	DIGIN
INCLUDED THIS	BEGIN WITH
PROJECT	SHEET
ROADWAY	1
PERMANENT SIGNS	1001
TRAFFIC SIGNALS	
ITS COMPONENTS	
(RESERVED)	
ROADWAY STANDARD DWGS	
BOX CULVERT STD. DRAWINGS	(LRFD) 7001
BOX CULVERT STD. DRAWINGS	(STD. SPEC.)7501
BRIDGE	8001
CROSS SECTIONS	

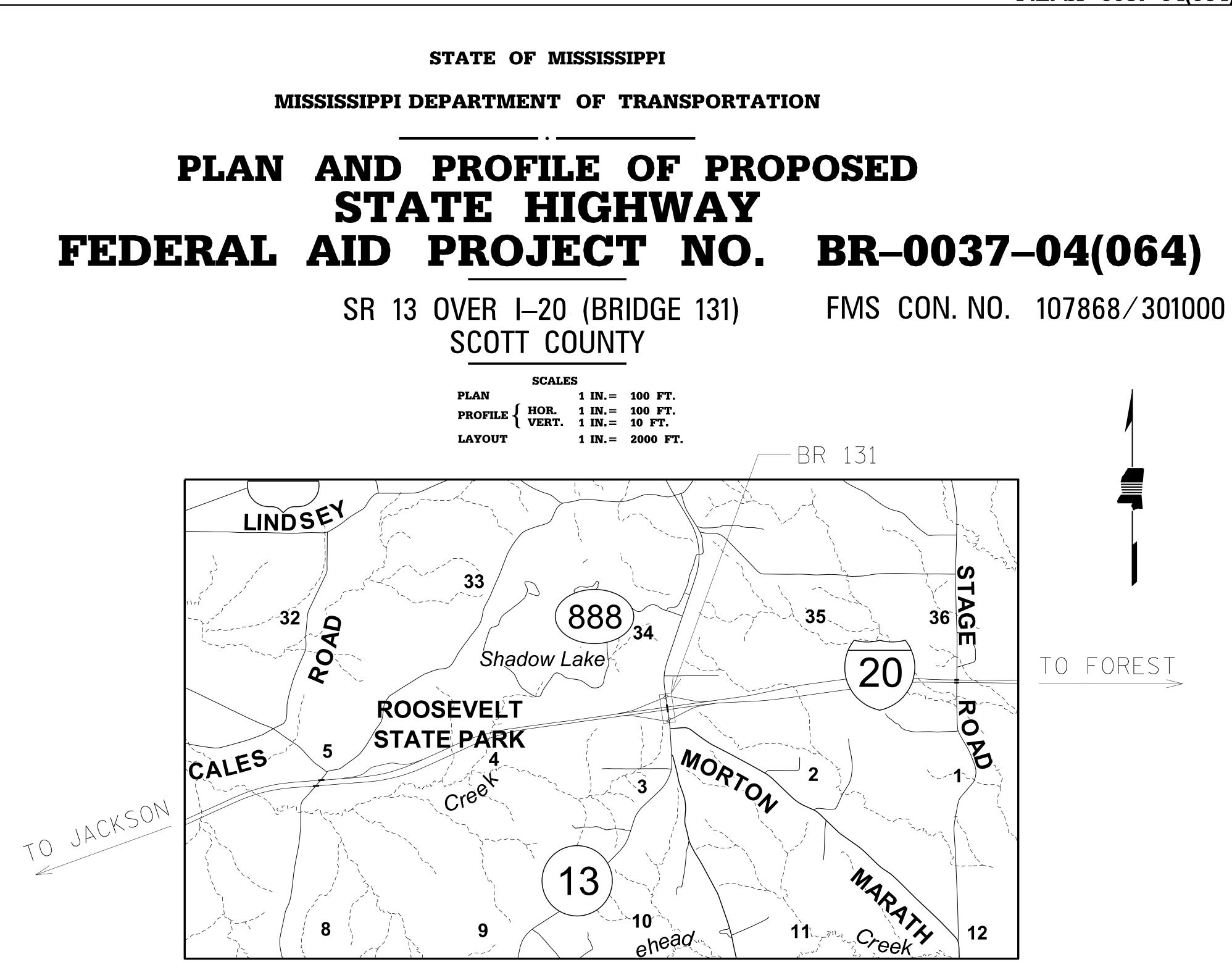
BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.

CONVENTIONAL SYMBOLS

COUNTY	Y LI	NE		·····				
TOWN (CORP	ORATI	ION	LINE				
SECTIO	ON L	INE		·····	\$ 	- 2-		§—
EXIST	ING	ROAD	OR	TRAVELED	WAY	— —		• ·
PROPOS	SED	ROAD	OR	TRAVELED	WAY			
RAILRO	DAD			=				<u>†</u>
SURVE	Y LI	NE		·····			0	
BRIDGI	IS			······		Ц		

LENGTH OF ROADWAY LENGTH OF BRIDGES LENGTH OF PROJECT (NET) LENGTH OF EXCEPTIONS LENGTH OF PROJECT (GROSS)



EQUATIONS

EXCEPTIONS

LENGTH DATA

FT.	MI.
FT.	 MI.
	MI.
FT.	MI.
	MI.

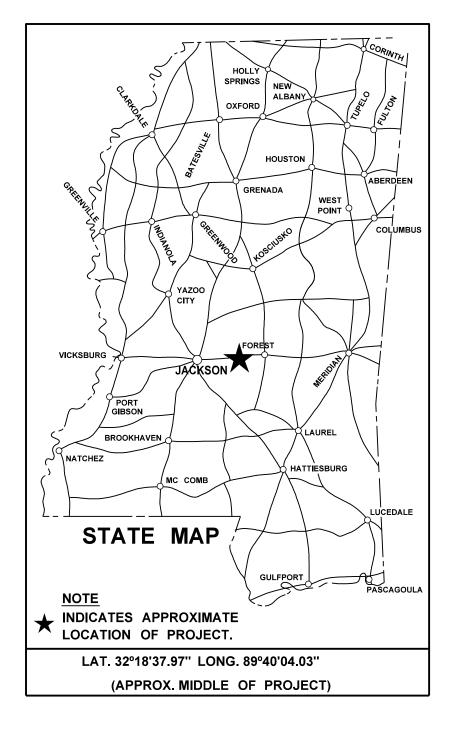
BR-0037-04(064)

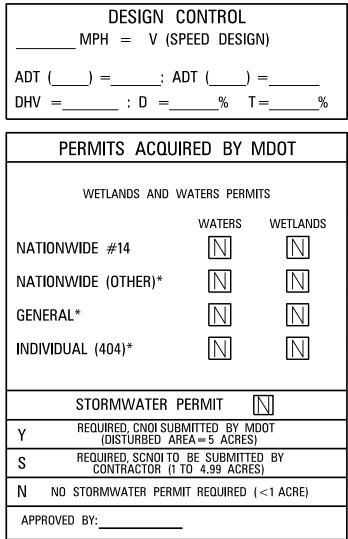
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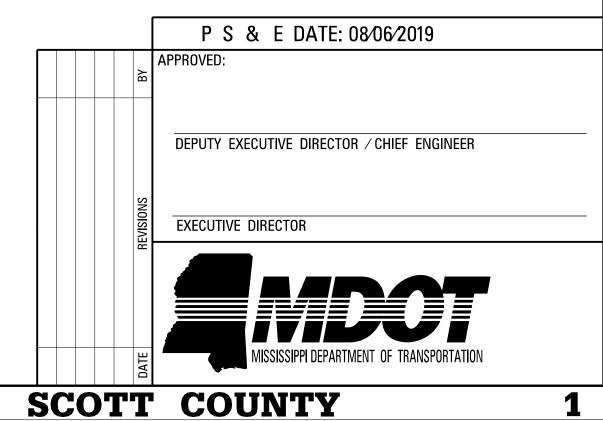
TO FORES

107868/101000

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	BR–0037–04(064)	1









1st O.REV.

DESCRIPTION OF SHEET

<u>TITLE SHEET (1)</u>

DETAILED INDEX & GENERAL NOTES (2)

DETAILED INDEX

GENERAL NOTES

QUANTITY SHEETS (2)

SUMMARY OF QUANTITIES

ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS

SPECIAL DESIGN SHEETS (2)

DETAILED CONSTRUCTION SIGNING

DETAILED CONSTRUCTION SIGNING

TRAFFIC CONTROL PLAN

TRAFFIC CONTROL PLAN

			FMS CON: 107868/301000
			STATE PROJECT NO.
			MISS. BR-0037-04(064)
	DETAILED I	NDEX	
<u>WKG. NO.</u>	<u>SH. NO.</u>	DESCRIPTION OF SHEET WKG. N	<u>O. SH. NO.</u>
	1	TRAFFIC CONTROL PLAN TC-3	10
		STANDARD DRAWINGS - ROADWAY SHEETS (5)	
DI-1	2	TRAFFIC CONTROL PLAN FOR POSTED TCP-4	6354
GN-1	3	SPEED LIMIT OF 65 OR 70 MPH	
	5	(INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE)(EXTENDED PERIOD)	
		TRAFFIC CONTROL PLAN FOR POSTED TCP-5	6355
SQ-1	4	SPEED LIMIT OF 65 OR 70 MPH	
		(INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS)	
TCP-Q	5	(MEDIAN LANE OR OUTSIDE LANE CLOSURE)(WORK DAY ONLY)	
		HIGHWAY SIGN AND BARRICADE DETAILS TCP-8	6358
		FOR CONSTRUCTION PROJECTS	
DCS-1	6		
		DETAILS OF OUTSIDE LANE CLOSURE AT TCP-10	6360
DCS-2	7	EXIT AND ENTRANCE RAMPS	
TC-1	8	TRAFFIC CONTROL DETAILS DRUM	6366
		PLACEMENT AND SHOULDER CLOSURE	
TC-2	9		
		TOTAL SHEETS 15 (NOT INCLUDING BRIDGE SHEETS)	
		PS & E PLANS-DATE Ø8/Ø6/19 FMS CON. # 107868/301000	ARTMENT OF TRANSPORTATION
		REVISIONS DETAILED IN	
		DATE SHEET NO. BY	TRANSPORT
		9/4/2019 4,5 & 7 JCF	TION TO A
			37-04(064)
			DI-1 SHEET NUMBER
		☐ FILENAME: <u>DI.dgn</u> ☐ design team <u>e.green</u>	CHECKEDDATE_07/01/19 2

			FMS	5 CON: 107868 / 301000
			STATE	PROJECT NO.
			MISS.	BR-0037-04(064)
N OF SHEET		WKG. NO.	SH NC	
		<u> </u>	<u> </u>	<u>.</u>
			10	
OL PLAN		TC-3	10	
AWINGS - ROADWAY SHEETS (5)				
OL PLAN FOR POSTED		TCP-4	6354	
65 OR 70 MPH				
HER 4-LANE DIVIDED HIGHWAYS)				
TSIDE LANE CLOSURE)(EXTENDED PERIOD)				
OL PLAN FOR POSTED		TCP-5	6355	
65 OR 70 MPH				
HER 4-LANE DIVIDED HIGHWAYS)				
TSIDE LANE CLOSURE)(WORK DAY ONLY)				
			6050	
AND BARRICADE DETAILS		TCP-8	6358	
TION PROJECTS				
SIDE LANE CLOSURE AT		TCP-10	6360	
ANCE RAMPS			0000	
AINCE NAIVIES				
OL DETAILS DRUM		TCP-16	6366	
D SHOULDER CLOSURE				
15 (NOT INCLUDING BRIDGE SHEET	<u>S)</u>			
PS & E PLANS-DATE Ø8/Ø6/19				
FMS CON. # 107868/301000		SSISSIPPI DEPARTM	ENT OF TI	RANSPORTATION
REVISIONS		ETAILED INDEX		
DATE SHEET NO. BY				NINT OF TRANSPORT
9/4/2019 4,5 & 7 JCF	SION			DE PAR
	REVI			TI SSI SSI PP
		OJ.NO.: BR-0037-04 UNTY: SCOTT	(064)	WORKING NUMBER
	++++	ENAME: <u>DI.dgn</u>		DI-1 SHEET NUMBER
	\triangleleft	N TEAM <u>E. GREEN</u> CHECKED	DATE07/	<u>/01/19</u> 2

- (1) THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC
 (7) STORAGE OF FLAMMABLE MATER
 CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS
 UNDER ANY BRIDGE STRUCTURES
 NECESSARY TO FIT FIELD CONDITIONS.
- (2) ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- (3) ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING **REMOVAL OF RAISED PAVEMENT** (9) (4) EXISTING STRUCTURES SUCH AS, BUT NOT LIMITED TO, PIPES, WITH REQUIRED CONSTRUCTION PAY ITEM. COST TO BE ABSORBE INLETS, APRONS, AND BRIDGES FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY TEMPORARY STRIPING SHALL CO (10)SPECIFICATIONS FOR ALIGNMEN STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF (11) SEE BRIDGE PLANS FOR DETAILED DAMAGED ITEMS.
- (5) FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL
 CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE
 DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER
 ON WHITE BACKGROUND.
- (6) THE CONTRACTOR SHALL COVER ANY TEMPORARY TRAFFIC
 CONTROL SIGNS SHOWN IN THE TRAFFIC CONTROL PLAN THAT DO
 NOT APPLY TO THE CURRENT PHASE.

GENERAL NOTES

(8) THE CONTRACTOR SHALL COORD
 FROM ADJACENT PROJECT(S) IN II
 CONTROL PLAN AS DIRECTED BY
 SIGNS SHALL BE COVERED OR REP
 ENGINEER.

- 11) SEE BRIDGE PLANS FOR DETAILED SUMMARY OF QUANTITY SHEETS,
- (12) ALL ADDENDA TO THESE PLANS W
 WWW.MDOT.MS.GOV UNDER TH
 BIDDERS ARE ADVISED THAT HAR
 THIS PROJECT WILL NOT BE MAILED.
 TO CHECK AND SEE IF ANY ADDEN
 THIS PROJECT.

	F	MS CON: 107868/301000
	STATE	PROJECT NO.
	MISS.	BR-0037-04(064)
RIALS WILL NOT BE ALLOWED S.		
DINATE WITH THE CONTRACTOR IMPLEMENTING THE TRAFFIC		
THE ENGINEER. ALL CONFLICTING MOVED AS DIRECTED BY THE		
MARKERS THAT ARE IN CONFLICT N IS NOT CONSIDERED A SEPARATE D IN OTHER ITEMS BID.		
NFORM TO FINISHED STRIPE T, NEATNESS, AND STRAIGHTNESS.		
D INDEX SHEET(S), ESTIMATED AND 5, AND EROSION CONTROL SHEETS.		
WILL BE POSTED TO HE PROPOSAL ADDENDA COLUMN. RD COPIES OF ANY ADDENDA FOR . IT IS THE BIDDER'S RESPONSIBILITY NDA HAVE BEEN POSTED FOR		
MISSISSIPPI DEPARTME GENERAL NOTES PROJ. NO.: BR-0037-04(0 COUNTY: SCOTT		WORKING NUMBER
How South How South How South	DATE	GN-1 SHEET NUMBER 3

1st O.REV.

	SUMMARY OF QUANTITIES (SHEET 1)					
PAY ITEM NO.	PAY ITEM	UNIT	SCOTT : 107868	8-301000	301000	
PAT ITEM NO.		UNIT	Prelim	Final		
618-A001	Maintenance of Traffic	LS	1			
619-A1002	Temporary Traffic Stripe, Continuous White	LF	530			
619-A2002	Temporary Traffic Stripe, Continuous Yellow	LF	265			
619-A4001	Temporary Traffic Stripe, Skip Yellow	LF	265			
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	32			
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	463			
907-619-E3001	Changeable Message Sign	EA	7			
619-G4001	Barricades, Type III, Double Faced	LF	24			
619-G4005	Barricades, Type III, Single Faced	LF	96			
619-G7001	Warning Lights, Type "B"	EA	12			
620-A001	Mobilization	LS	1			
626-C001	6" Thermoplastic Double Drop Edge Stripe, Continuous White	LF	530			
626-D002	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow	LF	265			
626-E002	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	LF	265			
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	7			

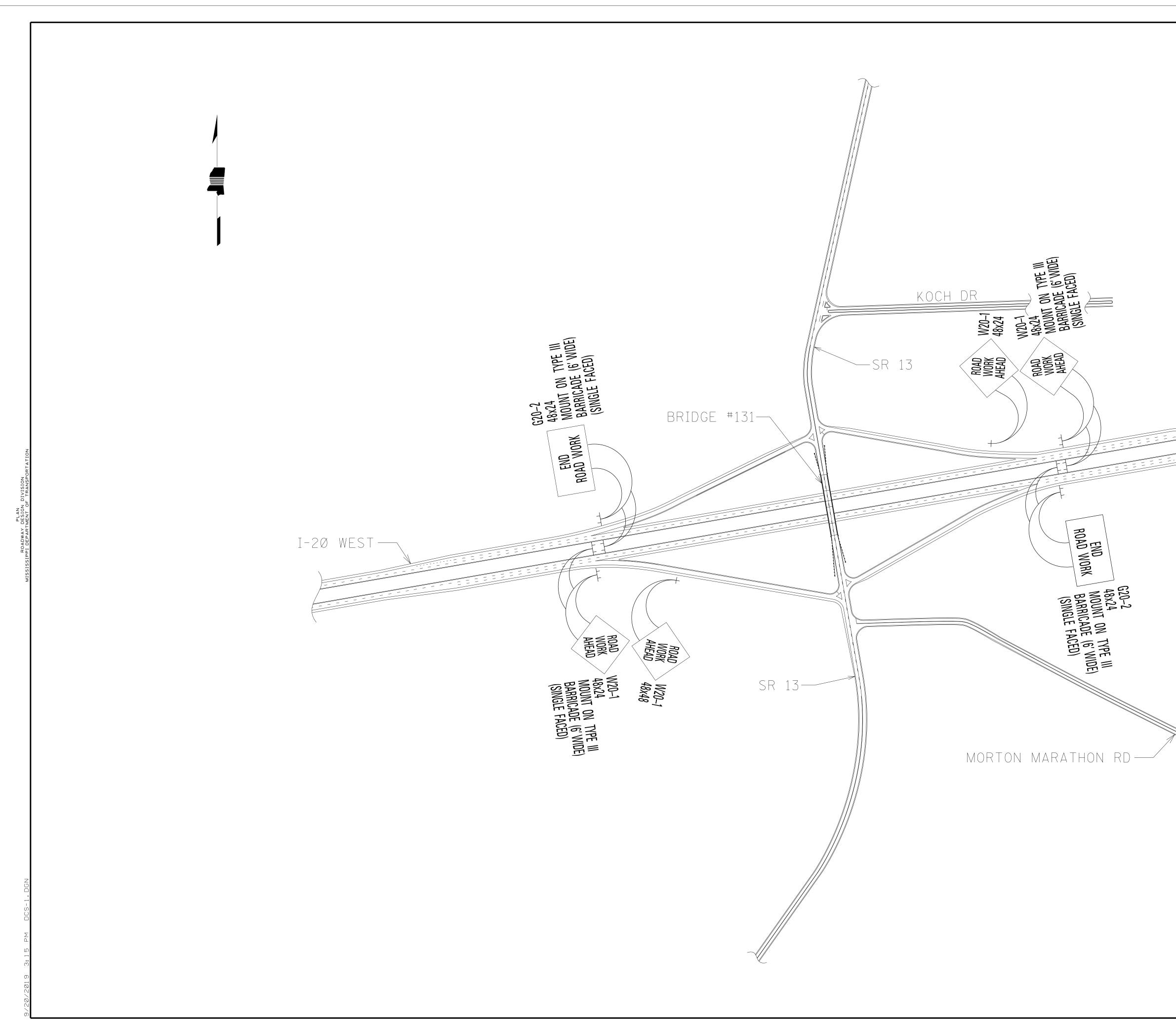
FMS: 107868-301000

			STATE	PROJECT	ΓNO.
			MISS	BR-0037-0	דיטטד)
(1				CHANGEABLE MES	SAGE
Ċ					
		SIGNS	IO BE L	DETERMINED BY T	HE
		ENGIN	FFR		
$\overline{\mathbf{A}}$					
\bigtriangledown		MISSIS	ΣΙΡΡΙ DFF	PARTMENT OF TRANS	SPORTATION
JF ▲	>			PARTMENT OF TRANS	SPORTATION
JF ⊥	>			PARTMENT OF TRANS	SPORTATION
	>				
	>				
	By				OF TRANSPORTATION
	By				
	By				DE TRANSPORTATION
	Revision By	SUMMAI	RY OF QU	ANTITIES	DI TRANSPORTATION TRANSPORTATION TRANSPORTATION TRANSPORTATION TRANSPORTATION
	Revision By	SUMMAI	RY OF QU D: BR-003		Working Number
REMOVED PAY ITEM #619-C7001 JF AND ADDED PAY ITEM # 627- JF L001.	Revision By	SUMMAI	RY OF QU	ANTITIES	DI TRANSPORTATION TRANSPORTATION TRANSPORTATION TRANSPORTATION TRANSPORTATION

FILENAME: SQ Design Team <u>E. GREEN</u> 4 Checked Date

	st O.R		SIGNS	REQU	JIRED				S	SIGNS	REQU	IRED				2	SIGNS	REQL	JIRED	
	SIGN NO.	SIZE	UNIT AREA SQ.FT.	QUAN. REQ'D.	TOTAL SIGN AREA SQ.FT.	REMARKS		SIGN NO.	SIZE	UNIT AREA SQ.FT.	QUAN. REQ'D.	TOTAL SIGN AREA SQ.FT.	REMARKS	SIGN N	10.	SIZE	UNIT AREA SQ.FT.	QUAN. REQ'D.	TOTAL SIGN AREA SQ.FT.	REMARKS
	G2Ø - 1	60" X 24"				ROAD WORK NEXT X X MILES		R1 - 3	18" X 9"	1.13			3-WAY, <u>1</u>	W1 - 7	7	60" X 30"	12.50			\leftrightarrow
î	G2Ø - 2	48" X 24"	8.00	6	48	END ROAD WORK		R1 - 3	24" X 12"	2.00			4 WAY ETC. 2	W1 - 8	3L	18" X 24"	3.00			
	G2Ø - 4	36″ X 18″	4.50			PILOT CAR FOLLOW ME	-	R2 - 1	24" X 30"	5.00				W1 - 8		36" X 48"	12.00			
							6	R2 - 1 R2 - 1	36" X 48" 48" X 60"	12.00 ♦ 20.00 ♦			SPEED LIMIT (2)	W1 - 8 W1 - 8		18" X 24" 36" X 48"	3.00 12.00 ♦			
1	M1 - 1	24″ X 24″	4.00			1 OR 2 DIGIT		R3 - 1	36" X 36"	9.00				W1 - 2 W1 - 2		48" X 48"	16.00			2
1	M1 - 1	30″ X 24″	5.00			3 DIGIT		R3 - 1	48" X 48"	16.00 ♦				W1 - 9		48" X 48"	16.00			\$
2	M1 - 4	24" X 24"	4.00			1 OR 2 DIGIT		R3 - 2	36″ X 36″	9.00				W3 - 1	10	48″ X 48″	16.00			<u> </u>
2	M1 - 4	30″X 24″	5.00			3 DIGIT	_	R3 - 2	48" X 48"	16.00 ♦						0 - 7 0-	10.00			\cup
_		24″ X 24″	4.00				-	R3 - 4	36" X 36"	9.00										
3 र	M1 - 5 M1 - 5	24 x 24 30″ X 24″	5.00			1 OR 2 DIGIT 3 DIGIT	-	R3 - 4 R3 - 5L	48″ X 48″ 30″ X 36″	16.00♦ 7.50				W3 -	2a	48" X 48"	16.00 ♦			$\overline{\nabla}$
		50 X 21	5.00			5 01011	-	R3 - 5R	30″ X 36″	7.50										
ī	M3 - 1	24" X 12"	2.00			NORTH- 1 OR 2 DIGIT RTE. MARKER	1	R3 - 6L	30″ X 36″	7.50				W3 -	3	48″ X 48″	16.00 (
4	M3 - 1	30″ X 15″	3.13			NORTH- 3 DIGIT RTE, MARKER		R3 - 6R	30″ X 36″	7.50			1	W3 -	5	48" X 48"	16.00 🖣			SPEED REDUCT
4	M3 - 2	24" X 12"	2.00			EAST- 1 OR 2 DIGIT RTE. MARKER	4	R3 - 7L	30″ X 30″	6.25			LEFT LANE MUST	W4 -	1L	48″ X 48″	16.00 ♦			t l
<u>ال</u> ا	M3 - 2	30" X 15"	3.13			EAST- 3 DIGIT RTE. MARKER SOUTH- 1 OR 2	-						TURN LEFT							1
╧╢	M3 - 3 M3 - 3	24″ X 12″ 30″ X 15″	2.00 3.13			SOUTH- 1 OR 2 DIGIT RTE. MARKER SOUTH- 3 DIGIT RTE. MARKER	-	R3 - 7R	30″ X 30″	6.25			RIGHT LANE MUST TURN RIGHT	W4 -	1R	48″ X 48″	16.00 (t
	M3 - 4	24" X 12"	2.00			DIGIT RTE. MARKER WEST- 1 OR 2 DIGIT RTE. MARKER	-		24" X 30"	5.00			(1)							
	M3 - 4	30″ X 15″	3.13			WEST- 3 DIGIT RTE. MARKER		R4 - 1	48" X 60"	20.00			DO NOT PASS	W4 -	2L	48″ X 48″	16.00 🜢			/
								R4 - 2	24" X 30"	5.00			PASS WITH CARE	W/ 4	20		10.00			11
								π4 - Ζ	48" X 60"	20.00 ♦			(2)	W4 -	28	48″ X 48″	16.00 ♦			
	M4 - 8	24" X 12"	2.00			DETOUR- 1 OR 2 DIGIT RTE. MARKER	_	R4 - 7	48" X 60"	20.00♦			1	W5 -	1a	48″ X 48″	16.00 ♦			
	M4 - 8	30″X 15″	3.13			DETOUR- 3 DIGIT RTE. MARKER	-	R4 - 8	48" X 60"	20.00										NARROWS
	M4 - 9	48″ X 36″	12.00 (DETOUR		R5 - 1 R5 - 1a	48" X 48" 42" X 30"	16.00 ♦ 8.75			DO NOT ENTER WRONG WAY	W6 -	1	48″ X 48″	16.00 🜢			\$ * 7
						DETOUR	-	R6 - 1L	36" X 12"	3.00										
	M4 - 9L	48″ X 36″	12.00 <			—		R6 - 1R	36" X 12"	3.00				W6 -	2	48″ X 48″	16.00 ♦			4,5
	M4 - 9BL	48″ X 36″	12.00 4			DETOUR		R6 - 2L	24″ X 30″	5.00			ONE WAY	W6 -	٦	48″ X 48″	16.00 ♦			14
			12100				_			5.00										*I
	M4 - 9SL	48″ X 36″	12.00 (DETOUR		R6 - 2R	24" X 30"	5.00			ONE WAY	W8 -	1	48" X 48"	16.00 ♦			BUMP
						DE <u>T</u> OUR	-							W8 -	4	48″ X 48″	16.00 ♦			SOF T SHOULDER
	M4 - 9BSL	48″ X 36″	12.00 (R11 - 2	48″ X 3Ø″	10.00♦	2	20	ROAD CLOSED	W8 -	6	48″ X 48″	16.00 ♦			TRUCK CROSSI
	M4 - 9R		10 00			DETOUR		R11 - 3a	60″ X 30″	12.50 ♦			ROAD CLOSED XX MILES AHEAD	W8 -		48" X 48"	16.00 ♦			LOOSE GRAVE
		48″ X 36″	12.00			→		R11 - 3b	60" X 30"	12.50♦			BRIDGE OUT XX MILES AHEAD	W8 -	9	48" X 48"	16.00 ♦			LOW SHOULDE
	M4 - 9BR	48″ X 36″	12.00			DETOUR		R11 - 4	60" X 30"	12.50 ♦			ROAD CLOSED TO THRU TRAFFIC	W8 -		36" X 36"	9.00			UNEVEN LANE
							-						WEICHT	W8 -		48" X 48"	16.00			NO CENTER STI
	M4 - 9SR	48″ X 36″	12.00 (DETOUR		R12 - 1	36″ X 48″	12.00 ♦			WEIGHT LIMIT	W1Ø - W1Ø -		36″ DIA. 48″ DIA.	7.07 12.56 ♦			
						DETOUR	-						XX TONS	W10 -		24" X 24"	4.00			XX MPH
	M4 - 9BSR	48″ X 36″	12.00 (7	7		36″ X 48″	12.00 ♦			WHEN WORKERS ARE PRESENT	W14 -		36"X48"X48"	5.56			NO
	M4 - 10L	48" X 18"	6.00				67	R16- 3	48" X 60"	20.00 ♦			SPEEDING FINES DOUBLED	VV14 -	J	48″X64″X64″	9.89			PASSING ZONE
	M4 - 1ØR	48" X 18"	6.00											W16-2		24" X 18"	3.00			XXX FEET
							_	W1 - 1L	48″ X 48″	16.00 ♦				W19 -		48" X 48"	16.00	1.4	004	BRIDGE MAY ICE IN COLD W
7	M4 - 5	24″ X 12″	2.00			ТО	-	W1 - 1R W1 - 2L	48" X 48" 48" X 48"	16.00 ♦ 16.00 ♦				W2Ø - W2Ø -		48" X 48"	16.00 ♦ 9.00	14	224	ADVANCE ROAD WORK
	M5 - 1L	21″ X 15″	2.00			TO TO	-	W1 - 2R	48″ X 48″	16.00				W20 -		36″ X 36″ 48″ X 48″	16.00 ♦			ADVANCE DETO
	M5 - 1R	21" X 15"	2.19			F		W1 - 3L	48" X 48"	16.00 ♦			\$	W2Ø -		48″ X 48″	16.00	12	192	ADVANCE ROAD CLO
4	M5 - 2L	21" X 15"	2.19			5		W1 - 3R	48″ X 48″	16.00 ♦										
4	M5 - 2R	21" X 15"	2.19			7		W1 - 4aL	48" X 48"	16.00 ♦			\$	W2Ø -	4	48" X 48"	16.00 ♦			ADVANCE ONE-LN. R
4	M6 - 1L	21" X 15"	2.19			+	_	W1 - 4aR	48" X 48"	16.00 ♦						48" X 48"	16.00 ♦			ADVANCE ONE-LN. BF
	M6 - 1R	21" X 15"	2.19 2.19			→ ×	-	W1 - 5L	48″ X 48″	16.00 ♦			5			48" X 48"	16.00			ADVANCE LT. LN. CL
	M6 - 2L M6 - 2R	21" X 15" 21" X 15"	2.19			X	-							W2Ø -	אכ	48″ X 48″	16.00 ♦			ADVANCE RT. LN. CL
	M6 - 3	21 × 15 21" × 15"				/ ↑	-	W1 - 5R	48" X 48"	16.00 🔶			5							
						•		W1 - 6L	48″ X 24″	8.00										
]	W1 - 6L	60″ X 30″						_	10				• ,
	R1 - 1	36″ OCTAGON				STOP (1)		W1 - 6R	48" X 24"	8.00				W2Ø -	(a	48″ X 48″	16.00 •			
		48″ OCTAGON		2	26.5			W1 - 6R	60" X 30"					W21 -	1	36″ X 36″	9.00			WORKERS
		48" X 48" X 48" Car X Car X Car				YIELD (1)		W1 - 7	48" X 24"	8.00					-		-			
	К1 - 2	60" X 60" X 60"	10.83	1		(2							<u> </u>	W21 -	1a	36″ X 36″	9.00			▶

							FMS CON: 107868/301000
	l					STATE	PROJECT NO.
			SIGN	S REQ	UIRED	MISS.	BR-0037-04(064)
				(CONT'D) UNIT		TOTAL	
5		SIGN NO.	SIZE	AREA SQ.FT.	QUAN. REQ'D.	SIGN AREA SQ.FT.	REMARKS
2 1 2 1 2		W21 - 2	36" X 36"	9.00			FRESH OIL (TAR)
		W21 - 3	48″ X 48″	16.00 ♦			ADVANCE ROAD MACHINERY
(2)		W21 - 5	48″ X 48″	16.00 ♦			SHOULDER WORK
		W21 - 6	36″ X 36″	9.00			SURVEY CREW
		W24 - 1L	48" X 48"	16.00			
		W24 - 1R W24 - 1AL	48″ X 48″ 48″ X 48″	16.00 ♦ 16.00 ♦			
		W24 - 1AR	48″ X 48″	16.00			
		W24 - 1BL	48" X 48"	16.00 ♦			tut
		W24 - 1BR	48" X 48"	16.00 ♦			
TION		VP - IL	12″ X 36″	3.00			
		VP - IR	12″ X 36″	3.00			
	5	OM - 3L	12″ X 36″	3.00			Ν
	5	OM - 3R	12″ X 36″	3.00			
Г	0				LESS	THAN	
		TUTAL	SIGN	AREA		Q.FT.	⚠́ 48 SQ.FT.
		TOTAL	SIGN	AREA		SQ.FT.	462.5 SQ.FT.
						WORL	
		1 STANDA 2 SPECIAL	RD . (USE WHER	E WARRAI	NTED)		
SING							
VEL				NO	TES		
		1 INTERS	TATE ROUTE	MARKER			
NES TRIPE			STATES RC		KER		
			ROUTE MARI				
$\overbrace{2}$		4 COLORS	OF CARDIN	NAL DIREC	TION MAR	KERS AN	DIRECTIONAL
			SHALL BE Markers.	APPROPR	ΙΑΤΕ ΤΟ	МАТСН АС	COMPANYING
(1)			STRIPES ON	N YELLOW	BACKGRO		
-			TATE USE (
) WEATHER					TERING ON		BACKGROUND,
$\mathbf{RK} \underbrace{1}_{(2)}$							TE BACKGROUND
OUR							ERIES)EXCEPT Shall BE YELLOW
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RD. BR.		<	A				
BR. CLOSED				ISSIPPI D	DEPARTM	ENT OF	TRANSPORTATION
CLOSED			3			ΙΛΝΙΤΙΤ	'IEC
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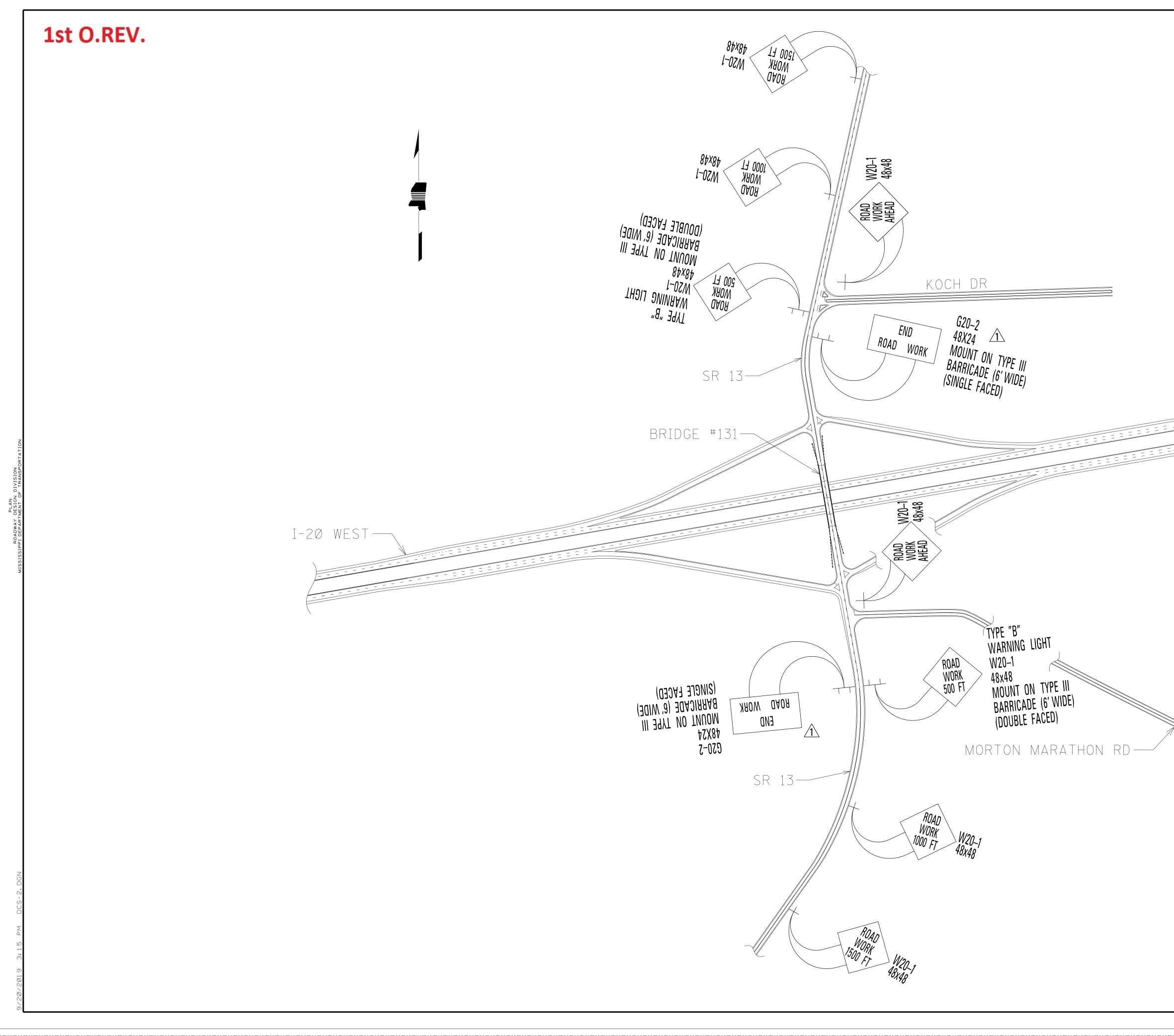


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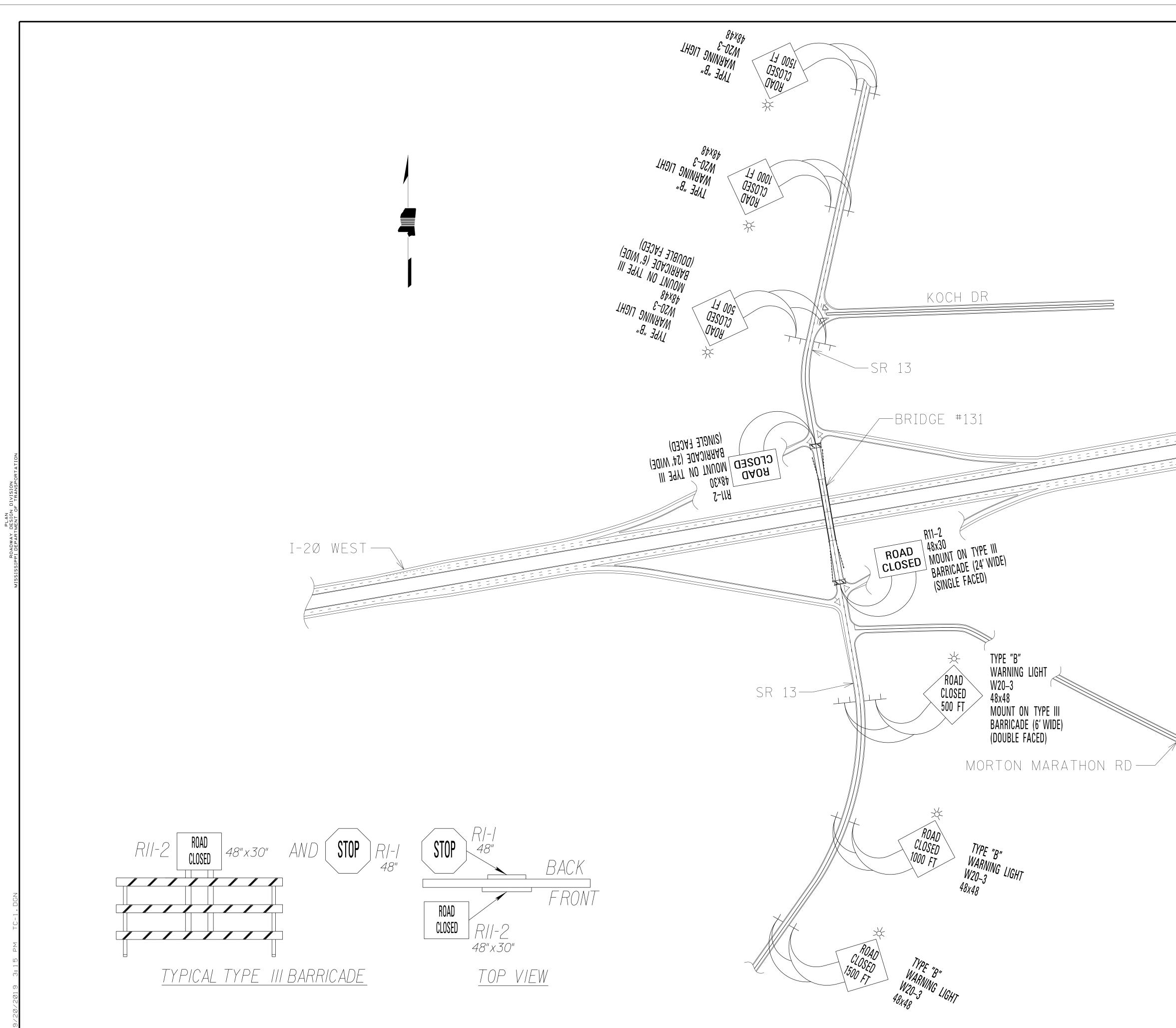
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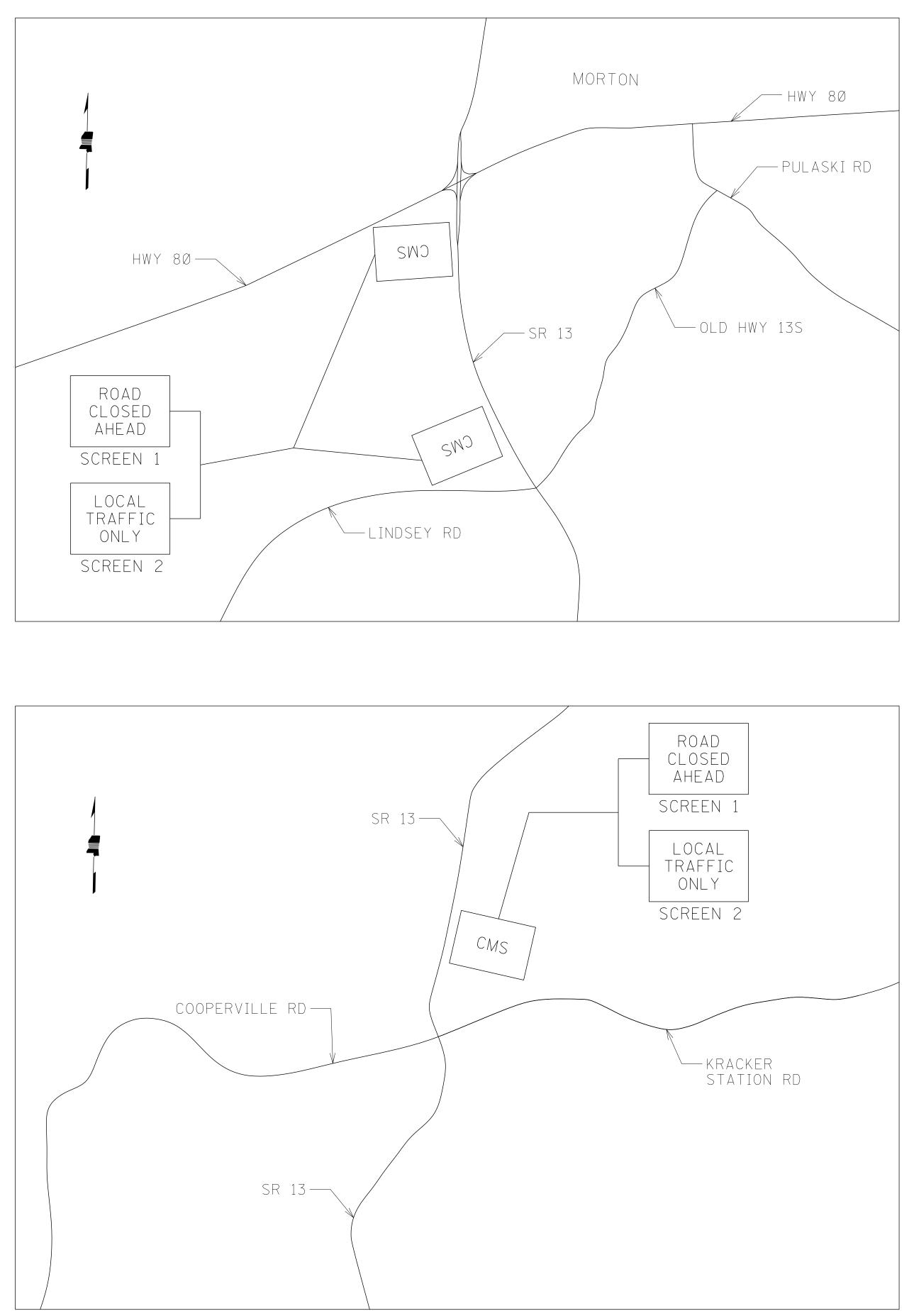
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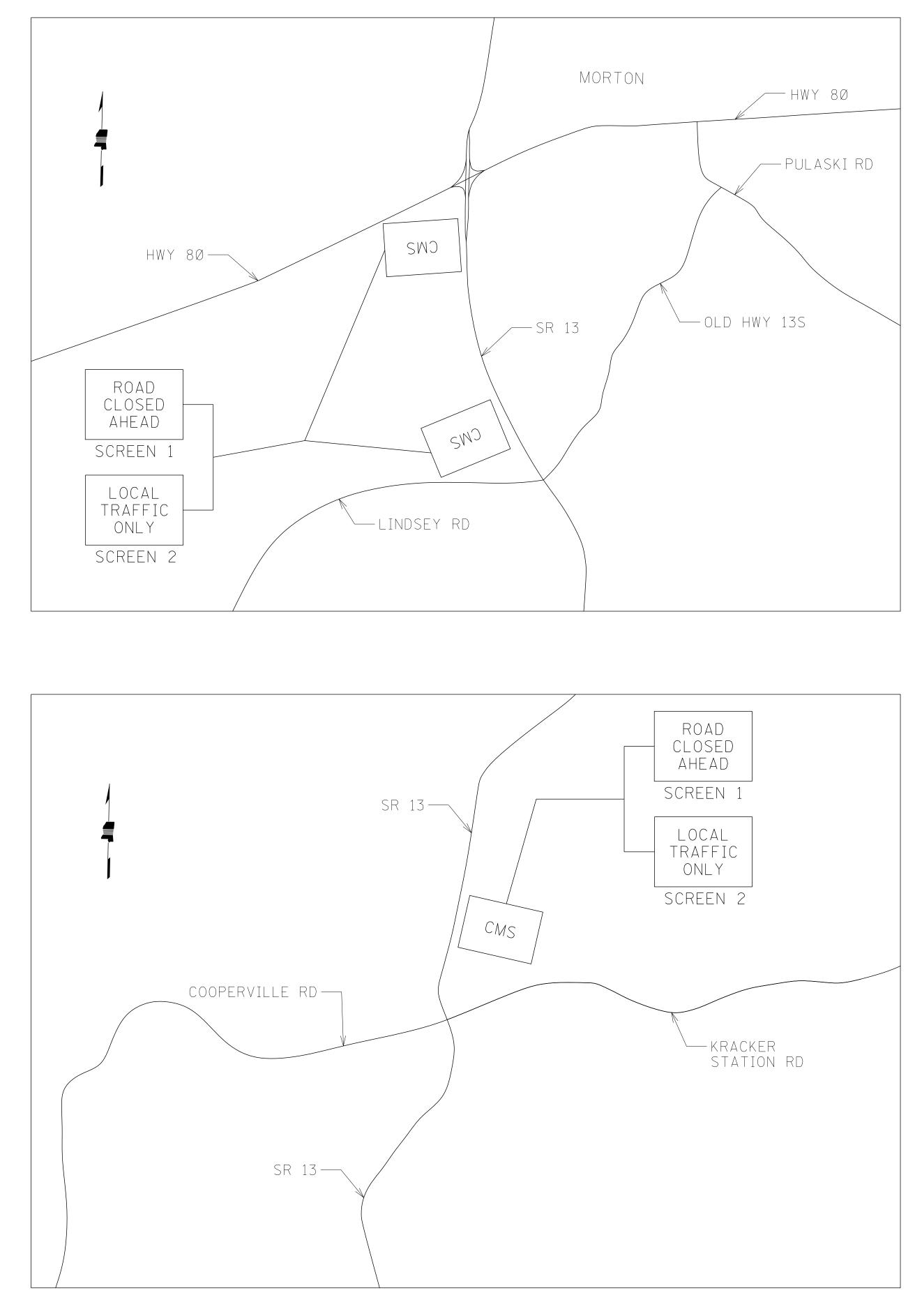
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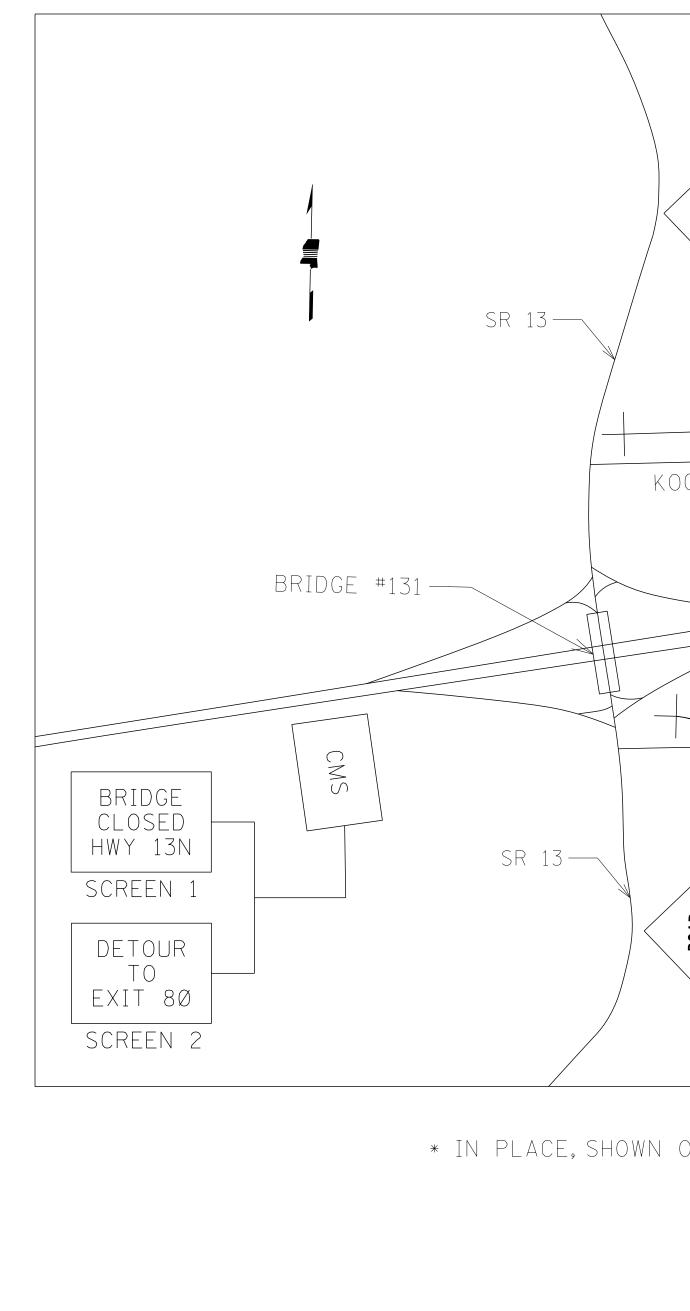


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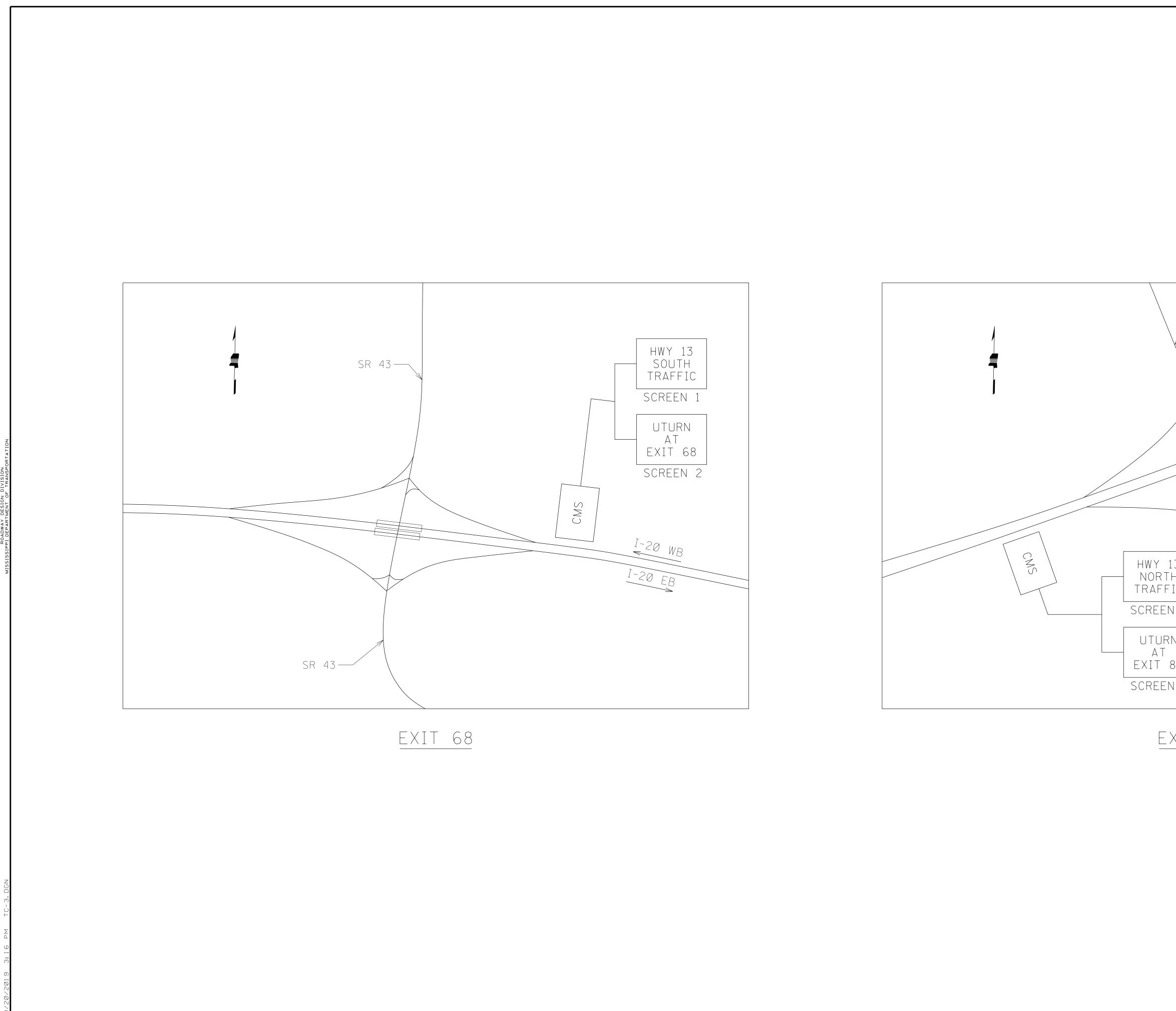


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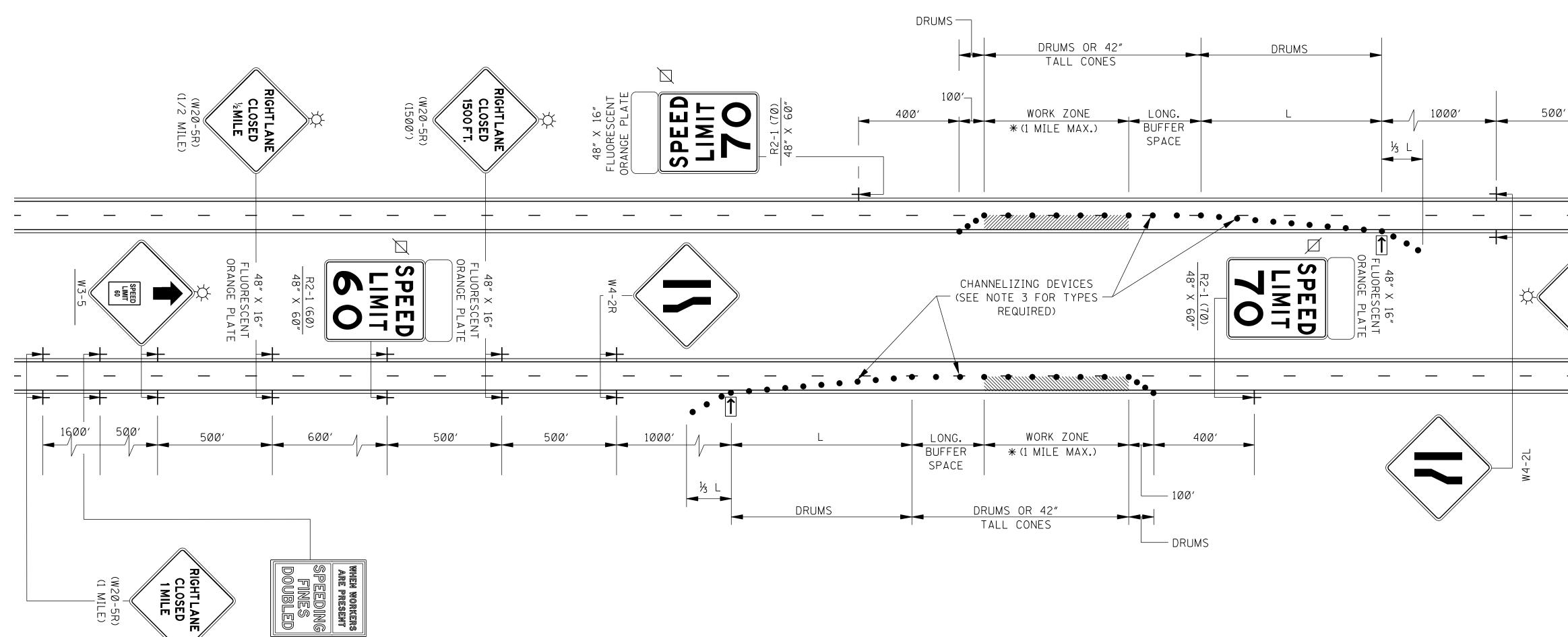
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1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING

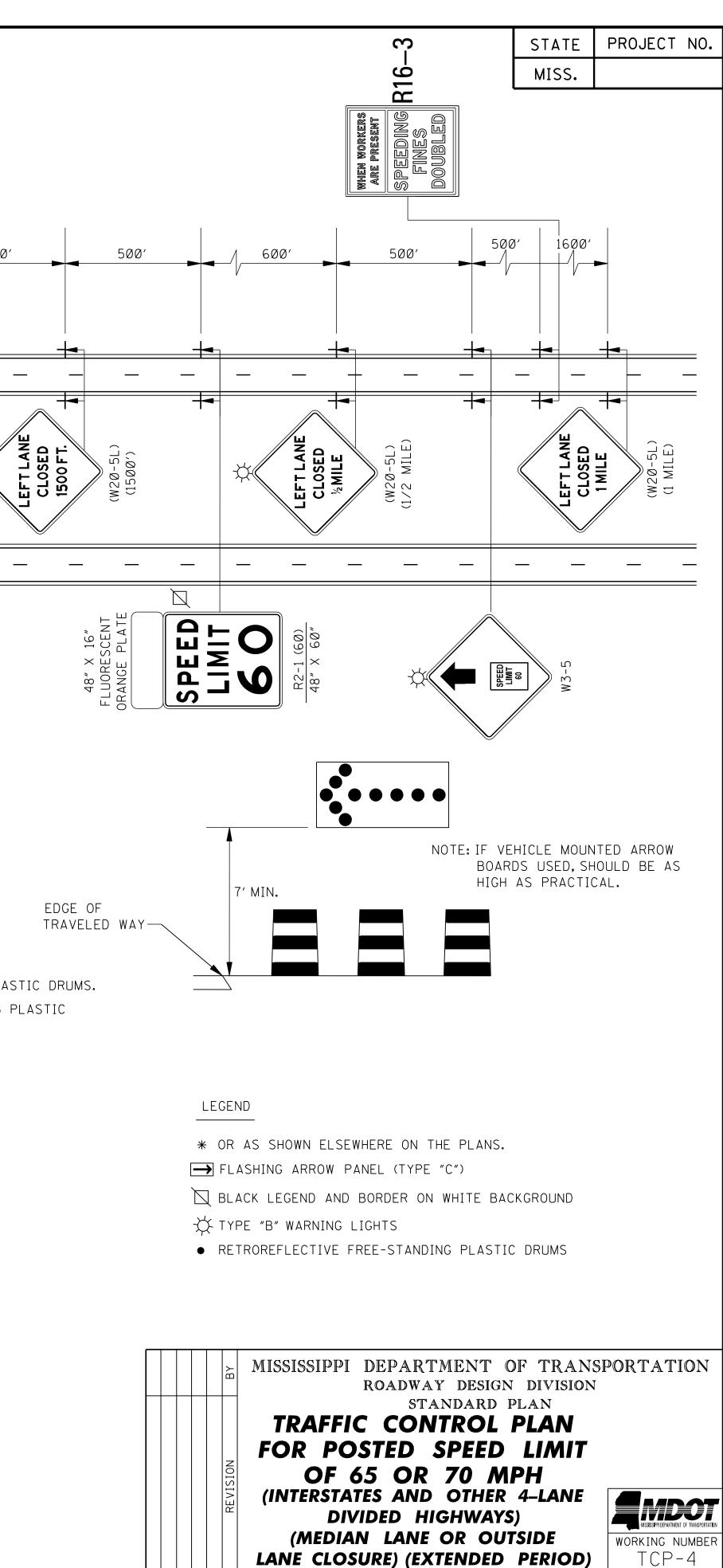
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mph	TAPER	ALONG BUFFER SPACE & WORK ZONE	(f+)	RAIES	
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60	6Ø	12Ø	57Ø	60:1	
65	65	130	645	65:1	
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+ NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS: L = WS FOR SPEEDS OF 45 mph OR GREATER $L = WS^2/60$ FOR SPEEDS OF 40 mph OR LESS WHERE: L = MINIMUM LENGTH OF TAPER IN FEET W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

- ++ NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.
- 2. FLASHING ARROW PANEL SHOULD BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANEL SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR, IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.

3. CHANNELIZING DEVICES:

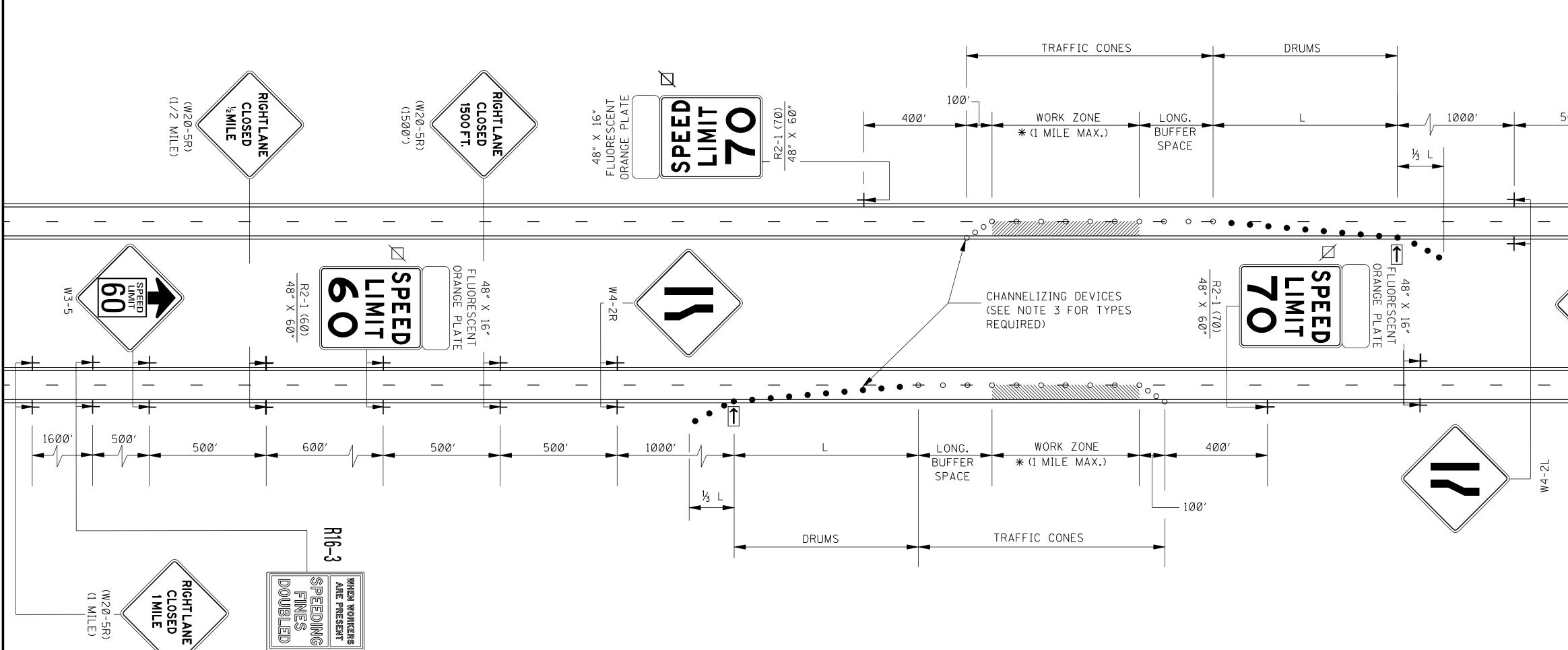
- A. ALL CHANNELIZING DEVICES IN TAPERS SHALL BE RETROREFLECTIVE FREE STANDING PLASTIC DRUMS.
- B. CHANNELIZING DEVICES IN TANGENTS MAY BE EITHER RETROREFLECTIVE FREE STANDING PLASTIC DRUMS OR 42" TALL CONES.
- C. ALL CHANNELIZING DEVICES SHALL BE RETROREFLECTIVE.
- D. RETROREFLECTORIZATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE M.U.T.C.D.
- 4. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHOULD BE A MINIMUM OF 48" X 48". AND SHALL BE BLACK COPY ON FLUORESCENT ORANGE SHEETING.
- 5. ALL EXISTING SPEED LIMIT SIGNS WHICH ARE INFLUENCED BY OR CONFLICT WITH THE SPEED ZONE REDUCTION SHALL BE COVERED AS DIRECTED BY THE ENGINEER WHILE THE REDUCED SPEED LIMIT IS IN EFFECT. TAPE SHALL NOT BE USED ON FACE OF SIGN.
- 6. ADDITIONAL REDUCED REGULATORY SPEED LIMIT SIGNS ARE REQUIRED AT EACH ENTRANCE RAMP WITHIN THE SPEED ZONE. TWO (2) WILL BE REQUIRED FOR EACH RAMP AND LOCATION WILL BE DETERMINED BY THE ENGINEER.
- 7. THIS TRAFFIC CONTROL PLAN, WITH SPEED ZONE, MAY NOT BE USED ON ANY FACILITY WHERE THE POSTED SPEED LIMIT IS BELOW 65 MPH WITHOUT A COMMISSION ORDER REQUESTING A SPEED LIMIT REDUCTION.
- 8. LAYOUT SHOWN ABOVE IS FOR AN INTERSTATE WITH A POSTED SPEED LIMIT OF 70 MPH. FOR POSTED SPEED LIMIT OF 65 MPH, THE REDUCED SPEED LIMIT WILL BE 55 MPH.
- 9. A FLUORESCENT ORANGE PLATE IS REQUIRED WITH ALL REGULATORY SPEED LIMIT SIGNS REQUIRED FOR LANE CLOSURE.
- 10. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.



SISSUE DATE: AUGUST Ø1, 2017

SHEET NUMBER

6354



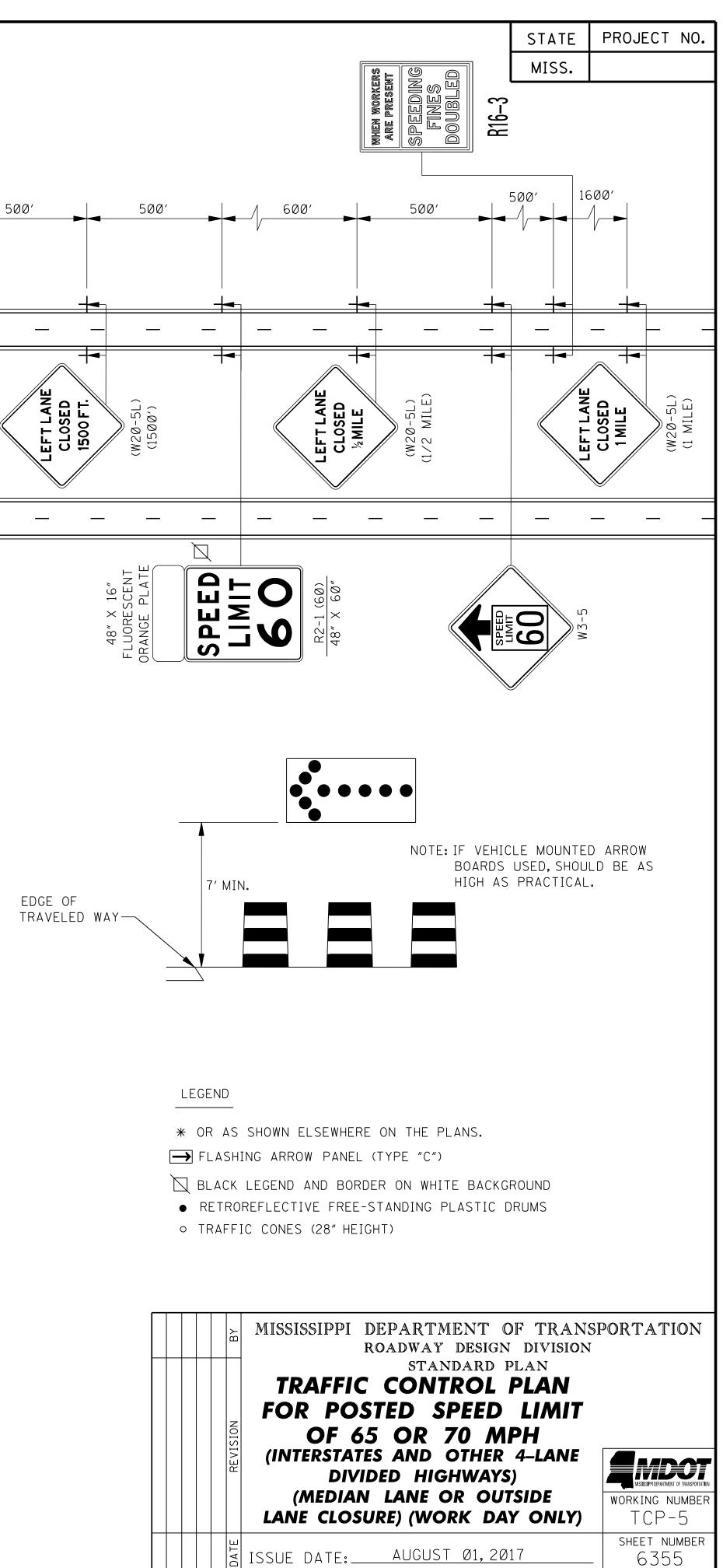
GENERAL NOTES:

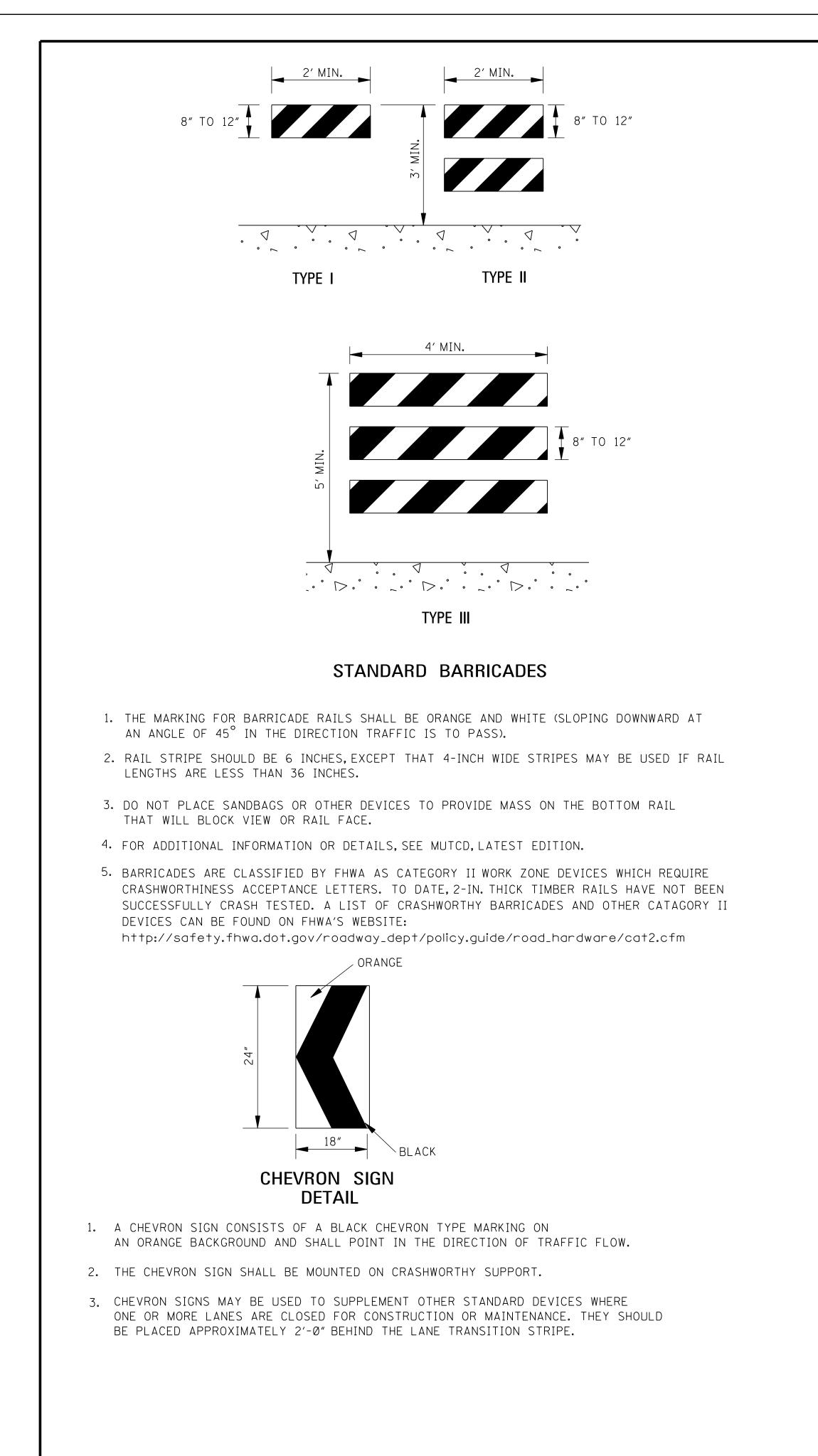
1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE.

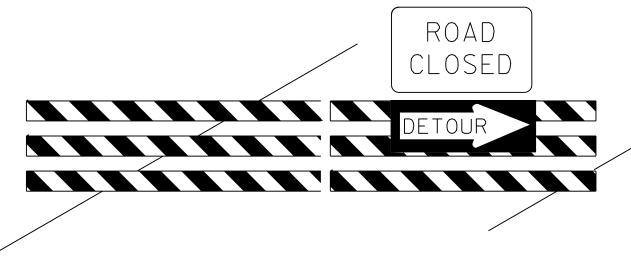
POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft)		++ LONGITUDINAL BUFFER SPACE	TAPER	
DESIGN SPEED	TAPER	ALONG LANE LINE &	(f+)	RATES	
mph		WORK ZONE			
<u>≤</u> 4Ø	4Ø	8Ø	3Ø5	27:1	
45	45	90	36Ø	45:1	
50	5Ø	100	425	50:1	
55	55	11Ø	495	55:1	
6Ø	6Ø	12Ø	57Ø	60:1	
65	65	130	645	65:1	
7Ø	7Ø	14Ø	730	7Ø : 1	

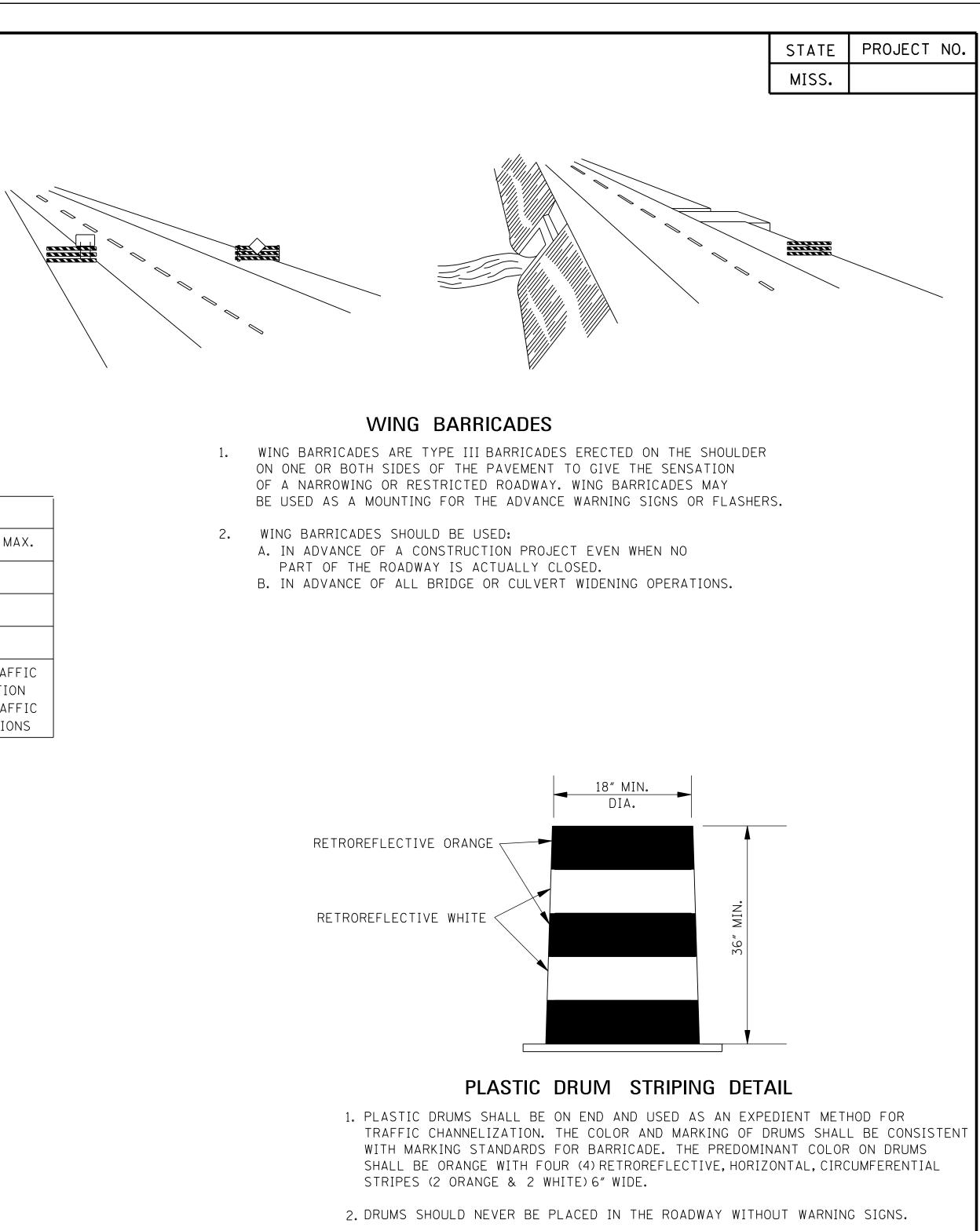
- + NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS: L = WS FOR SPEEDS OF 45 mph OR GREATER
- L = WS²/60 FOR SPEEDS OF 40 mph OR LESS
- WHERE: L = MINIMUM LENGTH OF TAPER IN FEET
 - W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET
 - S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR
- ++ NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.
- 2. FLASHING ARROW PANEL SHOULD BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANEL SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR, IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.

- 3. CHANNELIZING DEVICE TYPES FOR: A. APPROACH TAPER- RETROREFLECTIVE PLASTIC DRUMS
- B. ALONG LANE LINE AND WORK ZONE- TRAFFIC CONES (28" HEIGHT MINIMUM) C. EXIT TAPER- TRAFFIC CONES (28" HEIGHT MINIMUM)
- 4. WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND THE DRUMS SHALL BE MOVED TO THE SHOULDER EDGE AT THE END OF THE WORK DAY.
- 5. FOR MOVING OPERATIONS (PAVING) THE CONTRACTOR SHALL HAVE TWO (2) SETS OF ADVANCE WARNING AND REGULATORY SIGNS, PLASTIC DRUMS, AND ARROW BOARD. WHEN THE CONSTRUCTION ZONE IS MOVED AHEAD, ALL SIGNS, PLASTIC DRUMS AND ARROW BOARD SHALL BE IN PLACE ON THE SECOND ZONE BEFORE REMOVING ANY SIGNS, PLASTIC DRUMS OR ARROW BOARD ON THE FIRST ZONE.
- 6. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHOULD BE A MINIMUM OF 48" X 48". AND SHALL BE BLACK COPY ON FLUORESCENT ORANGE SHEETING.
- 7. ALL EXISTING SPEED LIMIT SIGNS WHICH ARE INFLUENCED BY OR CONFLICT WITH THE SPEED ZONE REDUCTION SHALL BE COVERED AS DIRECTED BY THE ENGINEER WHILE THE REDUCED SPEED LIMIT IS IN EFFECT. TAPE SHALL NOT BE USED ON THE FACE OF SIGN.
- 8. ADDITIONAL REDUCED REGULATORY SPEED LIMIT SIGNS ARE REQUIRED AT EACH ENTRANCE RAMP WITHIN THE SPEED ZONE. TWO (2) WILL BE REQUIRED FOR EACH RAMP AND LOCATION WILL BE DETERMINED BY THE ENGINEER.
- 9. THIS TRAFFIC CONTROL PLAN, WITH SPEED ZONE, MAY NOT BE USED ON ANY FACILITY WHERE THE POSTED SPEED LIMIT IS BELOW 65 MPH WITHOUT A COMMISSION ORDER REQUESTING A SPEED LIMIT REDUCTION.
- 10. LAYOUT SHOWN ABOVE IS FOR AN INTERSTATE WITH A POSTED SPEED LIMIT OF 70 MPH. FOR POSTED SPEED LIMIT OF 65 MPH, THE REDUCED SPEED LIMIT WILL BE 55 MPH.
- 11. A FLUORESCENT ORANGE PLATE IS REQUIRED WITH ALL REGULATORY SPEED LIMIT SIGNS AND "REDUCED SPEED AHEAD" SIGNS REQUIRED FOR LANE CLOSURE.
- 12. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.









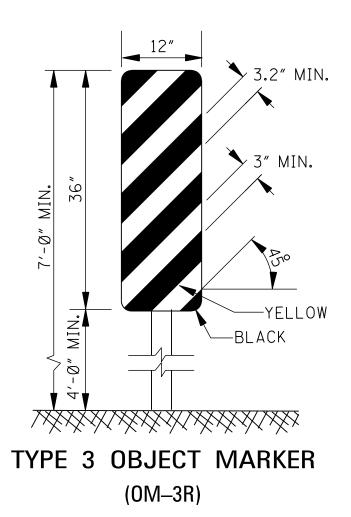
BARRICADE CLOSING A ROAD

BARRICADE CHARACTERISTICS

	I	I	ш
WIDTH OF RAIL * *	8″ MIN 12″ MAX.	8″ MIN 12″ MAX.	8″ MIN 12″ MAX.
LENGTH OF RAIL **	24″ MIN.	24″ MIN.	48″ MIN.
WIDTH OF STRIPE *	6″	6″	6″
HEIGHT	36″ MIN.	36″ MIN.	60″ MIN.
NUMBER OF RETROREFLECTORIZED RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTIONS

* 1. FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.

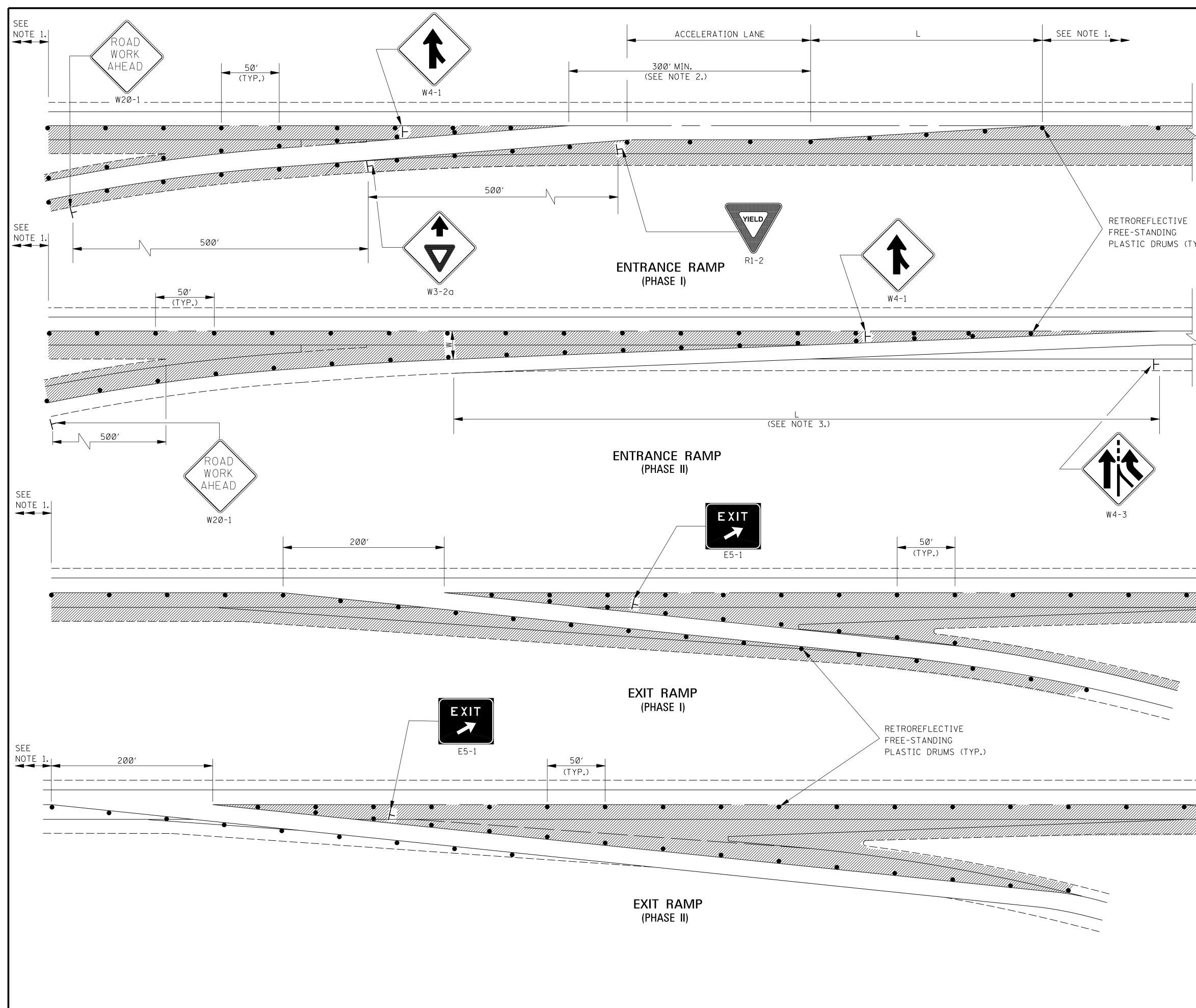
** 2. BARRICADES INTENDED FOR USE ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH SPEED ROADWAYS, SHALL HAVE A MINIMUM OF 270 in² of reflective area FACING TRAFFIC.



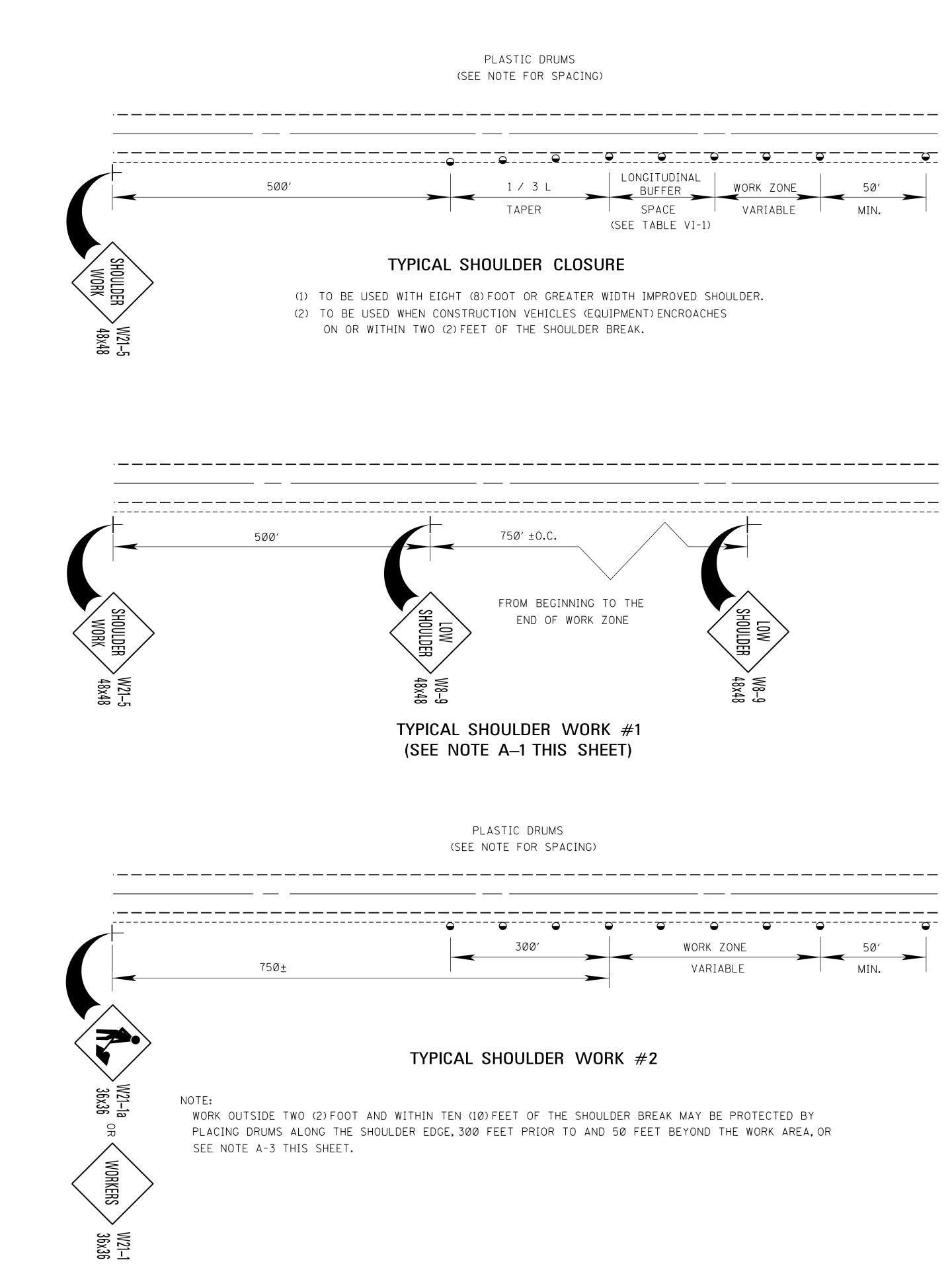
- 1. TYPE 3 OBJECT MARKERS SHALL BE USED AT ALL EXPOSED BRIDGE ABUTMENTS AND AT OTHER LOCATIONS AS DEEMED NECESSARY BY THE ENGINEER.
- 2. THE OM-3R IS SHOWN. THE OM-3L IS SIMILAR EXCEPT THE STRIPES SLOPE DOWNWARD FROM THE UPPER LEFT SIDE TO THE LOWER RIGHT SIDE AND SHALL BE PLACED ON THE LEFT SIDE OF THE OBJECT.
- 3. THE INSIDE EDGE OF THE MARKER SHALL BE IN LINE WITH THE INNER EDGE OF THE OBSTRUCTION.

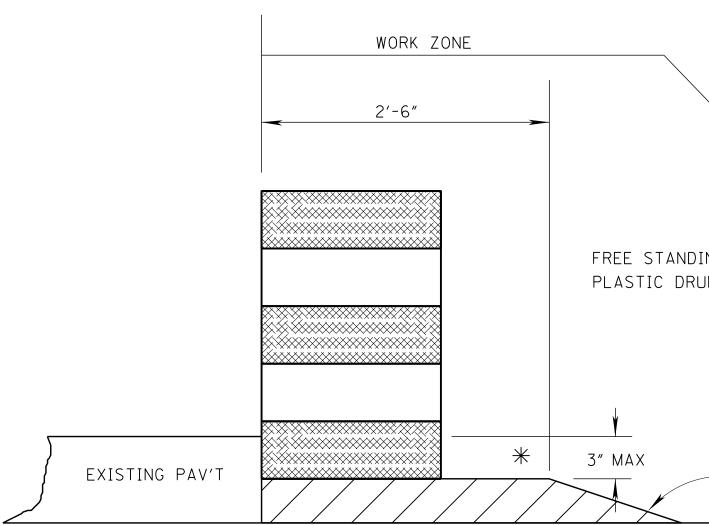
3. WHERE PRACTICAL PLASTIC DRUMS SHOULD BE PLACED NO CLOSER THAN 3'-Ø" FROM THE EDGE OF TRAVELED LANE.

	BY	MISSISSIPPI DEPARTMENT OF TRANS Roadway design division standard plan	PORTATION
	REVISION	HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	WORKING NUMBER
	DATE	ISSUE DATE: AUGUST Ø1,2017	sheet number 6358



								STATE	PROJECT	NO.
								MISS.		
~									77777777	
	IN PH									
		N	NEAR	MIDDLE	OF RAM		NG PHASE 1 "S	ESSAGE SIGN STOP AHEAD"	(CMS)	
YP.)								MESSAGE SIGN	(CMS)	
		Ν	NEAR	MIDDLE	OF RAM	P SHOWI	NG MESSAGE "	YIELD AHEAD".	•	
~										
	I									
					GENEF	RAL NOTE	ES:			
					DR	UM SPAC	CING CRITERIA	ARROW PANEL, , see typical	TRAFFIC	
					SH		Р-2, ТСР-3, ТС	NE CLOSURES CP-4, AND TCP-		
					2. IF	NO ACC	ELERATION LA	NE EXISTS TRANCE, THE Y	IFLD SIGN	
					(R1 BE	-2) AND REPLAC	THE YIELD AH ED WITH A ST	EAD SIGN (W3- OP SIGN (R1-1	-2A)SHALL)and a st(
					WH	ERE STO	P SIGNS ARE	ON EACH SID USED, A TEMPO ACROSS THE	ORARY STOP	>
					DE AR	SIRED S ⁻ E AVAIL,	TOP LOCATION	. IF INSUFFIC TRAFFIC STREA	IENT GAPS AM,	
						NSIDERA E RAMP.	IION SHOULD	BE GIVEN TO	CLOSING	
					EQ	UATIONS	o o	JTS USING THE 15 mph OR GR		G
					L WH	= WS ² /6 ERE:	Ø FOR SPEEDS	5 OF 40 mph	OR LESS	
					W	= WIDTH	OF OFFSET I	TAPER IN FE N FEET 5TH PERCENTI		V
		_				MILES	PER HOUR	TEMS SHOWN (
///////////////////////////////////////	77777				PA	YMENT.	THIS WORK SH	SURED FOR SE	DED IN THE	
					PR	ICE BID	FOR MAINTENA	ANCE OF TRAFI	FIC.	
				MIG	SISSIDD			OF TRANS	יוס מיד א מדי	
)1001PP			N DIVISION	PURIAII	
			NOISIV					DE LANE		
			DEVI	L			RE AT E RANCE I			T OF TRANSPORTATION
									working n TCP-	
					e date	:A	UGUST Ø1,2	2017	SHEET NL 636	
	t									





GRANULAR MATERIAL REQUIRED (SAME CLASSIFICATION AS SHOULDER MATERIAL, SEE TYPICAL SECTIONS)

DETAIL OF DRUM PLACEMENT AT PAVEMENT EDGE DROP-OFF

NOTES:

₭ A. PAVEMENT EDGE DROP-OFF

- 1. IF LESS THAN TWO AND ONE QUARTER (2.25) INCHES-NO PROTECT OF WORK ZONE SHOULDER AND A LOW SHOULDER SIGN (W8-9) AT
- 2. TWO AND ONE QUARTER TO THREE INCHES-PLACE DRUMS, VERTICA OF 50 MILES PER HOUR OR GREATER. CONES MAY BE USED IN PL TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MILES PER HOUR FOR TAPERS SHOULD BE IN ACCORDANCE WITH THE M.U.T.C.D. (1 /
- 3. GREATER THAN THREE (3) INCHES-POSITIVE SEPARATION OR WEDGE DISTANCE BETWEEN THE EDGE OF TRAVEL LANE AND DROP-OFF, THE
- 4. FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN THREE (FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS
- 5. LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CON

B. DRUM SPACING

- 1. TANGENTS = 2 X S
- 2. TAPERS = L / 3
- WHERE L = S X W
- L = TAPER LENGTH IN FEET
- S = SPEED IN MPH (POSTED OR 85 PERCENTILE)
- W = WIDTH OF OFFSET IN FEET
- C. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET SHALL BE PAI TABLE VI-1. GUIDELINES FOR LENGTH OF

LONGITUDINAL BUFFER SPACE

★★ SPEED (MPH)	LENGTH (FEET)
20	35
25	55
30	85
35	12Ø
40	17Ø
45	22Ø
5Ø	28Ø
55	335
60	415
65	485

★ ★ POSTED SPEED, OFF-PEAK 85 PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH.

	STATE	PROJECT NO.
	MISS.	
NG		
IMS		
4:1 OR FLATTER SLOPE		
K V		
ORIGINAL GROUND LINE	Ξ	
TION REQUIRED.PLACE A SHOULDER WORK SIGN (W21-5)500 F THE BEGINNING AND THROUGHOUT THE WORK ZONE @ (750'+0.		
AL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SE ACE OF DRUMS, PANELS, AND BARRICADES DURING DAYLIGHT H R AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 F 3 L, WHERE L IS THE TAPER LENGTH IN FEET.)	HOURS. FOR	
E WITH 4:1 OR FLATTER SLOPE NEEDED.IF THERE IS EIGHT (HEN DRUMS, PANELS OR BARRICADES MAY BE USED.	8)FEET OR MORE	
3)INCHES MAY BE PROTECTED WITH DRUMS,VERTICAL PANELS BEING DONE IN THE DROP-OFF AREA.	S OR BARRICADES	
NSIDERED FOR LOW-VOLUME LOCAL STREETS.		
ID FOR UNDER MAINTENANCE OF TRAFFIC.		
ID FOR UNDER WAINTENANCE OF TRAFFIC.		
MISSISSIPPI DEPART ROADWAY	MENT OF TRANS Y DESIGN DIVISION	
STA	NDARD PLAN	
		TCP-16
AUGUS	ST Ø1,2017	SHEET NUMBER _ 6366

DESCRIPTION OF SHEETS

DETAILED INDEX (BRIDGE)

BRIDGE AT STATION 175+68.67, SR 13 OVER I-20, BRIDGE REPAIR

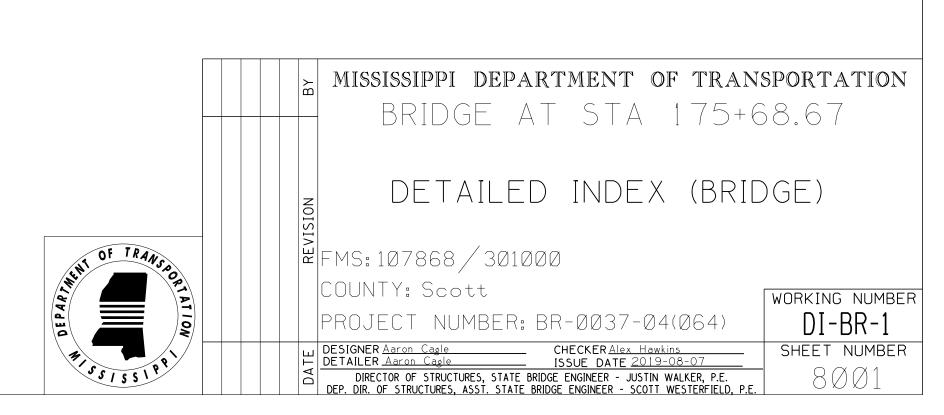
QUANTITIES & GENERAL NOTES HYDRODEMOLITION & BEARING REPLACEMENT DETAILS JOINT REPAIR DETAILS EPOXY REPAIR LOCATIONS

SPECIAL DESIGN SHEETS INFORMATION PLANS

INFORMATION ONLY PLAN
INFORMATION ONLY PLAN

WORKING NUMBER	SHEET NUMBER
DI-BR-1	8001
1 OF 4 2 OF 4 3 OF 4 4 OF 4	8002 8003 8004 8005

SHEET NUMBER WORKING NUMBER 8006 8007 8009 8010 8011 8012 8013 8014 8015 8016 8017 8018



	BRIDGE DIVISION				
	REVISIONS				
DATE	SHEET NO.	BY			

STATE

MISS.

PROJECT NO.

BR-ØØ37-Ø4(Ø64)

FSTINATED BRIDGE OUANITITIES

	LSTINATLD DRIDGL QUANTITLS		1
PAY ITEM CODE	DESCRIPTION	UNIT	QUANTITY
907-202-B001	Removal of Bridge Deck, Hydrodemolition	57	742
907-420-A001	Undersealing	LBS	10800
907-804-0001	Bridge Deck Overlay	СҮ	45
907-808-A003	Joint Repair Without Epoxy	LF	59
907-823-A001	Preformed Joint Seal, Type I	LF	146
907-823-B001	Saw Cut, Type I	LF	234
907-824-PP003	Bridge Repair, Removal of Bridge Deck, Per Plans	SF	338
907-824-PP005	Bridge Repair, Epoxy Repair, Per Plans	CF	43
907-824-PP006	Bridge Repair, Bearing Replacement, Per Plans	EACH	46
907-824-PP006	Bridge Repair, Cap Cleaning, Per Plans	EACH	5

UNDERSEALING NOTES:

- 1. Voids under end bent caps and slope paving are to be filled with injectable urethane compound material meeting the required properties below.
- 'Prior to injection, the site shall be prepared according to Manufacturer's recommendations. Urethane compound shall be installed in strict accordance with Manufacturer's instructions.
- All costs associated with filling voids under end bent caps and slope paving with urethane compound shall be included in the price for Undersealing.
- The accepted quantities will be paid for per pound of urethane compound material as reported on packaging.

REQUIRED URETHANE COMPOUND PROPERTIES						
PROPERTY	PROPERTY MINIMUM ASTM TEST REQUIREMENT METHOD					
Density	4.0 pcf	D 1622				
Tensile Strength	100 psi	D 1622				
Compressive Strength	90 psi	D 1621				

I" SAWCUT & REINFORCEMENT NOTES:

1. All I" sawcuts shall be considered an absorbed item of work. The Contractor shall verify depth of reinforcing steel before making any sawcuts. The depth of the sawcut shall be no more than the depth of the reinforcing steel. 2. All existing reinforcement shall remain in place. Any damage to reinforcing steel shall be repaired to the satisfaction

SPECIAL PROVISIONS REQUIRED:

of the Engineer at no cost to the State.

907-202: Removal of Bridge Deck, Hydrodemolition

- 907-420: Undersealing
- 907-804: Bridge Deck Overlay
- 907-808: Joint Repair 907-823: Preformed Joint Seal

WATERPROOFING ADMIXTURE:

The bridge deck concrete will require a waterproofing admixture in accordance with Section 713 of the Mississippi Standard Specifications.

INFORMATION PLANS:

Original proj. no. I-20-2(18)71. See sheet nos. 8006-8018 of these plans.

MAINTENANCE OF TRAFFIC NOTE:

Maintain traffic in accordance with section 618 of the Standard Specifications of Road and Bridge Construction, 2017 Edition, the latest edition of the Manual on Uniform Traffic Control Devices, and the traffic control sheets included in these plans.

VERTICAL JACKING NOTES:

- 1. The Contractor shall provide adequate bracing and jacking arrangements as required to remove and replace bearing assemblies at all locations. Traffic shall be maintained on the bridge for the duration of the repair.
- The Contractor shall employ the service of a Mississippi registered professional engineer who is knowledgeable in the field of bridge design. A complete set of bracing and jacking arrangement plans along with design calculations shall be submitted to the Bridge Engineer through the Project Engineer for review prior to construction and shall bear the Design Engineer's seal.
- 4. The beam ends shall only be raised 4" from their original positions. 5. Jacks at each bent shall be coupled to a common manifold and the bridge span raised uniformly.
- 6. Jacking points shall be under the bottom flange of the beam at each bent and no jacking points will be allowed under any diaphragms or bays.
- 7. After the beam ends are raised into position, temporary blocking shall be provided to secure the span in this position while work is being performed.
- Temporary blocking points shall be under the bottom flange of the beam at each bent and no temporary blocking
- will be allowed under any diaphragms or the bays. 9. Any damage to the bridge resulting from uneven or improper jacking shall be repaired by the Contractor at no additional cost to the State.

BEARING REPLACEMENT NOTES:

- 1. Existing anchor bolts shall be ground to 4" below the concrete surface and finished smoothed and true to grade with epoxy mortar. This shall be considered an absorbed item of work.
- 2. The bottom of the existing anchor plates shall be finished smooth to accomodate the new plate and painted with approved encapsulating paint. All pack rust and scale within the designated areas shall be removed by using small hand tools, mechanical process, or needle gun. All areas required to be painted containing grease films after the initial cleaning shall be cleaned with a biodegradable solvent. The Contractor shall provide technical data for the proposed encapsulating paint to be used on this project to the Director of Structures, State Bridge Engineer for approval. New paint shall be applied by hand, with either a brush or roller.
- In no case shall neoprene pads be field cut.
- Extreme care shall be taken to ensure that existing prestressed beams are not damaged during removal of existing bearing plates. Cutting torches shall not be used in any case to remove existing bearing plates from prestressed beams. Any damage that occurs to the structure as a result of improper bearing plate removal or replacement shall be repaired by the Contractor to the satisfaction of the Engineer at no additional cost to the State. 5. Neoprene pads shall be vulcanized to the bottom of new steel plates. All work and materials associated with vulcanizing
- the neoprene pads to the new steel plates shall be considered absorbed items of work. 8 6. After pads are vulcanized to the new steel plates, the new steel plate shall be cleaned and painted with one shop coat of inorganic zinc, one intermediate field coat of acrylic latex, and one field top coat of acrylic latex per Section 814 of the Specifications.
- 7. Prior to fabrication and construction, the Contractor shall submit verification of the existing cap and bearing dimensions to the Director of Structures, State Bridge Engineer for approval.

GENERAL NOTES:

- 1. Specifications: Mississippi Standard Specifications For Road and Bridge
- Construction, 2017. 2. No change of plans will be permitted except by written approval of
- the Director of Structures, State Bridge Engineer.
- 3. Minor changes in detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer
- provided such changes will not be cause for contract price adjustment. 4. Work for which no pay item is provided will not be paid for directly
- and shall therefore be considered an absorbed item of work. 5. All details are based on the dimensions shown on the original plans for the existing structure. The Contractor shall be responsible for adjusting the elements
- of the new construction to ensure a proper fit with the existing structure. 6. Any damage that occurs to the existing structure during the duration of the project shall be repaired to the satisfaction of the Engineer by the Contractor at no additional cost to the State.

HYDRODEMOLITION GENERAL NOTES:

- 1. Bridge concrete for hydrodemolition repair and bridge deck repair shall be bridge deck overlay meeting the requirements of Special Provision 907-804. The mix design shall be furnished by the Contractor for approval by the Materials Division.
- 2. All existing concrete surfaces that will be in contact with new concrete shall be painted with a cement slurry designed to bond new concrete to old.
- 3. The new concrete overlay shall be tine finished.

CONTRACTOR SUBMITTALS:

Prior to fabrication and construction, the following shall be submitted to the Director of Structures, State Bridge Engineer through the Project Engineer for approval. No work shall begin until all submittals have been authorized by the Director of Structures, State Bridge Engineer.

FIELD VERIFICATION SUBMITTAL:

All dimensions of the existing structure and clearances shall be field verified by the Contractor. The Contractor shall be responsible for adjusting the elements of the new construction to ensure proper fit with existing structure. The Contractor shall submit verification of the existing bridge elements associated with the work items described on sheets 8003-8004. This shall include, but is not limited to:

- a. Finish grades of existing bridge.
- Existing open joint widths.
- Existing bearing dimensions.
- Existing cap dimensions. d. e. Any other element that will affect the work items described on
- sheets 8003-8004.

WELDING CERTIFICATION SUBMITTAL:

- The Contractor shall submit:
 - a. Certification for all welders b. Welding procedures
 - c. A procedure for storage and hadling of welding electrodes, wires, and flux d. A flux recovery procedure (if applicable)

JACKING PLANS SUBMITTAL: The Contractor shall submit a complete set of bracing and jacking arrangement plans along with design calculations associated with the work items described on sheet 8003.

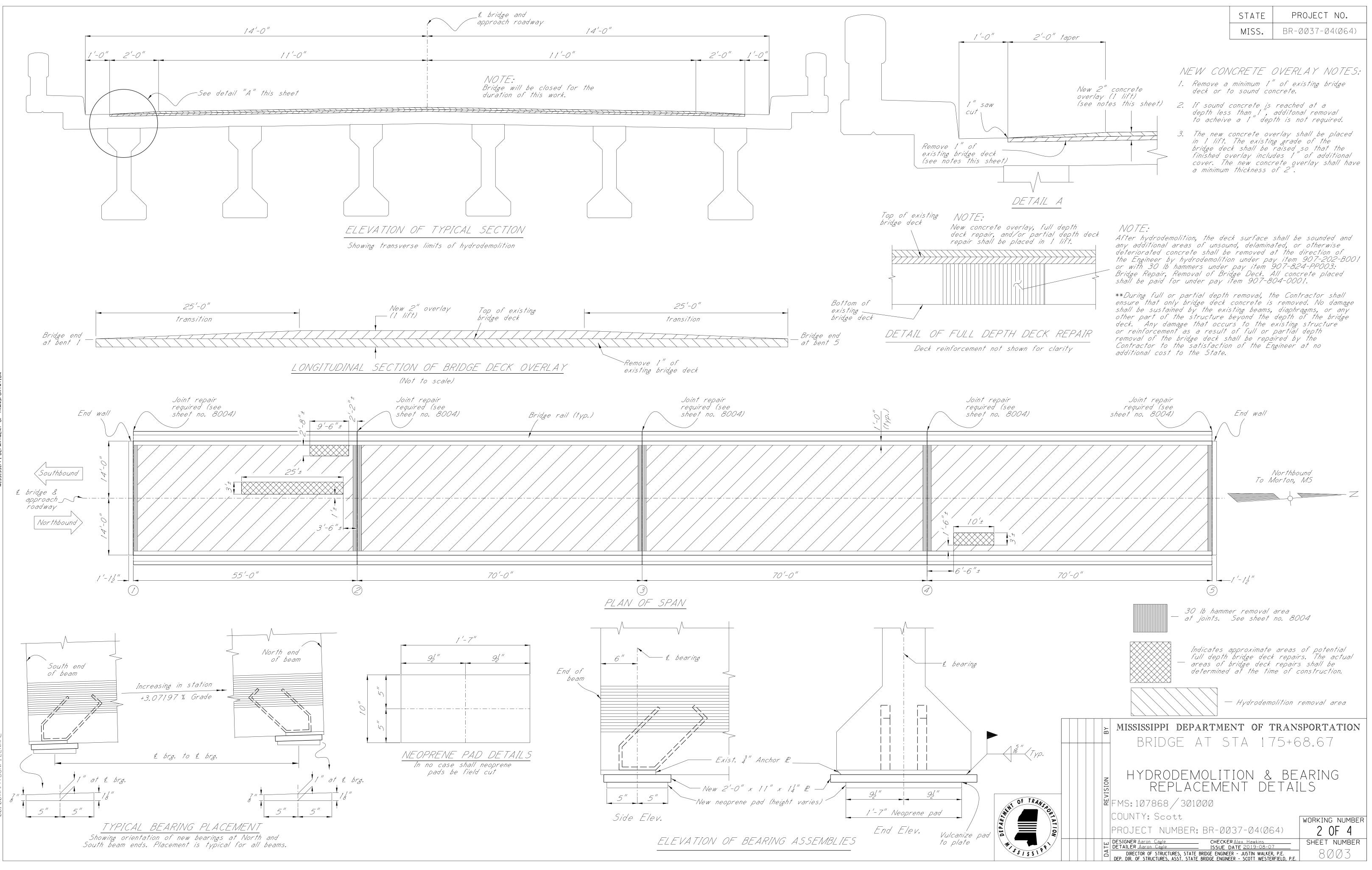
DEMOLITION PLAN SUBMITTAL:

The Contractor shall submit a proposed demolition plan associated with work items described on sheets 8003.

SEQUENCE OF CONSTRUCTION AND SCOPE OF WORK:

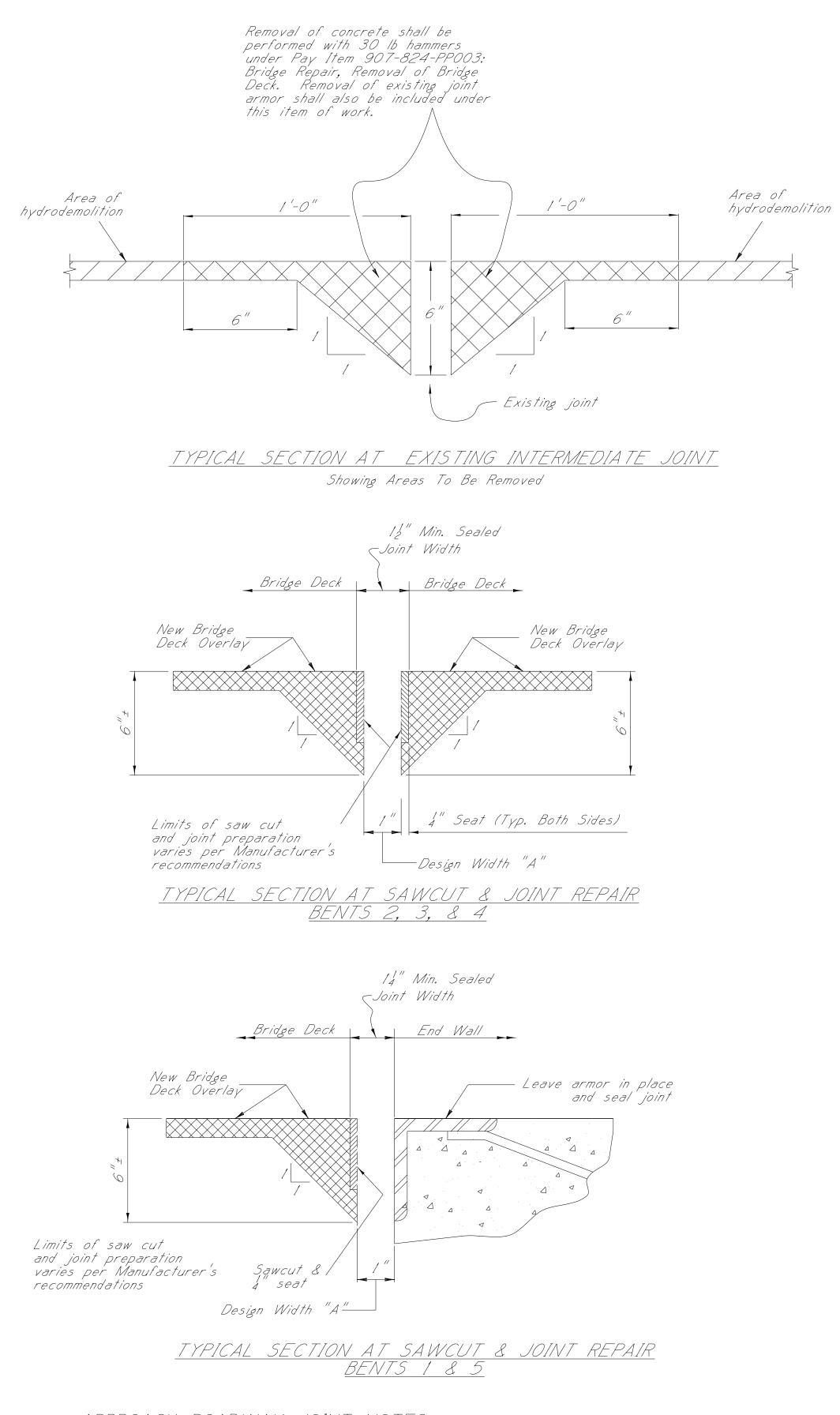
- 1. Jack the bridge and replace all bearings in accordance with the details on sheet no. 8003. Bearing replacements shall be paid for per each bearing replaced under pay item no. 907-824'-PP006, Bearing Replacement.
- 2. Perform hydrodemolition in accordance with the details on sheets 8003. Work shall be paid for under pay item nos. 907-202-B001, 907-804-0001, and 907-824-PP003.
- 3. Perform undersealing to fill voids under the end bent caps and slope paving in accordance with the Manufacturer's recommendations and the notes on this sheet.
- Work shall be paid for in pounds under pay item 907-420-A001, Undersealing. 4. Remove all damaged or unsound concrete and repair concrete spalled areas using epoxy
- mortar at the locations indicated by the Project Engineer. Work for epoxy repair shall be performed as per the notes and details on sheet 8005 and shall be paid for in cubic feet under pay item 907-824-PP005. 5. Reseal existing joints in accordance with the details shown on sheet no. 8004. Work shall be
- paid for in linear feet under pay item nos. 907-808-A003, 907-823-A001, and 907-823-B001.
- Clean all bent caps in accordance with the notes on this sheet. Work shall be paid for per each cap cleaned under pay item 907-824-PP006, Bridge Repair, Cap Cleaning, Per Plans.

		STATE	PROJECT NO.
		MISS.	BR-0037-04(064)
CAP CLEANII	VG NOTE:		
All other debris i	ld be performed by removing all la (dirt and rust) shall be removed b	V pressure wa.	shing
the bent caps to	the satisfaction of the Project L able to maintain 3,500 Psi of pres	Engineer. The p	pressure
	STEEL & WELDING NOT.		hall
conform to the latest	shall be done by the electric arc the ANSI/AASHTO/AWS D1.5 bri edition of the AASHTO Guide Spec dge Fabrication with high performal	idge welding coo cification for	le,
and as dire	dge Fabrication with high performai cted herein. ates shall conform to A.S.T.M. de		
3. All steel pla 4. The fabrica	ates shall be new. tor shall have a certified welding ng or other significant work is per	inspector (CWI)	
DEBRIS NOTL		<i>i i oi me</i> u.	
During construction roadway below th	on care shall be exercised to ensu- be structure. The debris that is	ure that no de removed from	bris fall into the the bridge
shall become the construction site.	property of the Contractor and s	shall be remove	d trom the
	MISSISSIPPI DEPART BRIDGE AT		
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ANT OF TRANSSOP ATTON AT	FMS: 107868 / 301000 COUNTY: Scott PROJECT NUMBER: BR-	-0037-04(06 IECKER <u>Alex Hawkins</u> SUE DATE <u>2019-08-07</u>	WORKING NUMBE



PLAN BRIDGE DIVISION SIPPI DEPARTMENT OF TRANSPOF

ØØ: ØØ AMPM DGNFI LENAM

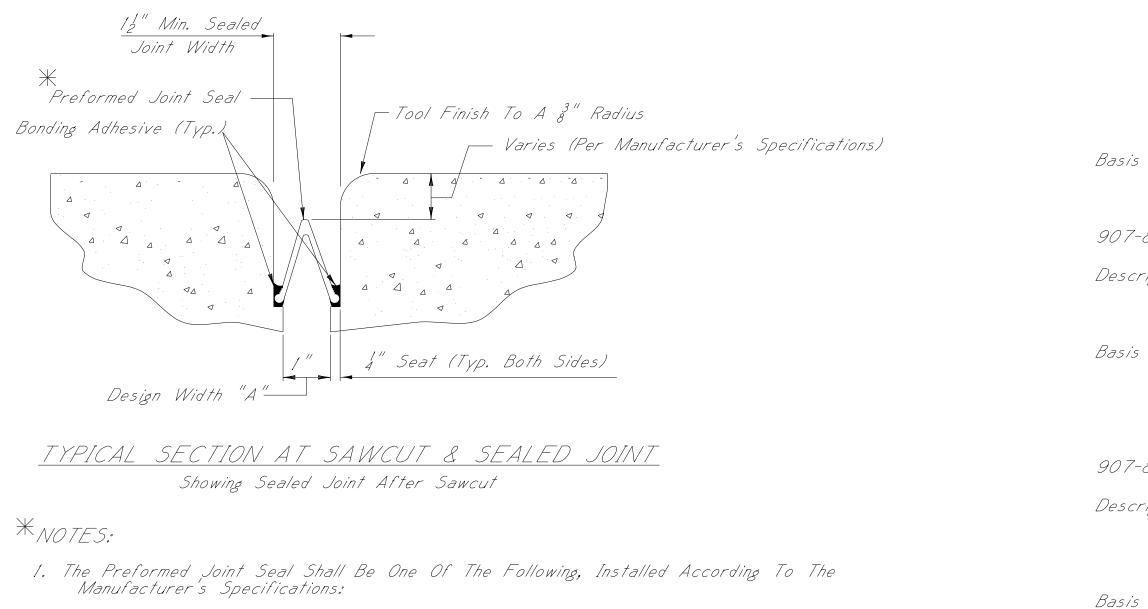


APPROACH ROADWAY JOINT NOTES:

1. It should be noted that the joint between the existing end wall

and the approach roadway shall be left as is. 2. Existing approach roadway to remain in place. Any damage that occurs to the existing approach roadway shall be repaired by the Contractor to the satisfaction of the Engineer at no additional cost to the state.

Desci



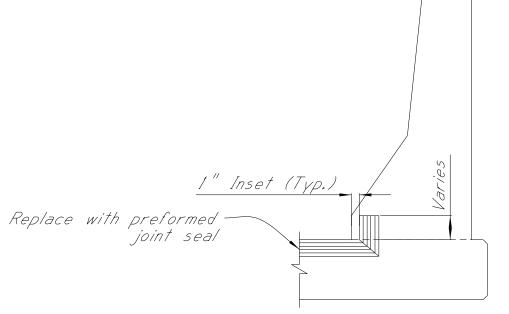
A. Silicoflex Joint Sealing System Manufactured By R.J. Watson, Inc. In Alden, NY www.rjwatson.com

B. Wabo SPS Joint System Manufactured By Watson Bowman Acme Corporation In Amherst, NY www.wbacorp.com

C. Silspec SSS Slicone Strip Seal Manufactured By SSI Commercial & Highway Construction Materials www.ssicm.com

2. For Estimating Purposes, The RJ Watson Silicoflex Joint Sealing System Was Selected. However, Should Another Supplier Be Chosen, It Is The Contractor's Responsibility To Ensure That The Manufacturer's Recommendations Are Followed For Joint Preparation, Installation Depths And Widths, Adhesive Setting Times, And Any Other Variances Between The Specifications Provided By The Manufacturers. A Manufacturer Representative Shall Be Present At The Time Joint Sealing Begins To Ensure That The Contractor Is Properly Schooled In Installation Of The Joint Material.

3. Joints Shall Be Sealed At Their Design Widths, Dimension "A", Which Is Defined As The Actual Width Of The Joint Opening. This Width Does Not Account For The 4" Seat Required On Both Sides Of The Joint. Preformed Joint Seal, Type I, Shall Be Used For Design Widths Less Than 2". Preformed Joint Seal, Type II, Shall Be Used For Design Widths Greater Than or Equal To 2", With The Maximum Design Width Being 22". In Cases Where Design Widths Are Greater Than 22", Another Type Of Expansion Material Shall Be Required As Directed By The Director Of Structures, State Bridge Engineer. It Is The Contractor's Responsibility To Ensure That The Size Selected Is Appropriate For The Width Of The Joint.



* NOTES:

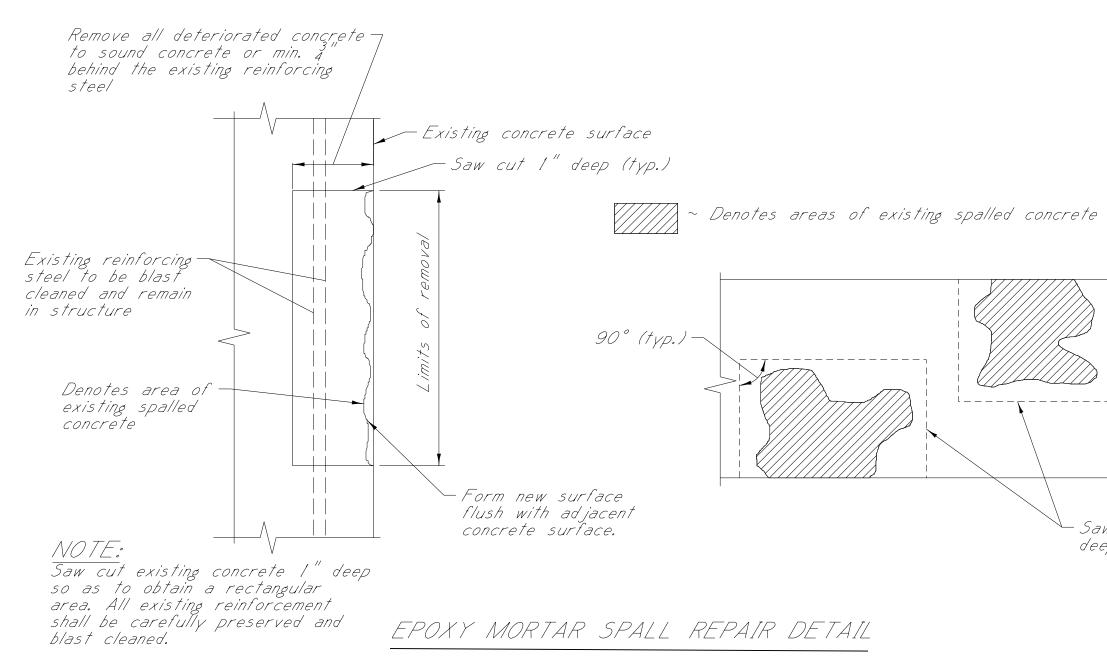
For Jersey Shape Barriers, The Minimum Required Vertical Joint Seal Within The Barrier Is 3". For Post And Beam Barriers, The Minimum Required Vertical Joint Sea Within The Barrier is 6".

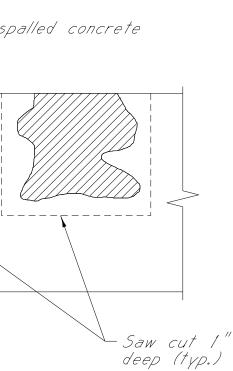
ELEVATION AT END OF SPAN

	STATE	PROJECT NO.
NOTES ON ASSOCIATED ITEMS OF WORK	MISS.	BR-ØØ37-Ø4(Ø64)
907-808-A003 JOINT REPAIR WITHOUT EPOXY	· •	
Description: Shall Include The Work Necessary in Preparation For The Placement Of N As Designated In The Detail Drawing Of Existing Silicone Sealed, Compres Materials Is Included Under This Ite Shall Be In Accordance With The Ap Section 808 Of The Specifications Specified Therein.	lew Expansion Material, s Provided. Removal sion, And AC Sealed S m Of Work. All Othe pplicable Provisions Of	Joint r Requirements
Basis Of Payment: The Accepted Quantities Will Be Pa The Contract Unit Price Along The D On Each Side Of The Centerline Jou	Length Of The Bridge	
907-823-B001 SAW CUT, TYPE I		
Description: The Saw Cut Depth Shall Be Equiv Required By The Manufacturer's Sp Type Shall Be The Same As The F	pecifications. The Sav	v Cut
Basis of Payment: The Accepted Quantities Will Be Pa The Contract Unit Price Along The On Each Side Of The Centerline Jo Responsibility To Ensure That The Based On The Manufacturer's Reco	Length Of The Bridge pint. It Is The Contro Proper Depth Is Selec	Deck actor's
907-823-A001 PREFORMED JOINT SEAL, TYPE I		
Description: Shall Include The Manufacturer's Req Including Sandblasting Both Sides Of Free Of Debris With Compressed An Preformed Joint Seal	The Joint And Blowing	The Joint
Basis Of Payment: The Accepted Quantities Will Be Pa The Contract Unit Price Along The J Joint.		
 GENERAL NOTES: Specifications: Mississippi Standard Specifications And Bridge Construction, 2017. No Change Of Plans Will Be Permitted Except By Approval Of The Director Of Structures, State D Minor Changes To Detail Of Design Or Construction May Be Authorized By The Bridge Engineer Provide Will Not Be Cause For Contract Price Adjustment Work For Which No Pay Item Is Provided In The Not Be Paid For Directly And Shall Therefore Be Absorbed Item of Work. 	Written Bridge Engineer. on Procedure Ied Such Changes ht. Proposal Will	
BRIDGE JOINT JOINT FMS: 107868/3 COUNTY: Scott	at sta 1 ⁻ F repair de	WORKING NUMBER 3 OF 4 SHEET NUMBER

Bent	Span	Length (in)	Width (in)	Remarks	
1	1	6"	6"	BY DRAIN HOLE #3 AT WEST EDGE OF BRIDGE, DELAM	
1	1	6"	2"	BY DRAIN HOLE #2 AT EAST EDGE OF BRIDGE, SPALL	
2	2	12"	12"	AT BOTTOM OF CAP IN THE MIDDLE, SPALL	
2	2	14"	12"	AT WEST EDGE OF BRIDGE ABOVE INSIDE LANE, SPALL	
2	2	60"	60''	AT WEST EDGE OF BRIDGE ABOVE INSIDE LANE, DELAMS, 5 LOCATIONS	
2	2	2"	6"	AT EAST EDGE OF BRIDGE, NEAR BENT 3, EXP. REBAR	
2	2	48"	48"	SPALL AT SOFFIT AT BAY 2, 2 LOCATIONS	
2	2	18"	18"	SPALL AT SOFFIT AT BAY 1	
3	3	12"	12"	AT BOTTOM OF CAP IN THE MIDDLE, SPALL	
3	3	24"	24"	AT BOTTOM OF CAT AT WEST END BY COL 1, DELAM	
3	3	12"	12"	AT WEST EDGE OF BRIDGE BY BEAM 1, NEAR BENT 3, SPALL	
3	3	4"	12"	AT EAST EDGE OF BRIDGE BY BEAM 6, NEAR BENT 3, SPALL	
3	3	36"	24"	SPALL AT BOTTOM OF BRIDGE RAIL AT EAST EDGE OF BRIDGE	
4	4	204"	36"	AT BOTTOM OF ENTIRE CAP AT VARIOUS LOCATIONS, SPALLS, DELAMS, HONEYCOMBING	
4	4	9"	9"	BY DRAIN HOLE #5 AT WEST EDGE OF BRIDGE, SPALL	
4	4	24"	24"	BY DRAIN HOLE #2 AT EAST EDGE OF BRIDGE, SPALL	
4	4	1"	5"	BY DRAIN HOLE #5 AT EAST EDGE OF BRIDGE, SPALL	
4	4	60''	36"	HONEYCOMBING AT SOFFIT AT BAY 1, MIDSPAN	
4	4	6"	6"	AT BEAM 5, NEAR BENT 5, WEST SIDE OF BEAM, SPALL	

APPROXIMATE EPOXY REPAIR LOCATIONS





EPOXY MORTAR REPAIR NOTES:

Repair concrete spalled areas using epoxy mortar on the bridge as directed by the Project Engineer and the epoxy mortar spall repair detail on this sheet. Repair areas shall include, but are not limited to, the locations listed in the table on this sheet. Spalled areas where pack rust has developed around or on reinforcement shall be removed by small hand tools or pressure washing (using 3500 psi pressure). Hammers used for removal shall be limited to 30 pounds. All areas of the bridge repaired with epoxy mortar shall be restored to the original dimensions and details on the information plans, unless otherwise noted. All items of work related to epoxy repair shall be paid for under pay item 907-824-PP005: Bridge Repair, Epoxy Repair.

Materials

I. Epoxy Resin: Resin shall be selected from the MDOT Approved Products List. 2. Silica Sand: The materials shall be bagged general purpose cleaning sand. 3. Epoxy Mortar Mix: The epoxy mortar mix shall consist of part liquid epoxy and part clean dry sand mixed in the ratio recommended by the Manufacturer.

Application

- A. A Representative of the Epoxy Manufacturer must be present for sufficient time to ensure that the Contractor is properly schooled in the use of the
- epoxy material. B. Prior to placement of the mortar mix, the prepared surface shall be lightly primed with neat epoxy. C. Acetone alcohol may be used to clean and lubricate trowels. D. Curing time shall be in accordance with the Manufacturer's recommendations.

EPOXY BINDER:

Contact areas where new epoxy mortar is placed agoinst old concrete shall be cleaned then coated with an approved epoxy binder designed to bond new concrete to old. The binder shall be applied in accordance with the Manufacturer's recommendations.

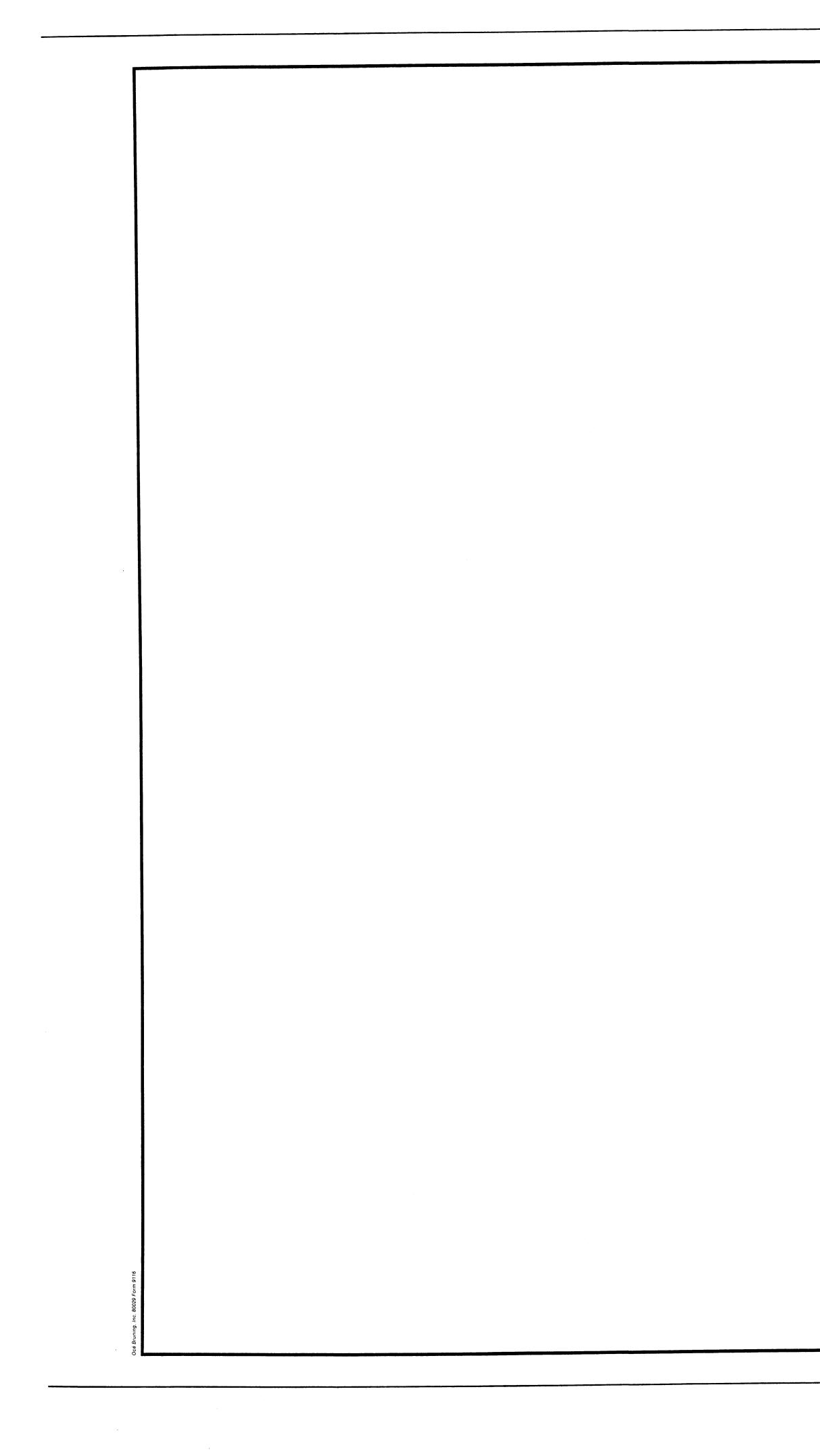
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EPOXY REPAIR LOCATIONS	
COUNTY: Scott WORKING NUMBE	ER
PROJECT NUMBER: BR-ØØ37-Ø4(Ø64) 4 OF 4 PROJECT NUMBER: BR-ØØ37-Ø4(Ø64) 4 OF 4 Image: State st	R
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PROJECT NO.

BR-ØØ37-Ø4(Ø64)

STATE

MISS.



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14340-LT.LN.	14341	RT.LN.	
14355			
14330-LT.LN.	14331-	RT.LN.	
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FOR INFORMATION ONLY: PROJECT NO. BR-0037-04(064)

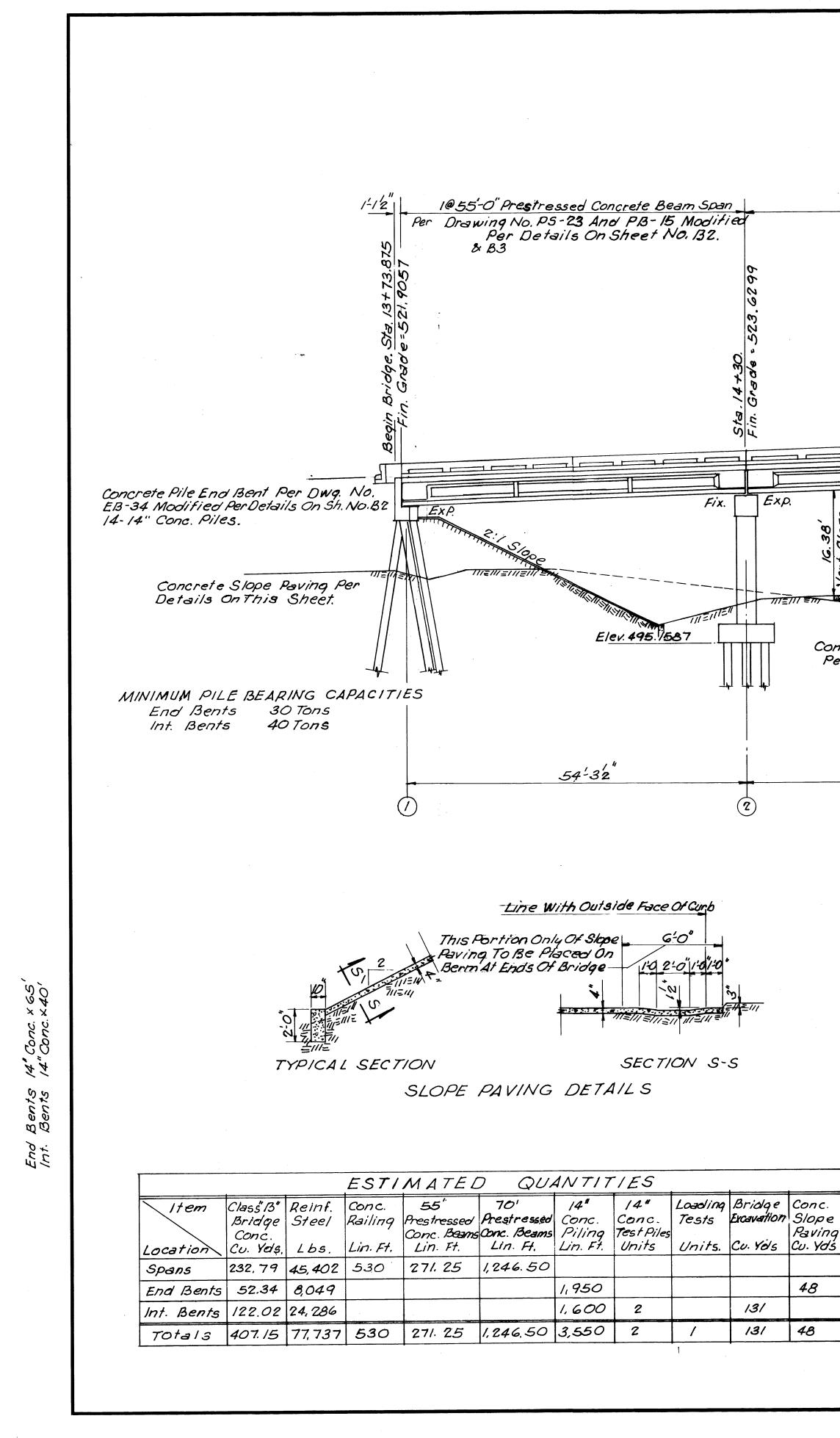
REVISED SHEET NO: 8006

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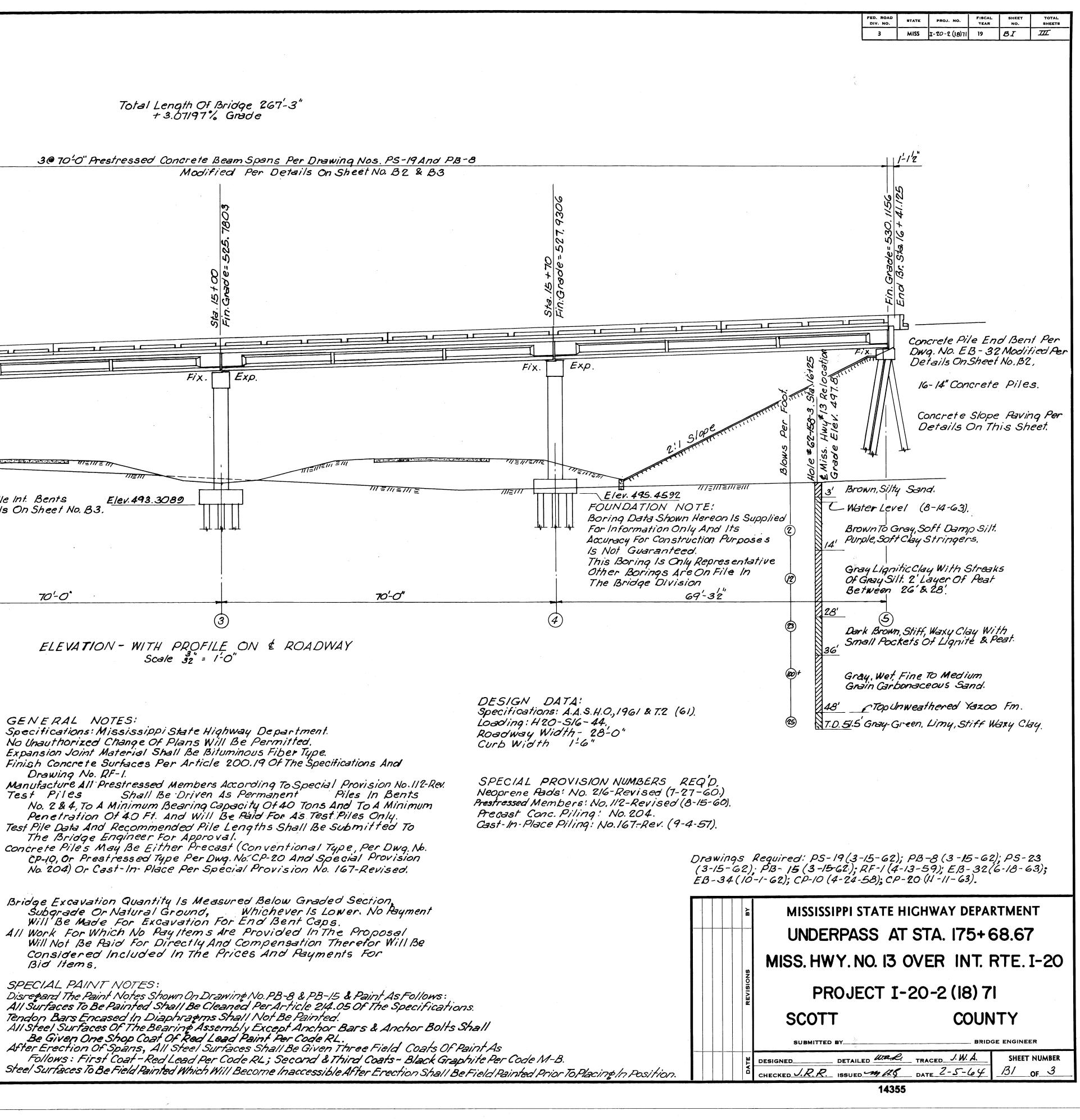
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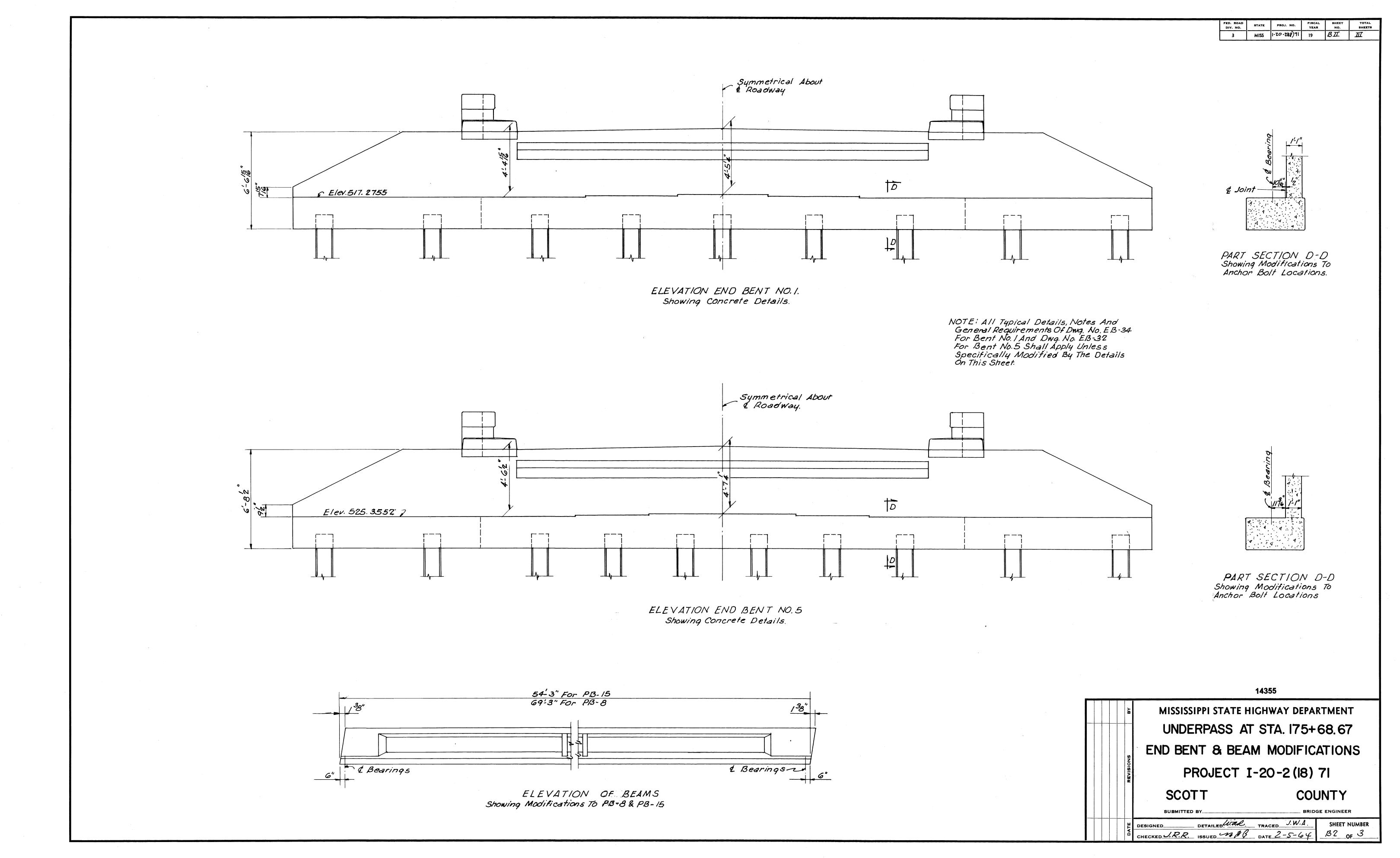


Dietzgen N. O. 135 "Imperial"

Total Length Of Bridge 267-3" + 3.07197% Grade 3@ 70-0" Prestressed Concrete Beam Spans Per Drawing Nos. PS-19 And PB-8 Modified Per Details On Sheet No. B2 & B3 Fix.] Exp. Fix. EXD 11=11=11= Concrete Pile Int. Bents Elev. 493.3089 Per Details On Sheet No. B3. 70'-0" 70'-0" (4)3 ELEVATION - WITH PROFILE ON \notin ROADWAY Scale $\frac{3}{32}$ = 1-0" Loading: H20-SIG-44, Roadway Width- 28-0" Curb Width 1-6" GENERAL NOTES: Specifications: Mississippi State Highway Department. No Unauthorized Change Of Plans Will Be Permitted. Expansion Joint Material Shall Be Bituminous Fiber Type. Finish Concrete Surfaces Per Article 200.19 Of The Specifications And Drawing No. RF-1. Manufacture All Prestressed Members According To Special Provision No. 112-Rev. Test Piles Shall Be Driven As Permanent Piles In Bents No. 2 & 4, To A Minimum Bearing Capacity Of 40 Tons And To A Minimum Penetration Of 40 Ft. And Will Be Paid For As Test Piles Only. Test Pile Data And Recommended Pile Lengths Shall Be Submitted To The Bridge Engineer For Approval. Concrete Piles May Be Either Precast (Conventional Type, Per Dwg. Nb. CP+10, Or Prestressed Type Per Dwg. No. CP-20 And Special Provision No. 204) Or Cast-In- Place Per Special Provision No. 167-Revised. Bridge Excavation Quantity Is Measured Below Graded Section, Subgrade Or Natural Ground, Whichever Is Lower. No Payment Will Be Made For Excavation For End Bent Caps. All Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefor Will Be Considered Included In The Prices And Payments For Tests Excavation Slope Paving Bid Items, SPECIAL PAINT NOTES: SPECIAL PAINT NOTES: Disregard The Paint Notes Shown On Drawing No. PB-8 & PB-15 & Paint As Follows: All Surfaces To Be Painted Shall Be Cleaned PerArticle 214.05 Of The Specifications. Tendon Bars Encased In Diaphratms Shall Not Be Painted. All Steel Surfaces Of The Bearing Assembly Except Anchor Bars & Anchor Bolts Shall Be Given One Shop Coat Of Red Lead Paint Per Code RL. After Erection Of Spans, All Steel Surfaces Shall Be Given Three Field Coats Of Paint As Follows: First Coat - Red Lead Per Code RL; Second & Third Coats - Black Graphite Per Code M-B. Steel Surfaces To Be Field Drinted Which Will Boome Inconscients of Merice Shall Painted Shall Prince To Be Shall Per Code M-B. 48 131 131 48

FOR INFORMATION ONLY: PROJECT NO. BR-0037-04(064)

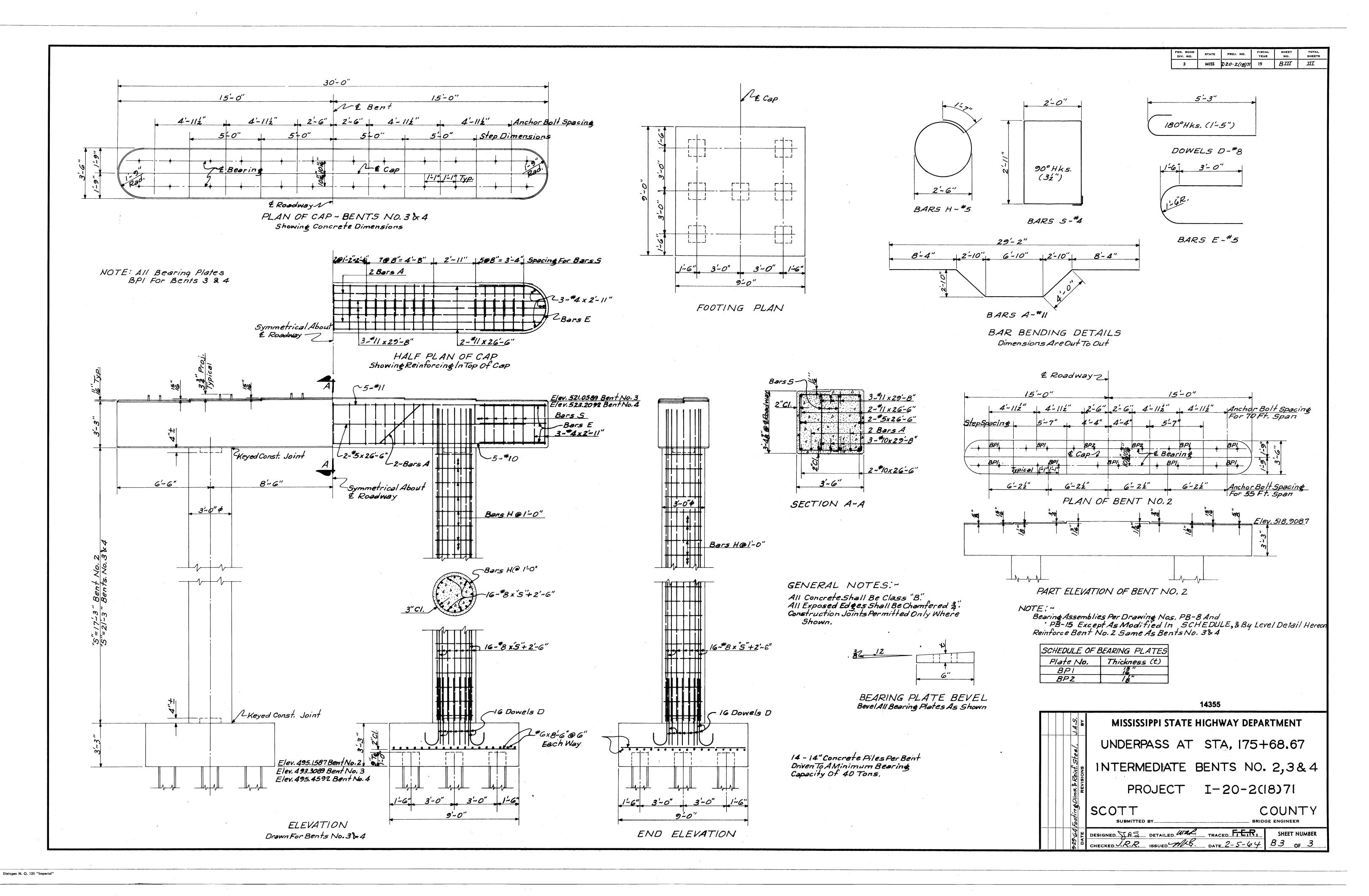




Dietzgen N. O. 135 "Imperial"

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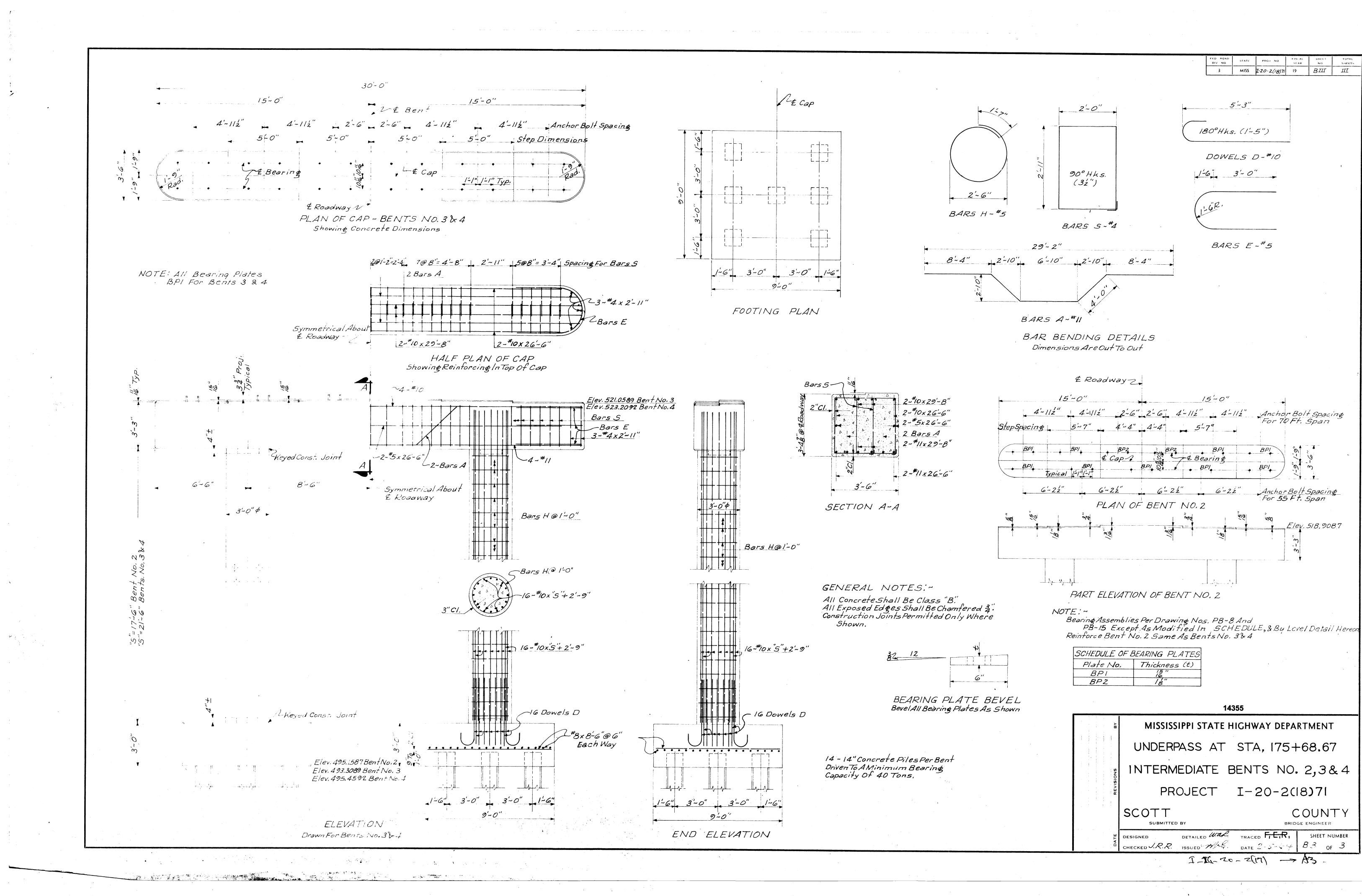
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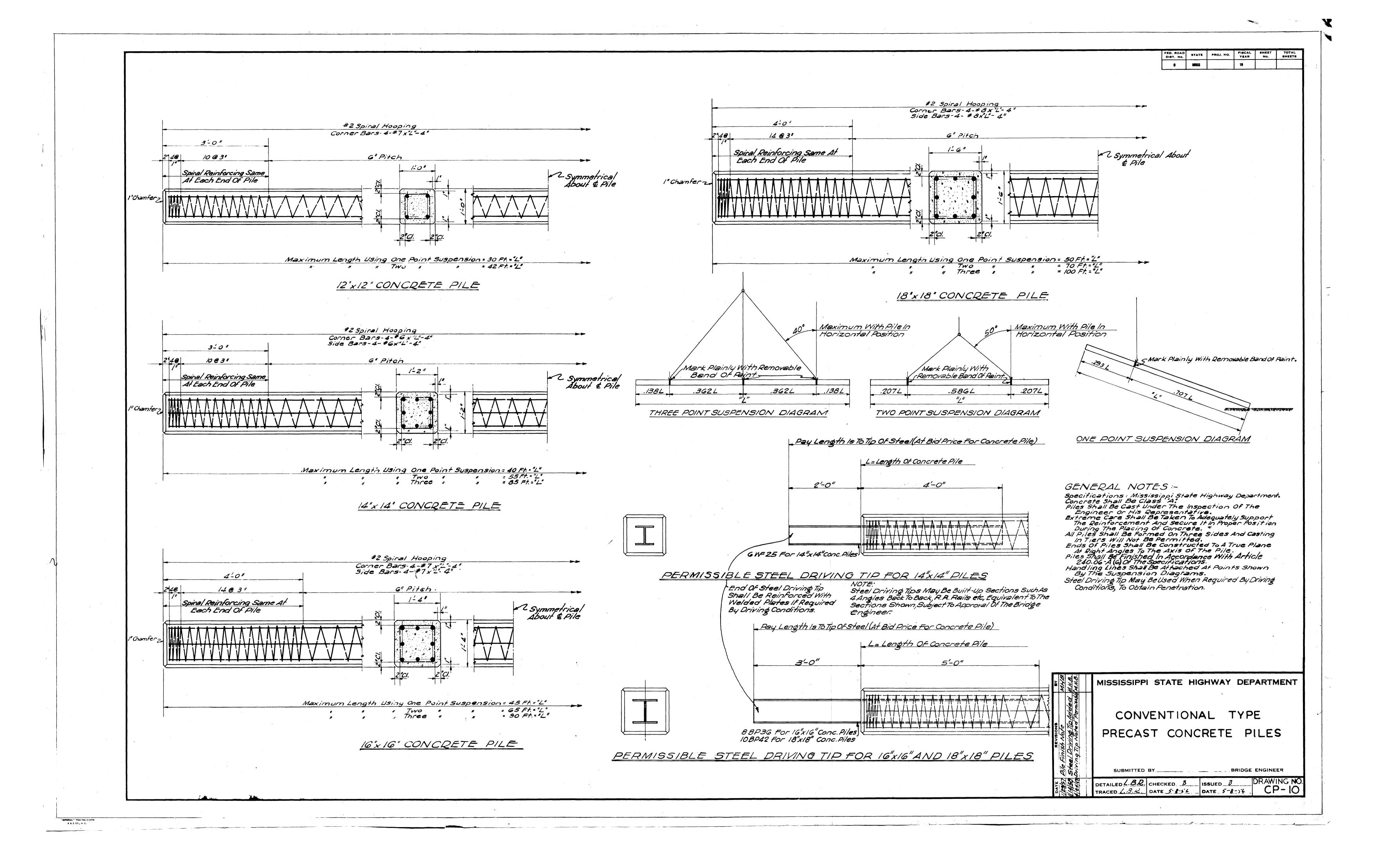


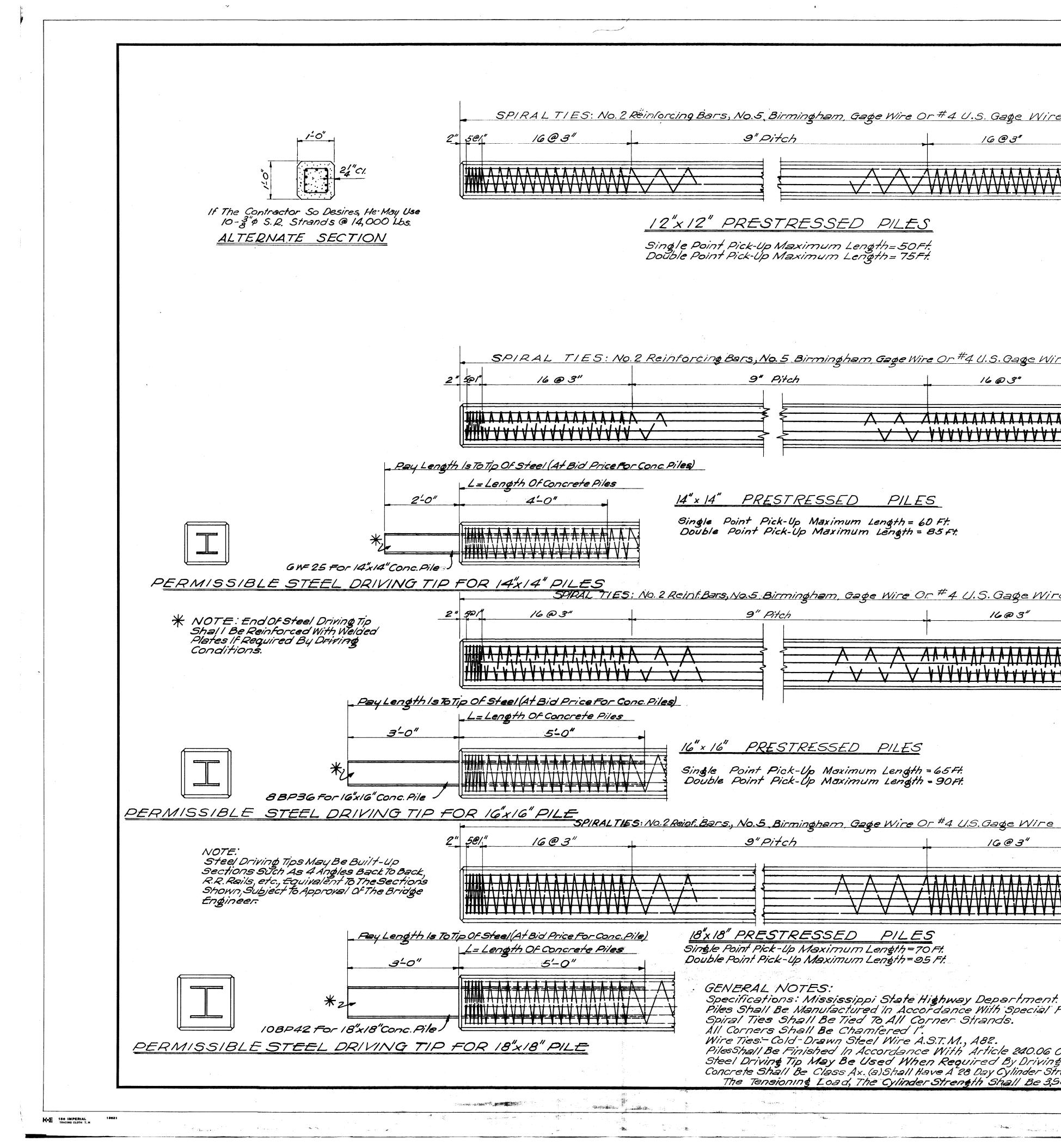
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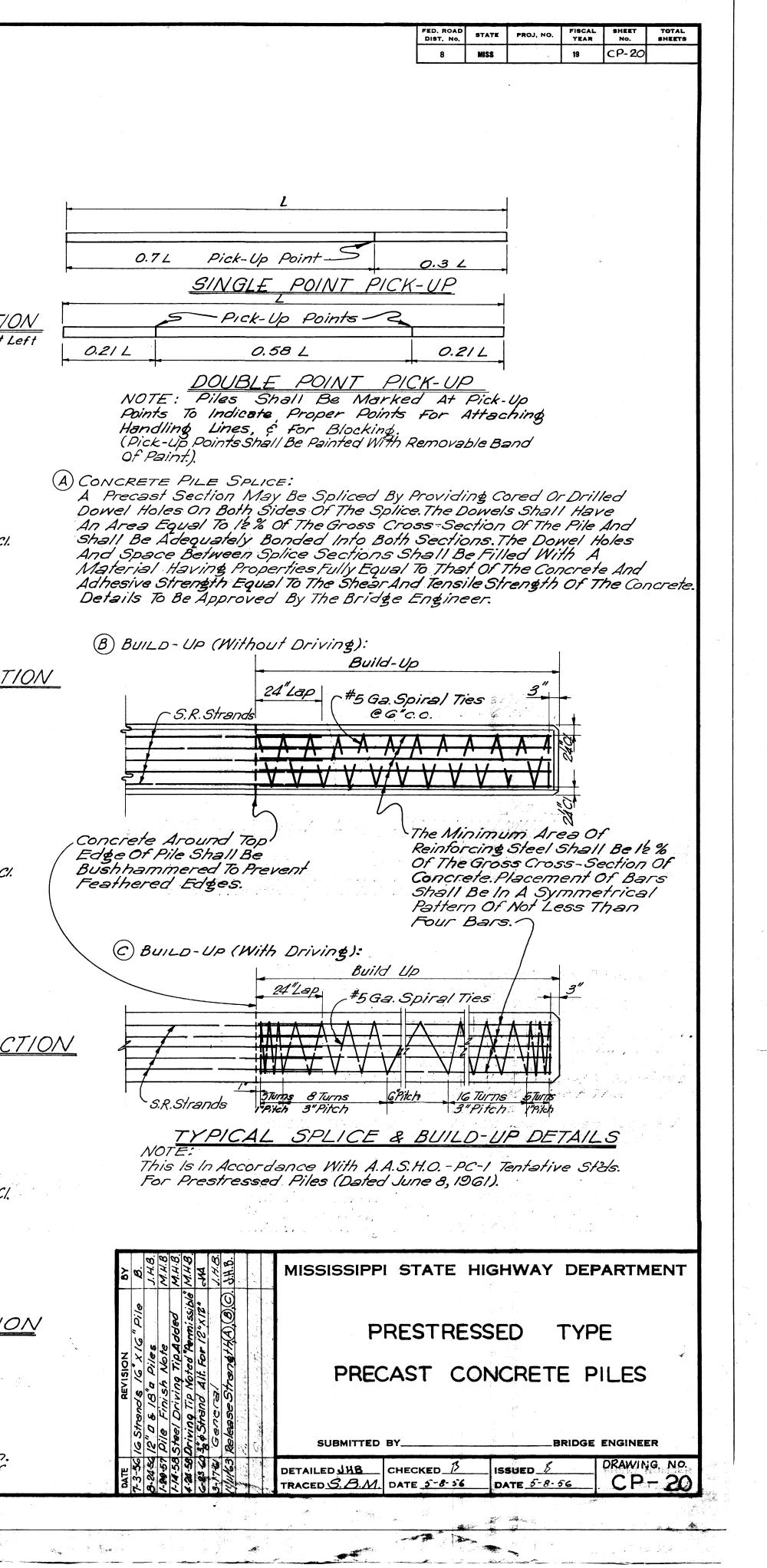
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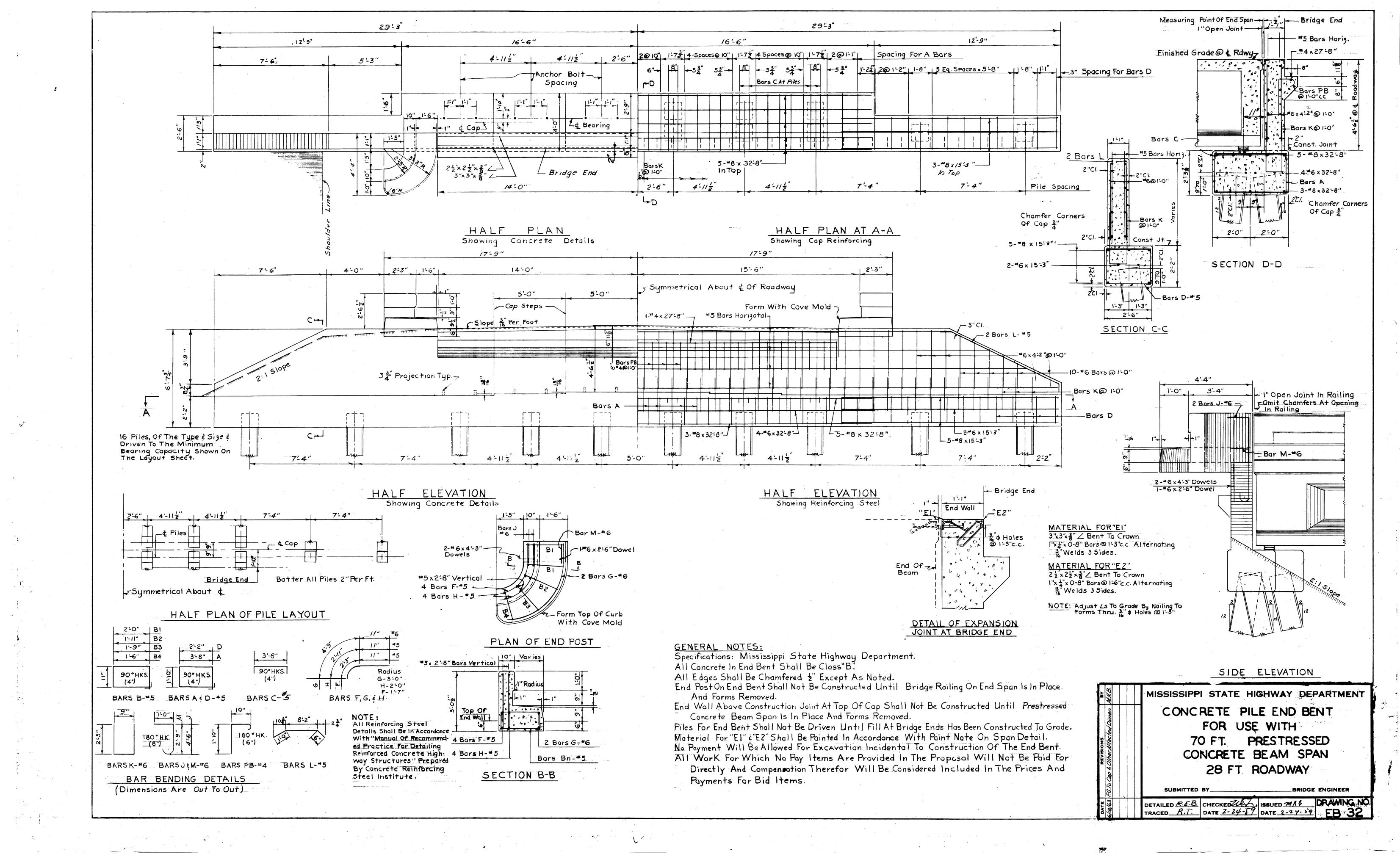


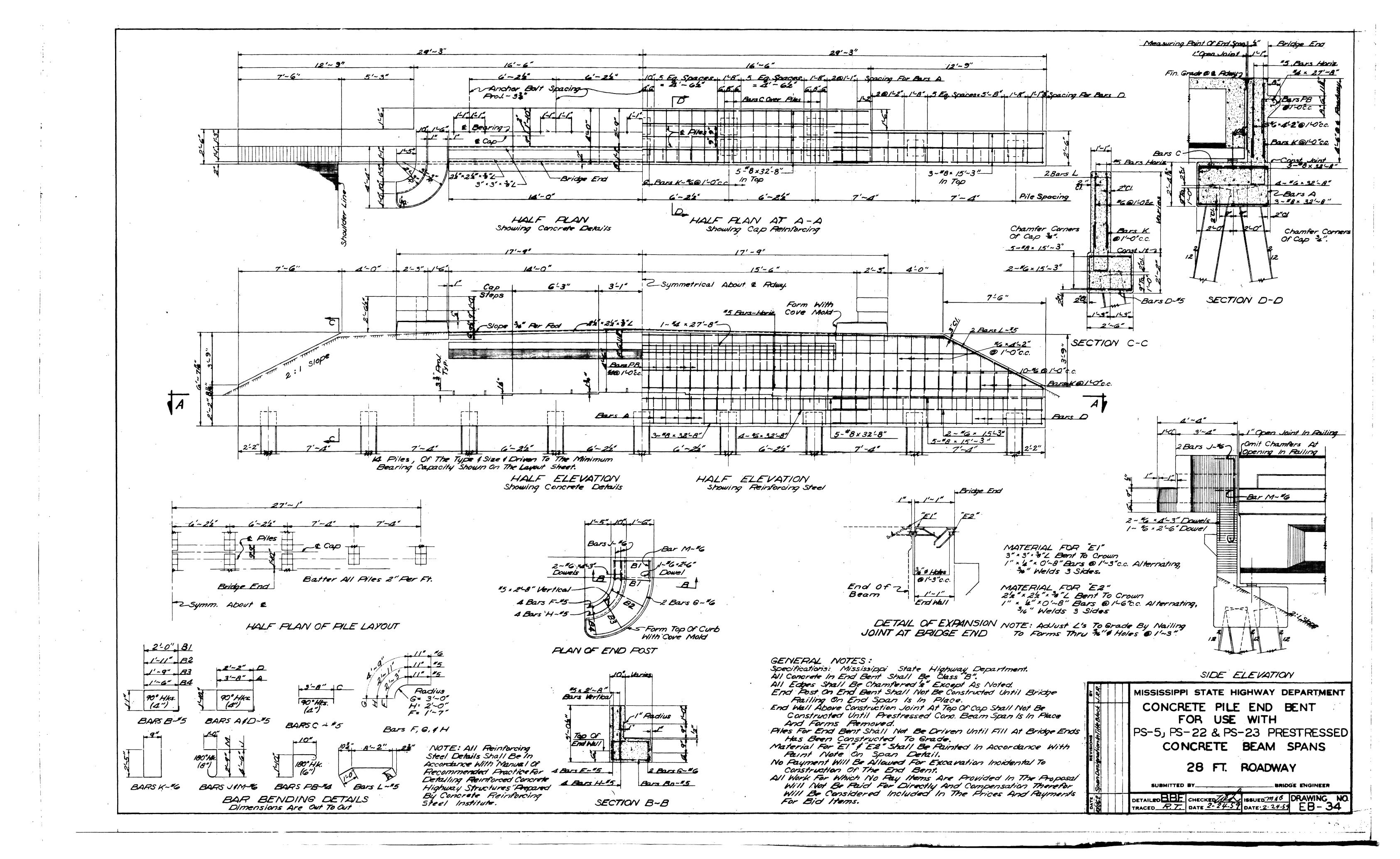


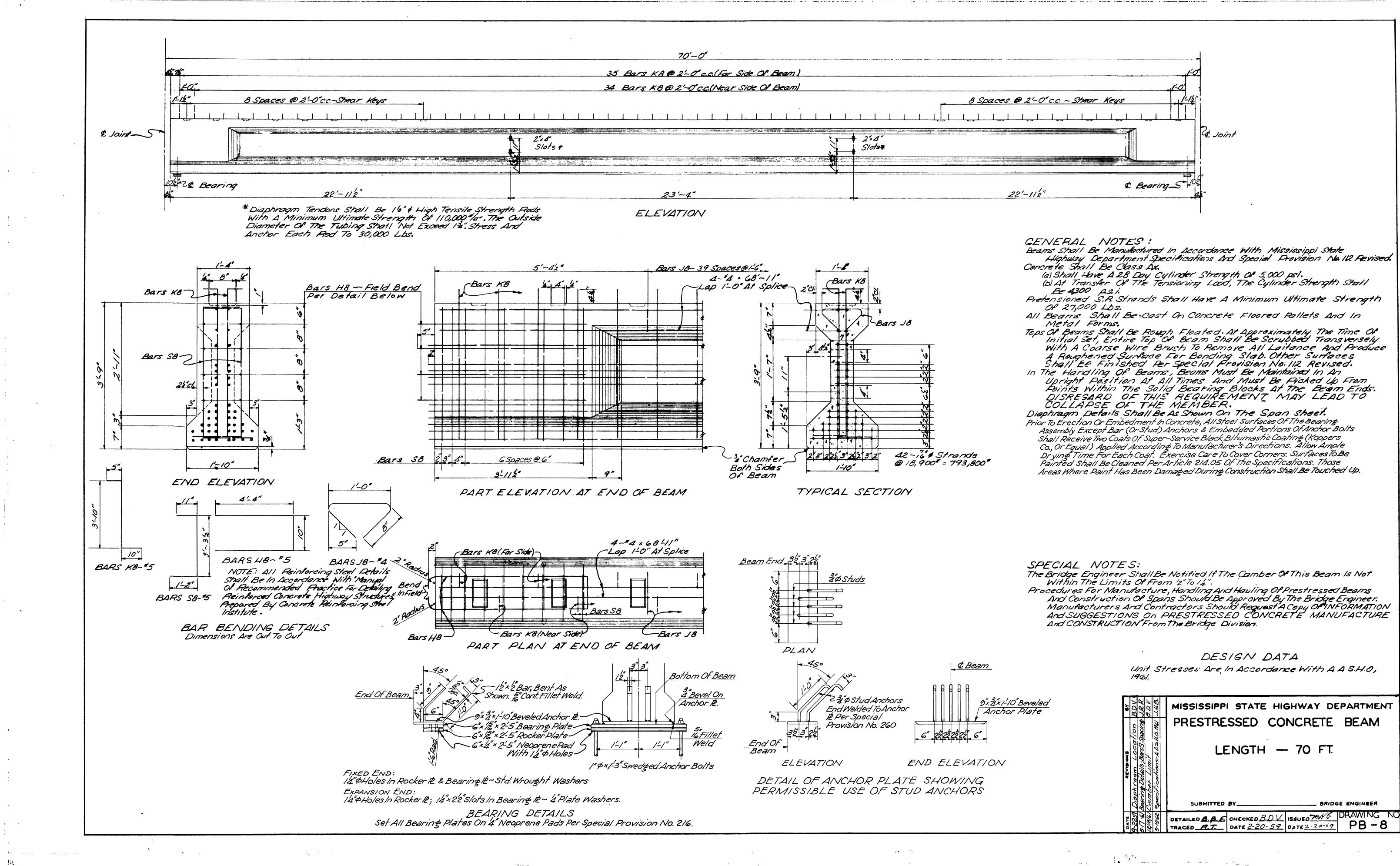


SPIRAL TIES: No. 2 Reinforcing Bars, No.5 Birmingham, Gage Wire Or # 4 U.S. Gage Wire 9" Pitch 16@3" - 1'-0" 1:0% 12~16 \$\$ \$\$ S.R. Strands) @10,500 Ibs 12"x12" PRESTRESSED PILES Single Point Pick-Up Maximum Length=50Ft. Double Point Pick-Up Maximum Length=75Ft. TYPICAL SECTION See Alternate Section At Left SPIRAL TIES: No.2 Reinforcing Bars, No.5 Birmingham, Gage Wire Or #4 U.S. Gage Wire 1-2" 9" Pitch 16@3" 1 24 Cl. 12-3" \$S.R. Strands) @ 14,000 lbs. 14" × 14" PRESTRESSED PILES TYPICAL SECTION Single Point Pick-Up Maximum Length = 60 Ft. Double Point Pick-Up Maximum Length = 85 Ft. SPIRAL TIES: No. 2 Reinf. Bars, No.5. Birmingham, Gage Wire Or #4 U.S. Gage Wire 9" Pitch 16@3" 1-4" 24"Cl. 16-305.R. Strands) @ 14,000 1bs. 16" × 16" PRESTRESSED PILES TYPICAL SECTION Single Point Pick-Up Maximum Length = 65 Ft. Double Point Pick-Up Maximum Length = 90 Ft. 9" Pitch 16@3" 1-6" 50000 24Cl. 0.0 0 0 0 18 x 18 PRESTRESSED PILES 20~}"\$"\$S.R.Strands]_____ @ 14,000 lbs Single Point Pick-Up Maximum Length=70 Ft. Double Point Pick-Up Maximum Length=95 Ft. TYPICAL SECTION GENERAL NOTES: GENERAL NOTES: Specifications: Mississippi State Highway Department. Piles Shall Be Manufactured in Accordance With Special Provision No.112-Revised. Spiral Ties Shall Be Tied To All Corner Strands. All Corners Shall Be Chamfered I". Wire Ties:- Cold-Drawn Steel Wire A.S.T.M., A82. PilesShall Be Finished In Accordance With Article 240.06 Of The Specifications. Steel Driving Tip May Be Used When Required By Driving Conditions, To Obtain Penetration. Concrete Shall Be Class Ax. (a)Shall Have A 28 Day Cylinder Strength Of 5,000 p.s.i. (b) At Transfer Of The Tensioning Load, The Cylinder Strength Shall Be 3,500 p.s.i. a Barren in a а. А.









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