DESIGN DESIGNATION

A.A.D.T - NOR 44 (1) = 5000V = 45 M.P.H

A.A.D.T - SOR 44 = 1748V = 45 M.P.H.

A.A.D.T - RUDDER RD = 9726V = 30 M.P.H.

A.A.D.T - MO 47 = 14431V = 45 M.P.H.

A.A.D.T - I-255 = 102692V = 60 M.P.H.

A.A.D.T - I-55 = 153270V = 60 M.P.H.

A.A.D.T - MO 340 = 42422V = 40 M.P.H.

A.A.D.T - NOR 44 (2) = 6991V = 40 M.P.H

A.A.D.T - MO 100 EB = 7602V = 55 M.P.H.

NO NEW RIGHT OF WAY WILL BE REQUIRED FOR THIS PROJECT

## CONVENTIONAL SYMBOLS (USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER	00000	•••••
LOCATION SURVEY MARKER	Ŏ	$\circ$
UTILITIES FIBER OPTICS OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER GAS WATER	- FO- 	—FO— ——————————————————————————————————
MANHOLE	SAN HYD	€
FIRE HYDRANT	W.C	ĵ
WATER VALVE	₩ <sup>V</sup> _C	)
WATER METER	<b>"</b> "	)
DROP INLET	Ï	
DITCH BLOCK	=	<b>=</b>
GROUND MOUNTED SIGN	S I GN	-
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	——— V	· ·
BENCHMARK	ВМ≪	

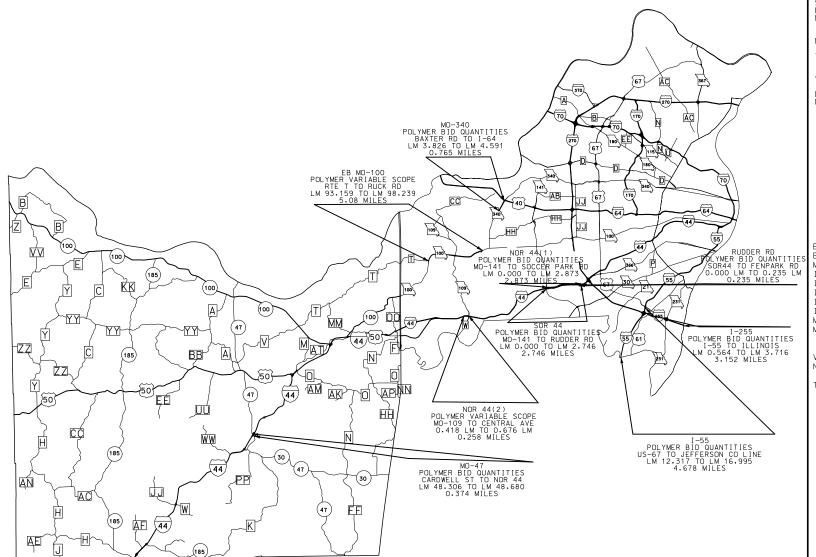
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

# PLANS FOR PROPOSED STATE HIGHWAY

FRANKLIN & ST. LOUIS COUNTIES PAVEMENT IMPROVEMENTS



DISCLAIMER THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 ASMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

# INDEX OF SHEETS

DESCRIPTION	NUMBER
TITLE SHEET	1
QUANTITIES (QU) (2 SHEETS)	3
TRAFFIC CONTROL SHEETS (TC)	4-13
	TITLE SHEET

LENGTH	OF	PROJECT
APPARENT LENGTH		

NOR-44 (7 SOR-44 RUDDER RE MO-47 I-255 I-55 MO-340		2.873 2.746 0.235 0.374 3.152 4.678 0.765
TOTAL = 1	14.823 MILES	

VARIABLE SCOPE

EXCEPTIONS	
BID QUANTITIES	
MO-47 EXCLUDE BRIDGE A4313	198.1 F
I-255 EXCLUDE BRIDGE A2590	189.9 F
I-255 EXCLUDE BRIDGE A2590	189.9 F
I-55 EXCLUDE BRIDGE A0609	1424.5 F
I-55 EXCLUDE BRIDGE A5565	269.9 F
I-55 EXCLUDE BRIDGE A5564	269.9 F
MO-340 EXCLUDE BRIDGE A4658	172.9 F
MO-340 EXCLUDE BRIDGE A4659	172.9 F

VARIABLE SCOPE NO EXCEPTIONS TOTAL CORRECTIONS

2888.0 FT

0.0 FT

0.0 ACRES

ANASTASIA M. SMITH

NUMBER PE-2014017016

SONAL E

11/25/2024

FRANKLIN

ST. LOUIS

JSL0206

CONTRACT ID

PROJECT NO.

BRIDGE NO.

MO

SHEET NO

1

VAR

SL

SHEET TITLE

NET LENGTH OF PROJECT 75,377.44 FEET STATE LENGTH 14.276 MILES FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES

			BID (	QUANTITIES PARTIAL DEPTH	POLYMER CONCRETE REPAIR	
LOG MILE	LOG MILE	ROADWAY	HOT POLYMER PATCHING (SY)	HOT POLYMER CONC. PATCHING (CF)	REMOVAL, FURNISHING AND PLACING HOT POLYMER CONCRETE PATCHING MATERIAL FOR CLASS A PARTIAL DEPTH REPAIR (LBS)	REMARKS
0.000	2.873	I-44 N OUTER ROAD	323.64	728.2	83743.00	FROM MO-141 TO SOCCER PARK RD
0.000	2.746	I-44 S OUTER ROAD	309.33	696.0	80040.00	FROM MO-141 TO RUDDER RD
0.000	0.235	RUDDER RD	26.47	59.6	6854.00	I-44 S OUTER ROAD TO FENPARK RD
48.306	48.680	MO-47	332.78	748.8	86112.00	FROM CARDWELL ST TO NOR 44
0.564	3.716	I - 255	345.78	778.0	89470.00	FROM I-55 TO ILLINOIS STATE LINE
12.317	16.995	I - 55	241.33	543.0	62445.00	FROM US-67 TO JEFFERSON CO LINE
3.826	4.591	MO-340	117.78	265.0	30475.00	FROM BAXTER RD TO I-64
		· · · · · · · · · · · · · · · · · · ·		TOTALS	439139.00	
				PAY TOTALS	439139.00	

- \* ALL QUANTITIES ARE AN ESTIMATE AND MAY VARY. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
- \* TYPICAL 3 INCH DEPTH USED. USE 115 LBS/CF
- \* THE CONTRACTOR SHALL NOT MAKE REPAIRS WITHIN DETECTOR LOOPS WITHOUT PERMISSION OF THE ENGINEER
- \* REPAIRS MAY BE A MINIMUM OF 6 WIDE AT DISCRETION OF THE ENGINEER

	VARIABLE SCOPE PARTIAL DEPTH POLYMER CONCRETE REPAIR							
LOG MILE	LOG MILE	ROADWAY	HOT POLYMER PATCHING (SY)	HOT POLYMER CONC. PATCHING (CF)	REMOVAL, FURNISHING AND PLACING HOT POLYMER CONCRETE PATCHING MATERIAL FOR CLASS A PARTIAL DEPTH REPAIR (LBS)	REMARKS		
0.418	0.676	NOR44	230.22	518.0	59570.00	FROM MO-109 TO CENTRAL AVE		
93.159	98.239	EB MO-100	189.11	425.5	48932.50	FROM RTE T TO RUCK RD		

- \* ALL QUANTITIES ARE AN ESTIMATE AND MAY VARY. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
- \* TYPICAL 3 INCH DEPTH USED. USE 115 LBS/CF
- \* THE CONTRACTOR SHALL NOT MAKE REPAIRS WITHIN DETECTOR LOOPS WITHOUT PERMISSION OF THE ENGINEER
- \* REPAIRS MAY BE A MINIMUM OF 6  $^{\bullet}$  WIDE AT DISCRETION OF THE ENGINEER

BID QUANTITIES LOOP DETECTOR						
		6' x 30'	6' x 15'	6' x 6'		
		LOOP DETECTOR	LOOP DETECTOR	LOOP DETECTOR		
LOCATION	ROADWAY	(EA)	(EA)	(EA)		
VARIOUS	VAR I OUS	3.00	3.00	3.00		
	TOTALS	3.00	3.00	3.00		
	PAY TOTALS	3	3	3		

LOCATIONS TO BE DETERMINED BY THE ENGINEER AND MAY BE PLACED ON ANY ROUTE

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MOBILIZATION - TOTAL = 1.0 LUMP SUM



DATE PREPARED

11/25/2024

ROUTE STATE

VAR MO

DISTRICT SHEET NO.

SL 3

FRANKLIN ST. LOUIS

JSL0206

PROJECT NO.

BRIDGE NO.

DESCRIPTION			
DATE			

COMMISSION
COMMISSION

105 WEST CAPITOL
LIFEEBRON CITY MO 65102

SUMMARY OF QUANTITIES SHEET 1 OF 2

1		TOTAL QTY TOTA	LSIGN					QTY  TOTAL S	I GN				
	SIZE AREA QTY	AREA RELOCRELO	C NUM.		SIZE ARE	A QTY T	TOTALR	ELOC RELOC  N	IUM.				
SIGN	IN. SQ.FT EACH	SQ.FT. EACH SQ.FT	·.		SIGN IN SQ.F	T EACH S	Q.FT.	EACH SQ.FT.			ITEM	TOTAL	-
	WAR	NING SIGNS		DESCRIPTION		GUIDE	SIGN	5		DESCRIPTION	NUMBER	QTY	DESCRIPTION
	48X48 16.00			TURN (SYMBOL LEFT ARROW)	E05-1 36X48 12.0		12			GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
	48X48 16.00			TURN (SYMBOL RIGHT ARROW)	E05-2 48X36 12.0					EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
	48X48   16.00   48X48   16.00			CURVE (SYMBOL LEFT ARROW)  CURVE (SYMBOL RIGHT ARROW)	E05-2a 48X36 12.0 GO20-1 60X24 10.0					EXIT CLOSED  ROAD WORK NEXT XX MILES	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)  IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
	48X48 16.00			REVERSE TURN (SYMBOL LEFT ARROW)	GO20-1 00X24 10.0					END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
	48X48 16.00			REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-4 36X18 4.5					PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-4L 4	48X48 16.00			REVERSE CURVE (SYMBOL LEFT ARROW)	GO20-4a 42X30 8.7	5				PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
	48X48 16.00			REVERSE CURVE (SYMBOL RIGHT ARROW)	GO20-4a 18X12 1.5					PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
	48X48 16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	GO20-5aP 36X24 6.0		36			WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
	48X48   16.00   48X48   16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS) TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-8a 24X18 3.0 MO4-9L 48X36 12.0					END DETOUR DETOUR (LEFT ARROW)	6123000A	1 *	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA) ADVANCED WARNING RAIL SYSTEM
	48X48 16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL ET ARROWS)	MO4-9L 48X36 12.0					DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)
	60X30 12.50			HORIZONTAL ARROW (SYMBOL)	MO4-9P 48X12 4.0					STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
	72X36 18.00			HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L 48X18 6.0					DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
WO1-7	60X30 12.50			DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R 48X18 6.0	0				DETOUR (ARROW RIGHT)	6161025	250	CHANNELIZER (TRIM LINE)
	72X36 18.00			DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)			ATORY	SIGNS			6161030		TYPE III MOVEABLE BARRICADE
	18X24 3.00			CHEVRON (SYMBOL)	R1-1 48X48 13.2		12.06			STOP	6161033		DIRECTION INDICATOR BARRICADE
	30X36 7.50 48X48 16.00			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS) STOP AHEAD (SYMBOL)	R1-2 48TRI 6.9 R1-2a 36X36 9.0		13.86		_	YIELD TO ONCOMING TRAFFIC (PLAQUE)	6161040 6161047	4	FLASHING ARROW PANEL TYPE III OBJECT MARKER
	48X48 16.00 2	32		YIELD AHEAD (SYMBOL)	R1 - 3P 30X12 2.5					ALL WAY (PLAQUE)	6161047		SEQUENTIAL FLASHING WARNING LIGHT
	48X48 16.00	<del>                                    </del>		SIGNAL AHEAD (SYMBOL)	R2-1 36X48 12 0		360			SPEED LIMIT ***	6161070		TUBULAR MARKER
	48X48 16.00 2	32		BE PREPARED TO STOP	R3-1 48X48 16.0					NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
	48X48 16.00			SPEED LIMIT AHEAD	R3-2 48X48 16.0					NO LEFT TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN,
	48X48 16.00	22		MERGE (SYMBOL FROM LEFT)	R3-3 36X36 9.0					NO TURNS	6161096		COMMISSION FURNISHED/RETAINED
	48X48 16.00 2 48X48 16.00 4	32 64		MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.0 R3-7L 30X30 6.2		12 5			NO U-TURN (SYMBOL) LEFT LANE MUST TURN LEFT	6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
	48X48 16.00 4 48X48 16.00 4	64		MERGE (ARROW SYMBOL) LEFT MERGE (ARROW SYMBOL) RIGHT	R3-7L 30X30 6.2		12.3			RIGHT LANE MUST TURN RIGHT	01010984	1	CHANGEABLE MESSAGE SIGN WITH COMM.
	48X48 16.00 2	32		ROAD/BRIDGE/RAMP NARROWS	R4-1 36X48 12.0					DO NOT PASS	6161099	8 *	INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO5-3 4	48X48 16.00			ONE LANE BRIDGE	R4-2 36X48 12.0					PASS WITH CARE	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5 - 5	48X48 16.00			NARROW LANES	R4-8a 36X48 12.0	00				KEEP LEFT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
	48X48 16.00			DIVIDED HIGHWAY (SYMBOL)	R4-7a 36X48 12.0					KEEP RIGHT (HORIZONTAL ARROW)			TEMPORARY TRAFFIC BARRIER
-	48X48 16.00			DIVIDED HIGHWAY END (SYMBOL)	R5-1 30X30 6.2					DO NOT ENTER	61736000	1	CONTRACTOR FURNISHED/RETAINED
	48X48   16.00   30X24   5.00			TWO WAY TRAFFIC (SYMBOL) NEXT XX MILES (PLAQUE)	R5-1a 36X24 6.0 R6-1L 54X18 6.7				_	WRONG WAY ONE WAY ARROW (LEFT)	6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
-	48X48 16.00			BUMP	R6-1R 54X18 6.7				_	ONE WAY ARROW (RIGHT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
-	48X48 16.00			DIP	R6-2L 24X30 5.0					ONE WAY (LEFT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-3 4	48X48 16.00			PAVEMENT ENDS	R6-2R 24X30 5.0	0				ONE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER
	48X48 16.00			SOFT SHOULDER	R9-9 24X12 2.0	0			_	SIDEWALK CLOSED	6176000E		COMMISSION FURNISHED/RETAINED
	48X48 16.00			SLIPPERY WHEN WET (SYMBOL)						SIDEWALK CLOSED AHEAD,	61770005		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
-	48X48   16.00   48X48   16.00			TRUCK CROSSING (WITH FLAGS) TRUCK ENTRANCE	R9-11L 24X18 3.0	0				(ARROW LEFT) CROSS HERE SIDEWALK CLOSED AHEAD,	6177000E		COMMISSION FURNISHED/RETAINED TEMPORARY RAISED PAVEMENT MARKER
	36X36 9.00			LOOSE GRAVEL	R9-11R   24X18   3.0	0				(ARROW RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS
	36X36 9.00			FRESH OIL/LOOSE GRAVEL	R10-6 24X36 6.0					STOP HERE ON RED (45^ ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
WO8-9 4	48X48 16.00			LOW SHOULDER	R11-2 48X30 10.0	00				ROAD CLOSED			
	48X48 16.00			UNEVEN LANES						ROAD CLOSED XX MILES AHEAD			
	48X48 16.00			NO CENTER LINE	R11-3a 60X30 12.5					LOCAL TRAFFIC ONLY			
	48X48 16.00 30X24 5.00			GROOVED PAVEMENT MOTORCYCLE (PLAQUE)	R11-4 60X30 12.5					ROAD CLOSED TO THRU TRAFFIC FINE SIGN			
	48X48 16.00			SHOULDER DROP-OFF (SYMBOL)	CONST - 3X 56X12 4 .6					SPEEDING/PASSING (PLATE)			
	30X24 5.00			SHOULDER DROP-OFF (PLAQUE)			LLANE	OUS SIGNS	I_		1	1	DISCLAIMER
W10-1 4	12RND. 9.62			RAILROAD CROSSING	CONST-5 48X36 12.0	00				POINT OF PRESENCE	THE F	PROFES	SSIONAL WHOSE SIGNATURE AND PERSONAL
	24X24 4.00			DOUBLE DOWN ARROW (SYMBOL)	CONST-5 96X48 32.0					POINT OF PRESENCE			AR HEREON ASSUMES RESPONSIBILITY
	48X48 16.00			LOW CLEARANCE (SYMBOL)	CONST 7 48X24 8.0					RATE OUR WORK ZONE			/HAT APPEARS ON THIS PAGE, AND
	24X18 3.00 84X24 14.00			LOW CLEARANCE (PLAQUE) OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-7 72X36 18.0					RATE OUR WORK ZONE WORK ZONE NO PHONE ZONE			(PURSUANT TO SECTION 327.411 ASMO) TION. ESTIMATES, REPORTS. OR OTHER
	20X60 50.00			LOW CLEARANCE XX FT XX IN XX MILES AHEAD	GONS1-0 40A30 12.0				+	HOME ZONE NO FROME ZONE			OR INSTRUMENTS NOT SEALED BY THE
	20X60 50.00			WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	1								D PROFESSIONAL RELATING TO OR
WO13-1 3	30X30 6.25 2	12.5		ADVISORY SPEED (PLAQUE)									O BE USED FOR ANY PART OR PARTS OF
	30X24 5.00			XXX FEET (PLAQUE)									CT TO WHICH THIS PAGE REFERS.
	30X24 5.00	100		X MILE (PLAQUE)									
	48X48 16.00 8 48X48 16.00	128		ROAD/BRIDGE/RAMP WORK AHEAD DETOUR AHEAD							\I/	I T [ ]	A NOT INCLUDED IN LUMP CUM
	48X48 16.00 48X48 16.00			ROAD CLOSED AHEAD	1				-				M NOT INCLUDED IN LUMP SUM ARY TRAFFIC CONTROL
	48X48 16.00 2	32		ONE LANE ROAD AHEAD	616-10.05	<del>'</del>   <sub>T</sub>	OTAL				1 L	_1111 011/	THAT IS SONTHOL
	48X48 16.00 8	128		RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTRUCTION S								
	48X48 16.00 4	64		2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10			TOTAL					DIRECT PAY WILL BE MADE FOR
	48X48 16.00 8	128		RIGHT/CENTER/LEFT LANE CLOSED	RELOCATED SIGN	S		**			RE	ELOCA	ING SIGNS
	48X48 16.00 2	32		FLAGGER (SYMBOL, WITH FLAGS)	-						NA.		TEMPLE O FOMBLE O 45MBLE
	36X36 9.00 48X48 16.00			FRESH OIL SHOULDER WORK AHEAD						GENERAL NOTES:			55MPH, 8-50MPH, 2-45MPH, PH, 10-35MPH, 2-20MPH
	48X48 16.00 48X48 16.00			BLASTING ZONE AHEAD	NOTE:					OLINLINAL NUTES.	2	ı ¬ OIVIF	TITE TO SUMITIFE & ZUMITI
	42X36 10.50			TURN OFF 2-WAY RADIO AND PHONE	DELLU TU CT	יאטאטט י	ם אגו כ	16 10 AND 0	י בטנ	OZ EOD - SIGN AND DEVIC	E LOCA	rions	SHALL BE FIELD
				END BLASTING ZONE	REFER TO STA					VERIFIED AND APPR			
WO22-3 4	72X30 10.30					214 IVIUUIN			<i>,</i> •				
WO22-3	21X15 2.19			WET PAINT (ARROW PIVOTS)									NED BY THE ENGINEER.

ANASTASIA M.
NUMBER
PE-2014017016

THIS SHEET HAS BEEN
SISHED SAAED AND DATED
EECTROMOCALY.

DATE PREPARED

11/25/2024

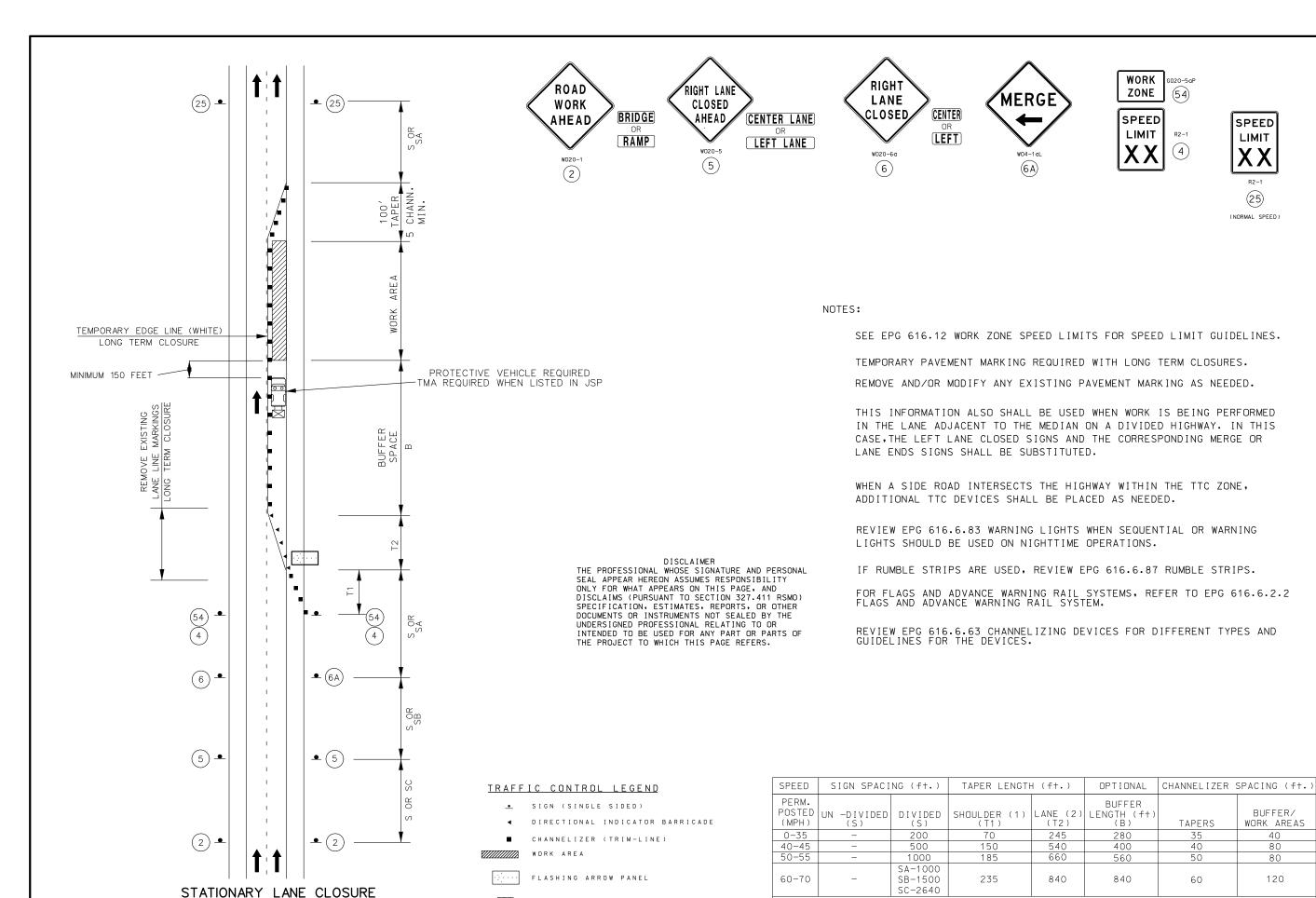
ROUTE
VAR
MO
DISTRICT
SHEET NO.
SL
3

EFFECTIVE: 04-01-2023

FRANKLIN ST. LOUIS JOB NO. JSL0206 CONTRACT ID.

PROJECT NO.

SUMMARY OF QUANTITIES SHEET 2 OF 2



ADVANCE WARNING RAILS

ON A DIVIDED HIGHWAY

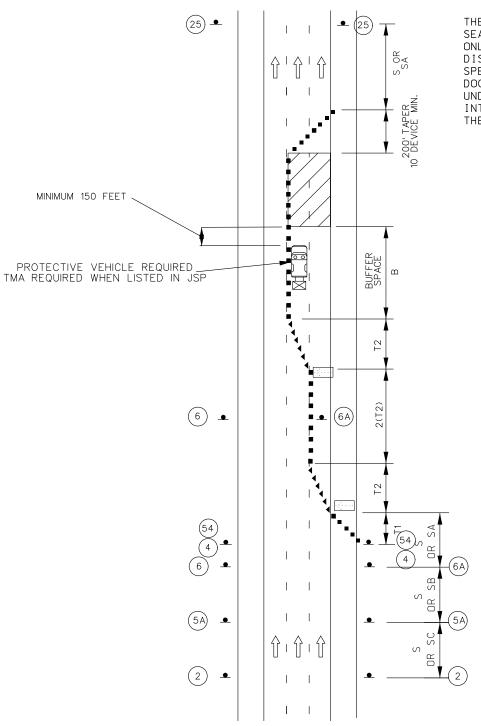
NOT TO SCALE

ANASTASIA M. SMITH NUMBER PE-2014017016 1,500NAL E 11/25/2024 VAR MO SHEET NO SL 4 FRANKLIN ST. LOUIS JSL0206 CONTRACT ID. PROJECT NO. BRIDGE NO.

AFFIC CONTROL SHEET
FIONARY LANE CLOSURE
A DIVIDED HIGHWAY
SHEET 1 OF 10

TRAF STATI ON ,

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.



DOUBLE LANE CLOSURE

ON A DIVIDED HIGHWAY

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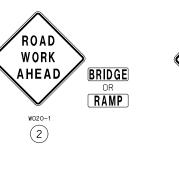


(6A)

### TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◀ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA

FLASHING ARROW PANEL











NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

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

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

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

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

SPEED	SIGN SPACI	NG (ft.)	TAPER LENGTH	(f+.)	OPTIONAL	CHANNEL I ZER	SPACING (ft.)
PERM. POSTED (MPH)	UN -DIVIDED	DIVIDED (S)	SHOULDER (1)	LANE (2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	_	500	150	540	400	40	80
50-55	_	1000	185	660	560	50	80
60-70	_	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

NOT TO SCALE

ANSTASA M.
SMITH
NUMBER
PE-2014017016
PRE-2014017016
THS SHEET HAS BEEN
SIONED, SEALED AND DATED
ELECTROPALLY.

ELECTRONICALLY,						
DATE P	REPARED					
11/25/2024						
ROUTE	STATE					
VAR	MO					
DISTRICT	SHEET NO.					
SL	5					
COUNTY FRANKLIN ST. LOUIS						
JOB NO.						
JSL0206						
CONTRACT ID.						

PROJECT NO.

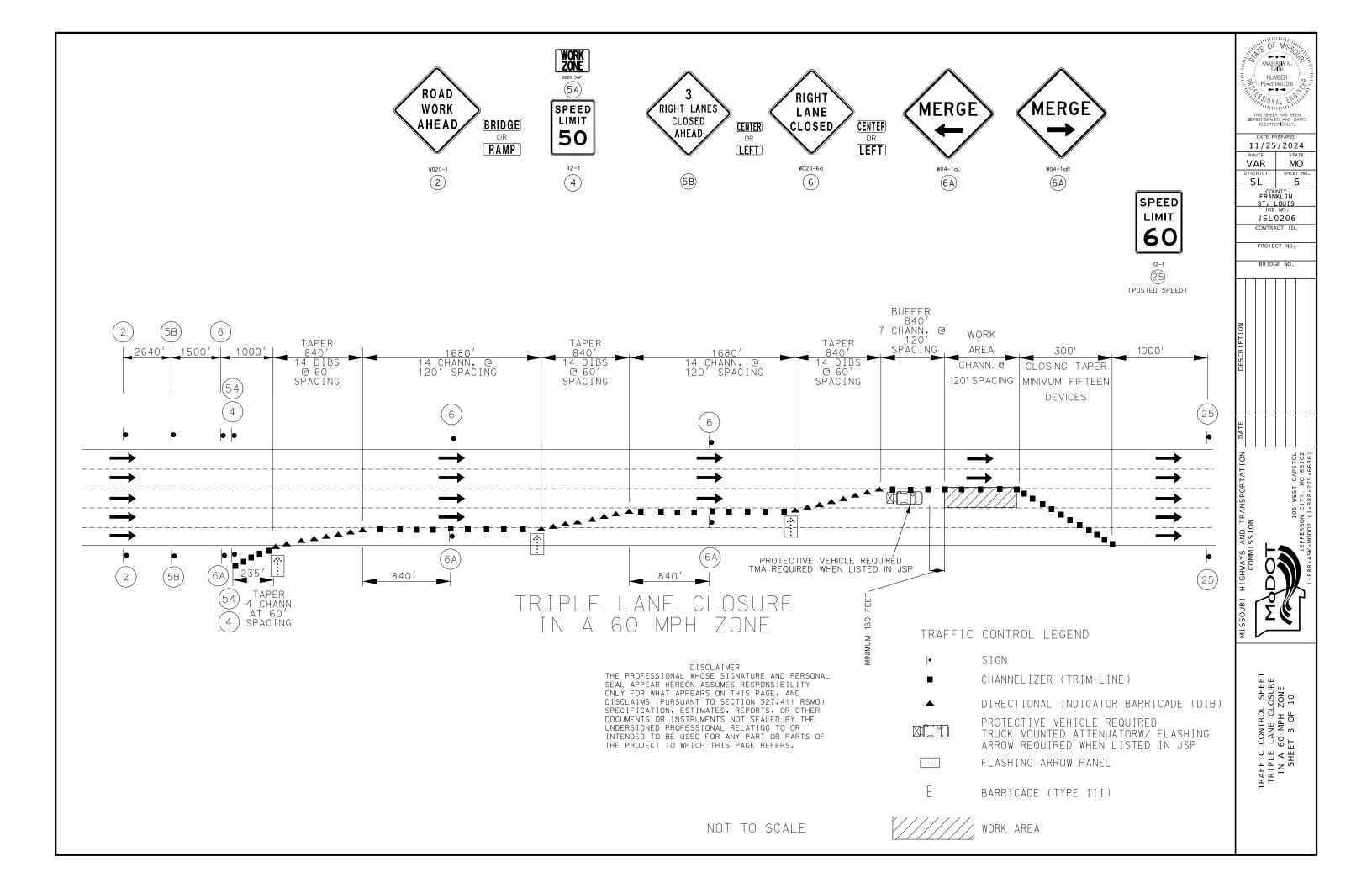
BRIDGE NO.

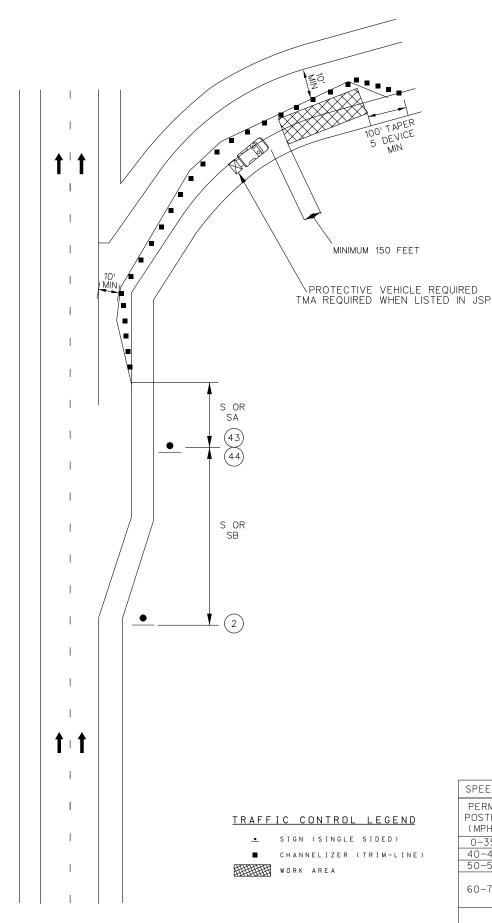


GHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
LEFERSON CITY MO 65.02

RAFFIC CONTROL SHEET DOUBLE LANE CLOSURE SHEET 2 OF 10









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#### NOTES:

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

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

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

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

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

SPEED	SIGN SPACI	NG (ft.)	TAPER LENGTH	H (ft.)	OPTIONAL	CHANNEL I ZER	SPACING (ft.)
PERM. POSTED (MPH)	UN -DIVIDED	DIVIDED (S)	SHOULDER (1)	LANE (2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	_	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	_	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

ANASTASIA M. SMITH NUMBER PE-2014017016 PE-201.

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DATE PREPARED						
11/25/2024						
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VAR	MO					

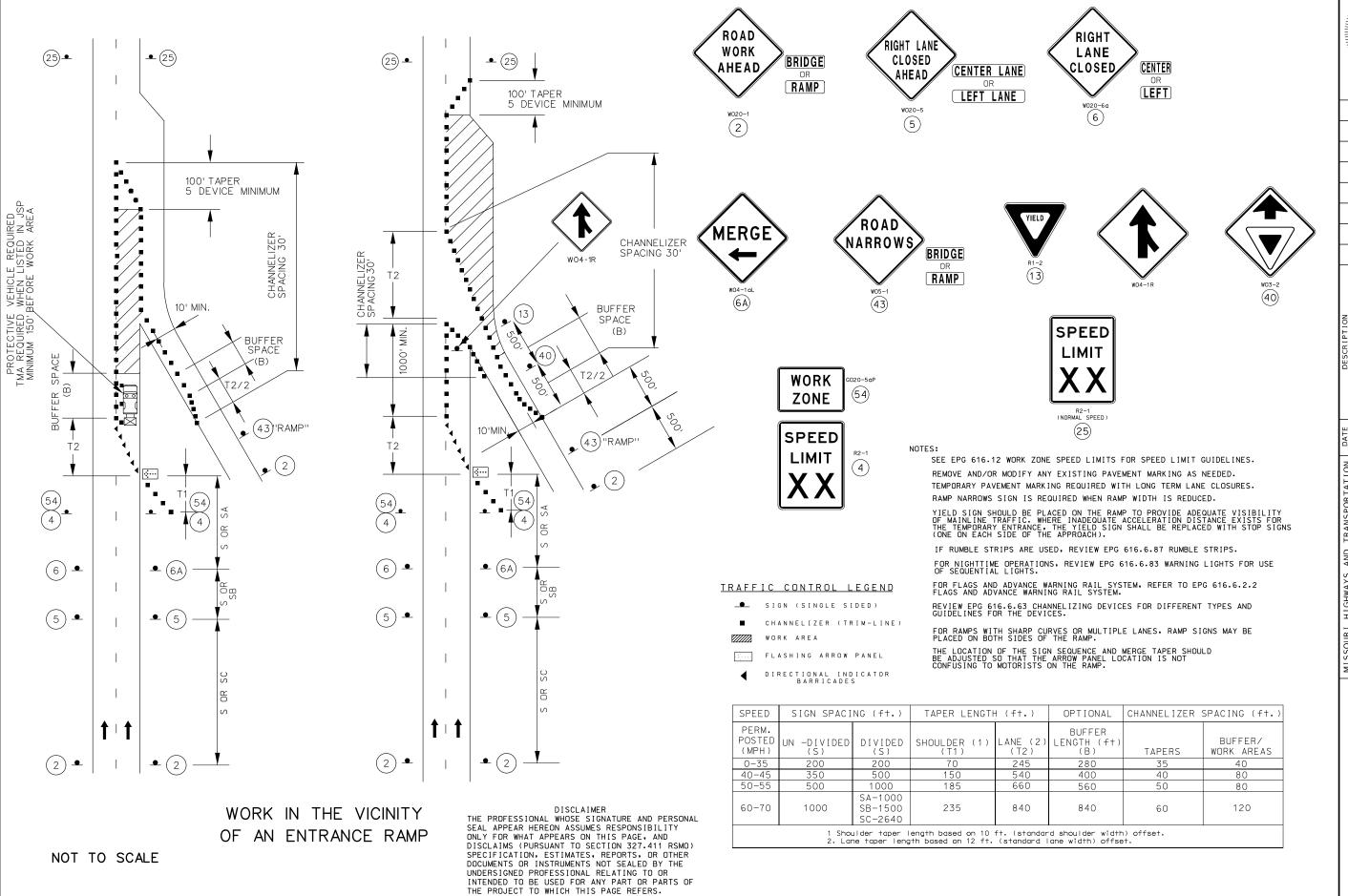
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JSL0206 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

SHEET CLOSURE 10 TRAFFIC CONTROL S
PARTIAL EXIT RAMP (
SHEET 4 OF 10



ANASTASIA M.
SMITH
NUMBER
PE-2014017016

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DATE PREPARED

11/25/2024

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DISTRICT SHEET NO.

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COUNTY FRANKLIN ST. LOUIS JOB NO. JSL0206

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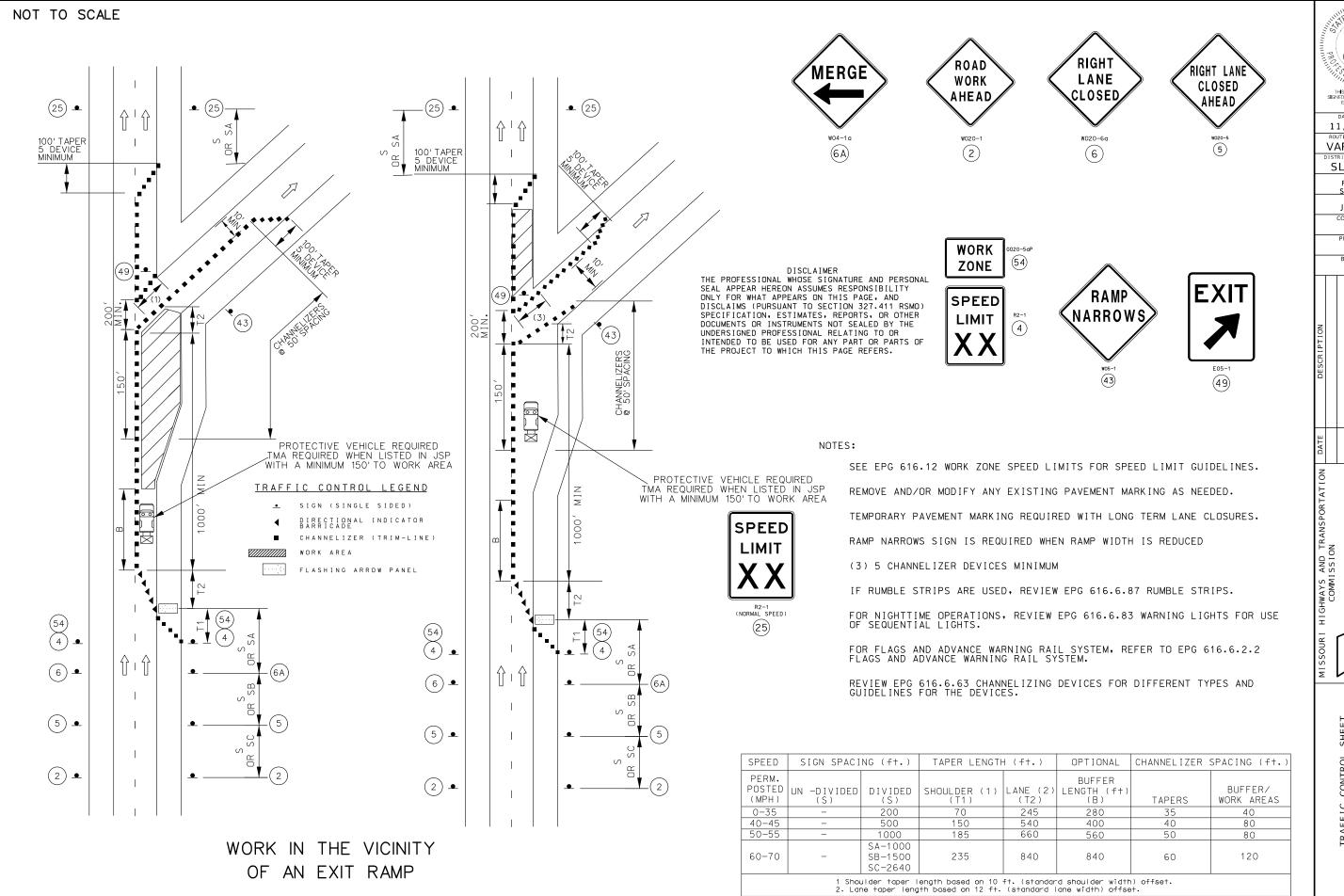
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COMMISSION

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COMMISS:

TRAFFIC CONTROL SHEET WORK IN THE VICINITY OF AN EXIT RAMP SHEET 5 OF 10



ANASTASIA M.

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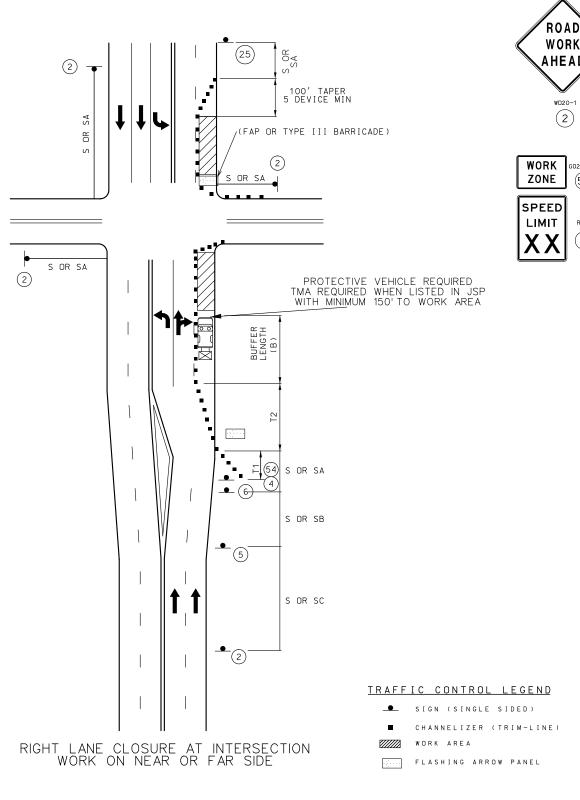
DATE DESCRIPTION

COMMISSION
COMMISSION

DOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

TRAFFIC CONTROL SHEET WORK IN THE VICINITY OF AN EXIT RAMP SHEET 6 OF 10









ZONE 54

PEED R2-1

SPEED LIMIT X X



(NORMAL SPEED)

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### NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

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

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

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

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

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

SPEED	SIGN SPACI	NG (ft.)	TAPER LENGTH	H (ft.)	OPTIONAL	CHANNELIZER	SPACING (ft.)
PERM. POSTED (MPH)	UN -DIVIDED	DIVIDED (S)	SHOULDER (1)	LANE (2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

<sup>1</sup> Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

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NUMBER
PE-2014017016

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11/25/2024

ROUTE STATE

VAR MO

DISTRICT SHEET NO.

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CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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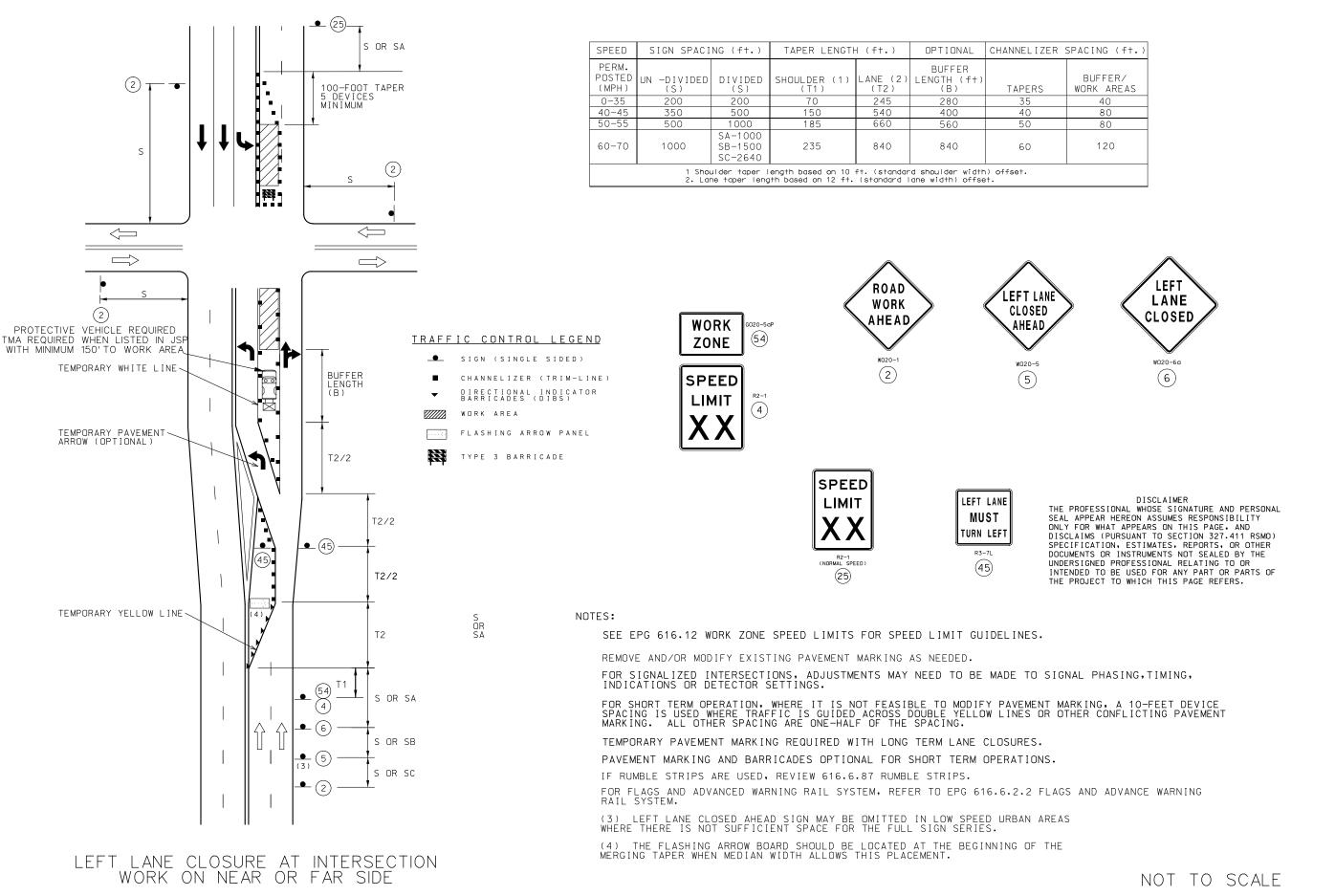
SOURI HIGHWAYS AND TRANSPORTATIC
COMMISSION

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105 WEST CAPITA

LEFFERSON CITY, MO 651.

TRAFFIC CONTROL SHEET RIGHT LANE OF INTERSECTION SHEET 7 OF 10



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ST. LOUIS

JOB NO.

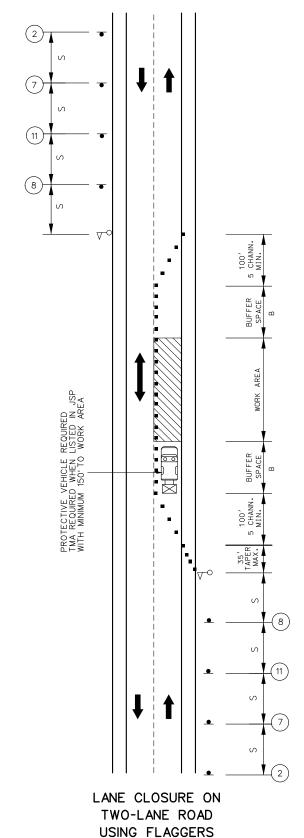
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CONTRACT ID.

PROJECT NO.

BRIDGE NO.

AFFIC CONTROL SHEET LANE OF INTERSECTION SHEET 8 OF 10





(2)





(7)



8



WO3-4 (11)

WORK ZONE

G020-5aP

SPEED LIMIT R2-1 (4)

25) NORMAL

**SPEED** 

LIMIT

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

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES

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

LANES WILL BE A MINIMUM OF 10'.

SIGN SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS UPON APPROVAL FROM THE ENGINEER.

ANY EXISTING SIGNS THAT CONFLICT WITH TRAFFIC CONTROL WILL BE COVERED OR REMOVED.

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SPEED	SIGN SPACI	NG (ft.)	TAPER LENGTH	H (ft.)	OPTIONAL	CHANNELIZER	SPACING (ft.)
PERM, POSTED (MPH)	UN -DIVIDED	DIVIDED (S)	SHOULDER (1)	LANE (2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	_	_	-	280	=	40
40-45	350	-	-	-	400	-	80
50-55	500	-	_	-	560	-	80
60-70	1000	_	_	_	840	-	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.							

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

CHANNELIZER (TRIM-LINE) WORK AREA

FLAGGER

NOT TO SCALE

ANASTASIA M. NUMBER PE-2014017016 THE SOUNAL EN

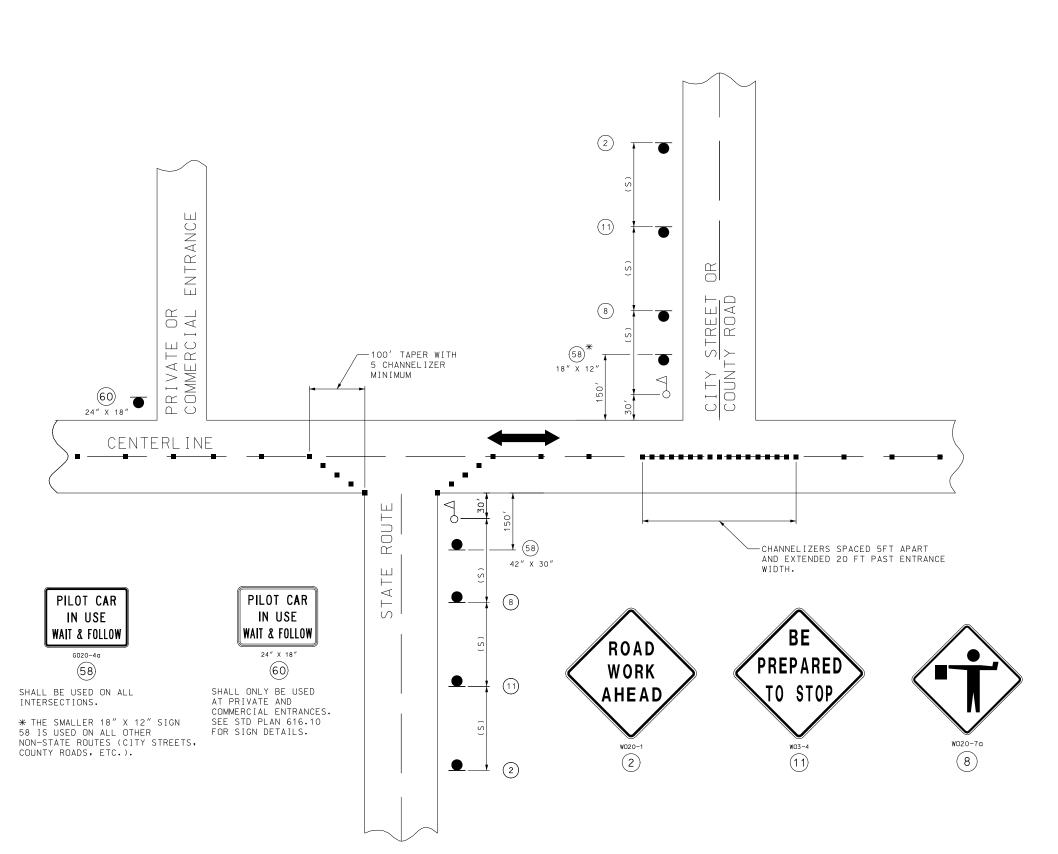
11/25/2024 VAR MO SL 12 COUNTY FRANKLIN

JSL0206 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

SHEET 10 TRAFFIC CONTROL FLAGGING SHEET 9 OF 1



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

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

NOTES

WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

- CHANNELIZERS (AS SPECIFIED)

- FLAGGER

NOT TO SCALE

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ANSTASA M.
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FRANKLIN
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JSL0206
CONTRACT ID.

PROJECT NO.

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COMMISSION
COMMISSION

LODOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

TRAFFIC CONTROL SHEET SIDE STREETS WHILE FLAGGING SHEET 10 OF 10