DESIGN DESIGNATION

A.A.D.T. - 2025 = 57,000 A.A.D.T. - 2045 = 64,000V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION- INTERSTATE

NO R/W TO BE ACQUIRED FOR THIS PROJECT

CONVENTIONAL SYMBOLS

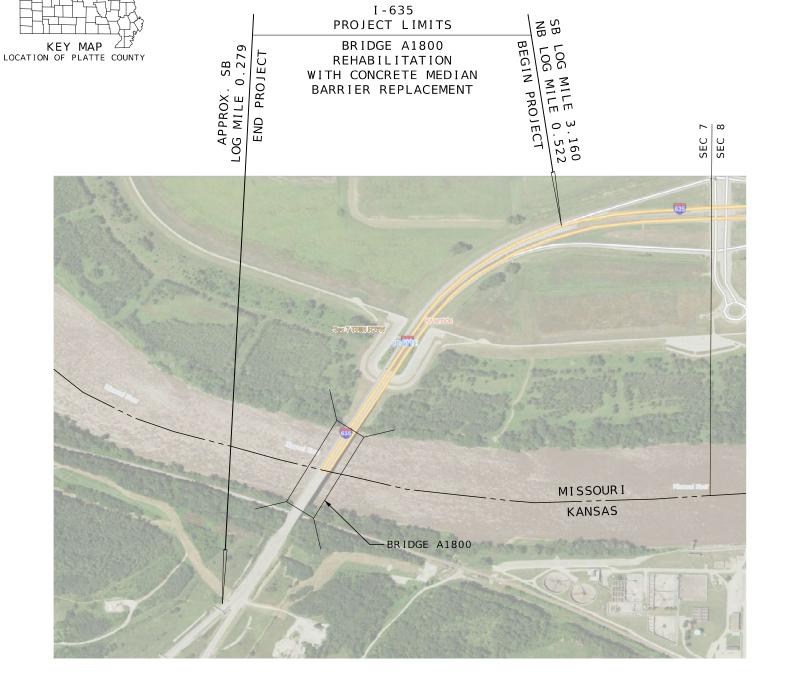
,	EXISTING	NFW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER	0000 0000 0000	
UTILITIES FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FO OTV UTV - OT - UT - OE - UE - S - G - U - UT - OG - UT - OG - O	
MANHOLE	SAN E)
FIRE HYDRANT	HAD	ĵ
WATER VALVE	w, G	€
WATER METER	WIM)
DROP INLET	"i_	
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	_
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST BENCHMARK	——————————————————————————————————————	/ /
DENCHMANN	⊗	y

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY





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
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (2 SHEETS)	3
SPECIAL SHEET	4
TRAFFIC CONTROL SHEETS (TC)	5 - 11
BRIDGE DRAWINGS (B)	
A1800	1 - 3

UNITE OF	MISSOLL
HEATH BARR NUM PE-2016	MISSOLITIER R. 100WS 1BER 80040670
Wester &	Bantons
08/01/2025 HEATHER R. BA MO-PE-20	2:13:52 PM ARROWS - CIVIL 116040670
	REPARED
	2025
ROUTE	STATE
I - 635	MO
I - 635	MO SHEET NO.
I - 635 DISTRICT KC	MO SHEET NO.
I - 635 DISTRICT KC	MO SHEET NO. 1
I - 635 DISTRICT KC COU PLA	MO SHEET NO. 1 NTY TTE
I - 635 DISTRICT KC COU PLA JOB	MO SHEET NO. 1 NTY TTE NO.
I - 635 DISTRICT KC COU PLA JOB JKU	MO SHEET NO. 1 NTY TTE NO. 0095
I - 635 DISTRICT KC COU PLA JOB JKUC CONTRA	MO SHEET NO. 1 NTY TTE NO.

DESCRIPTION												
DATE												
NO					0	102	36)					

LENGTH OF PROJECT

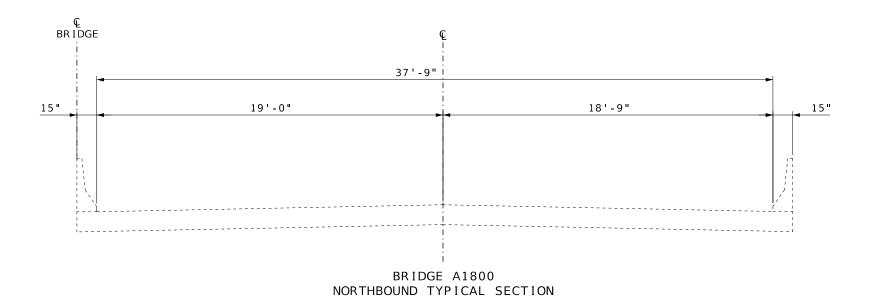
BEGINNING OF PROJECT SB LOG MILE 3.160 END OF PROJECT APPROX. SB LOG MILE 0.279

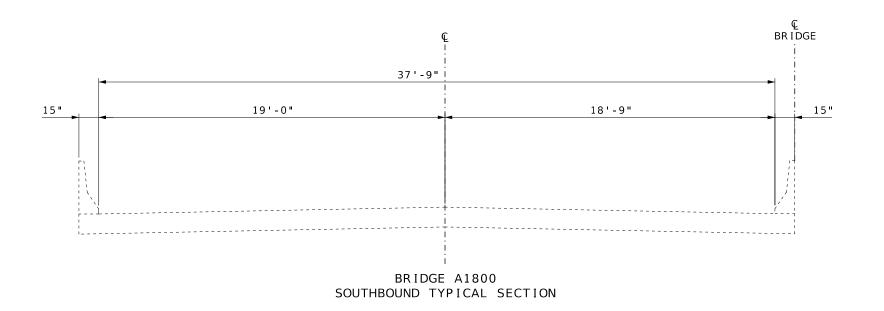
APPARENT LENGTH 4228.8 FEET

EQUATIONS AND EXCEPTIONS: NONE



TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	4228.8	FEET
STATE LENGTH	0.801	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES





HEATHER R.
BARROWS
NUMBER
PE-2018040670

DATE PREPARED
6/30/2025

ROUTE
I-635

MO
DISTRICT
SHEET NO.
KC
2

COUNTY
PLATTE
JOB NO.
JKU0095

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



TYPICAL SECTION SHEET 1 OF 1

	PERMANENT PAVEMENT MARKING QUANTITIES											
LOG	LOG	LENGTH	6" WHITE CLASS 2	6" YELLOW CLASS 2	COMMENTS							
MILE	MILE		PVMT MARKING PAINT	PVMT MARKING PAINT								
	(25-MIL, TYPE L BEADS)		(25-MIL, TYPE L BEADS)									
		FT	LF	LF								
MO SB 3.203	MO SB 3.379	929.28	1393.9	929.3	ONE WHITE EDGELINE, ONE YELLOW EDGELINE, TWO WHITE LANE LINES							
MO SB 3.379	KS SB 0.112	2249.28	2811.6	2249.3	ONE WHITE EDGELINE, ONE YELLOW EDGELINE, ONE WHITE LANE LINE							
KS NB -0.409	KS NB -0.308	533.28	799.9	533.3	ONE WHITE EDGELINE, ONE YELLOW EDGELINE, TWO WHITE LANE LINES							
KS NB -0.308 MO NB 0.192 2640.00		3300.0	2640.0	ONE WHITE EDGELINE, ONE YELLOW EDGELINE, ONE WHITE LANE LINE								
•		PAY TOTAL	8305	6352								

TEMPORARY	PAVEMENT MA	RKING QUANTITIES					
LOG	LOG	4" WHITE TEMP					
MILE	MILE	PVMT MARKING PAINT					
		LF					
PHASE 1							
MO SB 3.203	KS SB 0.112	3184					
KS NB -0.409	MO NB 0.192	3184					
PHASE 2							
MO SB 3.203	KS SB 0.112	3739					
KS NB -0.409	MO NB 0.192	3184					
	PAY TOTAL	13291					

PAVEMENT MARKING REMOVAL	
TEMPORARY PAVEMENT MARKING REMOVAL	13291
PERMANENT PAVEMENT MARKING REMOVAL	14657
PAY TOTAL	27948

CONCRETE BARRIER QUANTITIES										
LOG	LOG	CONCRETE TRAFFIC								
MILE	MILE	BARRIER, TYPE A								
		LF								
MO SB 3.448	MO SB 3.500	275								
	PAY TOTAL	275								

REMOVAL OF IMPROVEMENTS									
LOG	LOG	ITEM AND							
MILE	MILE	QUANTITY							
MO SB 3.160	KS SB 0.279	275 LF CONCRETE BARRIER							
•	PAY TOTAL	ONE LUMP SUM							

MOB I	LIZA	TION	
ONE	LUMP	SUM	



DEPOSED STATE

I - 635

MOD STATE

OSCIOLARIO STATE

I - 635

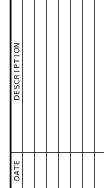
MOD STATE

I - 635

COUNTY

COUNTY

COUNTY
PLATTE
JOB NO.
JKU0095
CONTRACT ID.



March 1986 16				TOTAL QTY	TOTAL							QTY TOTAL				EFFECTIVE: 07-01-2025		www.
Sect Color	SIGN	SIZE	AREA QT	Y AREA RELO	RELOCIST	GN	SIGN	SIZ	E AREA	QTY	TOTAL	· ·	GN	ITEM	ТОТА	L		NV
March Marc			I I -	1 1	1 1				1		1 1			III	QTY	DESCRIPTION	35	HEATHER R
The content of the			!	WARNING S	SIGNS	•		'		•	GU I	DE SIGNS		⊣	<u> </u>	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)		BARROWS : =
Section Control Cont	WO1-1L	48X48	16.00			TURN (SYMBOL LEFT)	E05-1	36X4	18 12.00				GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)		PE-2016040670
State 1	WO1-1R	48X48	16.00			TURN (SYMBOL RIGHT)	E05-2	48X3	36 12.00				EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)		
Column C	WO1-2L					CURVE (SYMBOL LEFT)								41] "	WAL CHIN
State 1.5	WO1 - 2R						_							41		The state of the s		
State 1.5								_		-				41	2		HEA [*]	THER R. BARROWS - CIVIL MO-PE-2016040670
March 10 10 10 10 10 10 10 1							_										-	DATE PREPARED
March 1965								_		1				41	2			
Column C										1	24.0			41	2	, , , , , , , , , , , , , , , , , , ,		I
No.										4	24.0			41				
March 1985								_						41				
Column C														41			Ħ	
March 1975														-				
March Marc	WO1-6a						_							41				
Color Colo	WO1 - 7													-			_	
	WO1 - 7a	72X36	18.00			DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)				REGULA	ATORY SIGNS		6161022		CHANNELIZER (CONE)		CONTRACT ID.
Month Color	WO1-8	18X24	3.00			CHEVRON (SYMBOL)	R1-1	48X4	18 13.25				STOP	6161025	75	CHANNELIZER (TRIM-LINE)		PROJECT NO.
Column C	WO1-8a	30X36	7.50			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TR	I. 6.93	2	13.9		YIELD	6161026		CHANNELIZER (VERTICAL PANEL)		
Column C	WO3 - 1					STOP AHEAD (SYMBOL)	R1-2a							41		TYPE 3 MOVEABLE BARRICADE		BRIDGE NO.
STATE AND 7 - 20 2 3 0	WO3 - 2			32.0				_						41			<u> </u>	
Column C	WO3 - 3													41	2		4	
Column C	WO3 - 4			32.0							48.0			-	1		4	
SCHIEF 1972	WO3 - 5							_						41	-	`	4	
005-15 1946 15 16 2 2 2 0				22.0										-			- _	
March 1970 19. HE 2 22.0								_			+ -			6161095	1		[<u>현</u>]	
Second Color Seco														16161006			PT	
Minist 15-02 15-														0101090			품	
MARCH 1806 16.00				32.0			_							16161098	_ 2		ES(
MACCA 1444 16.00														10101030	1		┨╩┃	
MARCH 16.00	WO6 - 1						_							1 6161099				
30.24 3.02	WO6 - 2													41	4		1	
March Marc	WO6 - 3	48X48	16.00			TWO WAY TRAFFIC (SYMBOL)	R5-1	30X3	30 6.25				DO NOT ENTER	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS	1	
Color Colo	WO7-3a	30X24	5.00			NEXT XX MILES (PLAQUE)	R5-1a	36X2	24 6.00				WRONG WAY		3590	TEMPORARY TRAFFIC BARRIER,	\vdash	
MORATE 1,995	WO8 - 1	48X48	16.00			BUMP	R6-1L	54X1	18 6.75				ONE WAY ARROW (LEFT)	6173600	3386	CONTRACTOR FURNISHED/RETAINED	빌	
MANUAL 1,150	WO8 - 2	48X48	16.00			DIP	R6-1R	54X1	18 6.75				ONE WAY ARROW (RIGHT)			TEMP. TRAFFIC BARRIER ANCHORED,		
MORATOR SASTAN S. STORMAR	WO8 - 3													6173700	3		H	
MORATOR SASTAN S. STORMAR	WO8 - 4						_										√ S	TOL 102 36)
MORATOR SASTAN S. STORMAR							R9-9	24X1	12 2.00					6173706	-		∃	P I .
MORATOR SASTAN S. STORMAR							- _{B0 111}	2471						1,74000		•	<u>`</u>	C, C, C, S
MODITY ARCHARD 10.00							HR9-11L	2481	18 3.00	+			,			· ·	ļö	:ST (, 3-2
MODITY ARCHARD 10.00							- _{DQ-11D}	24 ¥ 1	18 3 00						+		- S	M 1 1 × 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
MODITY ARCHARD 10.00							_							41	1		₹ V	105 N C
MODITY ARCHARD 10.00							_							41	4			SO
1874 1.00									11111								SIS	E 10
MOSE-171 488/48 16.00							R11-3a	60X3	30 12.50								A E	
WIGH 178 48X48 16.00 SHOULDER BORP-OFF (\$YRADUE) CONST-38 SAX12 4.67 SPEEDING/PASSING PLATE)	WO8 - 15P	30X24	5.00			MOTORCYCLE (PLAQUE)	R11-4	60X3	30 12.50				ROAD CLOSED TO THRU TRAFFIC	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	S≥	ASI
MISCELLANEOUS SIGNS	WO8 - 17L	48X48	16.00			SHOULDER DROP-OFF (SYMBOL LEFT)			_				FINE SIGN				J≱S	
WID-1 428MD. 9.62 RAILROD CROSSING							CONST-3	X 56X1	12 4.67				SPEEDING/PASSING (PLATE)				ច់	_ `` \ \\ <u>"</u>
W012-1 24X24 4.00 DOUBLE DOWN ARROW (SYMBOL) CONST-5 96X8 32.00 POINT OF PRESENCE W012-2 48X18 16.00 LOW CLEARANCE (SYMBOL) CONST-8 48X36 12.00 WORK ZONE NO PHONE ZONE W012-2 48X18 3.00 LOW CLEARANCE (FEET AND INCHES) WORK ZONE NO PHONE ZONE W012-2 120X60 50.00 LOW CLEARANCE (FEET AND INCHES) WORK ZONE NO PHONE ZONE W012-2 120X60 50.00 LOW CLEARANCE XF T XX IN XX MILES AHEAD WORK ZONE NO PHONE ZONE W012-3 130X30 6.25 WIDTH RESTRICTION XX F T XX IN XX MILES AHEAD WORK ZONE NO PHONE ZONE W013-1 30X30 6.25 ADVISORY SPEED (FLAQUE) WORK ZONE NO PHONE ZONE W013-1 30X30 6.25 ADVISORY SPEED (FLAQUE) WORK ZONE NO PHONE ZONE W013-2 30X24 5.00 XXX FEET (FLAQUE) WORK ZONE NO PHONE ZONE W020-1 48X48 16.00 ASSAULT CONTROL OF THE ZONE ZONE ZONE ZONE ZONE ZONE ZONE ZON											4I SCELL	ANEOUS SIGNS		1			ΙΞ	
W012-22 24X48 16.00							_	_						4			1=	<u>~</u> 2 // t
W012-22 84X18 3.00 LOW CLEARANCE (PLAQUE) COVERNED LOW CLEARANCE (PLAQUE) COVERNED LOW CLEARANCE (PLAQUE) COVERNED LOW CLEARANCE X FT XX IN XX MILES AHEAD COVERNED LOW CLEARANCE XX IN XX MILES AHE								_						4			l in l	2 (6
WOI12-2-4 BAX24 14.00							CONST-8	48X3	12.00	+	+ -		WORK ZONE NO PHONE ZONE	4			SS	👉 📞
W012-5 1 20X60 50.00					+			+		-	1			4			Σ	/
W012-1 30X24 5.00 WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD W016-2 30X24 5.00 XXX FEET (PLAQUE) XXX FEET (PLAQUE) XXX FEET (PLAQUE) W016-3 30X24 5.00 XXX FEET (PLAQUE) XXX FEET (PLAQUE) W016-3 30X24 5.00 XXX FEET (PLAQUE) XXX FEET (PLAQUE) W016-3 30X24 5.00 XXX FEET (PLAQUE) W016-3 30X24 5.00 XXX FEET (PLAQUE) W016-3 40X48 16.00 DETOUR AHEAD W020-2 48X48 16.00 DETOUR AHEAD W020-2 48X48 16.00 DETOUR AHEAD W020-2 48X48 16.00 W020-2 48X48 16.00 W030-2 48X48 16.00 XXX FEET (PLAQUE) XXX FEET (P					+		-	+		+				1			F-	
WO13-1 30X30 6.25					+		-	+		+				1			1	
WO16-2 30X24 5.00					+ +									†			1	
W016-3 30.724 5.00							-				+ -			†			1	
W020-1 48X48 16.00														†			1	
W020-2 48X48 16.00 ROAD CLOSED AHEAD 616-10.05 TOTAL W020-3 48X48 16.00 RIGHT/CENTER/LEFT LANE CLOSED AHEAD 616-10.10 SIGNS 534 W020-5 48X48 16.00 2 32.0 RIGHT/CENTER/LEFT LANE CLOSED AHEAD 616-10.10 RELOCATED SIGNS FOR SIGNS				112.0										1			1	
W020-4 48X48 16.00								L]			1	
W020-5 48X48 16.00 4 64.0 RIGHT/CENTER/LEFT LANE CLOSED AHEAD 616-10.10 RELOCATED SIGNS W020-6a 48X48 16.00 2 32.0 RIGHT/CENTER/LEFT LANE CLOSED AHEAD RELOCATED SIGNS W020-7a 48X48 16.00 0 FLAGGER (SYMBOL) W021-2 36X36 9.00 FRESH OIL W021-5 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD W021-2 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD W022-1 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD W022-2 42X36 10.50 SHOULDER WORK / SHOULDER WORK AHEAD W022-3 42X36 10.50 SHOULDER WORK AHEAD	WO20-3	48X48	16.00			ROAD CLOSED AHEAD	616-10	0.05			TOTAL			_			1	
W020-5a 48X48 16.00	WO20-4	48X48	16.00			ONE LANE ROAD AHEAD	CONSTR	<u>RUCT I</u>	<u>ON SIG</u>	NS	534						1	
W020-6a 48X48 16.00 2 32.0 RIGHT/CENTER/LEFT LANE CLOSED W020-7a 48X48 16.00 FLAGGER (SYMBOL) W021-2 36X36 9.00 FRESH OIL W021-5 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD W021-1 48X48 16.00 BLASTING ZONE AHEAD W022-1 48X48 16.00 BLASTING ZONE AHEAD W022-2 42X36 10.50 SHOULDER WORK / SHOULDER WORK AHEAD W022-3 42X36 10.50 SHOULDER WORK / SHOULDER WORK AHEAD W022-3 42X36 10.50 SHOULDER WORK / SHOULDER WORK AHEAD W022-1 21X15 2.19 SHOULDER WORK / SHOULDER WORK AHEAD W021-1 21X15 2.19 SHOULDER WORK AHEAD W0	WO20-5	48X48	16.00 4	64.0		RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10	0.10				TOTAL					1	
W020-7a 48X48 16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	RELOCA	ATED	SIGNS								1	
W021-2 36X36 9.00 FRESH OIL W021-5 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD W022-1 48X48 16.00 BLASTING ZONE AHEAD W022-2 42X36 10.50 TURN OFF 2-WAY RADIO AND PHONE W022-3 42X36 10.50 END BLASTING ZONE W022-3 42X36 10.50 END BLASTING ZONE W022-3 21X15 2.19 WET PAINT (ARROW PIVOTS) SUMMARY OF QUANTITIES				32.0					<u></u>								1	
W021-5 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD W022-1 48X48 16.00 BLASTING ZONE AHEAD W022-2 42X36 10.50 TURN OFF 2-WAY RADIO AND PHONE W022-3 42X36 10.50 END BLASTING ZONE G022-1 21X15 2.19 WET PAINT (ARROW PIVOTS) SUMMARY OF QUANTITIES																	1	
W022-1 48X48 16.00 BLASTING ZONE AHEAD W022-2 42X36 10.50 TURN OFF 2-WAY RADIO AND PHONE W022-3 42X36 10.50 END BLASTING ZONE G022-1 21X15 2.19 WET PAINT (ARROW PIVOTS) SUMMARY OF QUANTITIES							_											
W022-2 42X36 10.50 TURN OFF 2-WAY RADIO AND PHONE W022-3 42X36 10.50 END BLASTING ZONE G022-1 21X15 2.19 WET PAINT (ARROW PIVOTS) SUMMARY OF QUANTITIES																		
W022-3 42X36 10.50 END BLASTING ZONE G022-1 21X15 2.19 WET PAINT (ARROW PIVOTS) SUMMARY OF QUANTITIES							_										1	
GO22-1 21X15 2.19 WET PAINT (ARROW PIVOTS)					+		-										1	
					+ +		\dashv									STIMMARY OF OUANTITIES	1	
	302231	21/13	2.19		1	[WINT /WINTON 114010)										-	1	
	I															3.1EE1 2 01 2		





DF MSO HEATHER R BARROWS NUMBER PE-2016040670

A BALLSTON OF THE PART OF

6/30/2025

ROUTE STATE

I - 635 MO

DISTRICT SHEET NO

KC 4

COUNTY
PLATTE
JOB NO.
JKU0095
CONTRACT ID.

PROJECT NO

NOOIL

10N DATE DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATIO
COMMISSION

MACDOT

105 WEST CAPITO
COMMISSION

105 WEST CAPITO
COMMISSION
COMMISS

Sign Spacing, Device Spacing and Channelizing Taper Lengths

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

LONGITUDINA	٩L	BUFFER	SPACE	(B)
SPEED MPH			FER ACE	
0-35		2	:50	
40-45		3	60	
50-55		4	95	
60-70		7	30	

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES							
MINIMUM SPEED TAPER LENGTHS (L) MRH FOR LANE WIDTHS (W)			MAXIMUM CHANNELIZER SPACING				
MPH	FOR LA	WE MIDI	HS (W)	THROUGH	THROUGH		
	10 FT	11 FT	12 FT	FT TAPER	WORK AREA		
0-35	205	225	245	35	40		
40-45	450	495	540	40	80		
50-55	550	605	660	50	80		
60-70	700	770	840	60	120		

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

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

FOR SHOULDER TAPER USE L/3

WHERE:

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED IN MPH

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

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

TRAFFIC CONTROL DEVICES

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.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
- 4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- 6. LOCATE FLASHING ARROW PANEL AT BEGINNING OF
 TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS
 LOCATED BEHIND CHANNELIZERS OR CONES.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)

FLAGGER

- ▲ DIRECTION INDICATOR BARRICADE
- CHANNELIZER

BARRICADE

CHANGEABLE MESSAGE BOARD

FLASHING ARROW PANEL

TMA (TRUCK MOUNTED ATTENUATOR) WITH FLASHING ARROW PANEL BARROWS

WIMBER
PE-20160/0670

PE-20160/0670

DATE PREPARED

6/30/2025

ROUTE

I - 635

MO

DISTRICT

SHEET NO.

KC

5

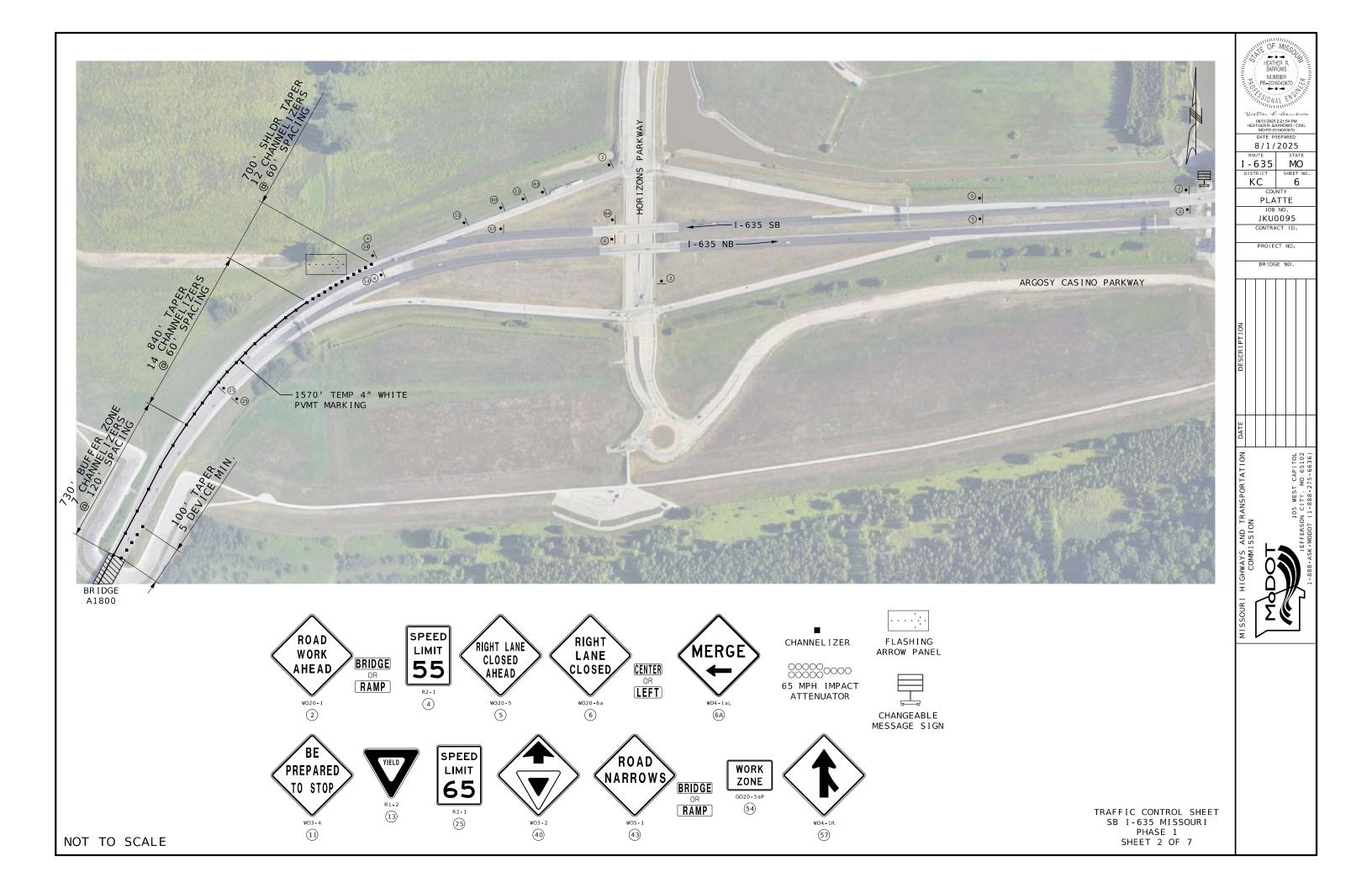
COUNTY
PLATTE

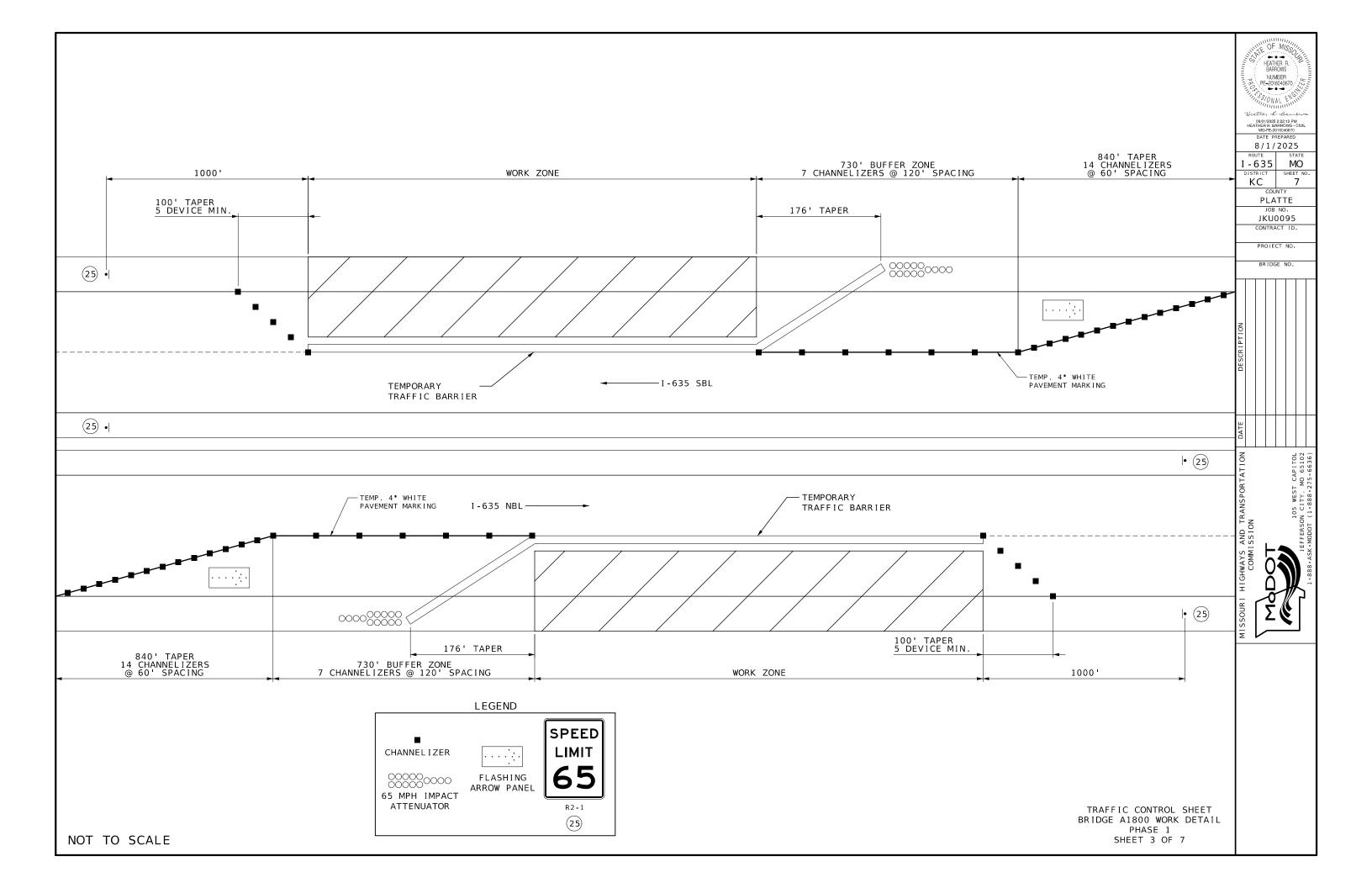
JOB NO.
JKU0095

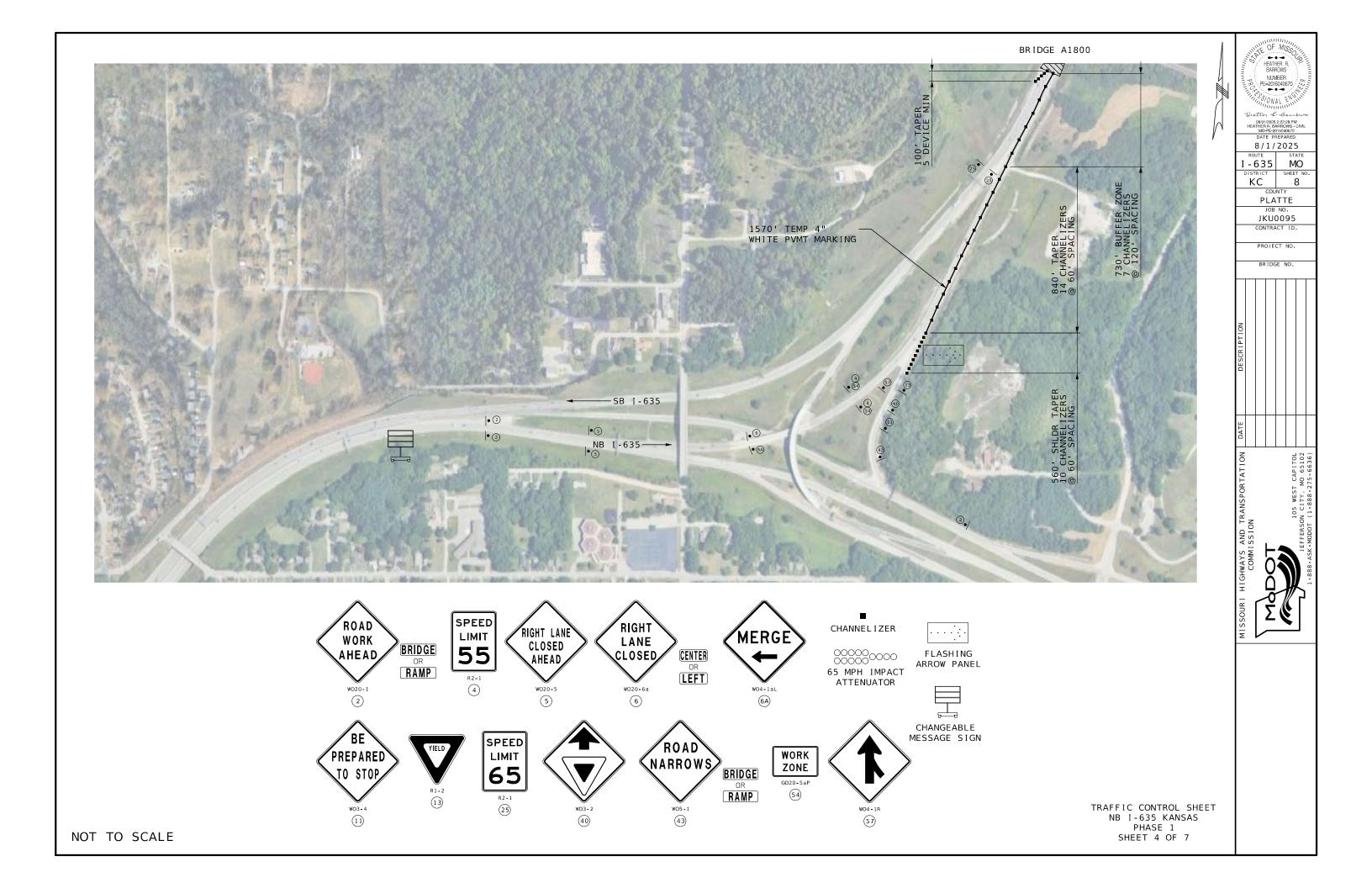
CONTRACT ID.

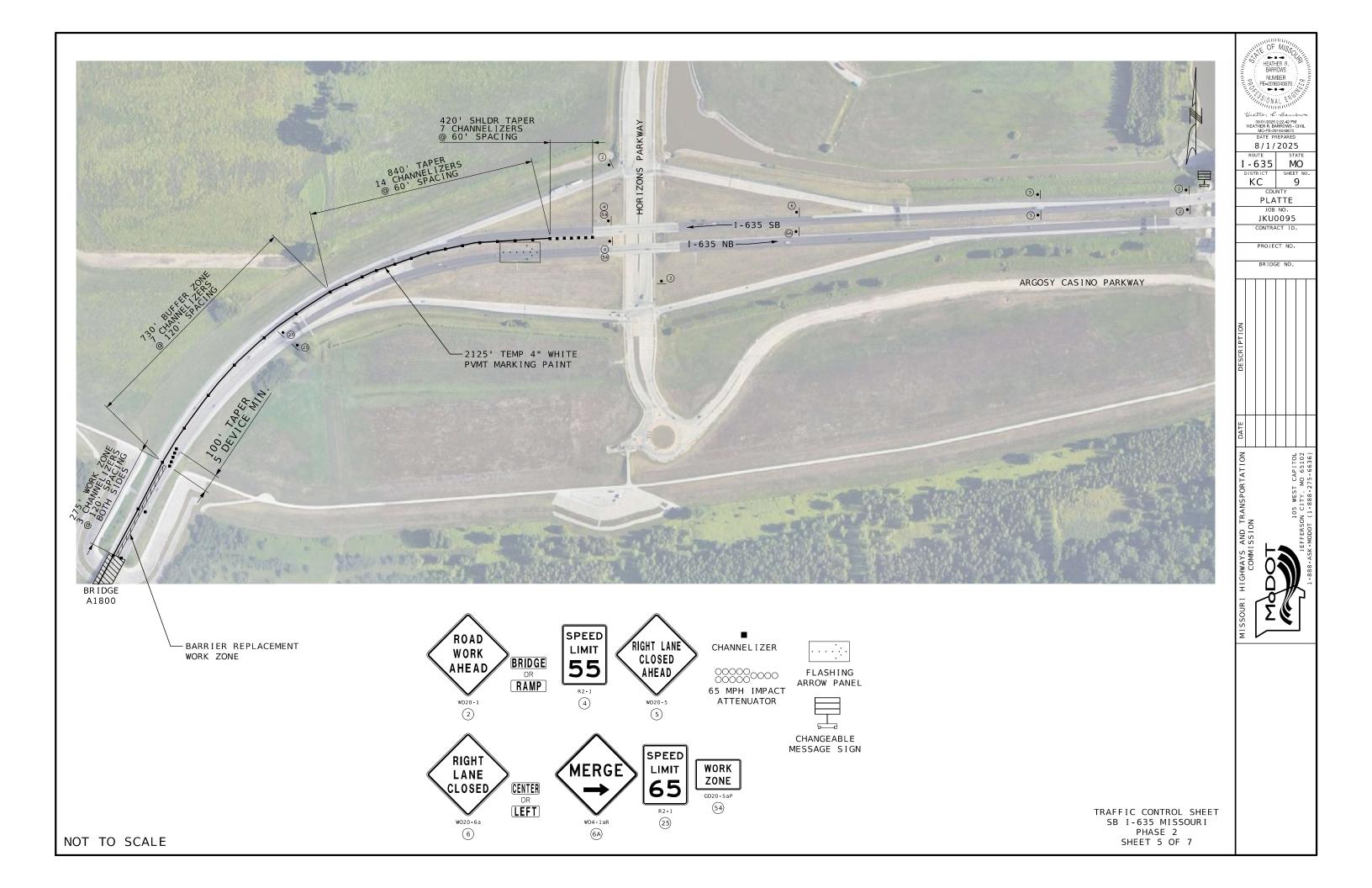
PROJECT NO.

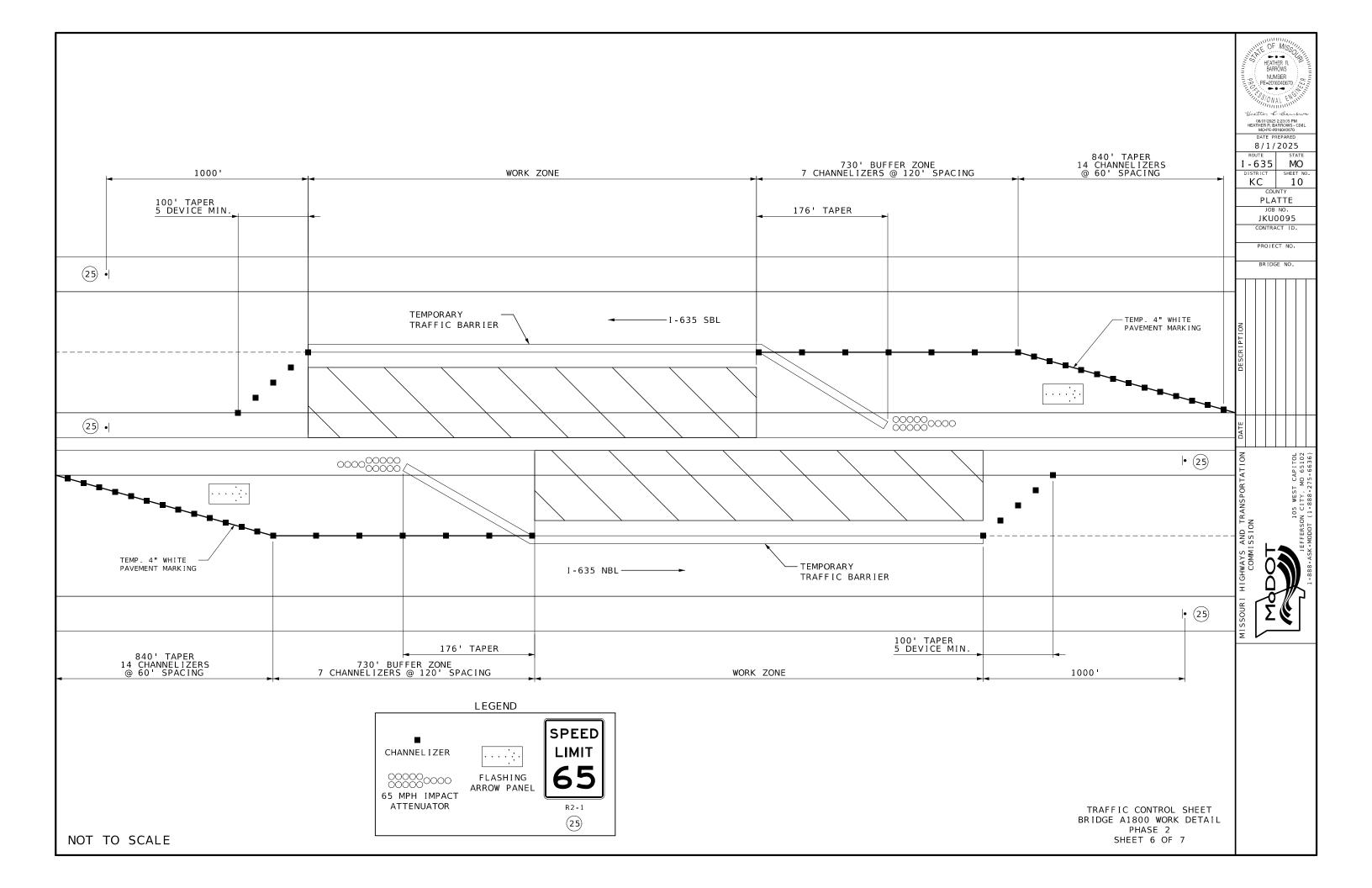
BRIDGE NO.

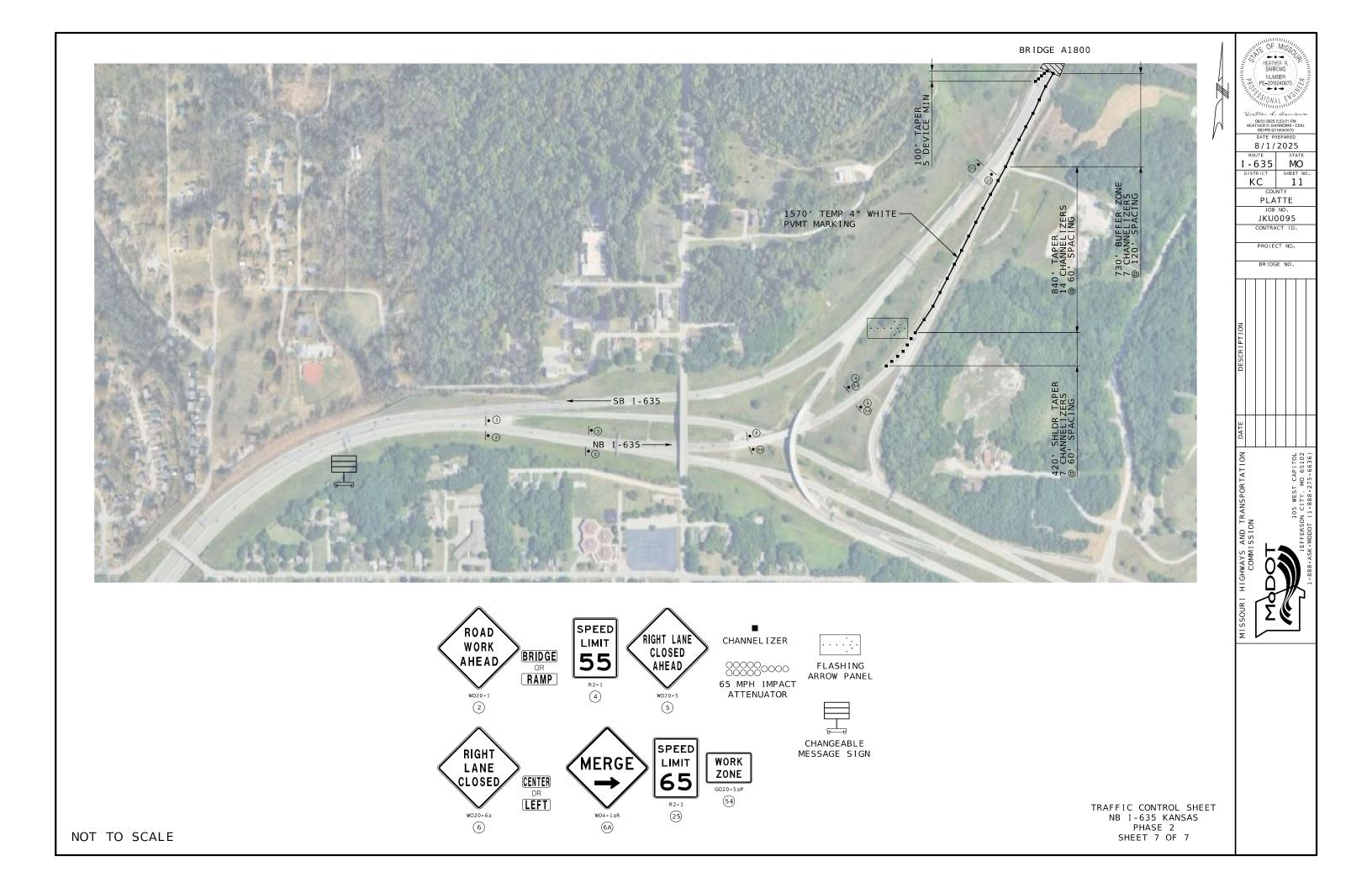




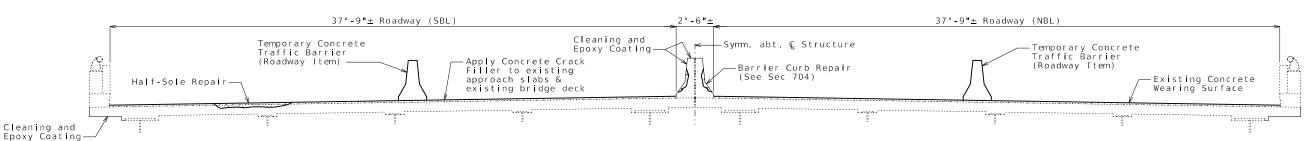








U.I.P. AND REHABILITATE EXISTING (268'-425'-325'-25')(172'-222'-172') CONTINUOUS PLATE GIRDER SPANS



General Notes:

Design Specifications:

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

Design Loading:

HS20-44 Modified and Military 24,000 lb Tandem Axle (1968)

Design Unit Stresses:

Class B-1 Concrete (Barrier) Class B-2 Concrete (Half-Sole and Full Depth Repair) f'c = 4 000 nsiReinforcing Steel (ASTM A615 Grade 60)

Fabricated Steel Connections:

Field connections shall be made with 3/4-inch diameter ASTM F3125 Grade A325 Type 1 bolts and 13/16-inch diameter holes, except as noted.

loint Filler

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown. Structural Steel Protective Coatings:

Protective Coating: System G in accordance with Sec 1081.

Surface Preparation: Surface preparation of the existing and new steel shall be in accordance with Sec 1081 for Recoating of Structural Steel (System G) with inorganic zinc primer. 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

Field Coat(s): The color of the field coat(s) 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 contract unit price per sq. foot for Finish Field Coat (System G).

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.

Contractor shall verify all dimensions in field before finalizing the shop drawings.

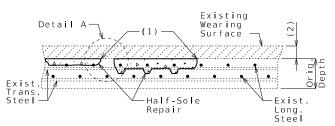
In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface as snown on various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered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

Traffic Handling:

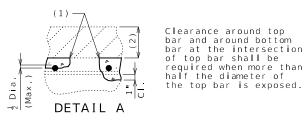
Traffic to be maintained on structure during construction. See roadway plans for traffic control.

TYPICAL SECTION THRU EXISTING DECK

Note: Temporary barrier should not be pinned to deck



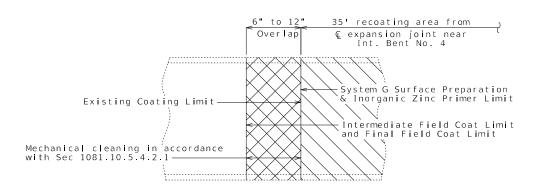
HALF-SOLE REPAIR



(1) 1" vertical side shall be established outside the deteriorated area.

(2) Existing 2 1/4" low slump concrete wearing

Estimated Quantities		
I t em		Total
Substructure Repair (Formed)	sq. foot	80
Half-Sole Repair	sq. foot	250
Cleaning and Epoxy Coating	sq. foot	21,450
Concrete Crack Filler	sq. yard	14,339
Barrier Curb Repair	sq. foot	400
Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
Surface Preparation for Recoating Structural Steel	sq. foot	11,600
Field Application of Inorganic Zinc Primer	sq. foot	11,600
Intermediate Field Coat (System G)	sq. foot	11,600
Finish Field Coat (System G)	sq. foot	11,600
Fatigue Crack Repair	each	2
Bearing Stiffener Repair	each	2
Stiffener Repair	each	2
Girder Flange Repair	each	1
Strip Seal	linear foot	151



PART ELEVATION SHOWING LIMITS OF PAINT OVERLAP

(Vertical or horizontal paint limit. Horizontal limit shown)

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

> REPAIRS TO BRIDGE: ROUTE I-635 OVER MISSOURI RIVER & UNION PACIFIC R.R.

ROUTE I-635 FROM ROUTE 69 TO ROUTE 5 (KANSAS) ABOUT 1.4 MILES WEST OF ROUTE 69 BEGINNING STATION 3+87.67± (Match Existing)

Detailed Apr. 2025

TED S. KOESTER NUMBER PE-201300059 SONAL EN 07/31/2025 3:29:37 PM TED S. KOESTER - CIVIL MO-PE-2013000591

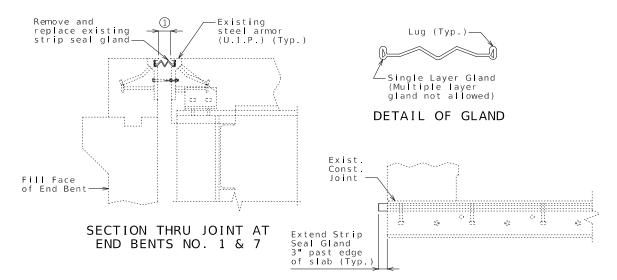
7/31/2025 I - 635 MO SHEET NO

BR 1 PLATTE JKU0095 CONTRACT ID.

PROJECT NO.

A18004





Notes:

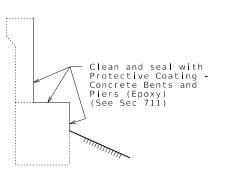
The strip seal gland shall be installed in joints in one continuous piece without field splices. Factory splicing will be permitted for joints in excess of 53 feet.

② The installation temperature shall be taken as the actual air temperature averaged over the 24-hour period immediately preceding installation.

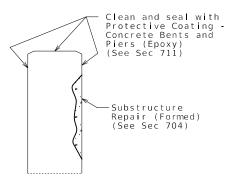
③ MoDOT Construction personnel will indicate the strip seal expansion joint system installed. SECTION THRU EDGE OF SLAB NEAR JOINT AT END BENTS NO. 1 & 7

Table of Allowed Transverse Strip Seal Expansion Joint System @ End Bent No. 1								
Manufacturer	Strip Seal System (Designated Name)	Movement Parallel to RDWY	el 1 Normal to Joint at RDWY Surface				(3)	
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	@ 80°F	
D S Brown	Strip seal L2-400	3 1 "	2 7 16	2 3 "	2"	1 ¹³ / ₁₆ "	1 9 16	
D S Brown	Strip seal L2-500	3 1 8"	2 7 16	2 3 "	2"	1 ¹³ / ₁₆ "	1 9 16 °	
Watson Bowman Acme (Wabo)	Strip seal SE-400	3 1 8"	2 7 16	2 3 "	2"	1 13 "	1 ⁹ / ₁₆ •	
Watson Bowman Acme (Wabo)	Strip seal SE-500	31"	2 7 •	2 3 16"	2"	1 ¹³ / ₁₆ "	1 9 16 m	

Table of Allowed Transverse Strip Seal Expansion Joint System @ End Bent No. 7									
Manufacturer	Strip Seal System (Designated Name)	Movement Parallel to RDWY	Parallel (1) Normal to Joint at RDWY Surface				(3)		
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	@ 80°F	@ 90°F	
D S Brown	Strip seal L2-400	2"	2 1 "	2 1 8"	2 •	1 7 "	1 ³ / ₄ "	1 5 "	
D S Brown	Strip seal L2-500	2"	2 1 "	2 1 8"	2 •	1 7 8"	1 ³ / ₄ "	15"	
Watson Bowman Acme (Wabo)	Strip seal SE-400	2"	2 1 "	2 1 8"	2 •	1 7 8"	1 ³ / ₄ "	1 5 "	
Watson Bowman Acme (Wabo)	Strip seal SE-500	2"	2 1 "	2 1 "	2 •	1 7 "	1 ³ / ₄ "	1 5 "	



TYPICAL SECTION THRU
END BENTS NO. 1 & 7 SHOWING
PROTECTIVE COATING



TYPICAL SECTION THRU
INT. BENTS NO. 2 THRU 6
SHOWING PROTECTIVE COATING



DATE PREPARED 7/31/2025

ROUTE STATE

I - 635 MO

DISTRICT SHEET NO
BR 2

PLATTE
JOB NO.
JKU0095
CONTRACT ID.

PROJECT NO.

A18004

DATE DE

SSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MODOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102