DESIGN DESIGNATION

US 160

A.A.D.T. - 2023= 1795 T = 15%

V = 55 M.P.H. FUNCTIONAL CLASSIFICATION-MINOR ARTERIAL

I 49 SB

A.A.D.T. - 2023= 12742 V = 70 M.P.H.

FUNCTIONAL CLASSIFICATION-INTERSTATE

US 65 NB

A.A.D.T. - 2023= 30861 T = 17%V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION-FREEWAY

BU 65

A.A.D.T. - 2023= 9270 T = 2%

V = 35 M.P.H.

LOCATION OF DADE, MCDONALD, & TANEY COUNTIES

FUNCTIONAL CLASSIFICATION-MINOR ARTERIAL

BRANSON LANDING BLVD.

A.A.D.T. - 2023= 13497

V = 35 M.P.H. FUNCTIONAL CLASSIFICATION-LOCAL

NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS

(USED IN PLANS) BUILDINGS AND STRUCTURES ニュニコ GUARD RAIL GUARD CARLE 0000 •••• CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER \circ UTILITIES FIBER OPTICS – FO – -F0- OVERHEAD CABLE TV -OTV-UNDERGROUND CABLE TV OVERHEAD TELEPHONE -UTV-- OT--UTV- -OT-UNDERGROUND TELEPHONE -UT--UT - OE -- UE -- S -OVERHEAD POWER -OE-UNDERGROUND POWER —UE— —S— SANITARY SEWER STORM SEWER WATER SAN MANHOLE d. FIRE HYDRANT w 🕒 WATER VALVE ···· WATER METER DROP INLET = DITCH BLOCK GROUND MOUNTED SIGN LIGHT POLE H-FRAME POWER POLE TELEPHONE PEDESTAL Δ FENCE CHAIN LINK WOVEN WIRE GATE POST \boxtimes BENCHMARK

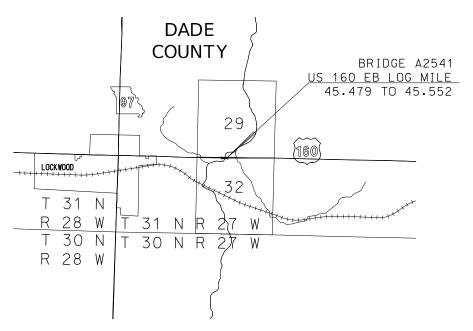
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

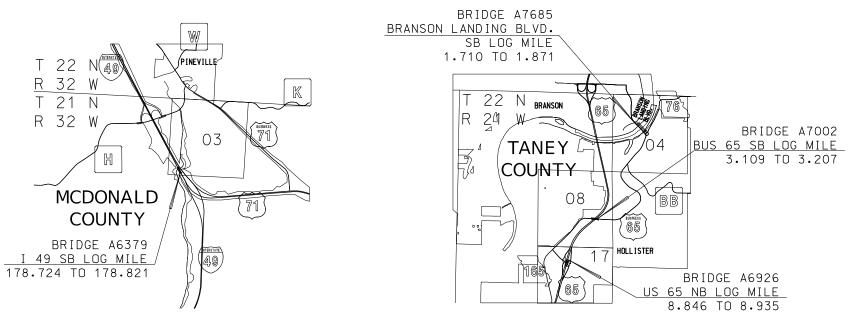
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY DADE, MCDONALD, & TANEY COUNTIES







NOT TO SCALE

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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
QUANTITIES (QU) (3 SHEETS)	3
TRAFFIC CONTROL SHEETS (TC)	4 - 18
BRIDGE DRAWINGS (B)	
A2541	1 - 5
A6379	1
A6926	1
A7002	1
A7685	1

HICH NUM PE-2021 PE-2021 PE-307 Rate J.	BER 3037997 22 2 AL ENGLINE CHANT-CIVIL 23037997
•	/2024
ROUTE	STATE
VAR	MO
VAN	110
DISTRICT	SHEET NO.
DISTRICT	SHEET NO.
DISTRICT	SHEET NO.
DISTRICT SW COU	SHEET NO. 1 NTY I OUS
DISTRICT SW COU	SHEET NO. 1
DISTRICT SW COU VAR I JOB J SR(SHEET NO. 1 NTY LOUS NO. 0053
DISTRICT SW COU VAR I JOB J SR(SHEET NO. 1 NTY I OUS NO.
DISTRICT SW COU VAR I JOB J SR(SHEET NO. 1 NTY LOUS NO. 0053
DISTRICT SW COU VAR I JOB J SR (CONTRA	SHEET NO. 1 NTY LOUS NO. 0053
DISTRICT SW COU VAR JOB J SR(CONTRA	SHEET NO. 1 NTY I OUS NO. 0053 CT ID.
DISTRICT SW COU VAR JOB J SR(CONTRA	SHEET NO. 1 NTY I OUS NO. 0053 CCT ID.

LENGTH OF PROJECT US 160 EB

BEGINNING OF PROJECT LOG MILE 45.479 END OF PROJECT LOG MILE 45.552 APPARENT LENGTH 385.44 FEET

I-49 SB

BEGINNING OF PROJECT LOG MILE 178.724 END OF PROJECT LOG MILE 178.821 APPARENT LENGTH 512.16 FEET

US 65 NB

BEGINNING OF PROJECT LOG MILE 8.846 END OF PROJECT LOG MILE 8.935 APPARENT LENGTH 469.92 FEET

BUS 65 SB

BEGINNING OF PROJECT LOG MILE 3.109 END OF PROJECT LOG MILE 3.207 APPARENT LENGTH 517.44 FEET

BRANSON LANDIN	NG BLVD. SE	3
BEGINNING OF PROJECT	LOG MILE 1.710	
END OF PROJECT	LOG MILE 1.871	
APPARENT LENGTH	850.08	FEET
TOTAL APPARENT LENGTH	2735.04	FEET
EQUATIONS AND EXCEPTIONS:		
NONE	0.00	FEET
TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	2735.04	FEET
STATE LENGTH	0.518	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES



REMOVAL OF IMPROVEMENTS							
LOG MILE	LOCATION	DESCRIPTON	UNITS	TOTAL	REMARKS		
US 160 EB							
45.479	RT	GUARDRA I L	LF	125.0	BRIDGE ANCHOR, GUARDRAIL, & TURNDOWN		
45.479	LT	GUARDRA I L	LF	125.0	BRIDGE ANCHOR, GUARDRAIL, & TURNDOWN		
45.502	RT	SIGN	EACH	1	SONS CREEK SIGN		
45.529	LT	SIGN	EACH	1	SONS CREEK SIGN		
45.552	RT	GUARDRA I L	LF	125.0	BRIDGE ANCHOR, GUARDRAIL, & TURNDOWN		
45.552	LT	GUARDRA I L	LF	125.0	BRIDGE ANCHOR, GUARDRAIL, & TURNDOWN		
45.515	ALL	BRUSH & DEBRIS	CY	1350.0	DRIFT WOOOD AND DEBRIS AROUND BENTS		
BU 65 SB		•					
3.129	ALL	SAW CUT	LF	95.0	SAW CUT FOR RELIEF JOINT		
3.202	ALL	SAW CUT	LF	95.0	SAW CUT FOR RELIEF JOINT		
		1 LUMP SUM					

	ROCK BLANKET									
LOG MILE	LOG MILE	LOCATION	FURNISHING	PLACING	REMARKS					
			ROCK BLANKET	ROCK BLANKET						
			(CY)	(CY)						
US 160 E	В									
45.502	45.507	BENT 1	500.0	500.0	AROUND END BENT					
45.508	45.511	BENT 2	53.3	53.3	AROUND FOOTINGS					
45.515	45.518	BENT 3	53.3	53.3	AROUND FOOTINGS					
45.520	45.525	BENT 4	500.0	500.0	AROUND END BENT					
		TOTAL	1106.6	1106.6						
		USE	1107	1107						

FULL DEPTH PAVEMENT REPAIR										
LOG MILE	LOG MILE	LENGTH	WIDTH	CONCTETE	SUBGRADE	TYPE 1 OPR 5	FULL DEPTH	DOWEL BARS	TIE BARS	REMARKS
COMPACTION AGG. BASE SAW CUT										
		(FT)	(FT)	(SY)	(SY)	(SY)	(L.F.)	(EACH)	(EACH)	
US 160 E	В				•					
45.487	45.498	60	42	280.00	28.0	28.0	42.0	168	24	BOTH LANES & BOTH SHOULDERS
45.534	45.545	60	42	280.00	28.0	28.0	42.0	168	24	BOTH LANES & BOTH SHOULDERS
	TOTAL 560.00 56.0 56.0 84.0 336 48									
	USE 560.0 56 56 84 336 48									

HIGH	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS							
LOG MILE	LOG MILE	LOCATION	6" WHITE	6" YELLOW	REMARKS			
			(L.F.)	(L.F.)				
I-49 NB								
61.498	61.551	RT	279.8		RIGHT EDGELINE			
61.498	61.551	LT		279.8	LEFT EDGELINE			
61.498	61.551	CL	70.0		INTERMITTENT BETWEEN LANES			
US 65 NB								
8.846	8.935	RT	469.9		RIGHT EDGELINE			
8.846	8.935	LT		469.9	LEFT EDGELINE			
8.846	8.935	CL	117.5		DOUBLE SOLID CENTERLINE			
		TOTAL	937.2	749.7				
		USE	938	750				

MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

DATE PREPARED 10/18/2024 ROUTE STATE
VAR MO
DISTRICT SHEET NO.
SW 3 COUNTY VARIOUS JOB NO. JSR0053 CONTRACT ID. PROJECT NO.

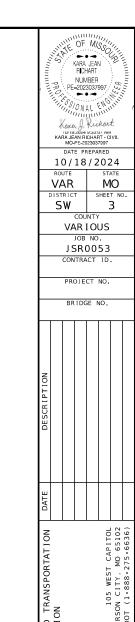
STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS							
				1	, I		
LOG MILE	LOG MILE	LOCATION	4" WHITE	4" YELLOW	REMARKS		
			(L.F.)	(L.F.)			
US 160 E	В						
45.489	45.548	RT	311.5		RIGHT EDGELINE		
45.489	45.548	LT	311.5		LEFT EDGELINE		
45.489	45.548	CL		77.9	INTERMITTENT BETWEEN LANES		
BU 65 SB							
3.109	3.207	RT	129.4		INTERMITTENT BETWEEN LANES		
3.109	3.207	LT	129.4		INTERMITTENT BETWEEN LANES		
3.109	3.207	CL RT		646.8	SOLID CENTERLINE & INTERMITTENT		
3.109	3.207	CL LT		646.8	SOLID CENTERLINE & INTERMITTENT		
BRANSON	LANDING B	LVD. SB					
1.710	1.871	RT	850.1		RIGHT EDGELINE		
1.710	1.871	LT	850.1		LEFT EDGELINE		
1.710	1.871	CL		1700.2	DOUBLE SOLID CENTERLINE		
		TOTAL	2582.0	3071.7			
		USE	2582	3072			

	PAVEMENT MARKING REMOVAL								
LOG MILE	LOG MILE	LOCATION	PAINT	REMARKS					
			(L.F.)						
I-49 SB	I-49 SB								
178.724	178.821	RT	512.2	RIGHT EDGELINE					
178.724	178.821	LT	512.2	LEFT EDGELINE					
178.724	178.821	CL RT & LT	128.0	INTERMITTENT BETWEEN LANES					
US 65 NB									
8.846	8.935	RT	469.9	RIGHT EDGELINE					
8.846	8.935	LT	469.9	LEFT EDGELINE					
8.846	8.935	CL	117.5	INTERMITTENT BETWEEN LANES					
BU 65 SB									
3.109	3.207	RT	129.4	INTERMITTENT BETWEEN LANES					
3.109	3.207	LT	129.4	INTERMITTENT BETWEEN LANES					
3.109	3.207	CL RT	646.8	SOLID CENTERLINE & INTERMITTENT					
3.109	3.207	CL LT	646.8	SOLID CENTERLINE & INTERMITTENT					
BRANSON I	LANDING B	LVD. SB							
1.710	1.871	RT	850.1	RIGHT EDGELINE					
1.710	1.871	LT	850.1	LEFT EDGELINE					
1.710	1.871	CL	1700.2	DOUBLE SOLID CENTERLINE					
		TOTAL	7162.5						
		USE	7163						

SLAB JACKING MATERIAL HIGH DENSITY POLYURETHANE								
LOG MILE	LOG MILE	AREA	POLYURATHANE	REMARKS				
		(SY)	(LBS)					
I-49 SB								
187.815	178.821	195	1800.0	APPROACH SLAB LIFT BENT 5				
BU 65 SB								
3.129	3.134	190	1200.0	APPROACH SLAB LIFT BENT 1				
3.197	3.202	190	1200.0	APPROACH SLAB LIFT BENT 5				
		TOTAL	4200.0					
	·	USE	4200					

	RELIEF JOINT									
LOG MILE	LENGTH	OPEN CELL	REMARKS							
		FOAM JOINT SEAL								
	(FT)	(L.F.)								
BU 65 SB										
3.129	95	95.0	BETWEEN APPROACH SLAB & APPROACH PAVEMENT							
3.202	3.202 95 95.		BETWEEN APPROACH SLAB & APPROACH PAVEMENT							
	TOTAL	190.0								
	USE	190								

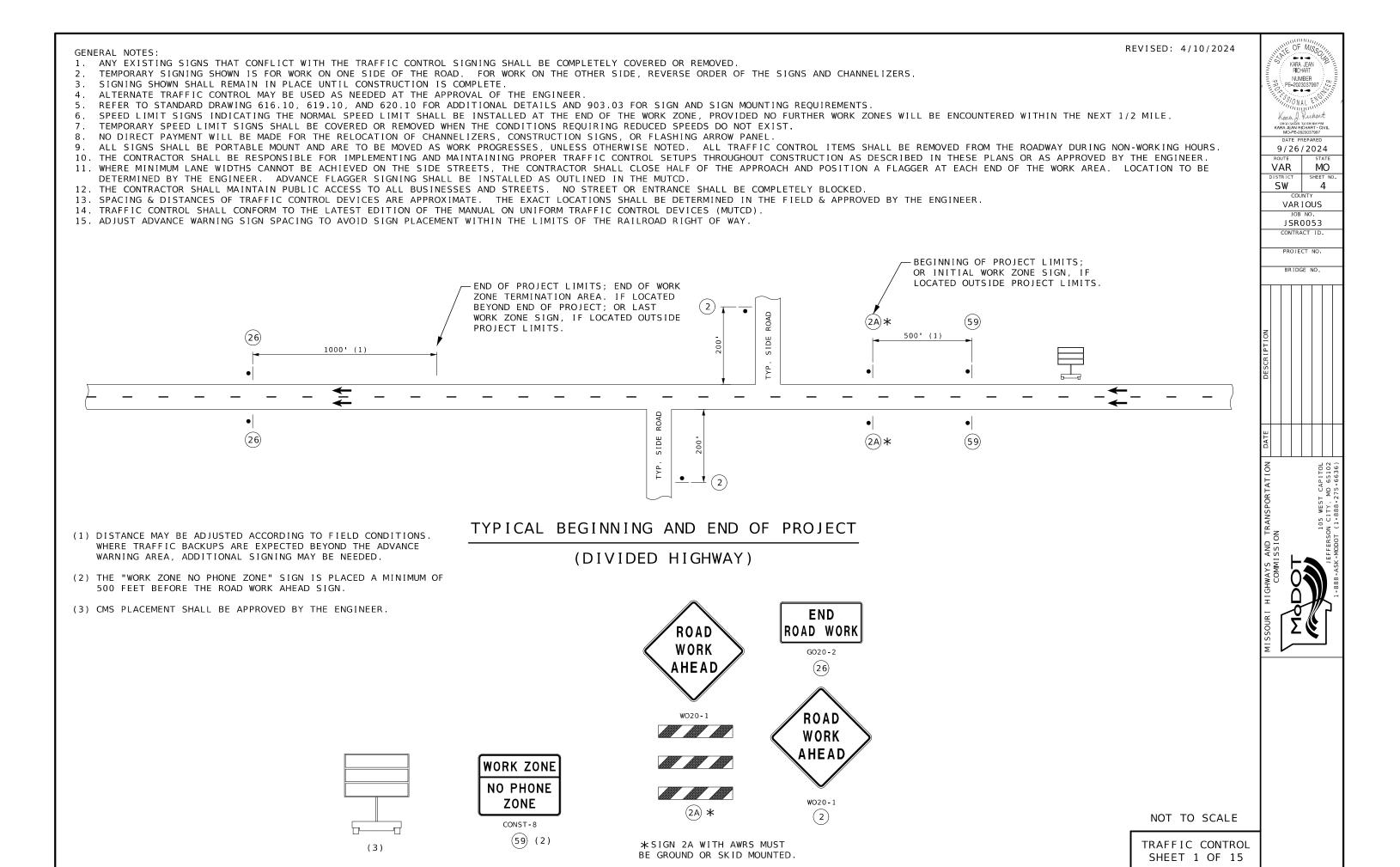
GUARDRA I L									
BEGIN	END	GUARDRA I L	BRIDGE APPROACH	BRIDGE ANCHOR	CWT				
			TRANITION SECTION	SECTION					
LOG MILE	LOG MILE	(LF)	(EACH)	(EACH)	(EACH)				
US 160 E	В								
LEFT SID	E								
45.479	45.506	50.0	1	1	1				
45.526	45.552	50.0	1	1	1				
RIGHT SII	DE								
45.479	45.506	50.0	1	1	1				
45.526	45.552	50.0	1	1	1				
	TOTAL	200.0	4	4	4				
	USE	200	4	4	4				



													EFFECTIVE: 07-01-2024	$\neg \neg$	THHIII.	um,	—
	TOTAL QTY TO	OTAL SIGN						QTY TOTAL	S I GN] [,	JIJIATE OF	MISSO	11/2
SIZE AREA QTY	AREA RELOC RI	ELOC NUM.			SIZE	AREA	QTY TOTA	LRELOCRELOC	NUM.					THIII.		JEAN :	2=
SIGN IN SQ FT EACH	SQ.FT. EACH SO	Q.FT.		SIGN	IN.	SQ.FT.	EACH SQ.FT	EACH SQ FT			I TEM	TOTAL		1	NUM	MBER .	Q.
WARI	NING SIGNS		DESCRIPTION				GUIDE SI	GNS		DESCRIPTION	NUMBER	QTY	DESCRIPTION] [[] =	PE-2023	23037997	337
WO1-1L 48X48 16.00			TURN (SYMBOL LEFT)	E05-1	36X48					GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	11	11,1,5,5/0 NA	AL ENG	III.
WO1 - 1R 48X48 16.00			TURN (SYMBOL RIGHT)	E05-2	48X36					EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	∤	Karer J. 9	Richar	t
WO1-2L 48X48 16.00 WO1-2R 48X48 16.00			CURVE (SYMBOL LEFT) CURVE (SYMBOL RIGHT)	E05 - 2a GO20 - 1	48X36					ROAD WORK NEXT XX MILES	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS) IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	1 I	10/18/2024 S KARA JEAN RIO MO-PE-202	9:33:23 AM ICHART - C	IVIL
WO1-3L 48X48 16.00			REVERSE TURN (SYMBOL LEFT)	l 	48X24		2 16			END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	1 🗁	DATE PR		
WO1-3R 48X48 16.00			REVERSE TURN (SYMBOL RIGHT)	GO20-4						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	1 L	10/18		
WO1-4L 48X48 16.00			REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75				PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)		VAR	M STA	
WO1-4R 48X48 16.00			REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	_					PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL		DISTRICT	SHEET	
WO1 - 4bL 48X48 16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20 - 5 a F	_		2 12			WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)	łĿ	SW	3	3
WO1-4bR 48X48 16.00 WO1-4cL 48X48 16.00			DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT) TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-8a MO4-9L	48X36		2 6			DETOUR (LEFT)	6123001		TRUCK MOUNTED ATTENUATOR (TMA) ADVANCED WARNING RAIL SYSTEM	1 I	cour VAR I		
WO1-4cR 48X48 16.00			TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4 - 9R	_					DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	┧┝	JOB		
WO1-6 60X30 12.50			HORIZONTAL ARROW (SYMBOL)	l 	48X12					STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	11	JSRC	ე053	
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)] [CONTRA	CT ID.	
WO1-7 60X30 12.50			DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4 - 10R	48X18					DETOUR ARROW (RIGHT)			CHANNELIZER (TRIM LINE)	↓⊢	PROJEC	CT NO	
WO1 - 7a 72X36 18.00			DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	D1 1	40740		REGULATO	RY SIGNS		CTOD	6161030		TYPE III MOVEABLE BARRICADE	∤ I _			
WO1-8 18X24 3.00 WO1-8a 30X36 7.50			CHEVRON (SYMBOL) CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-1 R1-2	48X48 48TRI					STOP YIELD	6161033		DIRECTION INDICATOR BARRICADE FLASHING ARROW PANEL	┨┞	BRIDG	E NO.	_
WO3-1 48X48 16.00			STOP AHEAD (SYMBOL)	R1-2 R1-2a	36X36					TO ONCOMING TRAFFIC (PLAQUE)	6161040		TYPE III OBJECT MARKER	┧┞┈			$\overline{}$
WO3-2 48X48 16.00			YIELD AHEAD (SYMBOL)	R1-3P	30X12					ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	111		\Box	,
WO3-3 48X48 16.00			SIGNAL AHEAD (SYMBOL)	R2-1			12 144			SPEED LIMIT XX	6161070		TUBULAR MARKER] [$ \cdot $, I
WO3-4 48X48 16.00			BE PREPARED TO STOP	R3-1	48X48					NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	↓ [$ \cdot $, I
WO3-5 48X48 16.00			SPEED LIMIT AHEAD	R3 - 2	48X48					NO LEFT TURN (SYMBOL)	1 6161000		CHANGEABLE MESSAGE SIGN,	 		\Box	,
WO4-1L 48X48 16.00 WO4-1R 48X48 16.00			MERGE (SYMBOL FROM LEFT) MERGE (SYMBOL FROM RIGHT)	R3-3 R3-4	36X36 48X48					NO U-TURN (SYMBOL)	6161096	+	COMMISSION FURNISHED/RETAINED CHANGEABLE MESSAGE SIGN W/O COMM.	┨┋┨		\Box	,
WO4-1R 48X48 16.00 1	16		MERGE (LEFT)	R3 - 7L	30X30					LEFT LANE MUST TURN LEFT	16161098	\	INTERFACE - CONTRACTOR FURNISHED/RETAINED	R I P	1		.
WO4-1aR 48X48 16.00 1	16		MERGE (RIGHT)	R3 - 7R	30X30					RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITH COMM.	SC	1		ıl
WO5-1 48X48 16.00			ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00				DO NOT PASS	6161099	4	INTERFACE - CONTRACTOR FURNISHED/RETAINED		1		ı l
WO5-3 48X48 16.00			ONE LANE BRIDGE	R4-2	36X48					PASS WITH CARE	6162000		WORK ZONE TRAFFIC SIGNAL SYSTEM	411			ı I
WO5-5 48X48 16.00			NARROW LANES	R4-7a	36X48		2 24			KEEP RIGHT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS	4 I I	1		ıl
WO6-1 48X48 16.00 WO6-2 48X48 16.00			DIVIDED HIGHWAY (SYMBOL) DIVIDED HIGHWAY END (SYMBOL)	R4-8a R5-1	36X48 30X30					DO NOT ENTER	- 		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED		1		ı l
WO6-3 48X48 16.00			TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24					WRONG WAY	101730000	1	TEMPORARY TRAFFIC BARRIER	1		\Box	T
WO7-3a 30X24 5.00			NEXT XX MILES (PLAQUE)	R6-1L	54X18					ONE WAY ARROW (LEFT)	61736021	3	CONTRACTOR FURNISHED/COMMISSION RETAINED	ATE	1		ı l
WO8-1 48X48 16.00			BUMP	R6-1R	54X18	6.75				ONE WAY ARROW (RIGHT)	6174000	1	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION] ^	1		ı l
WO8-2 48X48 16.00			DIP	R6-2L	24X30					ONE WAY (LEFT)	6175010	١	RELOCATING TEMPORARY TRAFFIC BARRIER				25
WO8-3 48X48 16.00			PAVEMENT ENDS	R6 - 2R	24X30					ONE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER	⊡		Ę	65102
WO8-4 48X48 16.00 WO8-5 48X48 16.00			SOFT SHOULDER SLIPPERY WHEN WET (SYMBOL)	R9-9	24X12	2.00				SIDEWALK CLOSED AHEAD,	61760001	3	COMMISSION FURNISHED/RETAINED TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	 ∐⊵	:	CAP.	, 0
WO8-6 48X48 16.00			TRUCK CROSSING	R9-11L	24X18	3.00				(ARROW LEFT) CROSS HERE	6177000	3	COMMISSION FURNISHED/RETAINED	R	,	L	, ≥ ;
WO8-6c 48X48 16.00			TRUCK ENTRANCE							SIDEWALK CLOSED AHEAD,	6208064		TEMPORARY RAISED PAVEMENT MARKER	ISP	<u>.</u>	× E	ΥL
WO8-7 36X36 9.00			LOOSE GRAVEL	R9-11R	24X18	3.00				(ARROW RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS] ₹	;	105	50
WO8-7a 36X36 9.00			FRESH OIL / LOOSE GRAVEL	R10-6	24X36					STOP HERE ON RED (45^ ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING] ⊨	NO		SOI
WO8-9 48X48 16.00			LOW SHOULDER	R11-2	48X30	10.00	2 20			ROAD CLOSED	-			- 9	. S		FER
WO8-11 48X48 16.00 WO8-12 48X48 16.00			UNEVEN LANES NO CENTER LINE	R11-3a	60X30	12 50	2 25			ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY		-		- ∢	¥118		Ē
WO8-12 48X48 16.00			GROOVED PAVEMENT				2 25			ROAD CLOSED TO THRU TRAFFIC	+			₩			A
WO8-15P 30X24 5.00			MOTORCYCLE (PLAQUE)	CONST - 3A						FINE SIGN	1			1 ≩	Ď,		ı
WO8-17L 48X48 16.00			SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-3	_	4.67				SPEEDING/PASSING (PLATE)] ≗	\bigcap	U	L
WO8-17R 48X48 16.00			SHOULDER DROP-OFF (SYMBOL RIGHT)				MISCELLA	NEOUS SIGNS						1 =	⋰⋌	////	J
W08-17P 30X24 5.00			SHOULDER DROP-OFF (PLAQUE)	CONST-5						POINT OF PRESENCE	4			l _E	, [2		
W10-1 42RND. 9.62 W012-1 24X24 4.00			RAILROAD CROSSING DOUBLE DOWN ARROW (SYMBOL)	CONST - 8			2 24			POINT OF PRESENCE WORK ZONE NO PHONE ZONE	1			SO		6	
WO12-1 24X24 4.00 WO12-2 48X48 16.00	+ + +		LOW CLEARANCE (SYMBOL)				24 48			DETOUR	1			11.5		<u> </u>	J
W012-2x 24X18 3.00			LOW CLEARANCE (PLAQUE)				24 120			US ROUTE 160	1			12			
WO12-2a 84X24 14.00			OVERHEAD LOW CLEARANCE (FEET AND INCHES)				13 26			EAST]						
WO12-4 120X60 50.00			LOW CLEARANCE XX FT XX IN XX MILES AHEAD	M3 - 4			11 22			WEST	1						
WO12-5 120X60 50.00			WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD				2 4.4			ADV TURN ARROW-LEFT, 90 DEGREE	_						
WO13-1 30X30 6.25	10		ADVISORY SPEED (PLAQUE)	M5 - 1R M6 - 1			2 4.4			ADV TURN ARROW-RIGHT, 90 DEGREE STRAIGHT ARROW	1						
WO16-2 30X24 5.00 2 WO16-3 30X24 5.00	10		500 FEET (PLAQUE) X MILE (PLAQUE)	M6 - 1 M6 - 3			7 15.4 13 28.6			SINAIGHI ANKUW	1						
WO20-1 48X48 16.00 6	96		ROAD/BRIDGE/RAMP WORK AHEAD		21/13	2.20	15 20.0				1						
WO20-2 48X48 16.00 2			DETOUR AHEAD								1						
WO20-3 48X48 16.00 4	64		ROAD CLOSED AHEAD	616-10			TOTA	⊣ 1			_						
WO20-4 48X48 16.00			ONE LANE ROAD AHEAD			N SIG	NS 847										
WO20-5 48X48 16.00 1			RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10		I CNC		TOTAL									
WO20-5a 48X48 16.00 1 WO20-6a 48X48 16.00 1	16		2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD RIGHT/CENTER/LEFT LANE CLOSED	RELOCA	IED S	I GN2		0									
WO20-6a 48X48 16.00 1 WO20-7a 48X48 16.00	16		FLAGGER (SYMBOL)														
WO21-2 36X36 9.00			FRESH OIL														
WO21-5 48X48 16.00			SHOULDER WORK / SHOULDER WORK AHEAD									S	UMMARY OF QUANTITIES				
WO22-1 48X48 16.00			BLASTING ZONE AHEAD									J	-	1			
WO22-2 42X36 10.50			TURN OFF 2-WAY RADIO AND PHONE										SHEET 3 OF 3				

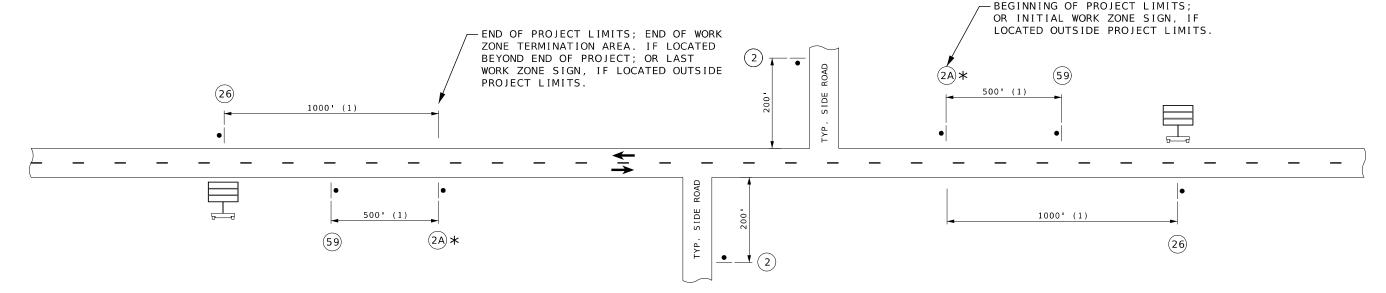
END BLASTING ZONE WET PAINT (ARROW PIVOTS)

WO22-3 42X36 10.50 GO22-1 21X15 2.19



REVISED: 4/10/2024

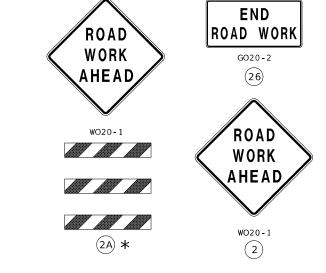
- 1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
- 2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
- 3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION 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 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
- II. 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.



(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) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (3) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.

TYPICAL BEGINNING AND END OF PROJECT (UNDIVIDED HIGHWAY)



WORK ZONE
NO PHONE
ZONE

CONST-8

(3)

*SIGN 2A WITH AWRS MUST BE GROUND OR SKID MOUNTED. RAPA JEAN FICHART NUMBER PE-2023037997 A STANDARD PE-202303799 A STANDARD PE-20230379 A STANDARD PE-202303

UNIZITZUZA 12:00:13 PM KARA JEAN RICHART - CIVIL MO-PE-2023037997 DATE PREPARED 9 / 26 / 2024

ROUTE STATE
VAR MO
DISTRICT SHEET NO.
SW 5

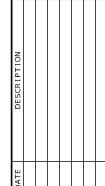
VAR I OUS

JOB NO.
JSR0053

CONTRACT ID.

BRIDGE NO

PROJECT NO



COMMISSION

COMMISSION

COMMISSION

TO DOT

105 WEST CAPITOL

105 WEST CAPITOL

106 WEST CAPITOL

107 WEST CAPITOL

107 WEST CAPITOL

108 WEST CAPITOL

109 WEST CAPITOL

107 WEST CAPITOL

107 WEST CAPITOL

107 WEST CAPITOL

108 WEST CAPITOL

109 WEST CAPITOL

107 WEST CAPITOL

107 WEST CAPITOL

108 WEST CAPITOL

109 WEST CAPITOL

109

NOT TO SCALE

TRAFFIC CONTROL SHEET 2 OF 15

SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	DIVIDED HIGHWAYS (S)	SHOULDER(1)	LANE(2) (T2)	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

NOTES:

(6A)

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

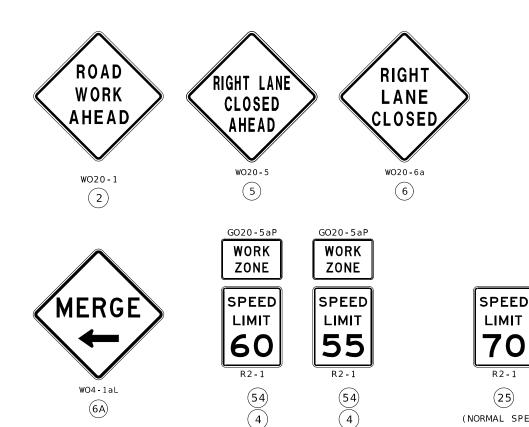
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

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

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGNS SHALL BE

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE, ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

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



(4)

SPEED

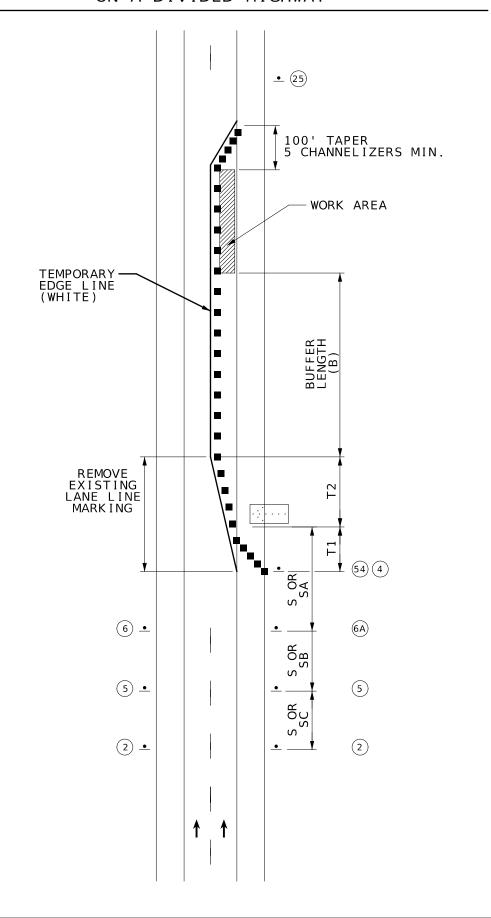
LIMIT

R2-1

(25)

(NORMAL SPEED) (NORMAL SPEED)

STATIONARY LANE CLOSURE ON A DIVIDED HIGHWAY



KARA JEAN RICHART

REVISED: 8/3/2023

Kare J. Richart

9/26/2024

VAR MO SHEET NO SW 6 **VARIOUS**

> JSR0053 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

NOT TO SCALE

TRAFFIC CONTROL SHEET 3 OF 15

SPEED	SIGN SPACING (FT)		LENGTH T)	OPTIONAL	LONG I - TUD I NAL	CHANNELIZER SPACING (FT)	
NORMAL POSTED (MPH)	DIVIDED (S)	SHOULDER(1)	LANE(2) (T2)	BUFFER LENGTH (FT) (B)	TRANSITION (X)	TAPERS	BUFFER/ WORK AREAS
0-35	200	70	245	250	490	35	40
40 - 45	500	150	540	360	1080	40	80
50-55	1000	185	660	495	1320	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	730	1680	60	120

NOTES:

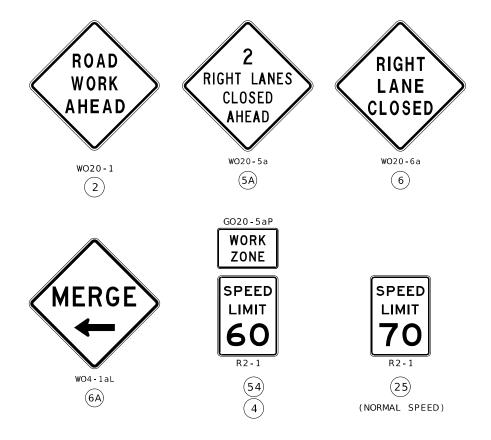
- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

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.

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



DOUBLE LANE CLOSURE

ON A FREEWAY • 25 200' TAPER 10 CHANNELIZERS MIN. WORK AREA BUFFER LENGTH (B) . • (6) <u>•</u> (6A) **▼**(54)(4) S (6) <u>•</u> S (5A) <u>•</u> SC ഗ` (2) 2 •

KARA JEAN RICHART NUMBER PE-202303799

REVISED: 8/27/2024

9/26/2024

VAR MO SW 7

VARIOUS JSR0053 CONTRACT ID.

PROJECT NO.

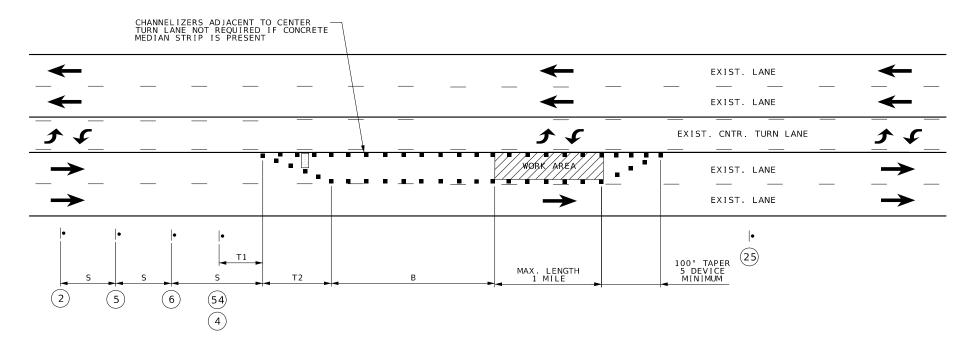
BRIDGE NO.

NOT TO SCALE

TRAFFIC CONTROL SHEET 4 OF 15

REVISED: 8/27/2024

PASSING LANE CLOSURE



SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)		
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	SHOULDER(1) LANE(2) (T1) L		BUFFER LENGTH (FT) (B)	TAPERS	TAPERS BUFFER/ WORK AREAS	
0-35	200	70	245	250	35	40	
40-45	350	150	540	360	40	80	
50 - 55	500	185	660	495	50	80	
60-70	1000	235	840	730	60	120	

NOTES

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE" AND "POINT OF PRESENCE", 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. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.









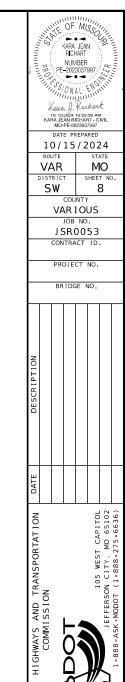
GO20-5aP





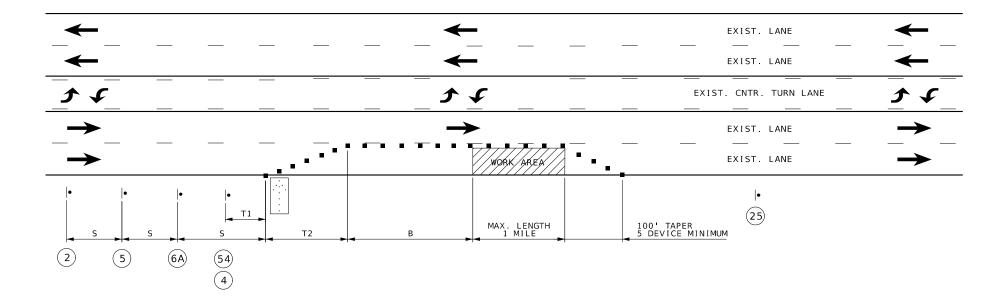
NOT TO SCALE

TRAFFIC CONTROL SHEET 5 OF 15



REVISED: 8/27/2024

OUTSIDE LANE CLOSURE



SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)		
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	SHOULDER(1) LANE(2) (T1) L		BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS	
0 - 35	200	70	245	250	35	40	
40-45	350	150	540	360	40	80	
50-55	500	185	660	495	50	80	
60-70	1000	235	840	730	60	120	

NOTES

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE" AND "POINT OF PRESENCE", 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. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.









GO20-5aP

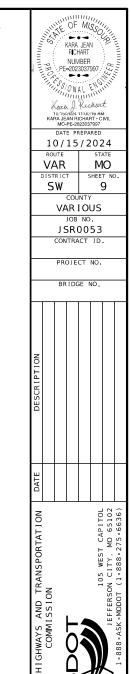


SPEED LIMIT 35

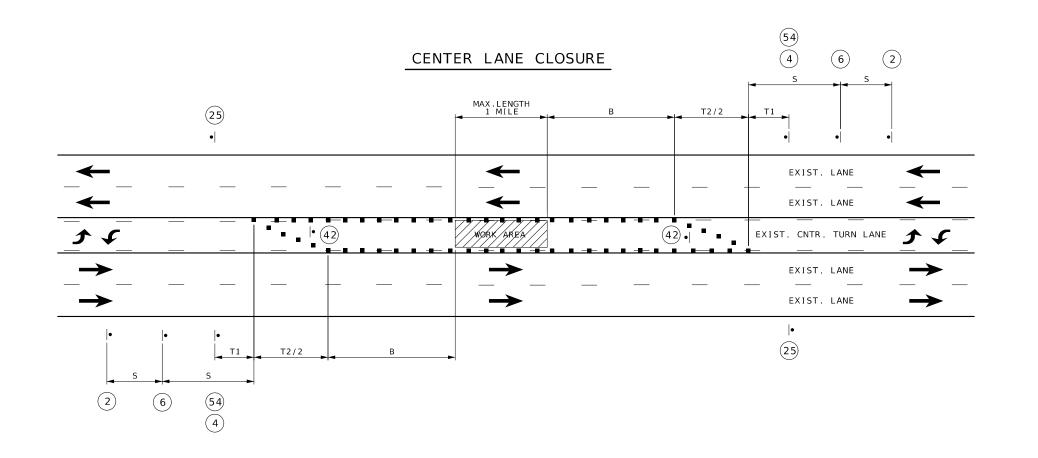
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NOT TO SCALE

TRAFFIC CONTROL SHEET 6 OF 15



REVISED: 8/27/2024



SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	SHOULDER(1) LANE(2) (T1)		BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	70	245	250	35	40
40-45	350	150	540	360	40	80
50-55	500	185	660	495	50	80
60-70	1000	235	840	730	60	120

NOTES

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE" AND "POINT OF PRESENCE", 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. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.









WORK ZONE

SPEED

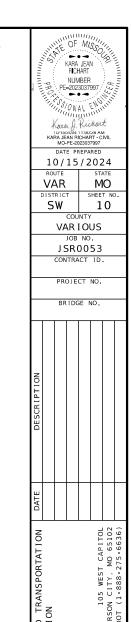
LIMIT

SPEED LIMIT 35

(NORMAL SPEED)

NOT TO SCALE

TRAFFIC CONTROL SHEET 7 OF 15



TYPICAL CLOSURE OF EXISTING BRIDGES OR NON-TRAVERSABLE ROADS

SPEED	SIGN SPAC	ING (FT.)	TAPER LENGTH (FT.)		OPTIONAL	CHANNELIZER SPACING (FT.)		
NORMAL	UNDIVIDED	DIVIDED	SHOULDER	LANE	BUFFER	TAPERS	BUFFER/	
POSTED					LENGTH (FT.)		WORK AREAS	
(MPH)	(S)	(S)	(T1)	(T2)	(B)			
0-35	200	200	_			-		
40-45	350	500	_	_	360	-	-	
50-55	500	1000	_	_	495	_	_	
		SA - 1000						
60-70	1000	SB - 1500	_	_	730	_	_	
		SC - 2640						

TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MI.
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MI.

KARA JEAN RICHART

NUMBER

Kora J. Richart

9/26/2024

VARIOUS
JOB NO.
JSR0053
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

MO

11

VAR

SW

SHEET 8 OF 15

REFER TO EPG 606.1.3.5 CLOSURES OF EXISTING STREETS, ROADS, AND BRIDGES OR NON-TRAVERSABLE ROADS FOR BRIDGE AND/OR ROAD CLOSURES DESIGNATED NON-TRAVERSABLE

- (1) THE ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY SIGN SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE SUPERVISOR, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE.
- (2) ADDITIONAL BARRICADES MAY BE USED AND OFFSET TO FACILITATE ACCESS FOR LOCAL TRAFFIC, ETC.
- (3) THE USE OF TYPE D GUARDRAIL AND TYPE 4 OBJECT MARKERS VERSUS TYPE III BARRICADES AND TEMPORARY CONCRETE TRAFFIC BARRIERS ARE DEPENDENT UPON THE DISTRICT/CENTRAL OFFICE REPLACEMENT SCHEDULE.

TRAFFIC CONTROL SHOULD BE REMOVED AS SOON AS PRACTICAL AFTER CONDITION FOR THE CLOSURE NO LONGER EXISTS.

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

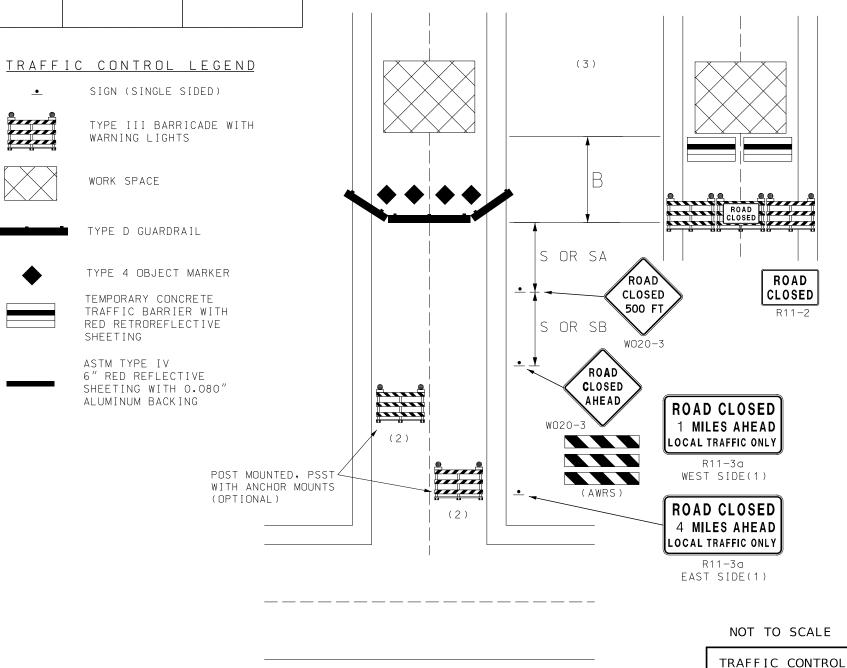
REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 606.00 GUARDRAIL TYPE D FOR GUARDRAIL AND POST-MOUNTED TYPE III BARRICADES.

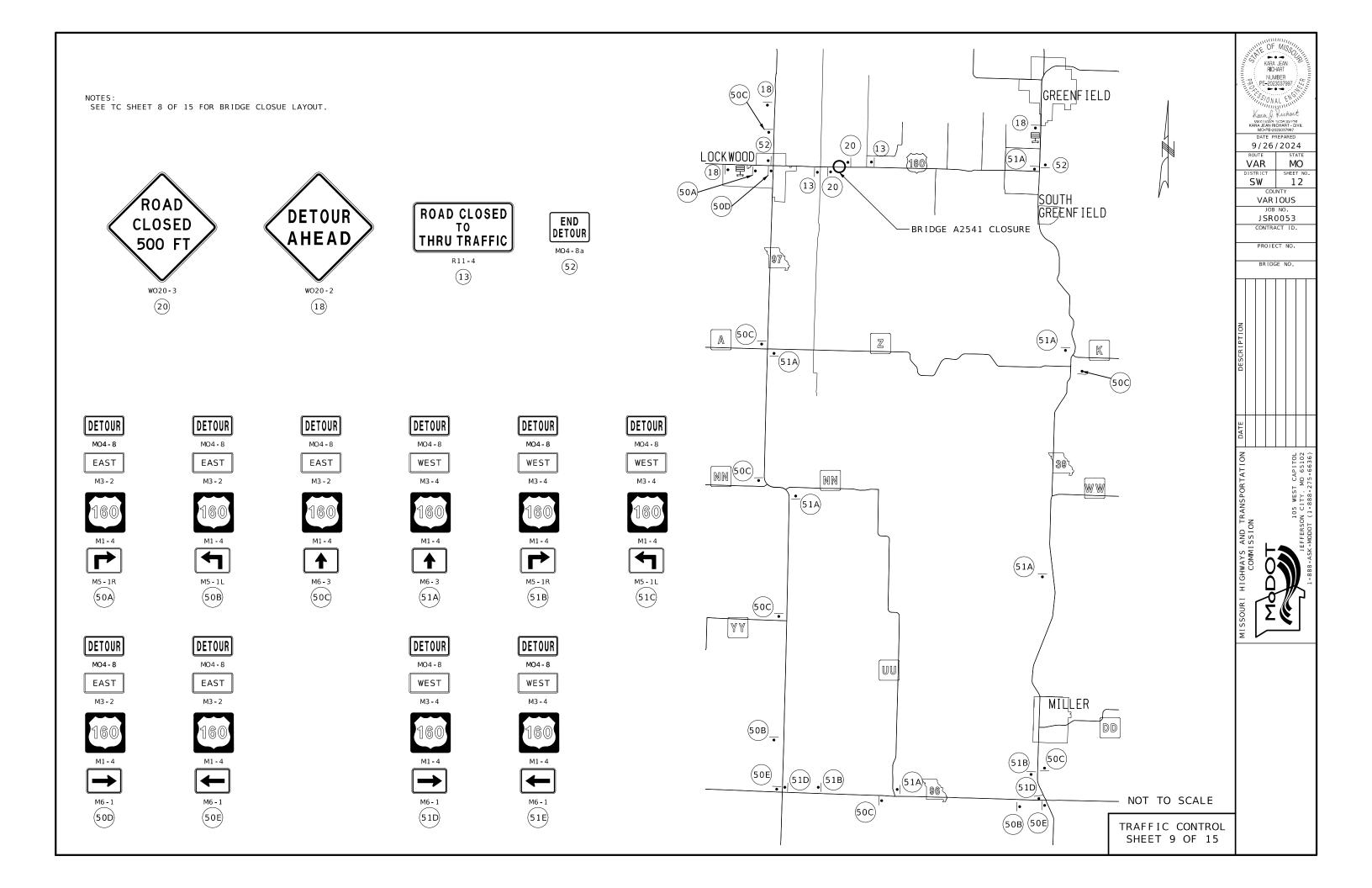
REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 616.10 TEMPORARY TRAFFIC CONTROL DEVICES FOR TYPE III BARRICADES.

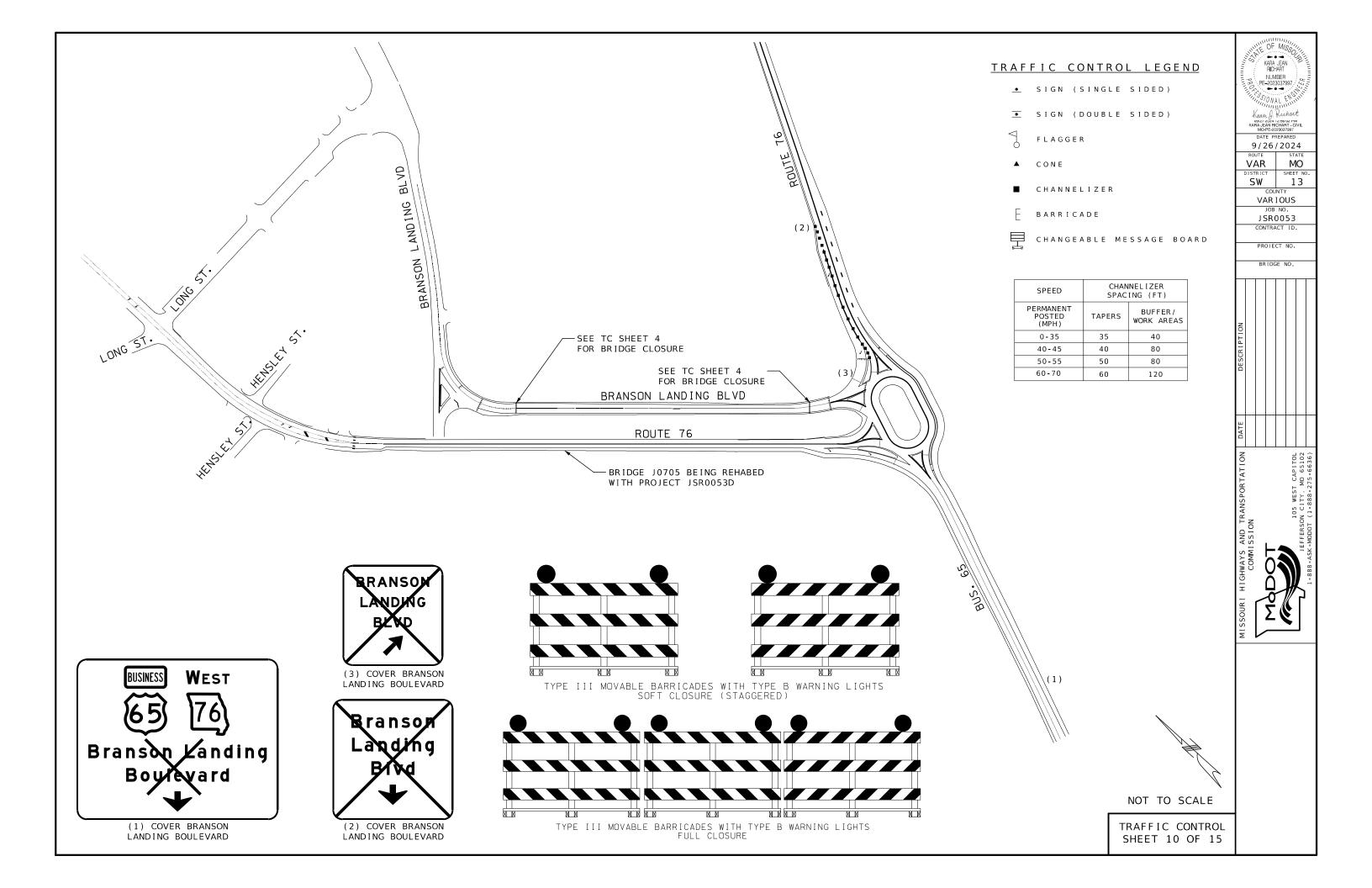
REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 903.03 SIGN MOUNTING DETAILS DELINEATORS OBJECT MARKERS FOR TYPE 4 OBJECT MARKER.

REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 617.20 TEMPORARY CONCRETE TRAFFIC BARRIER FOR CONCRETE BARRIERS.

REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 1042 HIGHWAY SIGN MATERIAL FOR 6-INCH WIDE, 10-12-FOOT LONG RED RETROFLECTIVE SHEETING.







I-49 SOUTH DOUBLE LANE CLOSURE STAGE 1

FIGHER NUMBER NUMBER SON AL ENGLISH

KOCA J. Richart

USIZIZZUZA 12:54:48 PM

KARA JEAN RICHART - CIVI

MO-PE-2023037997

9/26/2024

ROUTE STATE

VAR MO
DISTRICT SHEET NO
SW 14

VARIOUS

JOB NO.

JSR0053

CONTRACT ID.

PROJECT NO

DESCRIPTION

SOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MADOT

105 WEST CAPITOL
LEFFERSON CITY, NO 65102
1-888-ASK-MODOT (1-888-275-6636)

NOTES:

SEE TC SHEET 4 OF 15 FOR SIGN AND DEVICE SPACING.



WORK AREA

NOT TO SCALE

TRAFFIC CONTROL SHEET 11 OF 15

I-49 SOUTH DOUBLE LANE CLOSURE STAGE 2

KARA JEAN RICHART NUMBER PE-2023037997

Kara J. Richart
USIZI/ZUZ4 1Z:33:UB PM
KARA JEAN RICHART - CIVI
MO-PE-2023037997

9/26/2024

ROUTE STATE
VAR MO

DISTRICT SHEET NO
SW 15

VARIOUS

JOB NO.

JSR0053

CONTRACT ID.

PROJECT NO

E DESCRIPTION

SOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MODOT

105 WEST CAPITOL
JEFFERSON CITY, NO 65102

NOTES:

SEE TC SHEET 4 OF 15 FOR SIGN AND DEVICE SPACEING.



NOT TO SCALE

TRAFFIC CONTROL SHEET 12 OF 15

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCKS 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, OSCILLATING, OR STROBE LIGHTS.

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.

FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

- (1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD ARE MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.
- (2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.
- (3) REAR WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN, WHICHEVER IS GREATER.

ARA JEAN RICHART NUMBER PE-2023037997

KORE J. RICHART

VARIA JEAN RICHART - CIVIL

MO-PE-2023037997

DATE PREPARED

DATE PREPARED
9/26/2024
ROUTE STATE
VAR MO

SW 16

COUNTY

VARIOUS

SHEET NO

JOB NO.
JSR0053
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

COMMISSION

COMMISSION

COMMISSION

THOOOT

105 WEST CAPIT

JEFFERSON CITY, NO 651

PAVEMENT MARKING **EQUIPMENT** FLASHING ARROW PANEL
- CAUTION MODE MIDDLE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND REQUIRED TRUCK MOUNTED ATTENUATOR. (1) ONE LANE ROAD AHEAD WO20-4 WET PAINT WET PAINT REAR ADVANCE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND G022-1(2) REQUIRED TRUCK MOUNTED ATTENUATOR. (3) STRIPING ON TWO-LANE HIGHWAY

NOT TO SCALE

TRAFFIC CONTROL SHEET 13 OF 15



NOTES:

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

VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR

- OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

OF 60 X 30 INCHES.

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.

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

Karen J. Richart U9/2//2024 12:56:33 PM KARA JEAN RICHART - CIVIL MOLPE-2023037007

KARA JEAN RICHART NUMBER

9/26/2024

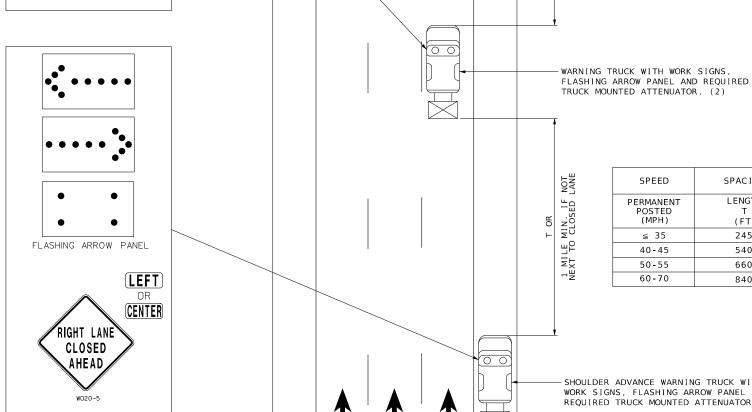
VAR MO SHEET NO SW 17

VARIOUS LOB NO JSR0053 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS. VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE. (1) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S (2) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER. FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED.



FLASHING ARROW PANEL

LANE

CLOSED

W020-6a

G022-1(1)

WET PAINT

WET PAINT

LEFT

SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40-45	540
50-55	660
60-70	840

SHOULDER ADVANCE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND REQUIRED TRUCK MOUNTED ATTENUATOR.

PAVEMENT

MARKING EQU I PMENT

WARNING TRUCK WITH WORK SIGNS,

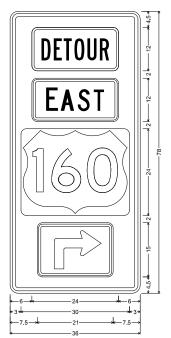
TRUCK MOUNTED ATTENUATOR.

FLASHING ARROW PANEL AND REQUIRED

STRIPING ON MULTI-LANE HIGHWAY

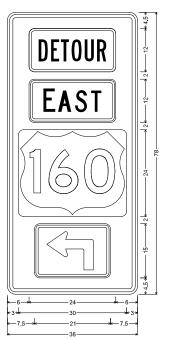
NOT TO SCALE

TRAFFIC CONTROL SHEET 14 OF 15



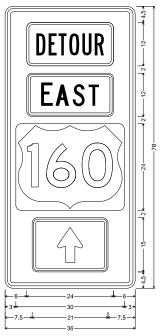
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts





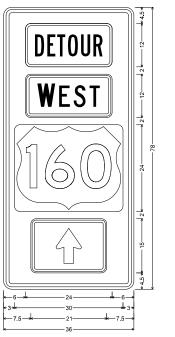
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radjus, 0.875" Border, 0.625" Indent, Black on, Orange Table of letter and object lefts





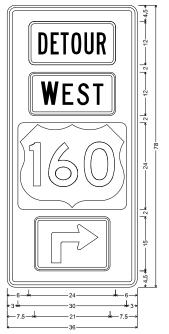
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange Table of letter and object lefts





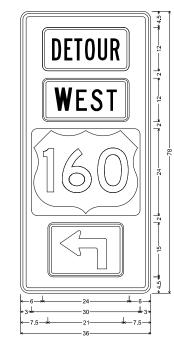
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange Table of letter and object lefts





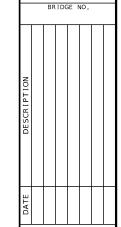
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radjus, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts





MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts





KARA JEAN RICHART NUMBER PE-2023037997

Keven J. Richart 1912/12/24 12:05:30 FM KARA JEAN RICHART - CIVII MO-PE-2023037997

9/26/2024

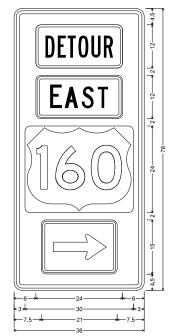
JOB NO.
JSR0053
CONTRACT ID.
PROJECT NO.

MO

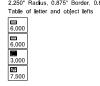
18

VAR

SW



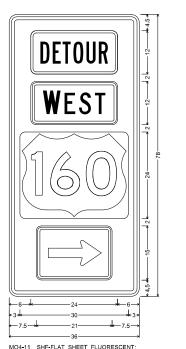
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts





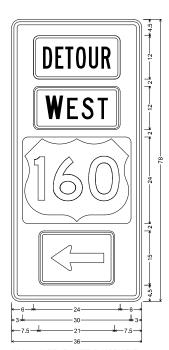
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts





MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts



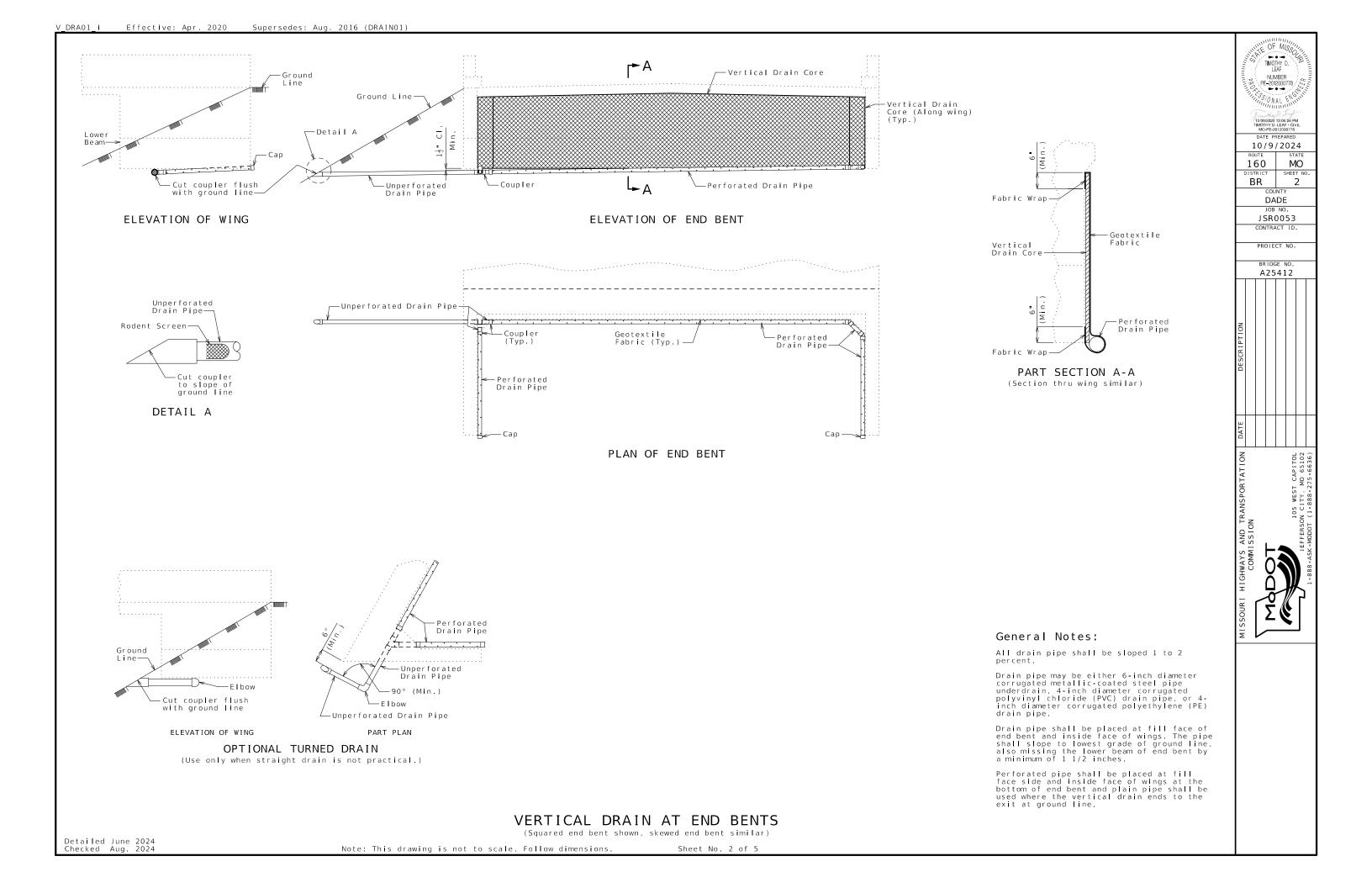


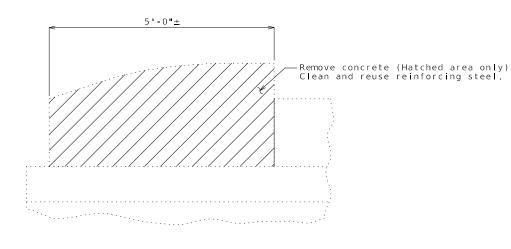
MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts

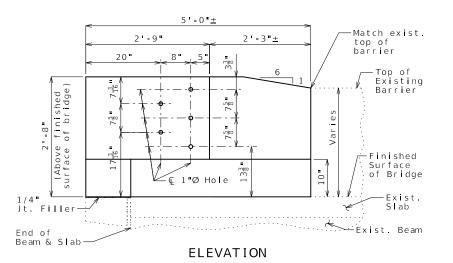


D-31

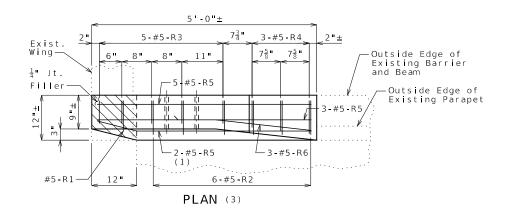
TRAFFIC CONTROL SHEET 15 OF 15

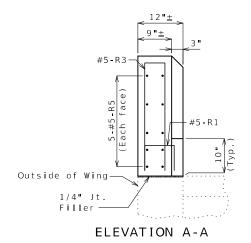






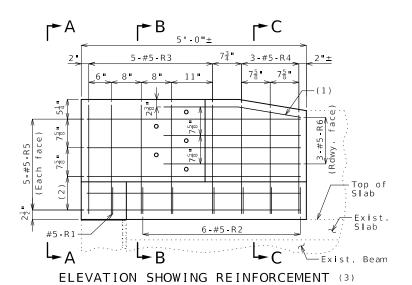
PART ELEVATION SHOWING CONCRETE REMOVAL

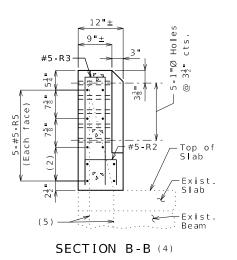


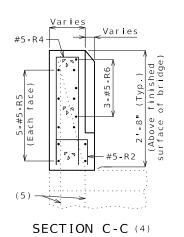


(1) Bend in field.

- (2) 2 Spa. @ 4½"
- (3) Existing reinforcement not shown for clarity.
- (4) Existing longitudinal reinforcement not shown for clarity.
- (5) Existing reinforcement
 embedded in beam (U.I.P.)
 (Bend in field as needed) (Typ.)







Notes:

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise shown.

All reinforcement in barrier end modification shall be epoxy coated. $\label{eq:coated} % \begin{array}{ll} \text{ on } & \text{otherwise} \\ \text{ otherwise} \\ \text{ other$

Cost of removing existing barrier concrete, and cost of furnishing and installing new concrete, new reinforcing steel, and any other work incidental to the barrier end modification, complete in place, will be considered completely covered by the contract unit price for Barrier End Modification.

TIMOTHY D. TIMOTHY D.

DATE PREPARED

10/9/2024

ROUTE STATE

160 MO

DISTRICT SHEET NO

BR 3

COUNTY

DADE

JSR0053 CONTRACT ID.

PROJECT NO.

DESCRIPTION 425415

ISSOURI HIGHWAYS AND TRANSPORTATIO
COMMISSION

MADOT

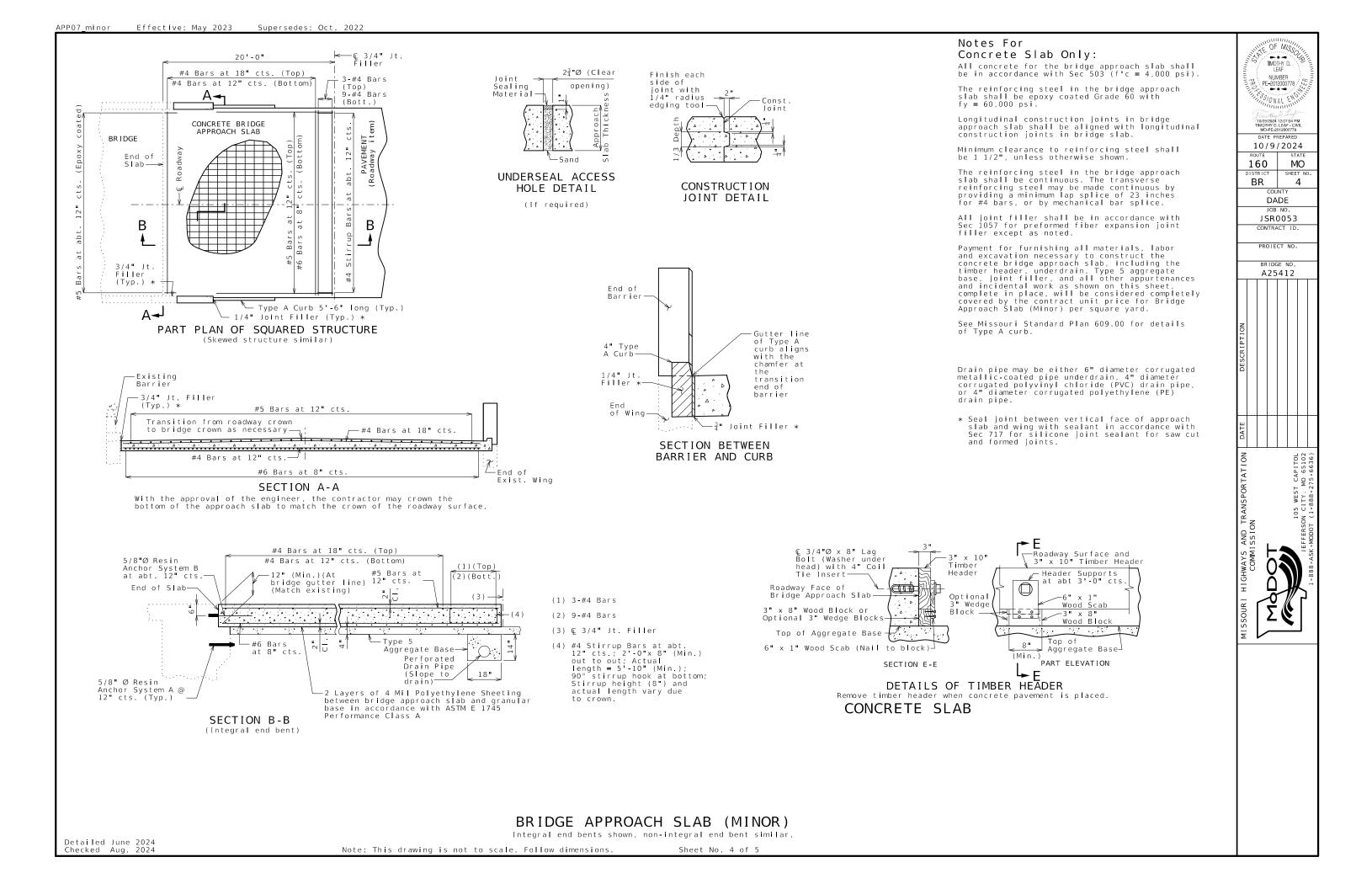
105 WEST CAPITO
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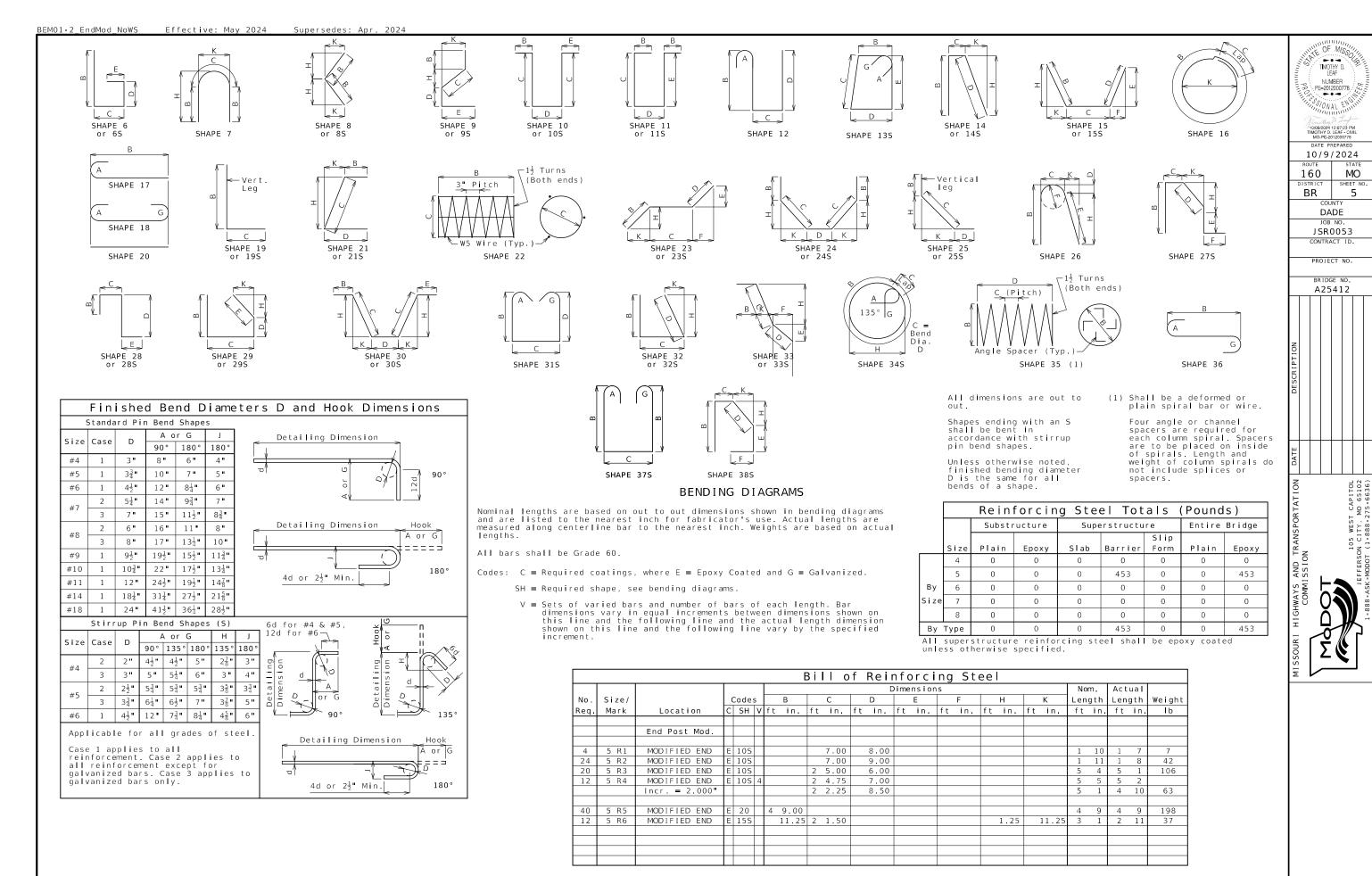
BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT

Detailed June 2024 Checked Aug. 2024

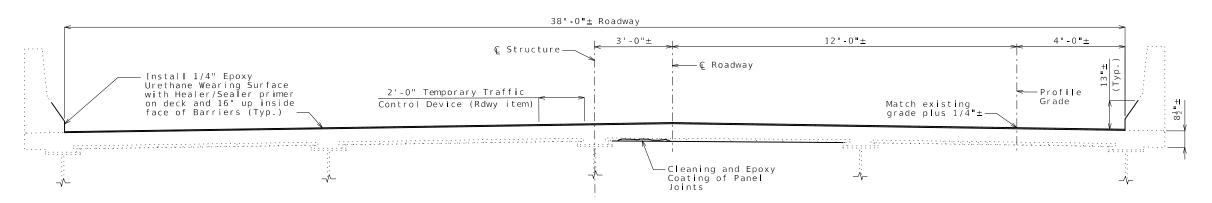
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 3 of 5

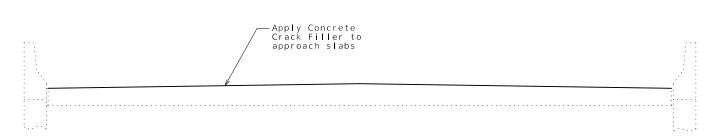




U.I.P. AND REHABILITATE EXISTING (92'-176'-92') CONTINUOUS COMPOSITE PLATE GIRDER SPANS

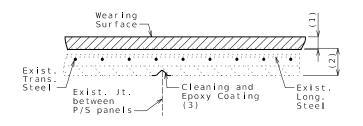


TYPICAL SECTION THRU EXISTING DECK



Supersedes: Mar. 2021

TYPICAL SECTION THRU EXISTING APPROACH SLAB



PRESTRESSED PANEL JOINT REPAIR
(TRANSVERSE SECTION SHOWN)

- (1) 1/4" minimum Epoxy-Urethane Polymer wearing surface with Healer Sealer
- (2) Original depth of deck
- (3) Remove all deteriorated concrete at transverse joint between prestressed panels and coat with epoxy.

Estimated Quantities		
I t em		Total
Removal of Loose Concrete from Precast Panel Joints	lump sum	1
Epoxy Urethane Polymer Wearing Surface w/ Healer/Sealer	sq. yard	1,638
Concrete Crack Filler	sq. yard	211
Cleaning and Epoxy Coating	sq. foot	150

* Wearing surface area includes slab and 16" up along the roadway face of barriers (13" vertical height) from end of slab to end of slab. The contractor shall exercise care to ensure spillage over joint edge is prevented and that a neat line is obtained along any terminating edge of the wearing surface.

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications Bridge Deck Rating = 6

Design Loading:

HS20 Modified (2002 & New Construction)

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

Lift sinking approach slabs at both ends of bridge (Roadway item).

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before ordering materials.

In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface at various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered in the contract unit price, including all additional labor, materials or equipment for variations in thickness of wearing surface.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

TMOTHY D. LEAF CONT.

SON AL ENGINEER THOO THE PREPARED DATE PREPARED TO 9/2024

10/9/2024

ROUTE STATE
65 MO

DISTRICT SHEET NO
BR 1

JOB NO.
JSR0053
CONTRACT ID.

PROJECT NO.

BRIDGE NO. A69261

DATE DESCRIPTION

COMMISSION

COMMISSION

TODOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

REPAIRS TO BRIDGE: ROUTE 65 NB OVER BUSINESS 65

ROUTE 65 NB FROM ROUTE 265 TO ROUTE 76 ABOUT 2.6 MILES SOUTH OF ROUTE 76 BEGINNING STATION 761+47.75± (Match Existing)

SEC/SUR 4 TWP 22N RGE 21W

TIMOTHY D.

NUMBER PE-2012000778

10/09/2024 12:04:17 PM TIMOTHY D. LEAF - CIVIL MO-PE-2012000778

10/9/2024

TANEY

JOB NO.
JSR0053
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
A76851

MO

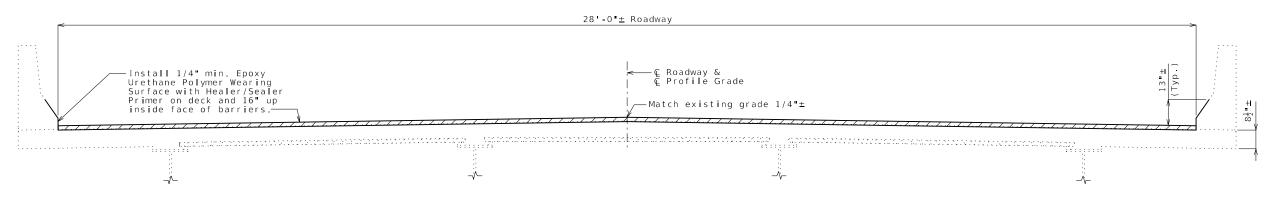
SHEET NO

1

76

BR

U.I.P. AND REHABILITATE EXISTING (106'-106'-106') PRESTRESSED CONCRETE NU GIRDER SPANS (195'-195') CONTINUOUS COMPOSITE PLATE GIRDER SPANS (75') PRESTRESSED CONCRETE I-GIRDER SPAN (SKEW: VARIES)



TYPICAL SECTION THRU EXISTING DECK

Steel girders shown, prestressed girders similar.

	Estimated Quantities	
	I t em	Total
*	Epoxy Urethane Polymer Wearing Surface w/ Healer/Sealer sq. yard	2,680

* Wearing surface area includes slab and 16" up along the roadway face of barriers (13" vertical height) from end of slab to end of slab. The contractor shall exercise care to ensure spillage over joint edge is prevented and that a neat line is obtained along any terminating edge of the wearing surface.

General Notes:

Design Specifications:

2020 AASHTO LFRD Bridge Design Specifications (9th Ed.)

Bridge Deck Rating = 7

Design Loading:

HL-93 (2007 AASHTO LRFD 4th Edition and 2008 Interims)

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Traffic Handling:

Structure to be closed during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE: BRANSON LANDING BLVD OVER WHITE RIVER

BRANSON LANDING BLVD FROM ROUTE 65 TO ROUTE 76/ BUISINESS 65 ABOUT 1.6 MILES SOUTHEAST OF ROUTE 65 BEGINNING STATION 651+90.25± (Match Existing)

DESIGN DESIGNATION

A.A.D.T. - 2023 = 13631 T = 1.7%V = 35 M.P.H.

FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS

	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	0000	••••
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FO OTV UTV - OT - UT - OT - UT - OE - UE - SS - OE - UE - SS - OE - OE - OE - OE - OE - OE - O	-OTV- -UTV- -OT- -UT-
MANHOLE	D _{MAC}	\ni
FIRE HYDRANT	wv]
WATER VALVE	wr ₄ C)
WATER METER	D)
DROP INLET	Ï	
DITCH BLOCK	=	₽
GROUND MOUNTED SIGN	SIGN	_
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	> BM	/ K
BENCHMARK	6	<u>)</u>

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

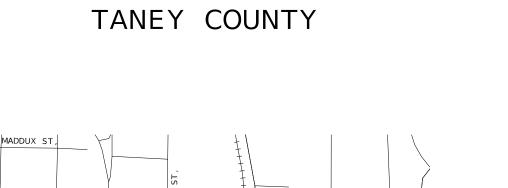
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

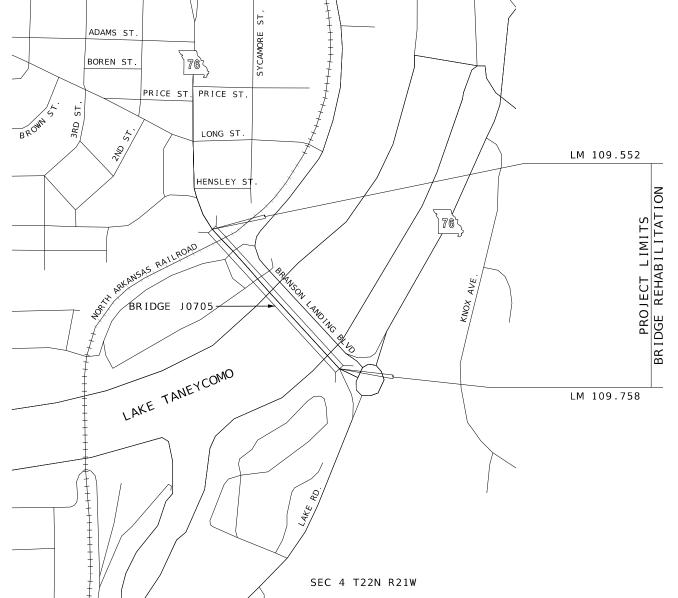
PLANS FOR PROPOSED STATE HIGHWAY



LOCATION OF TANEY COUNTY

NOT TO SCALE



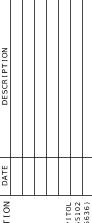


THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBE
TITLE SHEET	1
QUANTITIES (QU) (2 SHEETS)	3
TRAFFIC CONTROL SHEETS (TC)	4 - 8
SIGNING (SN)	9-10
BRIDGE DRAWINGS (B)	
J0705	1 - 2

FE-2023037997						
	DATE					
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	JSF					
	CONTRACT ID.					
PROJECT NO.						
BRIDGE NO.						
BRIDGE NO.						
	1 1			ı	ı	ı I



LENGTH OF PROJECT

BEGINNING OF PROJECT LM 109.552 END OF PROJECT LM 109.758 1087.68 FEET APPARENT LENGTH

EQUATIONS AND EXCEPTIONS:



TOTAL CORRECTIONS 0 FEET NET LENGTH OF PROJECT 1087.68 FEET STATE LENGTH 0.206 MILES FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES 0 ACRES



PAVEMENT MARKING REMOVAL								
					PAINT			
ROUTE	LOG MILE	то	LOG MILE	LOCATION	LF	REMARKS		
MO 76	109.552	-	109.758	RT & LT	4360.0	BRIDGE J0705		
				TOTAL	4360			

PAVEMENT MARKING								
	WATERBORNE PAINT,							
					TYPE P BEADS			
					4" SOLID	4" SOLID		
					WHITE	YELLOW		
ROUTE	LOG MILE	то	LOG MILE	LOCATION	LF	LF	REMARKS	
76	109.552	-	109.758	RT & LT	2180.0	2180.0	BRIDGE J0705	
				TOTALS	2180	2180		

CONTRACTOR FURNISHED SURVEYING AND STAKING 1 LUMP SUM

> MOBILIZATION 1 LUMP SUM

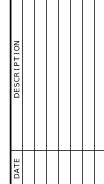
MOTE IN THE METERS OF T

ROUTE STATE
76 MO
DISTRICT SHEET NO.
SW 3

COUNTY TANEY JOB NO.
JSR0053D
CONTRACT ID.

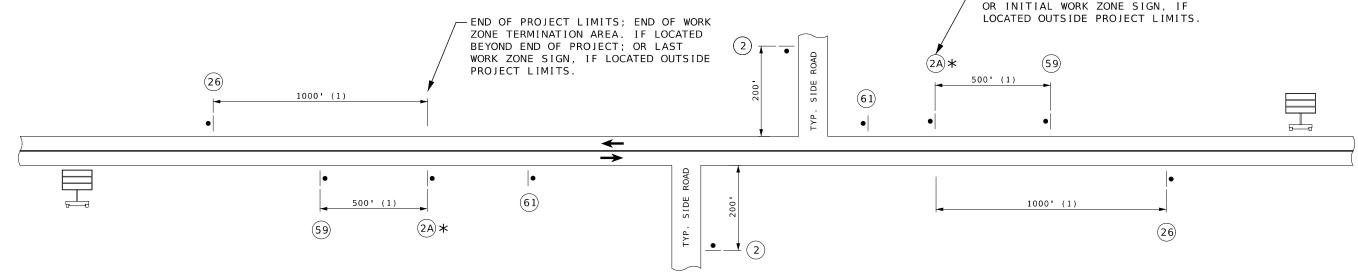
PROJECT NO.

BRIDGE NO.



					EFFECTIVE: 07-01-2024	WIND OF MANY
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SIGN IN SQ.FT EACH SQ.FT EACH SQ.FT		SIGN IN SQ FT EACH SQ FT EACH SQ FT	'	ITEM TOTAL		RICHART NUMBER
WARNING SIGNS	DESCRIPTION	GUIDE SIGNS	DESCRIPTION	NUMBER QTY	DESCRIPTION	PE-2023037997
WO1-1L 48X48 16.00	TURN (SYMBOL LEFT)	E05-1 36X48 12.00	GORE EXIT	6122008	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	THE SOUND ENGINE
WO1-12 48X48 16.00	TURN (SYMBOL RIGHT)	E05-2 48X36 12.00	EXIT OPEN	6122009	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	WAL LINE
WO1-2L 48X48 16.00	CURVE (SYMBOL LEFT)	E05-2a 48X36 12.00	EXIT CLOSED	6122010	IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	Karer J. Kichart
WO1-2R 48X48 16.00	CURVE (SYMBOL RIGHT)	GO20-1 60X24 10.00 2 20	ROAD WORK NEXT XX MILES	6122012	IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	09/27/2024 12:10:17 PM KARA JEAN RICHART - CIVI MO-PE-2023037997
WO1-3L 48X48 16.00	REVERSE TURN (SYMBOL LEFT)	GO20-2 48X24 8.00 2 16	END ROAD WORK	6122014	IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	DATE PREPARED
WO1-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT)	GO20-4 36X18 4.50	PILOT CAR FOLLOW ME	6122017	IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	9/26/2024
WO1-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT)	GO20-4a 42X30 8.75	PILOT CAR IN USE WAIT & FOLLOW	6122019	IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	ROUTE STAT
WO1-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT)	GO20-4a 18X12 1.50	PILOT CAR IN USE WAIT & FOLLOW	6122020	REPLACEMENT SAND BARREL	76 MC
WO1-4bL 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP 36X24 6.00	WORK ZONE (PLAQUE)	6122030	IMPACT ATTENUATOR (RELOCATION)	SW 3
WO1-4bR 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a 24X18 3.00 2 6	END DETOUR	6123001	TRUCK MOUNTED ATTENUATOR (TMA)	COUNTY
WO1-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L 48X36 12.00	DETOUR (LEFT)	6161008	ADVANCED WARNING RAIL SYSTEM	TANEY
WO1-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R 48X36 12.00	DETOUR (RIGHT)	6161012	BUOYS (BOATS KEEP OUT)	JOB NO.
WO1-6 60X30 12.50	HORIZONTAL ARROW (SYMBOL)	MO4-9P 48X12 4.00	STREET NAME (PLAQUE)	6161013	BUOYS (NO WAKE)	JSR0053D
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)	CONTRACT ID.
WO1-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R 48X18 6.00	DETOUR ARROW (RIGHT)	6161025	CHANNELIZER (TRIM LINE)	1
WO1-7a 72X36 18.00	DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS	-	6161030 16	TYPE III MOVEABLE BARRICADE	PROJECT NO.
WO1-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1 48X48 13.25	STOP	6161033	DIRECTION INDICATOR BARRICADE	DD IDCE NO
WO1-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI 6.93	YIELD	6161040	FLASHING ARROW PANEL	BRIDGE NO.
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	YIELD AHEAD (SYMBOL)	R1-3P 30X12 2.50	ALL WAY (PLAQUE)	6161055	SEQUENTIAL FLASHING WARNING LIGHT	
WO3-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)	R2-1 36X48 12.00	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)		CHANGEABLE MESSAGE SIGN,	.
WO4-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-3 36X36 9.00	NO TURNS	6161096	COMMISSION FURNISHED/RETAINED	
WO4-1R 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.00	NO U-TURN (SYMBOL)		CHANGEABLE MESSAGE SIGN W/O COMM.	,
WO4-1aL 48X48 16.00	MERGE (LEFT)	R3-7L 30X30 6.25	LEFT LANE MUST TURN LEFT	6161098A	INTERFACE - CONTRACTOR FURNISHED/RETAINED	
WO4-1aR 48X48 16.00	MERGE (RIGHT)	R3-7R 30X30 6.25	RIGHT LANE MUST TURN RIGHT		CHANGEABLE MESSAGE SIGN WITH COMM.	
WO5-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R4-1 36X48 12.00	DO NOT PASS	6161099 6	INTERFACE - CONTRACTOR FURNISHED/RETAINED	,
WO5-3 48X48 16.00	ONE LANE BRIDGE	R4-2 36X48 12.00	PASS WITH CARE	6162000A	WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO5-5 48X48 16.00	NARROW LANES	R4-7a 36X48 12.00	KEEP RIGHT (HORIZONTAL ARROW)	6162002	TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-8a 36X48 12.00	KEEP LEFT (HORIZONTAL ARROW)		TEMPORARY TRAFFIC BARRIER	
WO6-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)	R5-1 30X30 6.25	DO NOT ENTER	6173600D 70	CONTRACTOR FURNISHED/RETAINED	
WO6-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1a 36X24 6.00	WRONG WAY		TEMPORARY TRAFFIC BARRIER	. بر برا ،
WO7-3a 30X24 5.00	NEXT XX MILES (PLAQUE)	R6-1L 54X18 6.75	ONE WAY ARROW (LEFT)	6173602B	CONTRACTOR FURNISHED/COMMISSION RETAINED	, [4]
WO8-1 48X48 16.00	BUMP	R6-1R 54X18 6.75	ONE WAY ARROW (RIGHT)	6174000A	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8-2 48X48 16.00	DIP	R6-2L 24X30 5.00	ONE WAY (LEFT)	6175010A	RELOCATING TEMPORARY TRAFFIC BARRIER	, Z _
WO8-3 48X48 16.00	PAVEMENT ENDS	R6-2R 24X30 5.00	ONE WAY (RIGHT)	1	TEMPORARY TRAFFIC BARRIER	, 2
WO8-4 48X48 16.00	SOFT SHOULDER	R9-9 24X12 2.00 2 4	SIDEWALK CLOSED	6176000B	COMMISSION FURNISHED/RETAINED	RTATION T CAPITOL
WO8-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)	<u> </u>	SIDEWALK CLOSED AHEAD,		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	, []
WO8-6 48X48 16.00	TRUCK CROSSING	R9-11L 24X18 3.00	(ARROW LEFT) CROSS HERE	6177000B	COMMISSION FURNISHED/RETAINED	PO ES
WO8-6c 48X48 16.00	TRUCK ENTRANCE	_	SIDEWALK CLOSED AHEAD,	6208064A	TEMPORARY RAISED PAVEMENT MARKER	SZ ≥
WO8-7 36X36 9.00	LOOSE GRAVEL	R9-11R 24X18 3.00	(ARROW RIGHT) CROSS HERE	9029400	TEMPORARY TRAFFIC SIGNALS	TRANS
WO8-7a 36X36 9.00	FRESH OIL / LOOSE GRAVEL	R10-6 24X36 6.00	STOP HERE ON RED (45^ ARROW)	9029401	TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-9 48X48 16.00	LOW SHOULDER	R11-2 48X30 10.00 2 20	ROAD CLOSED	6169902 2	ADA COMPLIANT MOVEABLE BARRICADE	ND SIG
WO8-11 48X48 16.00	UNEVEN LANES	4	ROAD CLOSED 0.5 MILES AHEAD			I Si L
WO8-12 48X48 16.00	NO CENTER LINE	R11-3a 60X30 12.50 2 25	LOCAL TRAFFIC ONLY	1		S ₹ C
WO8-15 48X48 16.00	GROOVED PAVEMENT	R11-4 60X30 12.50 1 12.5	ROAD CLOSED TO THRU TRAFFIC	11		[§ 8 ()3]
W08-15P 30X24 5.00	MOTORCYCLE (PLAQUE)	CONST - 3A 60X48 20.00	FINE SIGN	11		. 5 × \
WO8-17L 48X48 16.00	SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-3X 56X12 4.67	SPEEDING/PASSING (PLATE)	ш		
W08-17R 48X48 16.00	SHOULDER DROP-OFF (SYMBOL RIGHT)	MISCELLANEOUS SIGNS		4		
W08-17P 30X24 5.00	SHOULDER DROP-OFF (PLAQUE)	CONST-5 48X36 12.00	POINT OF PRESENCE	4		
W10-1 42RND. 9.62	RAILROAD CROSSING	CONST-5 96X48 32.00	POINT OF PRESENCE	4		S
W012-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-8 48X36 12.00 2 24	WORK ZONE NO PHONE ZONE	4		1 S:
W012-2 48X48 16.00	LOW CLEARANCE (SYMBOL)	M4-11 36x78 19.50 22 429	STACKED DETOUR SIGN	4		Σ
W012-2x 24X18 3.00	LOW CLEARANCE (PLAQUE)	M04-13 96X48 32 00 1 12	76 CLOSED 1.5 MILES AHEAD	4		
WO12-2a 84X24 14.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	M04-13 96X48 32.00 1 32	76 CLOSED 3 MILES AHEAD	4		
W012-4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD	1		4		
W012-5 120X60 50.00	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	1		4		
W013-1 30X30 6.25	ADVISORY SPEED (PLAQUE)	1		4		
W016-2 30X24 5.00	XXX FEET (PLAQUE)	1		4		
W016-3 30X24 5.00	X MILE (PLAQUE)	1		4		
W020-1 48X48 16.00 4 64	ROAD/BRIDGE/RAMP WORK AHEAD	1		4		
W020-2 48X48 16.00 3 48	DETOUR AHEAD	1 616 10 05		1		
W020-3 48X48 16.00 4 64	ROAD CLOSED AHEAD	616-10.05 TOTAL				
WO20-4 48X48 16.00	ONE LANE ROAD AHEAD	CONSTRUCTION SIGNS 777				
WO20-5 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10.10 TOTAL				
WO20-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANE CLOSED AHEAD	RELOCATED SIGNS 0				
WO20-6a 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED	-				
WO20-7a 48X48 16.00	FLAGGER (SYMBOL)	4				
W021-2 36X36 9.00	FRESH OIL	4				
WO21-5 48X48 16.00	SHOULDER WORK / SHOULDER WORK AHEAD	4				
WO22-1 48X48 16.00	BLASTING ZONE AHEAD	4				
W022-2 42X36 10.50	TURN OFF 2-WAY RADIO AND PHONE	4				
WO22-2 42X36 10.50 WO22-3 42X36 10.50 GO22-1 21X15 2.19	TURN OFF 2-WAY RADIO AND PHONE END BLASTING ZONE WET PAINT (ARROW PIVOTS)	_			SUMMARY OF QUANTITIES SHEET 2 OF 2	S

REVISED: 4/10/2024 1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED 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 SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER. REFER TO STANDARD DRAWING 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS. 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. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL. ALL SIGNS 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. 76 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. SW 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. BEGINNING OF PROJECT LIMITS; OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS. END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA. IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE (59) (2A)* PROJECT LIMITS. 500' (1)

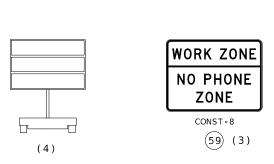


(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) 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.

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

(4) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.

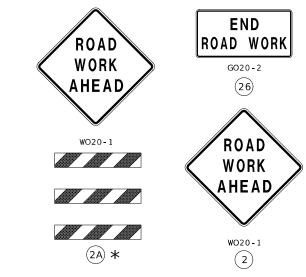


TYPICAL BEGINNING AND END OF PROJECT (UNDIVIDED HIGHWAY)

ROAD WORK

NEXT 1 MILES

GO20-1



★SIGN 2A WITH AWRS MUST BE GROUND OR SKID MOUNTED.





CONST-5-96 SH-FLAT SHEET;
3.000" Radius, 1.000" Border, White on, Blue;
"Bridge", D; "Improvements", D; "Summer 2025", D 90% spacing;
Table of letter and object lefts

L	6.000	13.750	18.750	22,125	28.625	35.250						
	l 6.000	m 10.000	p 20.125	r 26.625	o 31.000	v 37.000	e 43.750	m 50.250	e 59.875	n 66.500	t 72.875	s 77.625
	6.000	S 33.750	u 39.250	m 44.375	m 51.750	e 58.875	r 63.625	2 71.375	0 76.500	2 81.625	5 87.000	

NOT TO SCALE
TRAFFIC CONTROL
SHEET 1 OF 5

AGAA JEAN
RICHART
NUMBER
PE-2023037997

AGAA JEAN
RICHART
NUMBER
PE-2023037997

DATE PREPARED
10/15/2024

ROUTE
76
MO
DISTRICT SHEET NO.
SW
4

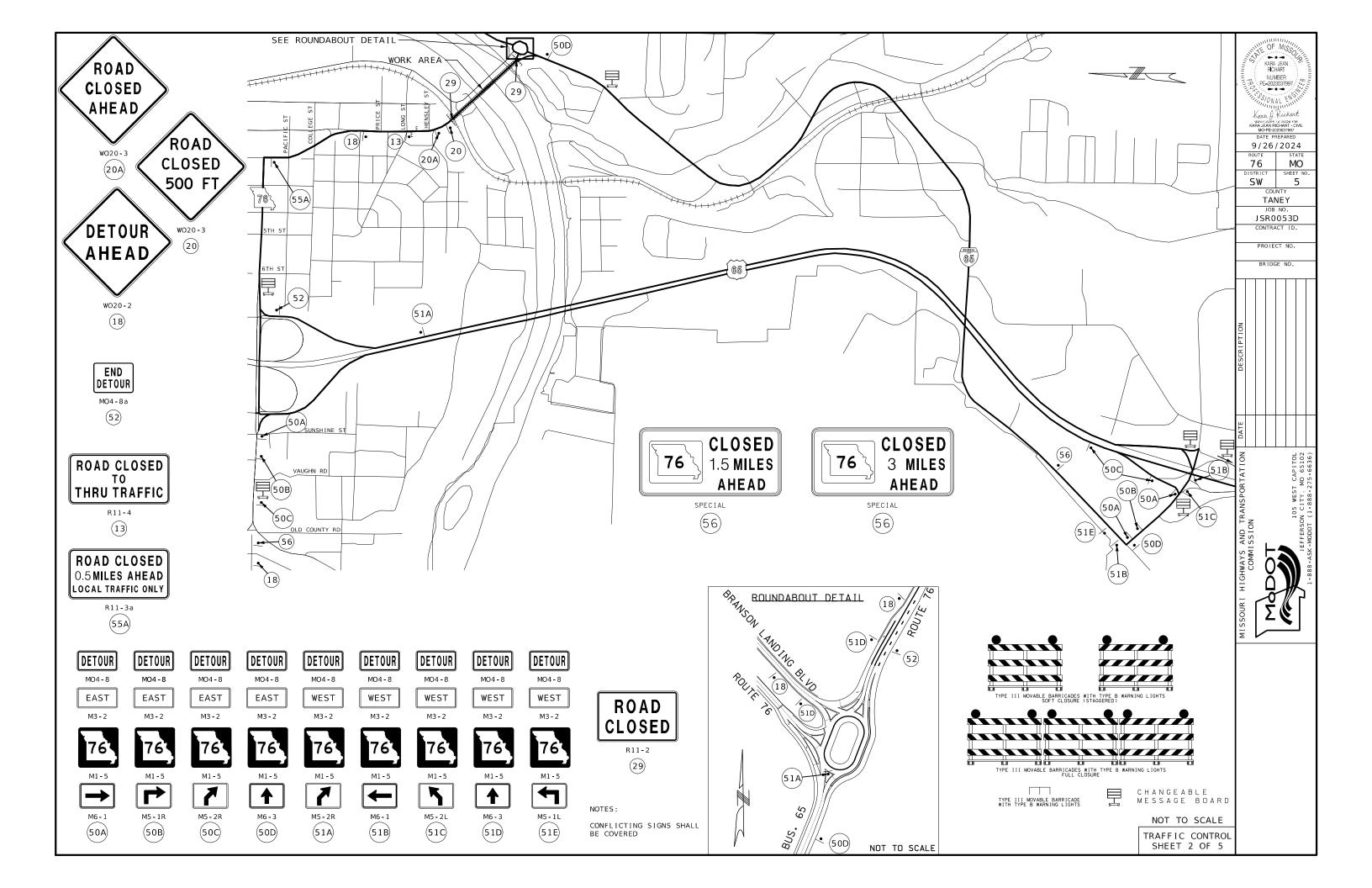
COUNTY
TANEY
JOB NO.
J SR 0 0 5 3D
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

| PORTATION | DATE | DESCRIPTION | DATE | DESCRIPTION | PREST CAPITOL | PREST





TYPICAL CLOSURE OF EXISTING BRIDGES OR NON-TRAVERSABLE ROADS

SPEED	SIGN SPACING (FT.)		TAPER LENGTH (FT.)		OPTIONAL	CHANNELIZER S	SPACING (FT.)
NORMAL	UNDIVIDED	DIVIDED	SHOULDER	LANE	BUFFER	TAPERS	BUFFER/
POSTED					LENGTH (FT.)		WORK AREAS
(MPH)	(S)	(S)	(T1)	(T2)	(B)		
0-35	200	200	I	_	250	_	I
40-45	350	500		_	360	_	-
50-55	500	1000	-	_	495	_	_
		SA - 1000					
60-70	1000	SB - 1500	_	_	730	_	_
		SC - 2640					

TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MI.
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MI.

KARA JEAN RICHART

NUMBER

Kara J. Richart

9/26/2024

JOB NO.
JSR0053D
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MO SHEET NO

6

76

SW

TRAFFIC CONTROL SHEET 3 OF 5

REFER TO EPG 606.1.3.5 CLOSURES OF EXISTING STREETS, ROADS, AND BRIDGES OR NON-TRAVERSABLE ROADS FOR BRIDGE AND/OR ROAD CLOSURES DESIGNATED NON-TRAVERSABLE

- (1) THE ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY SIGN SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE SUPERVISOR, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE.
- (2) ADDITIONAL BARRICADES MAY BE USED AND OFFSET TO FACILITATE ACCESS FOR LOCAL TRAFFIC, ETC.
- (3) THE USE OF TYPE D GUARDRAIL AND TYPE 4 OBJECT MARKERS VERSUS TYPE III BARRICADES AND TEMPORARY CONCRETE TRAFFIC BARRIERS ARE DEPENDENT UPON THE DISTRICT/CENTRAL OFFICE REPLACEMENT SCHEDULE.

TRAFFIC CONTROL SHOULD BE REMOVED AS SOON AS PRACTICAL AFTER CONDITION FOR THE CLOSURE NO LONGER EXISTS.

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

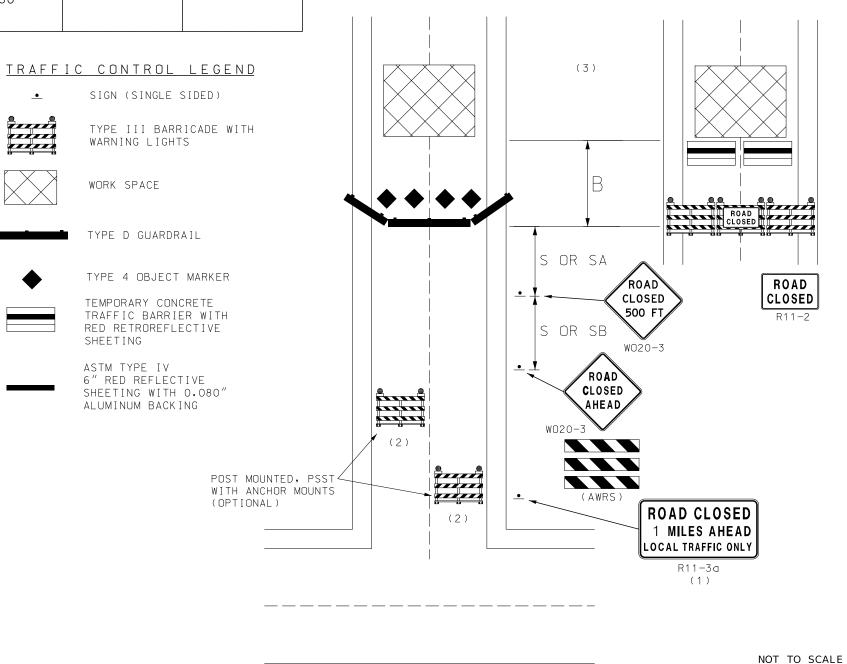
REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 606.00 GUARDRAIL TYPE D FOR GUARDRAIL AND POST-MOUNTED TYPE III BARRICADES.

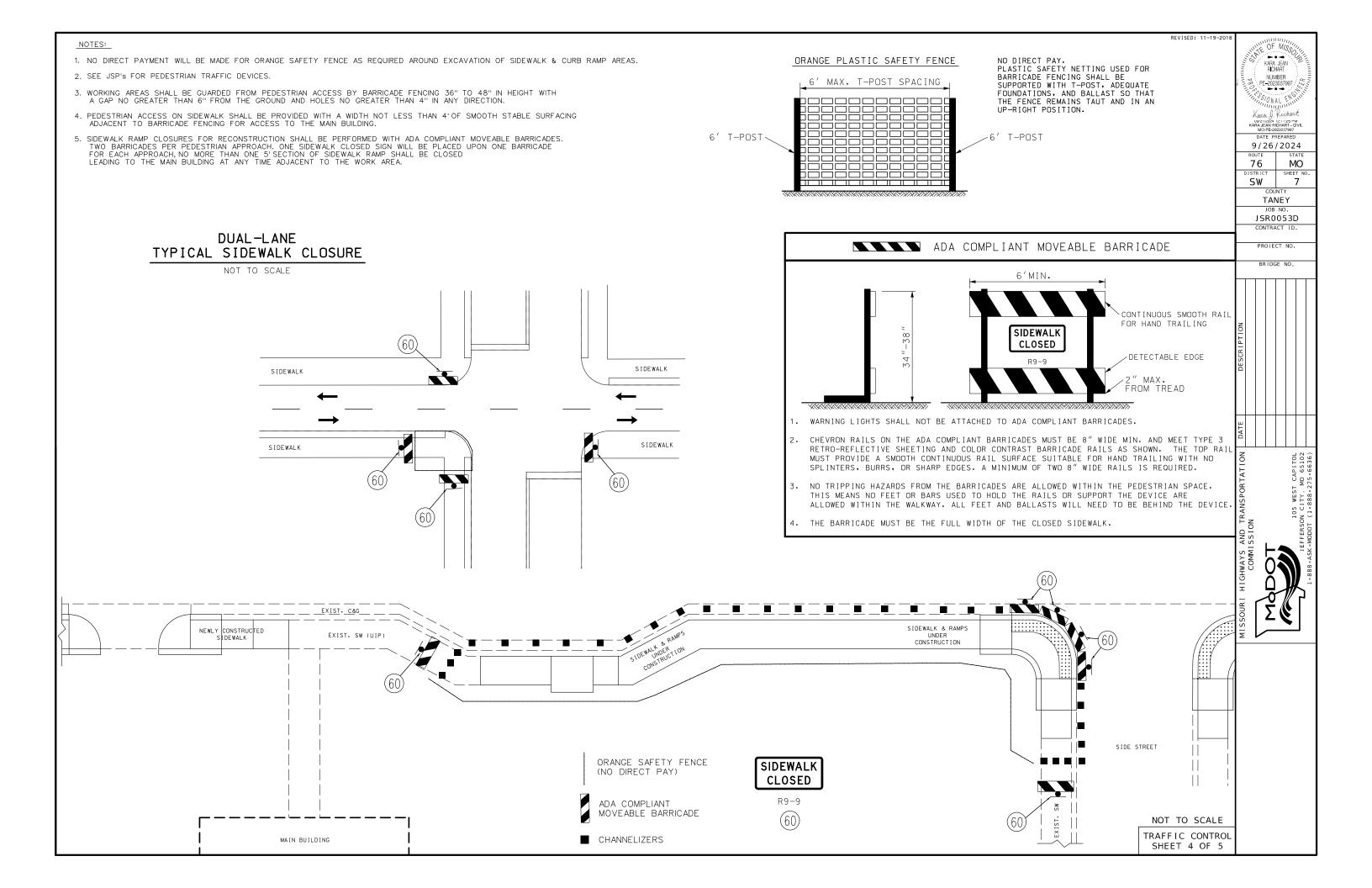
REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 616.10 TEMPORARY TRAFFIC CONTROL DEVICES FOR TYPE III BARRICADES.

REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 903.03 SIGN MOUNTING DETAILS DELINEATORS OBJECT MARKERS FOR TYPE 4 OBJECT MARKER.

REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 617.20 TEMPORARY CONCRETE TRAFFIC BARRIER FOR CONCRETE BARRIERS.

REFER TO STANDARD PLANS FOR HIGHWAY CONSTRUCTION 1042 HIGHWAY SIGN MATERIAL FOR 6-INCH WIDE, 10-12-FOOT LONG RED RETROFLECTIVE SHEETING.





NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCKS 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, OSCILLATING, OR STROBE LIGHTS.

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.

FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

- (1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD ARE MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.
- (2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.
- (3) REAR WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN, WHICHEVER IS GREATER.

OF MIGGO KARA JEAN NICHARI NUMBER PE-2023037997

MALE ENGLISHMENT OF THE PREPARED

9/26/2024

ROUTE STATE
76 MO

DISTRICT SHEET NO.

SW 8

COUNTY
TANEY
JOB NO.
JSR0053D

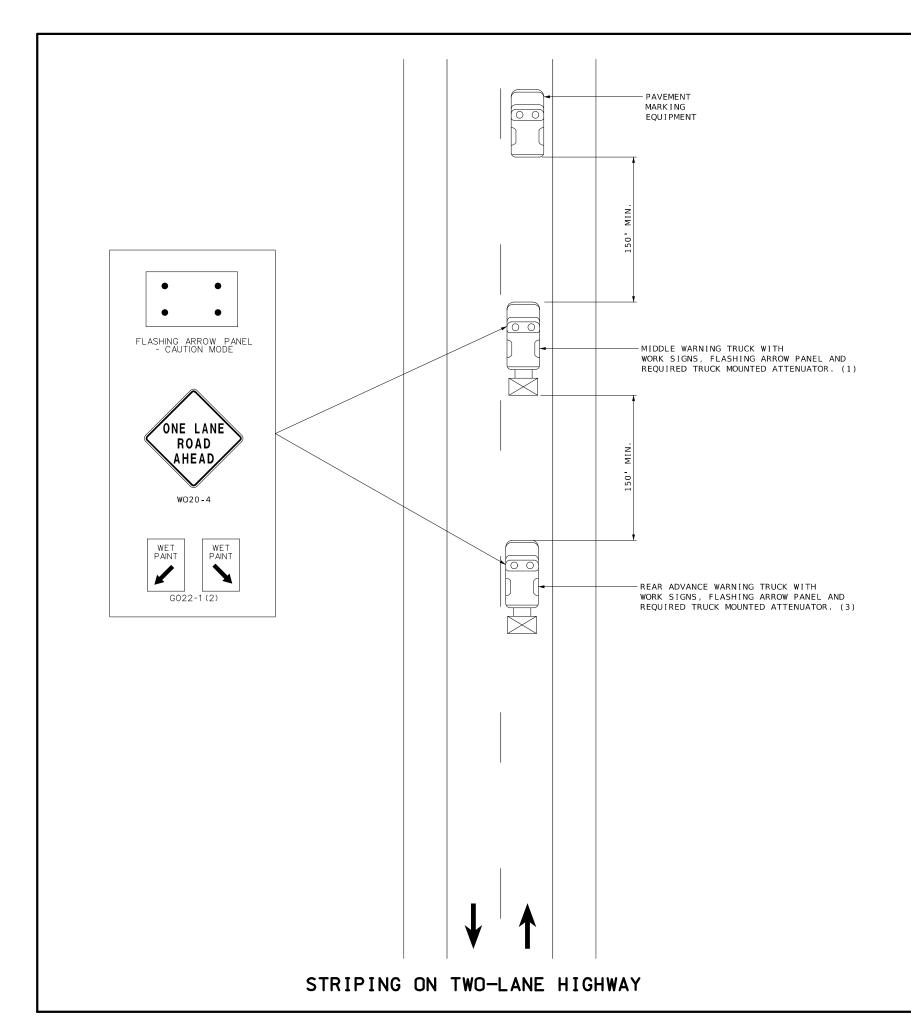
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE DESCRIPTION

OURI HIGHWAYS AND TRANSPORTATIO
COMMISSION
105 WEST CAPITO
LEFERSON CITY MO 6510



NOT TO SCALE

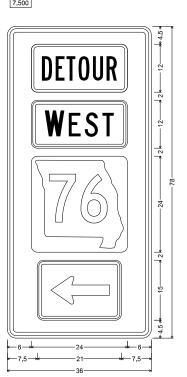
TRAFFIC CONTROL SHEET 5 OF 5



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts

Table (JI
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6.000	
6. 000	
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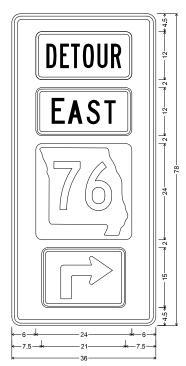
SIGN NO.	50A
STATION	
ROADWAY	
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MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts



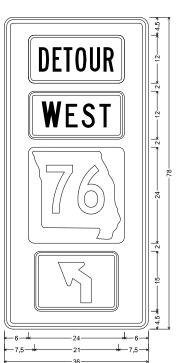
SIGN NO.	51B
STATION	
ROADWAY	



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts

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6.000	
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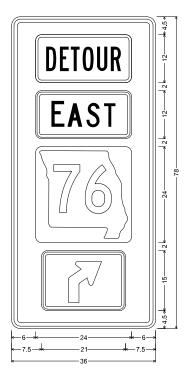
	SIGN NO.	50B
1	STATION	
	ROADWAY	
1		



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts



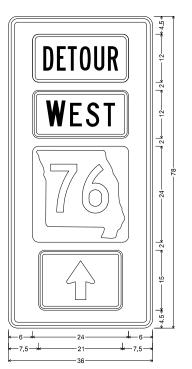
SIGN NO.	51C
STATION	
ROADWAY	



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts



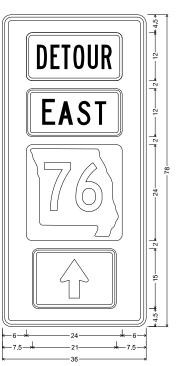
STATION	50C
ROADWAY	



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts



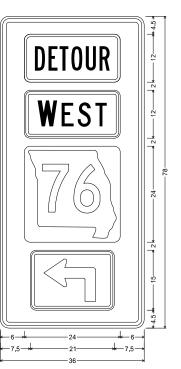
SIGN NO.	51D
STATION	
ROADWAY	



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts

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6.000	
6.000	
7.500	

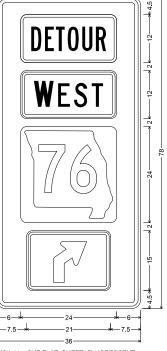
SIGN NO.	50D
STATION	
ROADWAY	



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts



_			
		SIGN NO.	51E
		STATION	
		ROADWAY	
	'		



MO4-11 SHF-FLAT SHEET FLUORESCENT; 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange; Table of letter and object lefts

6.000	
6.000	
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SIGN NO.	51A
STATION	
ROADWAY	

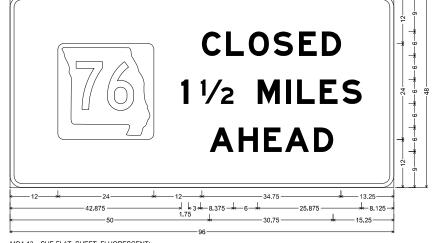
MARA JEAN
RICHART
NUMBER
RPE-2023037997

DATE PREPARED
9/27/2024
ROUTE
76
MO
DISTRICT SHEET NO.
SW 9

COUNTY
TANEY
JOB NO.
J SR 0 0 5 3D
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

MISSOURI HIGHWAYS AND
COMMISSIO

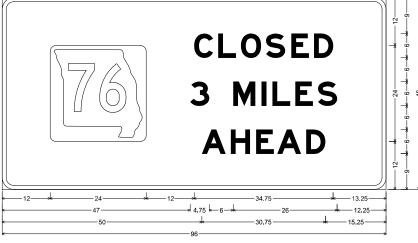
SIGNING SHEET SHEET 1 OF 2



MO4-13 SHF-FLAT SHEET FLUORESCENT; 3.000" Radius, 1.000" Border, Black on, Orange; "CLOSED", E Mod; "1 ½ MILES", E Mod; "AHEAD", E Mod; Table of letter and object lefts

Table of letter and object letts						
12.000	C 48.000	L 54.000	o 59.750	S 66.000	E 72.250	D 78.000
1 42.875	1/2 47.625	M 62.000	69.000	L 71.750	E 77.500	S 83.125
A 50.000	H 57.125	E 63.500	A 68.750	D 76.000		

SIGN NO.	56
STATION	
ROADWAY	



MO4-13 SHF-FLAT SHEET FLUORESCENT; 3.000" Radius, 1.000" Border, Black on, Orange; "CLOSED", E Mod; "3 MILES", E Mod; "AHEAD", E Mod; Table E0f letter and object lefts

<u> </u>						
12.000	C 48.000	L 54.000	o 59.750	S 66.000	E 72.250	D 78.000
3 47.000	M 57.750	64.875	L 67.625	E 73.250	S 79.000	
A 50.000	H 57.125	E 63.500	A 68.750	D 76.000		

SIGN NO.	56
STATION	
ROADWAY	

KARA JEAN RICHART NUMBER E-202303799 9/27/2024 76 MO SW 10 TANEY JSR0053D CONTRACT ID PROJECT NO. BRIDGE NO.

SIGNING SHEET SHEET 2 OF 2

OF MISS

---TED S. KOESTER

NUMBER PE-2013000591 15,05/ONAL E

9/27/2024

TANEY

LOB NO JSR0053D

CONTRACT ID.

PROJECT NO.

BRIDGE NO J07053

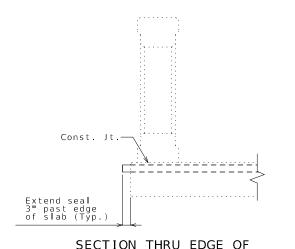
MO SHEET NO

1

76

BR

U.I.P. AND REHABILITATE EXISTING (55') PRESTRESSED I-GIRDER SPAN (5 @ 195') CONCRETE DECK WITH SPANDREL BEAMS ON OPEN SPANDREL CONCRETE ARCH SPANS (55') PRESTRESSED CONCRETE I-GIRDER SPAN (SKEW: SQUARE)

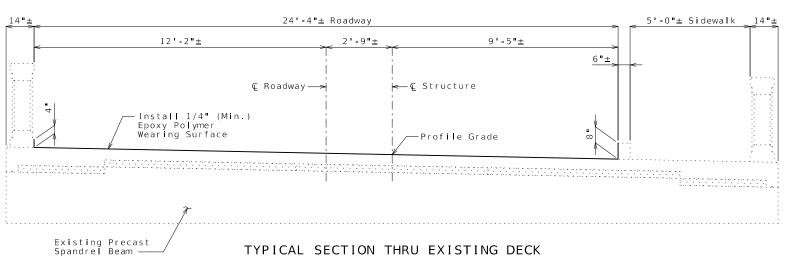


SLAB NEAR JOINT

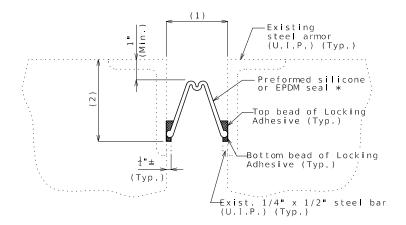
Preformed Silicone or EPDM Seal *

DETAIL OF SEAL

* Double hump seal shown in figure. Actual shape of seal may be double or single hump as per manufacturer.



(Spans (2-3) thru (6-7) shown, Spans (1-2) and (7-8) similar)



General Notes:

The seal shall be installed in joints in one continuous piece without field splices. Factory splicing will be permitted for joints in excess

The installation temperature shall be taken as the actual air temperature averaged over the 24 hour period immediately preceding installation.

- (1) Allowed installation gap (\pm) normal to joint at roadway surface (see table)
- (2) Installation depth (\pm) per manufacturer's

	Total			
linear foot	60			
sq. yard	3118			
sq. foot	113			
sq. foot	699			
Protective Coating - Concrete Bents and Piers (Epoxy) Iump sum				
Preformed Silicone or EPDM Expansion Joint Seal linear foot				
	sq. yard sq. foot sq. foot lump sum			

SECTION THRU JOINT AT INT. BENTS NO. 3 & 4

Allowed Transverse Preformed Silicone or EPDM Joint Seals (1) Allowed Installation Gap Normal to Joint at Roadway Surface at Air/Surface Temperature Movement Parallel Туре Manufacturer Used Seal Name Roadway @ 40°F @ 50°F @ 60°F @ 70°F Watson Bowman Acme Wabo (Preformed Silicone Joint Seal Wabo SPS-225 2" 1 5 " $2\frac{1}{4}$ " 21 " 17 " D S Brown (EPDM Joint Seal) 2 " 17 " 21 " 21 " 1층"

MoDOT Construction personnel will indicate the type of seal used.

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications Bridge Deck Rating = 7

Design Loading:

HS20-44 Modified (New Construction)

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface

Outline of existing work is indicated by light dashed lines. Heavy lines indicate

Polymer and aggregate shall be applied to bridge deck, 4" up baluster and 8" up curb. Aggregate shall be light colored.

The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any terminating edge of the polymer wearing surface.

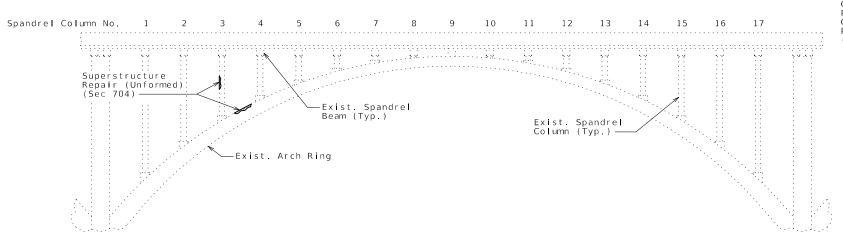
Traffic Handling:

Structure to be closed during construction. Traffic to be maintained on other routes during construction. See roadway plans for traffic control.

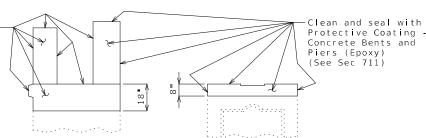
REPAIRS TO BRIDGE: ROUTE 76 OVER LAKE TANEYCOMO (WHITE RIVER) & MNA RR

ROUTE 76 FROM ROUTE 65 TO ROUTE J ABOUT 1.1 MILES EAST OF ROUTE 65 BEGINNING STATION 648+68.92± (Match Existing)

Detailed Sept. 2024 Checked Sept. 2024



Clean and seal with Protective Coating -Concrete Bents and Piers (Epoxy) (See Sec 711)

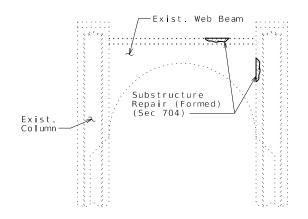


Piers No. 3 thru 6

TYPICAL SECTION THRU

Piers No. 2 & 7

PIERS NO. 2 THRU 7 SHOWING PROTECTIVE COATING



TYPICAL PIER SHOWING SUBSTRUCTURE REPAIR

(Piers No. 3 thru 6 shown, Piers No. 2 & 7 similar)

Table of Substructure Repair								
Bent No.	Location (Looking ahead station)	Substructure Repair (sq. ft.)						
2	Left Column	10						
3	Left Column	20						
3	Web Beam	3						
4	Right Column	10						
4	Web Beam	15						
5	Left Column	10						
5	Right Column	10						
6	Right Column	20						
7	Left Column	5						
7	Web Beam	10						

TYPICAL ELEVATION SHOWING SUPERSTRUCTURE REPAIR

(Spans (3-4) thru (6-7) shown, Span (2-3) similar)

	Table of Superstructure Repair								
Span	Location (Looking ahead station)	Superstructure Repair (sq. ft.)	Span	Location (Looking ahead station)	Superstructure Repair (sq. ft.)	Span	Location (Looking ahead station)	Superstructure Repair (sq. ft.)	
(2-3)	Left Spandrel Column No. 3	15	(3-4)	Left Spandrel Column No. 17	2	(5-6)	Left Arch Ring Edge at Spandrel Column No. 7	4	
(2-3)	Left Spandrel Column No. 12	3	(4-5)	Right Spandrel Column No. 1	6	(5-6)	Left Arch Ring Edge at Spandrel Column No. 8	6	
(2-3)	Left Arch Ring Edge at Spandrel Column No. 12	3	(4-5)	Left Spandrel Column No. 2	12	(5-6)	Right Arch Ring Edge at Spandrel Column No. 8	15	
(2-3)	Left Spandrel Column No. 13	15	(4-5)	Left Spandrel Column No. 3	35 *	(5-6)	Left Arch Ring Edge at Spandrel Column No. 11	4	
(2-3)	Left Spandrel Column No. 14	25	(4-5)	Left Spandrel Column No. 4	8	(5-6)	Right Arch Ring Edge at Spandrel Column No. 11	3	
(2-3)	Left Spandrel Column No. 15	25	(4-5)	Left Spandrel Column No. 5	11	(5-6)	Left Arch Ring Edge at Spandrel Column No. 13	4	
(2-3)	Left Spandrel Column No. 16	15	(4-5)	Right Spandrel Column No. 5	2	(5-6)	Left Spandrel Column No. 14	6	
(2-3)	Left Spandrel Column No. 17	25	(4-5)	Left Spandrel Column No. 6	6	(5-6)	Right Spandrel Column No. 14	10	
(3-4)	Left Spandrel Column No. 2	24	(4-5)	Right Spandrel Column No. 6	4	(5-6)	Left Spandrel Column No. 16	8	
(3-4)	Left Spandrel Column No. 3	25 *	(4-5)	Left Spandrel Column No. 12	2	(6-7)	Right Spandrel Column No. 1	4	
(3-4)	Left Spandrel Column No. 4	12	(4-5)	Right Spandrel Column No. 12	5	(6-7)	Right Spandrel Column No. 2	6	
(3-4)	Right Spandrel Column No. 5	4	(4-5)	Left Spandrel Column No. 13	10	(6-7)	Left Spandrel Column No. 3	2	
(3-4)	Left Spandrel Column No. 6	15	(4-5)	Left Spandrel Column No. 15	20	(6-7)	Left Spandrel Column No. 4	7	
(3-4)	Right Spandrel Column No. 6	1	(4-5)	Right Spandrel Column No. 15	23 *	(6-7)	Right Spandrel Column No. 4	3	
(3-4)	Left Arch Ring Edge at Spandrel Column No. 9	23 *	(4-5)	Right Spandrel Column No. 17	2	(6-7)	Left Spandrel Column No. 5	5	
(3-4)	Left Spandrel Column No. 12	30	(5-6)	Right Arch Ring Edge at Spandrel Column No. 2	2	(6-7)	Right Arch Ring Edge at Spandrel Column No. 8	17 *	
(3-4)	Right Spandrel Column No. 12	6	(5-6)	Right Spandrel Column No. 2	8	(6-7)	Right Arch Ring Edge at Spandrel Column No. 11	2	
(3-4)	Left Spandrel Column No. 13	50	(5-6)	Left Spandrel Column No. 3	15	(6-7)	Left Spandrel Column No. 13	2	
(3-4)	Right Spandrel Column No. 13	8	(5-6)	Right Spandrel Column No. 5	15	(6-7)	Left Spandrel Column No. 14	2	
(3-4)	Left Spandrel Column No. 14	10	(5-6)	Right Arch Ring Edge at Spandrel Column No. 6	4	(6-7)	Left Spandrel Column No. 15	3	
(3-4)	Left Spandrel Column No. 15	20	(5-6)	Left Spandrel Column No. 6	5	(6-7)	Left Spandrel Column No. 16	7	
(3-4)	Right Spandrel Column No. 15	10	(5-6)	Right Spandrel Column No. 6	5	(6-7)	Left Spandrel Column No. 17	5	

* Deep Repair

Detailed Sept. 2024 Checked Sept. 2024

TED S. KOESTER NUMBER PE-2013000591 TESSIONAL EN

9/27/2024 76 MO SHEET NO BR 2

TANEY JOB NO. JSR0053D

CONTRACT ID.

PROJECT NO.

BRIDGE NO J07053