DESIGN DESIGNATION

A.A.D.T. -2022 = 2755A.A.D.T. -2042 = 3300

> T = 18.4%V = 30 M.P.H.

FUNCTIONAL CLASSIFICATION- INTERSTATE

RIGHT OF WAY ACQUISITION NOT REQUIRED FOR THIS PROJECT

CONVENTIONAL SYMBOLS

	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER	0000	••••
LOCATION SURVEY MARKER UTILITIES	0	O
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- F0- -OTV- -UTV- - OT- - UT- - OE- - UE- - S- - SS- - G-	-F0 -0TV -UTV -0T -UT -0E -S -SS -6
MANHOLE	SAN)
FIRE HYDRANT	нүр]
WATER VALVE	wv_t	€
WATER METER	ww ⊕)
DROP INLET		
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	-
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE	PED Z	7
CHAIN LINK WOVEN WIRE GATE POST	——\ ——> D	<u>.</u>

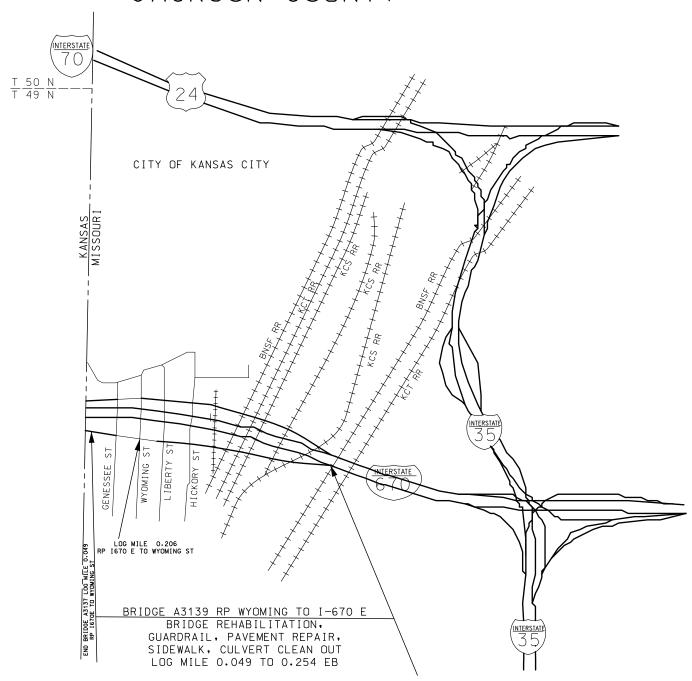
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

BENCHMARK

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

JACKSON COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEET)	2
QUANTITIES (QU) (4 SHEETS)	3
PLAN SHEETS (PL)	4
TRAFFIC CONTROL SHEETS (TC)	5-7
EROSION CONTROL SHEETS (EC)	8
SIGNING (SN)	9

ALLAN LEFFREY LUDIKER NUMBER PE-2002003198 THIS SHEET HAS BEEN SIGNED, SEALED AND DATED EECTRONICALLY.								
TISSION	AL ENGITE							
THIS SHEET SIGNED, SEALE ELECTRO	T HAS BEEN ED AND DATED ONICALLY.							
	REPARED 2022							
ROUTE	STATE							
[-670	MO							
DISTRICT	SHEET NO.							
КC	1							
COU	INTY							
	KSON							
	NO.							
	3486							
CONTRA	ACT ID.							
PROJE	CT NO.							
	BRIDGE NO.							
A3′	139							

LENGTH OF PROJECT

BEGINNING OF PROJECT LOG MILE 0.049 SB
END OF PROJECT LOG MILE 0.254 EB

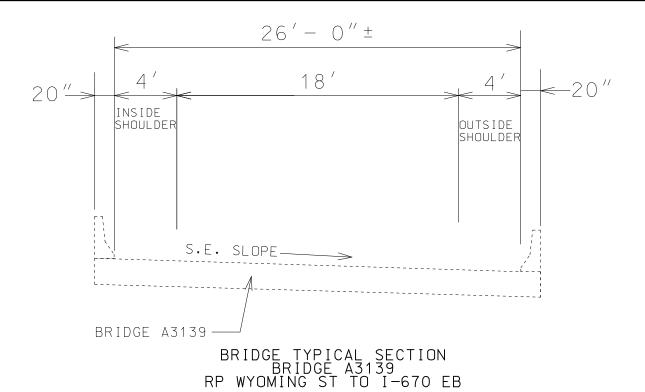
APPARENT LENGTH 2091 FEET

EQUATIONS AND EXCEPTIONS:



TOTAL CORRECTIONS	0	FEET
NET LENGTH OF PROJECT	2091	FEET
STATE LENGTH	0.396	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	ACRES	

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



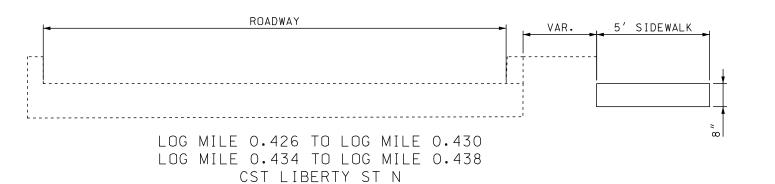


DETAILS FOR CONCRETE CURB AT GUARDRAIL END TERMINAL

MMITHIA	OF MISSING ALLAN JEFFREY LIDIKER NUMBER PEODOCOMBE STATE PREPARED 11/1/2022 ROUTE I — 670 MO DISTRICT SHEET NO. KC 2 COUNTY JACKSON JOB NO. J4 I 3 486 CONTRACT ID. PROJECT NO. BRIDGE NO. A3139								
I	DATE PREPARED 11/1/2022 ROUTE I—670 MD DISTRICT SHEET NO. KC 2 COUNTY								
	JACKSON JOB NO. J4I3486 CONTRACT ID. PROJECT NO. BRIDGE NO. A3139								
DESCRIPTION									
DATE									
AYS AND TRANSPORTATION	NOISSIMMC				105 WEST CAPITOL	JEFFERSON CITY, MD 65102	-ASK-MODOT (1-888-275-6636)		



LOG MILE 0.348 TO LOG MILE 0.384
CST WYOMING ST
LOG MILE 0.400 TO LOG MILE 0.426
LOG MILE 0.430 TO LOG MILE 0.434
LOG MILE 0.438 TO LOG MILE 0.469
CST LIBERTY ST N



11/1/2022 ROUTE STATE I —670 MO
DISTRICT SHEET NO
K C 2 JACKSON JOB NO.
J4[3486
CONTRACT ID. BRIDGE NO.

TYPICAL SHEET SHEET 2 OF 2

REMOVAL OF IMPROVEMENTS									
BEGINNING LOG	ITEM	QUANTITY	UNIT	COMMENTS					
0.022	GUARDRAIL	126.7	(FT)	RP WYOMING ST TO 1670 BRIDGE A3139 UPSTREAM RT					
0.022	GUARDRAIL	126.7	(FT)	RP WYOMING ST TO 1670 BRIDGE A3139 UPSTREAM LT					
	BRIDGE SLAB	65.2	(SY)	BRIDGE APPROACH SLAB					
VARIOUS	CONCRETE CURB	220.0	FT	ADJACENT TO FULL DEPTH PAVEMENT REPAIR					
VARIOUS	SIDEWALK WYOMING AND LIBERTY ST	281.9	(SY)	SIDEWALK REMOVAL					
0.132	DROP INLET COVER	1.0	(EA)	RP 1670 EB TO WYOMING ST					
VARIOUS	SIGNS REMOVAL	5.0	(EA)	SIGNS REMOVAL ON CONCRETE MEDIAN ISLAND					
0.459	CURB RAMP	16.7	(SY)	CURM RAMP TO W 13TH TERRACE ON LIBERTY ST					
0.367	CONCRETE BARRIER BLOCK	7.0	(EA)	UNDER THE BRIDGE ON WYOMING ST NON PERMITTED ENTRANCES					
0.204	CONCRETE MEDIAN ISLAND	17.7	(SY)	RP 1670E TO WYOMING ST S					
0.319	CONCRETE MEDIAN ISLAND	7.2	(SY)	RP 1670 W TO WWOMING ST N					
0.061	CONCRETE MEDIAN ISLAND	13.3	(SY)	RP 1670E TO WYOMING ST S					
0.072	CONCRETE MEDIAN ISLAND	11.6	(SY)	RP WYOMING ST TO 1670W					
0.141	CONCRETE MEDIAN ISLAND	16.2	(SY)	RP I670E TO WYOMING ST S					
0.022	SAW CUT	100.0	(FT)	SAW CUT 3" HEIGHT FOR CONCRETE CURB FOR GUARDRAIL END TERMINAL					
		LUMP SUM							

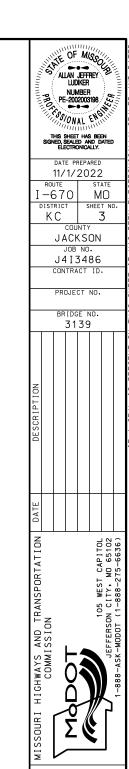
мов	ILIZ	ATION
1	LUMP	SUM

	GUARDRAIL										
BEGINNING	BEGINNING LOCATION MGS MGS BRIDGE APPROACH TYPE A CRASHWORTHY SHAPING COMMENTS										
		GUARDRAIL	TRANSITION	END TERMINAL	SLOPES						
			EXTENDED CURB	MASH	CLASS III						
LOG		(FT)	(EA)	(EA)	(STA)						
0.022	WY TO I670 RAMP LT	62.5	1.0	1.0	0.8	RP WYOMING ST TO 1670 BRIDGE A3139 UPSTREAM RT					
0.022	WY TO I670 RAMP RT	62.5	1.0	1.0	0.8	RP WYOMING ST TO 1670 BRIDGE A3139 UPSTREAM LT					
	PAY TOTAL	125.0	2.0	2.0	2.0						

	CONCRETE SIDEWALK											
BEGINNING	END	LOCATION	LENGTH FO	R LENGTH FOR	WIDTH	AREA	AREA	TYPE 5 AGGR	CONCRETE	TRUNCATED	LINEAR GRADING	COMMENTS
LOG	LOG		8 "	4 "		4 "	8 "	BASE 4"	CURB RAMP	DOMES	TYPE I	
			FT	FT	FT	SY	SY	SY	SY	SF	STA	
0.348	0.384	WYOMING ST N RT		190.1	5.0	105.6			11.1	20.0	2.1	4" SIDEWALK AND CONCRETE CURB RAMPS
0.400	0.426	LIBERTY ST N LT		137.3	5.0	76.3					1.4	START AT MODOT RIGHT OF WAY
0.426	0.430	LIBERTY ST N LT	20.0		5.0		11.1	11.0			0.2	8" SIDEWALK FOR DRIVEWAY
0.430	0.434	LIBERTY ST N LT		20.0	5.0	11.1					0.2	4" SIDEWALK BETWEEN TWO DRIVEWAY
0.434	0.438	LIBERTY ST N LT	20.0		5.0		11.1	11.0			0.2	8" SIDEWALK FOR DRIVEWAY
0.438	0.469	LIBERTY ST N LT		120.0	5.0	66.7			5.6	10.0	1.2	4" SIDEWALK AND CONCRETE CURB RAMP
		TOTAL	•			259.7	22.2	22.0	16.7	30.0	5.3	_

CONCRETE CURB 6" AND UNDER TYPE A								
LOCATION	LOCATION LENGTH COMMENTS							
	FT							
VARIOUS	220	LOCATIONS TO BE DETERMINED BY ENGINEER						
CONCRETE CURB RAMP	60	AT CONCRETE CURB RAMPS						
TOTAL	280							

	EROSION CONTROL- SEEDING AND SILT FENCE									
Ī	LOG	LOCATION	SEEDING - COOL	MULCHING	CURB INLET	COMMENTS				
			SEASON GRASSES		CHECK					
		SY	ACRE	ACRE	EACH					
[0.348	CST WYOMING ST RT	0.03	0.03		SIDEWALK ON WYOMING ST				
[0.400	CST LIBERTY ST NB	0.04	0.04	3.0	DI BY SIDEWALK ON LIBERTY ST				
[TOTAL		0.07	0.07 3.0						
[PAY TOTAL		0.10	0.10	3.0					



	PAVEMENT REPAIR									
LOCATION	LOCATION DIRECTION FULL DEPTH									
		FURN/PLACING	SUBGRADE	TYPE 1 OR 5 AGG.	SAW CUT	DOWEL	COMMENTS			
		CONC.MATL	COMPACTION	4" THICK		BARS				
		SY	SY	SY	LF	EACH				
VARIOUS	VARIOUS	450	45	45	2016	1120	LOCATION TO BE DETERMINED BY ENGINEER			
TO	TAL	450	45	45	2016	1120				

			PA	VEMENT MARKI	NG	
LOG	LOG	LENGTH	LOCATION	HIGH BUILD WATER	BORNE PAVEMENT	REMARKS
MILE	MILE			MARKING PAINT, T	YPE L BEADS	
				6" WHITE	6" YELLOW	1
				LF	LF	
0.044	0.254	1109	RP WYOMING ST TO 1670E E	1109	1109	BRIDGE SLAB AND BRIDGE A3139
		TOTAL		1109	1109	

	CULVERT (CLEAN	OUT
LOG	LOCATION	EACH	COMMENTS
0.132	RP 1670 E TO WYOMING ST S	1	REFER TO PLAN SHEET
0.099	CST GENESSEE ST S	1	REFER TO PLAN SHEET
0.163	RP 1670 E TO WYOMING ST S	2	LT/RT REFER TO PLAN SHEET
0.174	RP 1670 E TO WYOMING ST S	2	LT/RT REFER TO PLAN SHEET
0.339	CST WYOMING ST N	1	REFER TO PLAN SHEET
0.418	CST LIBERTY ST N	1	REFER TO PLAN SHEET
0.428	CST LIBERTY ST N	1	REFER TO PLAN SHEET
0.453	CST LIBERTY ST N	1	REFER TO PLAN SHEET
0.313	RP 1670W TO WYOMING ST N	1	REFER TO PLAN SHEET
0.025	RP WYOMING ST TO 1670W W	2	LT/RT REFER TO PLAN SHEET
0.044	RP WYOMING ST TO 1670W W	2	LT/RT REFER TO PLAN SHEET
0.069	RP WYOMING ST TO 1670W W	1	REFER TO PLAN SHEET
0.077	RP WYOMING ST TO 1670W W	1	REFER TO PLAN SHEET
0.058	CST GENESSEE ST S	1	REFER TO PLAN SHEET
	TOTAL	18	_

	CONCRETE MED	IAN STR	IP 6"
LOG	LOCATION	AREA	COMMENTS
		SY	
0.204	RP I670E TO WYOMING ST S	17.7	MEDIAN STRIP REFER TO PLAN SHEETS
0.319	RP 1670 W TO WWOMING ST N	7.2	MEDIAN STRIP REFER TO PLAN SHEETS
0.061	RP WYOMING ST TO 1670W	13.3	MEDIAN STRIP REFER TO PLAN SHEETS
0.072	RP WYOMING ST TO 1670W	11.6	MEDIAN STRIP REFER TO PLAN SHEETS
0.141	RP I670E TO WYOMING ST S	16.2	MEDIAN STRIP REFER TO PLAN SHEETS
	TOTAL	66.0	

	DROP	INLET LID REPLAC	EMENT
LOCATION	LID FOR	MANHOLE FRAME	COMMENTS
	6' X 3' DROP INLET	AND COVER TYPE 3	
	EACH	EACH	
RP 1670E TO WYOMING ST	1	1	NEW DROP INLET COVER REFER TO PLAN SHEET
TOTAL	1	1	

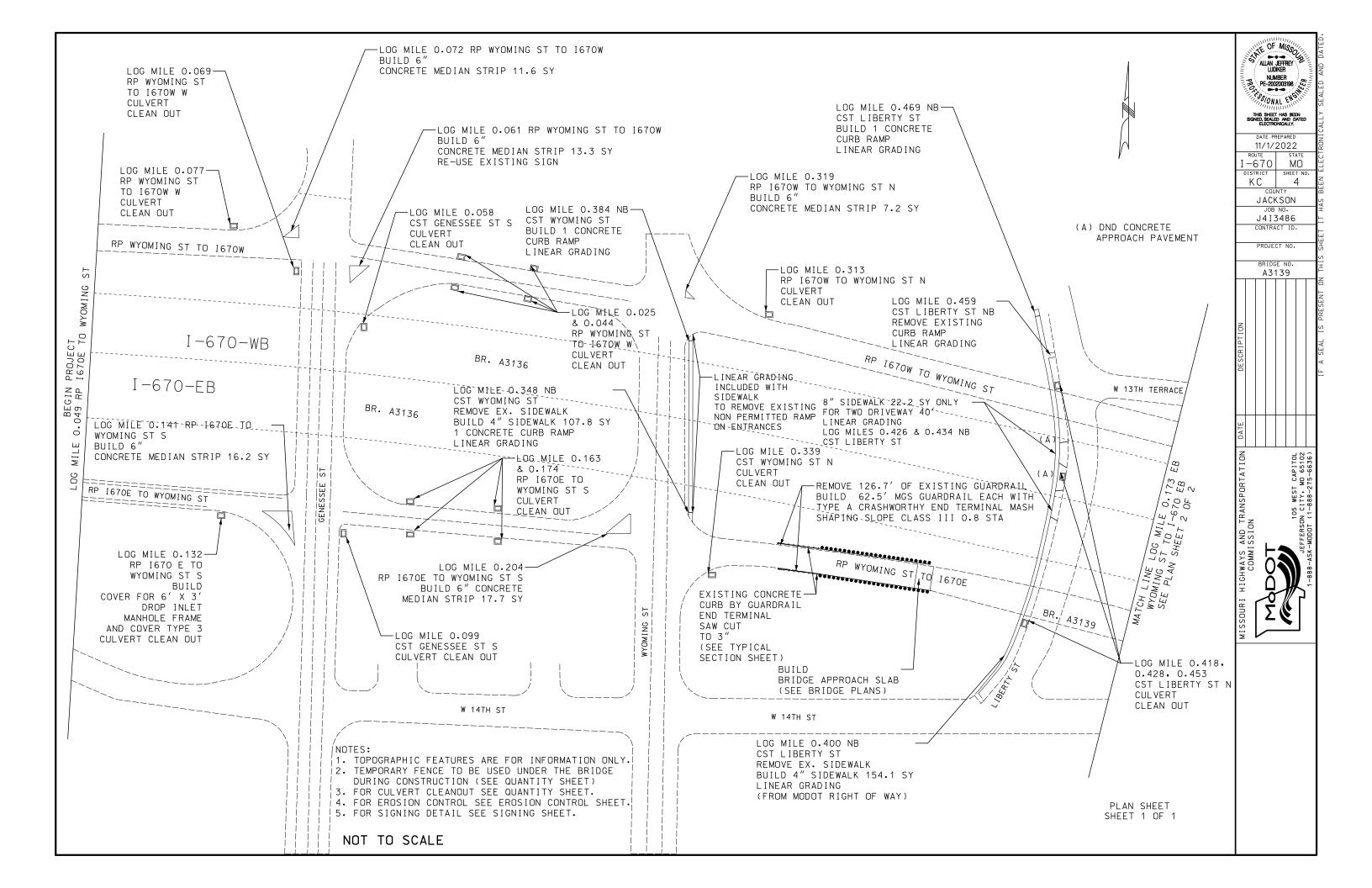
RAILROAD	PLAN SUBMITTA	L - BNSF	RAILROAD
	1 LUMP S	UM	

TEMPORARY FEN	IC I NG	
LOCATION	LENGTH	COMMENTS
	LF	
UNDER THE BRIDGE, WEST OF LIBERTY ST AND EAST OF WYOMING ST	347	TO SEPARATE WORK AREA FROM PARKING LOT.
	347	

SSOURI HIGHWAYS AND TRANSPORTATION	DATE	DESCRIPTION					I		Mr.	WILLIAM.
COMMISSION						K		SIGN	1	م الله
				CON	JA	ric C	JTE	DAT	HIS	AL
MODOT				TRA	C P	T		EALE CTRO	ON	LÜE
			E N	34. CT	NTY S NO		20	D AL	AL	M/ JEFF NKER
105 WEST CAPITOL			۱0۰	ID	ON ·	HEE	ST	RED	ENC	}
JEFFERSON CITY, MO 65102						т мо 3	ATE	EN ATED	3/1/2	2/2
1-888-ASK-MODOT (1-888-275-6636)						٠.			III.	THININI THE

																	1											EFFECTIVE 07-01-2022	OF M/So
	S	SIGNS			CONCRETE FOOTINGS	S	TRU	CTURAL STEEL POSTS **	F	PIPE P	OST:	s *		В	ACK I	ING	U-				PERFOR	ATED	SQUAR	E STEE	L TUBI	<u> </u>			ALLAN JEFFREY
na signal	SIGNS :	TABULATE	D ON D-37A S		FOOTINGS EMBEDDED			POSTS *						BA	ARS	**	CHANNE POST			2 IN. PO	ST ANCHORS			2	.5 IN. Pt	OST ANCHORS	BREAK-	REMARKS	NUMBER PE-2002003198
	310113	HORZ	7	SIGN		 	POST	POST POST LBS TOTAL	PIPE	POST POS	ST LBS	s TO	TAL	2" a 2 5	X 3" 5 I BS	BARS PER FT		POST POS	TOTAL	DRIVEN	DRIVEN 7-GA.	CONCRETE	POST PO	ST TOTAL	INSERT	DRIVEN CONCRE	AWAY TE ASSEMBLY	AND OTHER REQUIRED ITEMS	NUMBER PE-2002003198
GN SIGN SIZE	STATI	ON CLEA IF NO STD	R LOCATION	SHT.	ITEM NO. 9031010	DES NO.	NO.1	POST POST LBS TOTAL NO.2 NO.3 PER ITEM NO. 9031210	SIZE	NO.1 NO.	2 PEF	R ITEM 903	1 NO. 1220	NO. LO	этн то	OTAL TOTAL	ITEM NO. 9031250A		1TEM NC 9031270). ITEM NO. 0A 9031271A	ITEM NO. 9031273A	ITEM NO. 9031274		ITEM NO 9031280	. ITEM NO. 9031272A	ITEM NO. ITEM NO 9031281A 903128	9031241		THIS SHEET HAS BI SIGNED, SEALED AND ELECTRONICALLY
48×48	0.14		670E TO WY		CY 0.36		LF	LF LF LBS	IN. 4	16.6	10.7	_	-	_		LF LBS 9.0 23.0		LF LF	LF	EA	EA	EA	LF L	F LF	EA	EA EA	EA	NEW POST	DATE PREPARE
54×48 54×48	0.14		670E TO WY 670E TO WY													9.0 23.0 9.0 23.0													11/1/202:
54X48	0.14	1	670E TO WY																										I-670 N
36X18 48×48	0.14		670E TO WY 670E TO WY		0.36				4	16.6	10.7	79 1				3.0 23.0												NEW POST	K C COUNTY
54×48 54×48	0.20		670E TO WY											2 5	54 9	9.0 23.0													JACKSON
36X18 36X36	0.20		670E TO WY																										J4I3486
48X48	0.319	9	670W TO WY		0.36											3.0 23.0												NEW POST	
54X48 54X48	0.319		670W TO WY 670W TO WY						4	16.6	10.7	79 1		2 5	54 9	3.0 23.0 3.0 23.0													PROJECT NO
54X48 54X48	0.319		670W TO WY											2 5	54 9	23.0													BRIDGE NO. A3139
36X18 48X48	0.319	9	670W TO WY		0.70				_	16.6	10 -	70 4	70	2 -	54	0 27 0												NEW DOCT	$\exists \mid \mid \mid \mid \mid \top \mid$
54X48	0.06	1	WY TO 670W WY TO 670W		0.36				4	16.6	10.	79 1				9.0 23.0 9.0 23.0												NEW POST	_
54X48 36X18	0.06		WY TO 670W											+	+														
36X36 54X48	0.06	1	WY TO 670W		0.36				4	16.6	10 3	79 1				3.0 23.0 3.0 23.0												NEW POST	
54X48	0.072	2	WY TO 670W		0,33				<u> </u>							23.0												NEW 1001	ESCR
24X12 24X24	0.072	2	WY TO 670W WY TO 670W												\pm														
21X15	0.072	2	WY TO 670W																										
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			TOTA	$\overline{}$	1.8							11			~~~~	~~~]	
					* BREAKAWAY ** BACKING BA	ASSEM	MBLY I	IS INCIDENTAL FOR STRI TALED WITH STRUCTURAL	JCTUR#	AL STEEL	AND F	PIPE F					•			RAI ST	EEL PO)ΔΤΔ Τ	ARI F	•	- 1	
						. , , , ,		2 2			50,					POST	DES NOM	POST		STUB		EVEL GRO		FOO S:1 GRADE	TING		2:1 GRADE	OHANTITY SUSSE	
				[OST AND FOOTING				TE				NI	DES. NOM. SIZE		LBS/IN	LENGTH	DE	EPTH C	Y. DE	PTH C.	'. DEPT	H C.Y. DEPTH	C.Y.	QUANTITY SHEET SHEET 3 OF 4	
						WEIC S/FT	LBS/	'IN LENGTH DIA.	OOTIN	EPTH	C.Y.						2 W6 3 W8	15.0	1.25	4'-6"	15" 3° 24" 4° 28" 4°	′-6″ 0	.71 4	'-8" 0.7	3 4'-9		0.78		
					3 7	.79 .58 0.79	0.48	$4' - 3\frac{1}{2}''$ 12"	4	4′-6″ 4′-6″ 5′-6″	0.13 0.13 0.36	3					4 W10 5 W10 6 W12	22.0	2.17	5'-0" 5'-0"	36" 5 36" 5 36" 5	'-0" 1	31 5	-2" 1.3 -3" 1.3	7 5'-5	" 1.39 5'-6" " 1.43 5'-9" " 1.56 6'-3"	1.52	D-29	┪

										EFFECTIVE: 04-01-2021	
TOTAL QTY TOTAL S						QTY TOTAL SIGN					
SIZE AREA QTY AREA RELOC RELOC NU	JM.			1		_ RELOC RELOC NUM.					
SIGN IN SQ.FT. EACH SQ.FT. EACH SQ.FT.		SIGN	IN.	SQ.FT.EAG	CH SQ.FT	. EACH SQ.FT.]	ITEM	TOTAL		
WARNING SIGNS	DESCRIPTION			GU	IDE SI	GNS	DESCRIPTION	NUMBER	QTY	DESCRIPTION	
WD1-1L 48X48 16.00	TURN (SYMBOL LEFT ARROW)	E05-1		12.00			GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
VD1-1R 48X48 16.00	TURN (SYMBOL RIGHT ARROW)	E05-2		12.00			EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
01-2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a		12.00			EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
01-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW) REVERSE TURN (SYMBOL LEFT ARROW)	G020-1		10.00	72.00		ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS) IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	DATE PREPARED
D1-3L 48X48 16.00 D1-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	G020-2 G020-4		8.00 4 4.50	32.00		END ROAD WORK PILOT CAR FOLLOW ME	6122014		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	11/1/2022
01-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4a		8.75			PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	ROUTE ST
D1-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-4a					PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	I-670 N
O1-4bL 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	1 — — —		6.00 2	12.00		WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)	K C
01-4bR 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a	24X18	3.00			END DETOUR	6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	COUNTY
01-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L	48X36	12.00			DETOUR (LEFT ARROW)	6161008	2	ADVANCED WARNING RAIL SYSTEM	JACKSON
01-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R	48X36	12.00			DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)	JOB NO.
11-6 60X30 12.50	HORIZONTAL ARROW (SYMBOL)	MO4-9P		4.00			STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	J4I3486
01-6a 72X36 18.00	HORIZ, ARROW (SYMBOL ON PERMANENT BARRICADE)			6.00			DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	CONTRACT ID
1-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	M04-10R	₹ 48X18	6.00	DEALI	A TODY CLONG	DETOUR (ARROW RIGHT)	6161025		CHANNELIZER (TRIM LINE)	PROJECT NO.
11-7a 72X36 18.00	DOUBLE HEAD HORIZ, ARROW (SYMBOL ON PERM, BARR,)	1	140V40	147 05	REGUL	_ATORY SIGNS	CTOD	6161030	4	TYPE III MOVEABLE BARRICADE	
1-8 18X24 3.00	CHEVRON (SYMBOL) CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)			13.25			STOP	6161033 6161040	2	DIRECTION INDICATOR BARRICADE	BRIDGE NO.
1-8a 30X36 7.50 3-1 48X48 16.00	STOP AHEAD (SYMBOL)	R1-2 R1-2a		9.00			TO ONCOMING TRAFFIC (PLAQUE)	6161040	2	FLASHING ARROW PANEL TYPE III OBJECT MARKER	3139
3-2 48X48 16.00	YIELD AHEAD (SYMBOL)	R1-3P		2.50			ALL WAY (PLAQUE)	6161051		WARNING LIGHT, TYPE A	
3-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)	R2-1		12.00 2	24.00		SPEED LIMIT XX	6161052		WARNING LIGHT, TYPE B	
3-4 48X48 16.00	BE PREPARED TO STOP	R3-1		16.00			NO RIGHT TURN (SYMBOL)	6161053		WARNING LIGHT, TYPE C	
3-5 48X48 16.00	SPEED LIMIT AHEAD	R3-2		16.00			NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	
4-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-3		9.00			NO TURNS	6161070		TUBULAR MARKER	 5
4-1R 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-4		16.00			NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	[H]
4-1aL 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7L		6.25			LEFT LANE MUST TURN LEFT			CHANGEABLE MESSAGE SIGN,	
4-1aR 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7R		6.25			RIGHT LANE MUST TURN RIGHT	6161096		COMMISSION FURNISHED/RETAINED	ES
5-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R4-1		12.00			DO NOT PASS			CHANGEABLE MESSAGE SIGN W/O COMM.	 ^
5-3 48×48 16.00	ONE LANE BRIDGE	R4-2		12.00			PASS WITH CARE	6161098A	. 2	INTERFACE, CONTRACTOR FURNISHED/RETAINED	
5-5 48X48 16.00	NARROW LANES	R4-8a R4-7a		12.00			KEEP LEFT (HORIZONTAL ARROW)	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL) DIVIDED HIGHWAY END (SYMBOL)	R5-1		6.25			KEEP RIGHT (HORIZONTAL ARROW) DO NOT ENTER	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM	
6-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1a		6.00			WRONG WAY	6162000		TEMPORARY LONG-TERM RUMBLE STRIPS	
7-3a 30X24 5.00	NEXT XX MILES (PLAQUE)	R6-1L		6.75			ONE WAY ARROW (LEFT)	6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS	
8-1 48X48 16.00	BUMP	R6-1R		6.75			ONE WAY ARROW (RIGHT)	0102001		TEMPORARY TRAFFIC BARRIER	
8-2 48X48 16.00	DIP	R6-2L		5.00			ONE WAY (LEFT)	6173600D		CONTRACTOR FURNISHED/RETAINED	
8-3 48X48 16.00	PAVEMENT ENDS	R6-2R		5.00			ONE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER	RTATION
8-4 48X48 16.00	SOFT SHOULDER	R9-9	24X12	2.00 4	8.00		SIDEWALK CLOSED	6173602B	:	CONTRACTOR FURNISHED/COMMISSION RETAINED	TA
8-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)						SIDEWALK CLOSED AHEAD,	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
8-6 48X48 16.00	TRUCK CROSSING (WITH FLAGS)	R9-11L	24X18	3.00			(ARROW LEFT) CROSS HERE	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER	SPO
18-6c 48X48 16.00	TRUCK ENTRANCE	11					SIDEWALK CLOSED AHEAD,			TEMPORARY TRAFFIC BARRIER	SZ 3
8-7 36X36 9.00	LOOSE GRAVEL	R9-11R		3.00			(ARROW RIGHT) CROSS HERE	6176000B		COMMISSION FURNISHED/RETAINED	TRANS
8-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R10-6		6.00			STOP HERE ON RED (45° ARROW)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	- N
8-9 48X48 16.00	LOW SHOULDER	R11-2	48X30	10.00			ROAD CLOSED	6177000B		COMMISSION FURNISHED/RETAINED	AND
8-11 48X48 16.00	NO CENTER LINE	R11-3a	60730	12 50			ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	6208064A 9029400		TEMPORARY RAISED PAVEMENT MARKER TEMPORARY TRAFFIC SIGNALS	
8-15 48X48 16.00	GROOVED PAVEMENT	R11-4					ROAD CLOSED TO THRU TRAFFIC	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
8-15P 30X24 5.00	MOTORCYCLE (PLAQUE)	CONST-3A					FINE SIGN	6169902	4	ADA COMPLIANT MOVEABLE BARICADE	HIGHWAYS COMMI
8-17 48X48 16.00	SHOULDER DROP-OFF (SYMBOL)	CONST-3X					SPEEDING/PASSING (PLATE)	1	<u> </u>	The state of the s	
8-17P 30X24 5.00	SHOULDER DROP-OFF (PLAQUE)				MISCE	ELLANEOUS SIGNS					
0-1 42RND. 9.62	RAILROAD CROSSING	CONST-5	48X36	12.00			POINT OF PRESENCE				MISSOURI
12-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-5					POINT OF PRESENCE				
12-2 48X48 16.00	LOW CLEARANCE (SYMBOL)	1		8.00 2	16.00		RATE OUR WORK ZONE				SS -
12-2X 24X18 3.00	LOW CLEARANCE (PLAQUE)	CONST-7			1		RATE OUR WORK ZONE	_			Σ
12-2a 84X24 14.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-8	48X36	12.00 4	48.00		WORK ZONE NO PHONE ZONE				
12-4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD	1	+		+						
12-5 120X60 50.00	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	1	+	+	+						
13-1 30X30 6.25 16-2 30X24 5.00	ADVISORY SPEED (PLAQUE) XXX FEET (PLAQUE)	1	+								
16-2 30X24 5.00	X MILE (PLAQUE)	1	+	+ + -							
20-1 48X48 16.00 4 64.00	ROAD/BRIDGE/RAMP WORK AHEAD	1	+		_						
0-2 48X48 16.00	DETOUR AHEAD		+	 							
0-3 48X48 16.00 1 16.00	ROAD CLOSED AHEAD		1								
20-4 48X48 16.00	ONE LANE ROAD AHEAD	616-10	0.05		TOTAL	_					
20-5 48X48 16.00 2 32.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD			ON SIGNS							
20-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10				TOTAL					
20-6a 48X48 16.00 2 32.00	RIGHT/CENTER/LEFT LANE CLOSED	RELOCA	ATED S	SIGNS		0					
20-7a 48X48 16.00	FLAGGER (SYMBOL, WITH FLAGS)										
21-2 36X36 9.00	FRESH OIL										
21-5 48X48 16.00	SHOULDER WORK AHEAD	1							ςı	UMMARY OF QUANTITIES	
022-1 48X48 16.00	BLASTING ZONE AHEAD	1							ا ت		
022-2 42X36 10.50	TURN OFF 2-WAY RADIO AND PHONE	4								SHEET 4 OF 4	
	END BLASTING ZONE	1									
D22-3 42X36 10.50 D22-1 21X15 2.19 D22-1 D22-1	WET PAINT (ARROW PIVOTS)	1									



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

SIGN SP	ACING FOR A	DVANCE SIGN SERIES (1) (2)
PERMANENT		
POSTED SPEED	UNDIVIDED	DIVIDED
MPH	HIGHWAYS	HIGHWAYS
0-35	200′	200′
40-45	350 <i>′</i>	500′
50-55	500 <i>′</i>	1000′
60-70	1000′	SA - 1000' SB - 1500' SC - 2640'

TAPE	R LENGTHS A	ND END TREA	TEMENTS FOR	CONCRETE BARRIER
PERMANENT				
POSTED SPEED	MINIMUM LANE	TAPER LENGTH	(3)	
MPH	10′	11′	12′	END TREATMENT (4)
β40	160′	168′	176′	BARRIER HEIGHT TRANSITION
¢ 40	160′	168′	176′	APPROVED CRASH CUSHION

		TAPER	LENGTHS AND	SPACING FOR CHANN	ELIZER	S	
PERMANENT				MINIMUM SHOULDER	BUFFER	MAXIMUM CHANNELI	ZER SPACING
POSTED SPEED	MINIMUM LAN	NE TAPER LENGT	H (L) (3)	TAPER LENGTH (T1)	LENGTH	THROUGH	THROUGH
MPH	10′	11′	12′	BASED ON 10' SHOULDER	FT	TAPER	WORK AREA
0-35	205′	225′	245′	70′	280'	35′	40′
40-45	450 <i>′</i>	495 <i>'</i>	540′	150′	400′	40′	80′
50-55	550 <i>′</i>	605′	660′	185′	560′	50′	80′
60-70	700′	770′	840′	235′	840'	60′	120′

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

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

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

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

DETAILS NOTES:

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

TAPER LENGTH (L)

L = W X P FOR 40 MPH OR MORE

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

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

P = POSTED SPEED PRIOR TO ROAD WORK IN MPH • SIGN (SINGLE SIDED)

FLAGGER

PROTECTIVE VEHICLE WITH

CHANNELIZER

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

LEGEND NOTE:

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

FLASHING ARROW PANEL

BARRICADE

CHANGEABLE MESSAGE BOARD

TRAFFIC CONTROL LEGEND

GENERAL NOTES:

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

EPG TABLE 616.29 RECOMMENDED MAXIMUM SPEED REDUCTIONS		
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)	
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION	
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH	
HEAD-TO-HEAD ON MULTILANE	10 MPH	
1		

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

TEMPORARY
TRAFFIC CONTROL
SHEET 1 OF 3

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONOCAULT.

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONOCAULT.

DATE PREPARED 11/1/2022

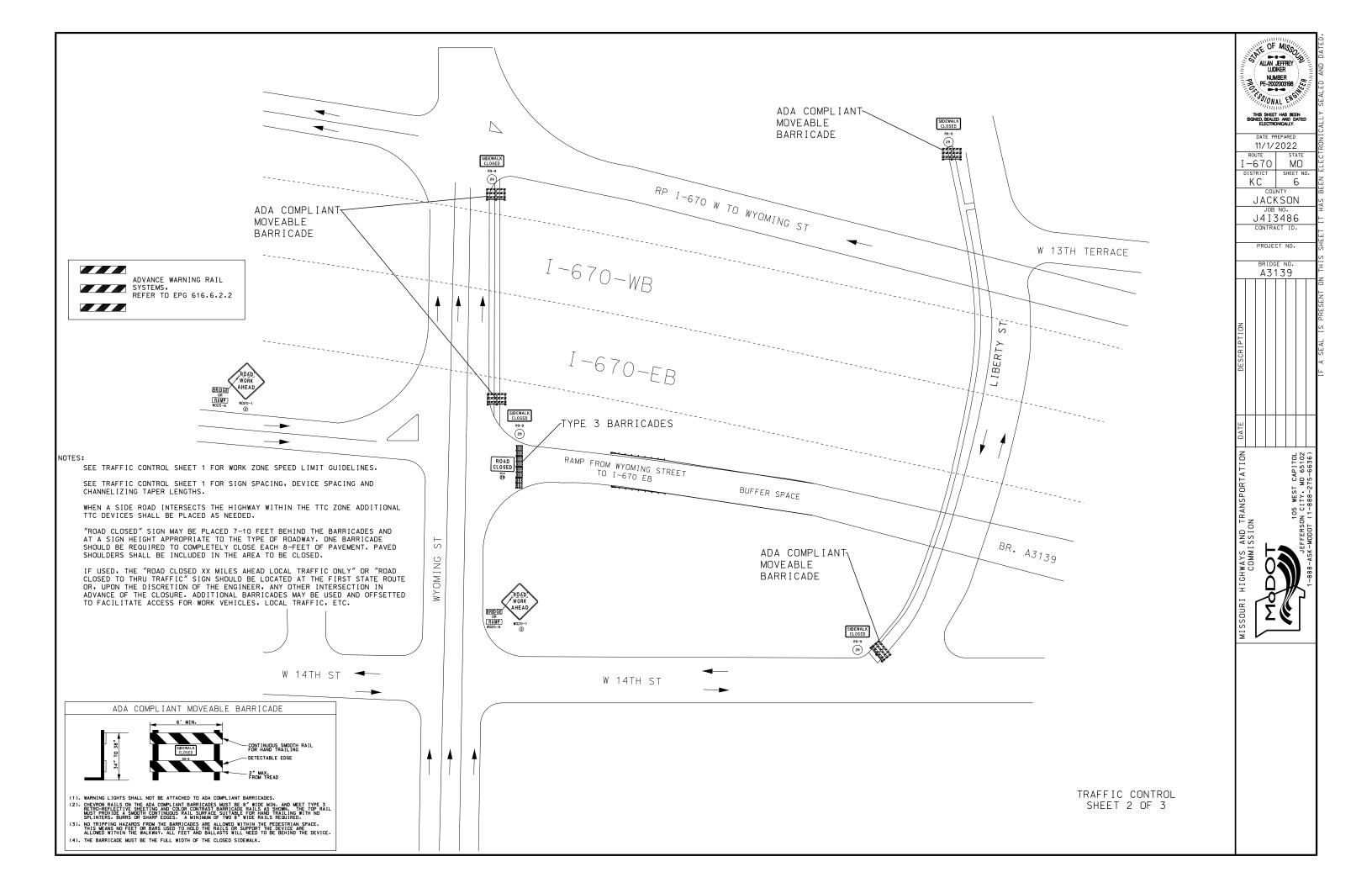
ROUTE I STATE I -670 MO
DISTRICT SHEET NO. KC 5

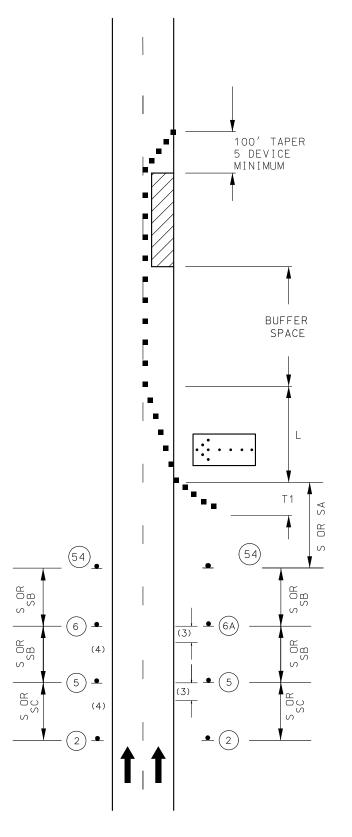
COUNTY JACKSON
JOB NO. J413486
CONTRACT ID.

PROJECT NO.

BRIDGE ND.
A3139



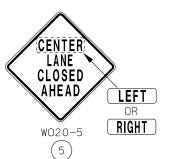




TWO-LANE DIVIDED HIGHWAY

TA-33

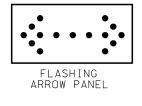












CHANNELIZERS



ADVANCE
WARNING RAIL SYSTEMS,
REFER TO EPG 616.6.2.2

NOTES:

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

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

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

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

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

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

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

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

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

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

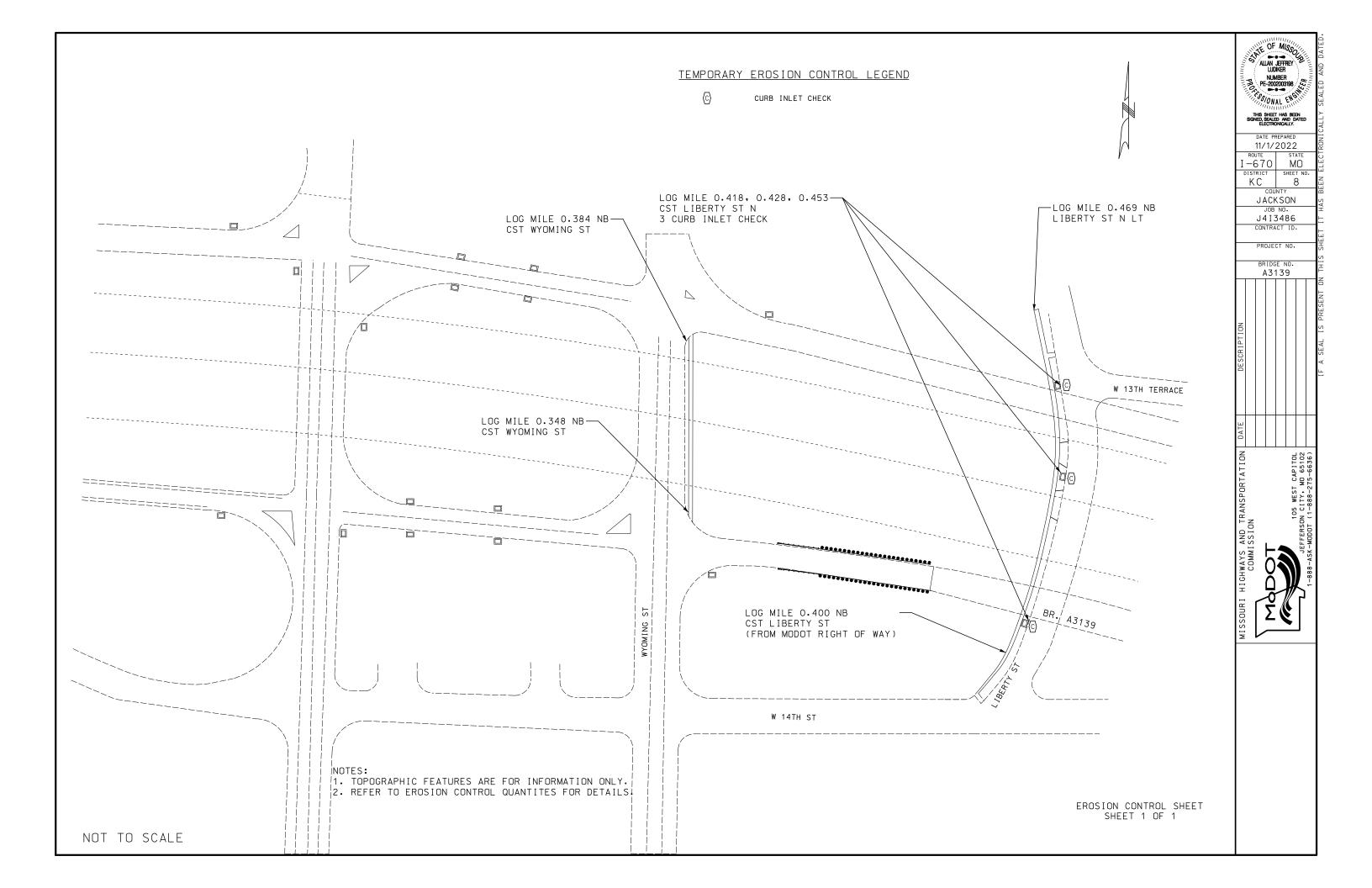
FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAG AND ADVANCE WARNING RAIL SYSTEM.

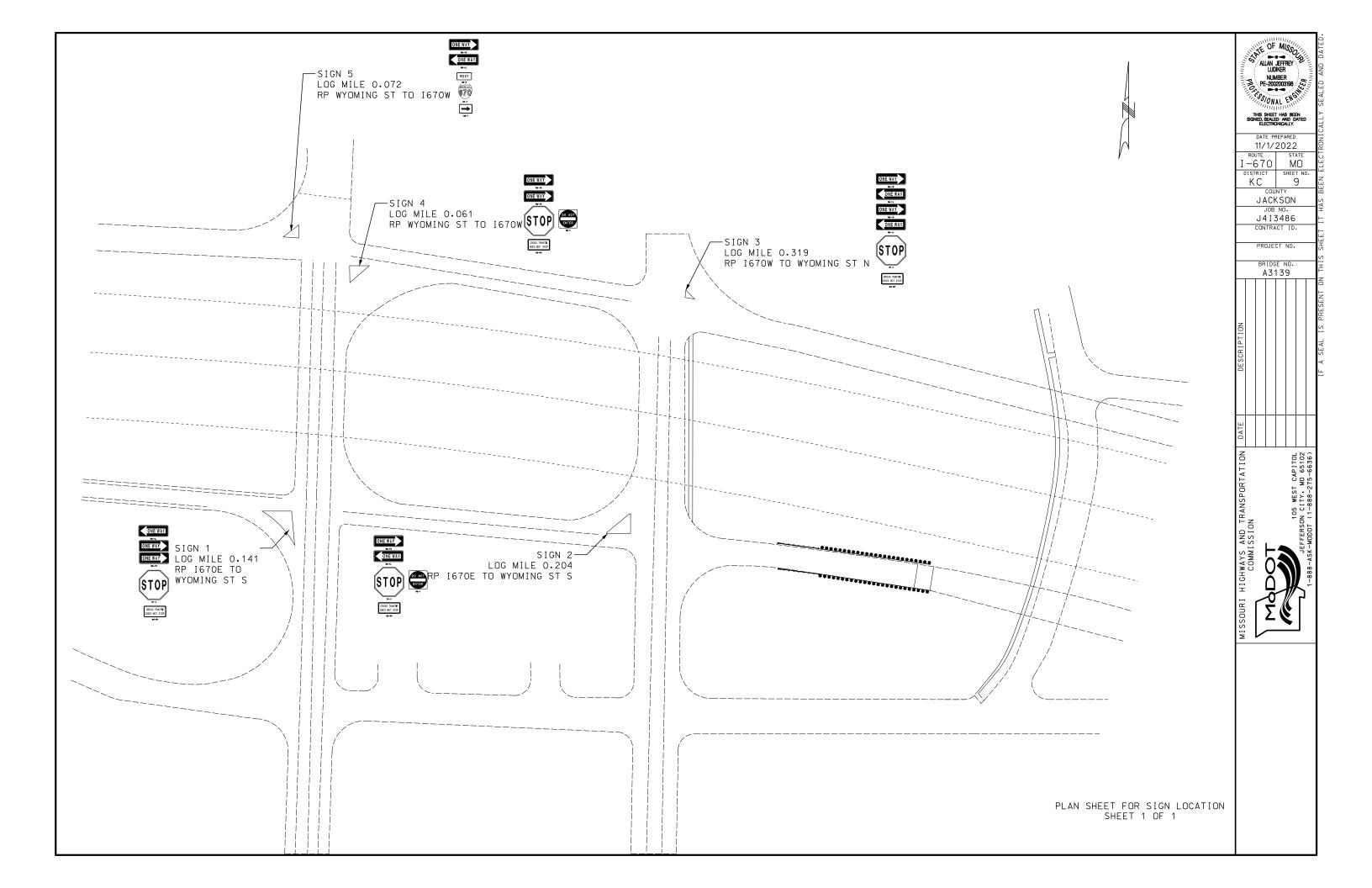
REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES

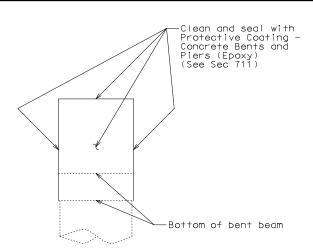
STATIONARY LANE CLOSURE TEMPORARY TRAFFIC CONTROL SHEET 3 OF 3 ALLAN JEFFREY

NUMBER

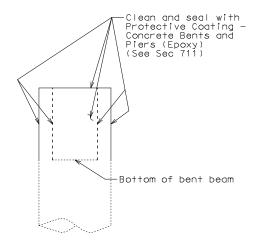








PART END ELEVATION OF INTERMEDIATE BENT NO. 11 SHOWING PROTECTIVE COATING



PART END ELEVATION OF INTERMEDIATE BENT NO. 6 & 12 SHOWING PROTECTIVE COATING

Notes:

Amount of substructure repair is anticipated to be 10 square feet or less. Locations to be determined in the field and per the approval of the engineer. No direct pay.

Structural Steel Protective Coating:

Protective Coating: System G in accordance with Sec 1081.

Limits of Protective Coating: The surfaces of all existing and new structural steel located within a distance of not less than 10 feet from the & of Expansion Joint No. 1, 2 & 3 and remaining on the superstructure of Bridge A3139, shall be recoated with a complete System G.

Surface Preparation: Surface preparation of the existing and new steel shall be in accordance with Sec 1081 for Recoating of Structural Steel (System G). The cost of surface preparation will be considered completely covered by the contract unit price per sq. foot for Surface Preparation for Recoating Structural Steel.

Prime Coat: The cost of the prime coat will be considered completely covered by the contract unit price per sq. foot for Field Application of Inorganic Zinc Primer.

Field Coat: The color of the field coat shall be Gray (Federal Standard #26373). The cost of the intermediate field coat will be considered completely covered by the contract unit price per sq. foot for Intermediate Field Coat (System G). The cost of the finish field coat will be considered completely covered by the unit price per sq. foot for Finish Field Coat (System G).

Limits of Paint Overlap: System G shall overlap the existing coating between 6 inches and 12 inches in order to achieve maximum coverage at the paint limit of each complete system near the expansion and contraction areas. The final field coating shall be masked to provide crisp, straight lines and to prevent overspray beyond the overlap required.

Estimated Quantities		
I+em		Total
Scarification of Bridge Deck	sq, yard	3155
Total Surface Hydro Demolition	sq. yard	3155
Removal of Existing Expansion Joint Seal or Sealant	linear foot	52
Bridge Approach Slab (Major)	sq. yard	58
* Supplementary Wearing Surface Material	cu, yard	25
Latex Modified Concrete Wearing Surface	sq, yard	3155
Diamond Grinding	sq, yard	3155
Removal of Existing Deck Repair	sq. foot	250
Full Depth Repair	sq. foot	100
Cleaning and Epoxy Coating (Slab Edge)	sq. foot	1721
Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
Fabricated Structural Carbon Steel (Misc.)	pounds	260
Steel Bar Dam	each	4
Surface Preparation for Recoating Structural Steel	sq. foot	1900
Field Application of Inorganic Zinc Primer	sq. foot	1900
Intermediate Field Coat (System G)	sq. foot	1900
Finish Field Coat (System G)	sq. foot	1900
Strip Seal	linear foot	52

TIMOTHY D. LEAF

NUMBER

10/4/2022 I-670 MO

> JACKSON J4I3486

CONTRACT ID.

PROJECT NO.

A31392

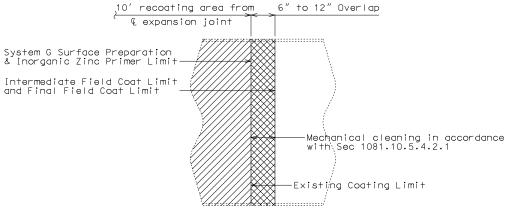
SHEET NO

2

PE-AL PROPERTY OF THE PROPERTY

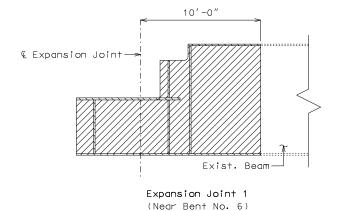
BR

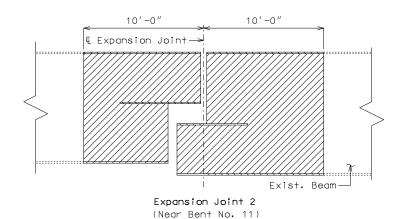
* Supplementary wearing surface material for monolithic deck repair will be paid for at the fixed unit price in accordance with Sec 109.



PART ELEVATION SHOWING LIMITS OF PAINT OVERLAP

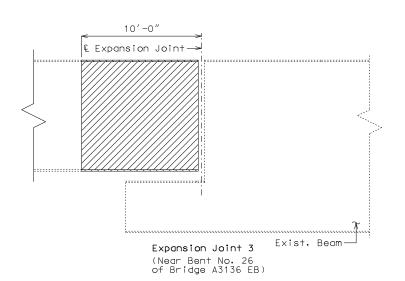
(Vertical or horizontal paint limit. Horizontal limit shown)



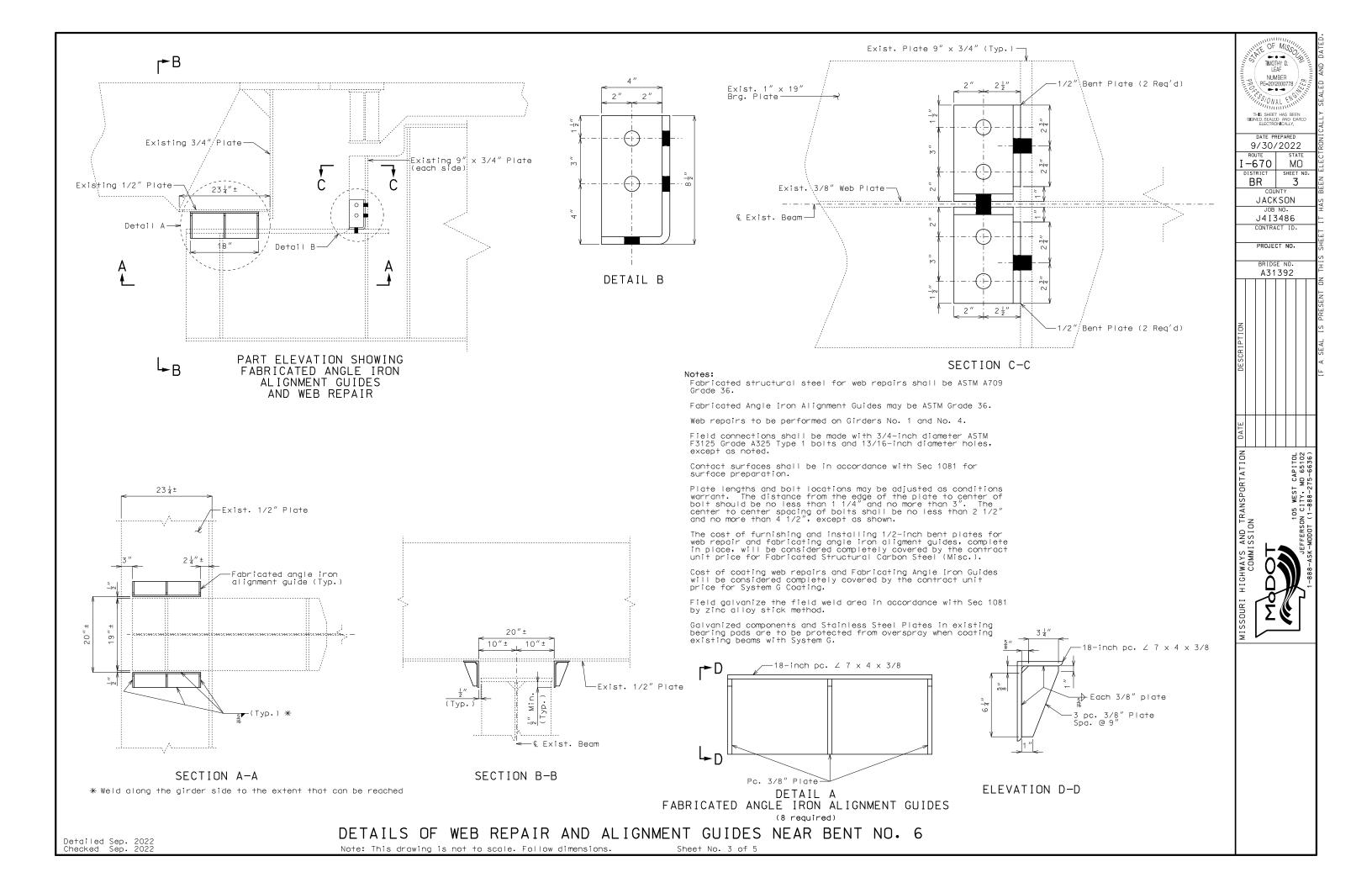


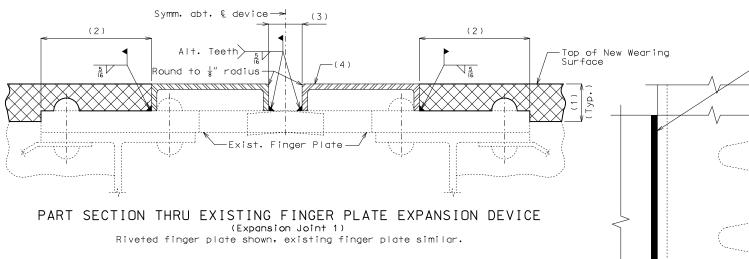
PART ELEVATION OF EXISTING BEAM

SHOWING EXTENT OF SYSTEM G COATING (Bearings and all vertical stiffeners not shown for clarity)



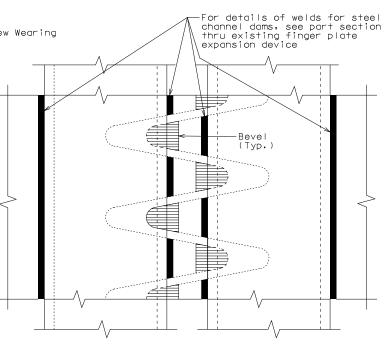
Detailed Sep. 2022 Checked Sep. 2022





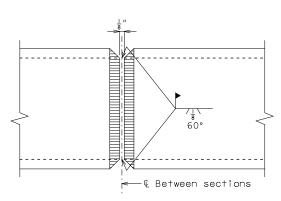
Notes:

- (3) Expansion gap to be 2" (at 60°F) measured parallel to € roadway for devices designed for 200 feet or less of bridge expansion and gap increased 1/4" for each 50 feet of additional length up to a maximum space of 2-1/2".
- (4) Use channel C6 X 10.5 for wearing surfaces thru 1 3/4" and channel C7 X 14.75 or MC6 X 15.1 for wearing surfaces greater than 1 3/4" to 2 1/4". Cut flanges to match required wearing surface thickness.



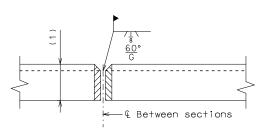
PART PLAN AT FINGER PLATE EXPANSION DEVICE

(Expansion Joint 1)

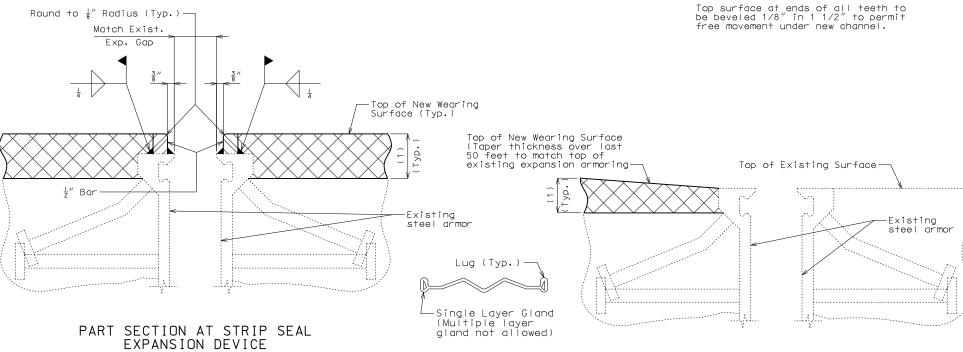


Splice to be at & roadway for two lane bridges

PLAN OF CHANNEL SPLICE



ELEVATION OF CHANNEL SPLICE



(Expansion Joint 2)

(New strip seal gland not shown for clarity)

DETAIL OF GLAND (Strip Seal Gland Size = 4")

PART SECTION AT STRIP SEAL EXPANSION DEVICE

(Expansion Joint 3)

(New strip seal gland not shown for clarity)

Notes:

Structural steel shall be in accordance with ASTM A709 Grade 36.

The Steel Dams shall extend full roadway width between barriers.

Steel Dams shall be fabricated and installed to the crown and grade of the roadway.

Steel channels or bars on both sides of expansion joint, for full width of roadway, will be considered completely covered by the contract unit price for Steel Bar Dam.

Apply coating of inorganic zinc primer 5.0 mils thickness to inside surface of channel steel.

Shop drawings will not be required for steel bar dams.

The strip seal gland shall be installed in joints in one continuous piece without field splices. Factory splicing will be permitted for joints in excess of 53 feet.

The cost of removing strip seal glands at the expansion joints 2 & 3 will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint Seal or

The cost of replacing strip seal glands at the expansion joints 2 & 3 will be considered completely covered by the contract unit price for Strip Seal.

- (1) For wearing surface thickness, see Sheet No. 1.
- (2) When this dimension exceeds 3" and a concrete wearing surface is used, tank weld a one inch bar chair to the plate or angle for each 3" of plate or angle to be covered by wearing surface.

DETAILS OF STEEL BAR DAMS AT EXPANSION JOINTS 1, 2 & 3

Detailed Sep. 2022



105 ON CI

