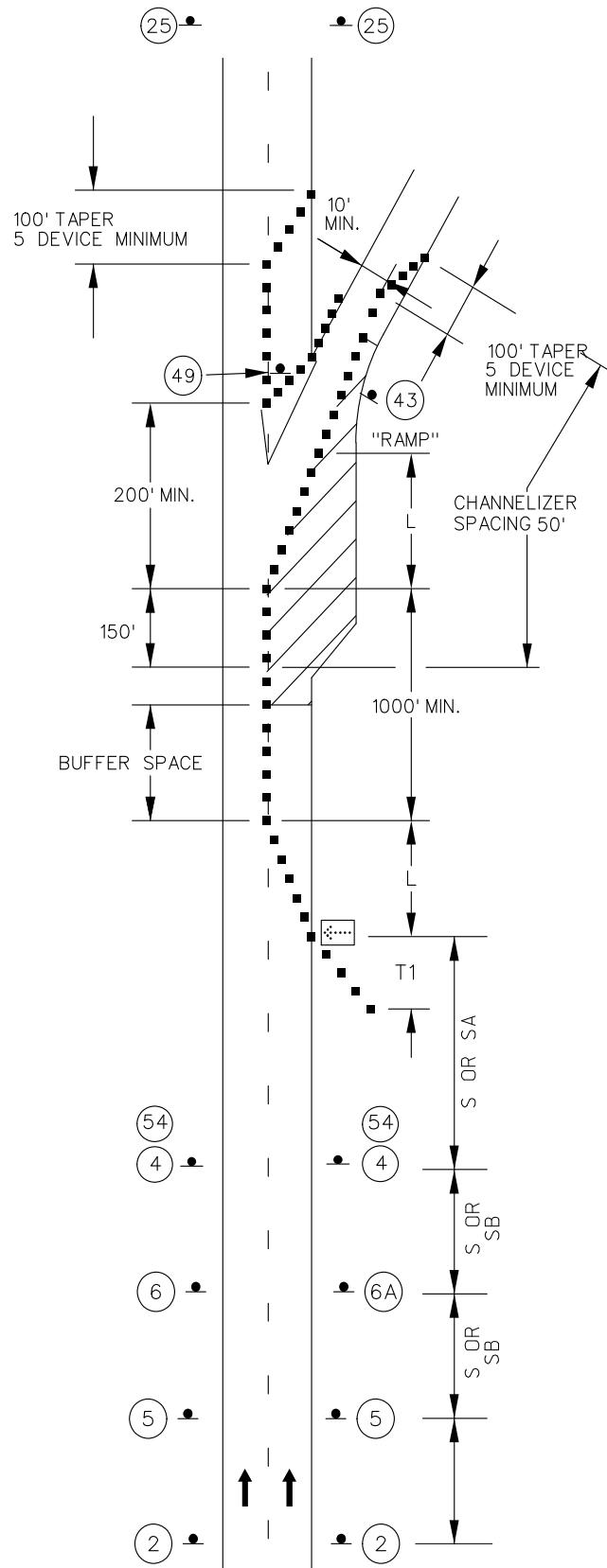
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

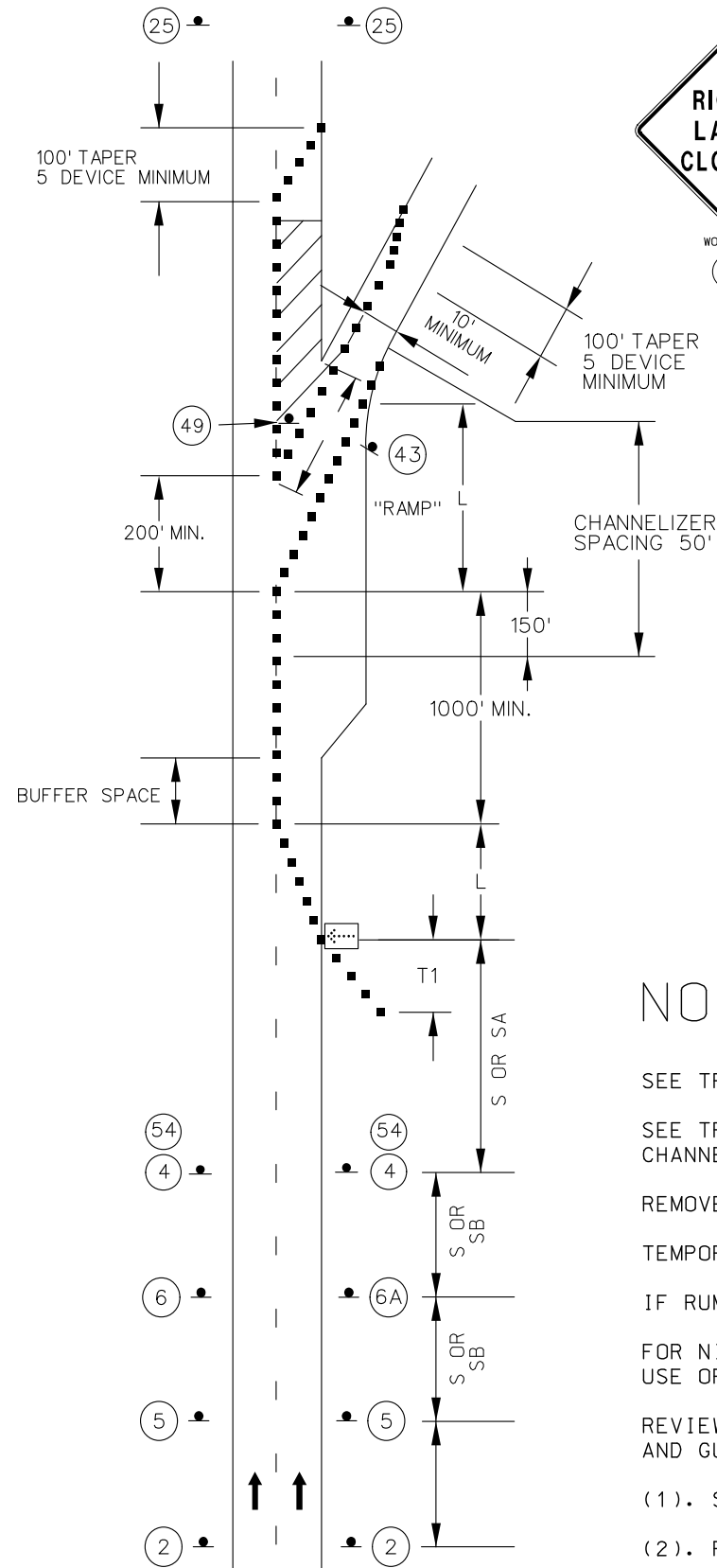
JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

MODOT



WORK IN THE VICINITY
OF A EXIT RAMP AREAS



W020-6a
6

CENTER
OR
LEFT



W020-1
2

BRIDGE
OR
RAMP

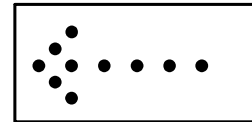


W020-5
5

CENTER LANE
OR
LEFT LANE



G020-5aP
54



FLASHING
ARROW PANEL



CHANNELIZERS



W05-1
43

BRIDGE
OR
RAMP



E05-1
49



W04-1a
6A



R2-1
4



R2-1
NORMAL SPEED
25

NOTES:

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

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

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

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

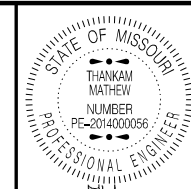
FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.

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

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

(2). FIVE CHANNELIZER DEVICE MINIMUM.

WORK IN VICINITY
OF EXIT RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 6 OF 8



01/25/2024 4:10:32 PM
THANKAM MATHIEW - CIVIL
MO-PE-2014000056

DATE PREPARED
1/24/2024

ROUTE 70 STATE MO

DISTRICT KC SHEET NO. 9

COUNTY SALINE

JOB NO. J413366B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.