

1.1.1

FEC ROAD DIST. NO.		FED. AID PROJ. NO.			TOTAL SHEETS
5	MO.		19	51	

GENERAL NOTES

SPECIFICATIONS: Design Specification A.A.S.H.O.-1961

DESIGN LOADING: H15-44 (15#/sq. ft. Future Wearing)

Surface) DESIGN UNIT STRESSES:

structural Steel (ASTM A36-627) Stress 20,000 psi Reinforcing Steel Stress 20,000 psi Concrete, Class & Stress 1,200 psi Concrete, Class BI Stress 1,600 psi Steel Pile shall be A.S.T.M. A36-62T CONCRETE:

Superstructure concrete shall be Class Bl

Substructure concrete shall be Class B or Class BI except payment will be on the basis of Class B.

SURFACE SEAL:

Superstructure deck to be surface sealed. (See special provisions)

BAR COVER:

All dimensions to reinforcing steel are to & bar except where clear distance from face of concrete is indicated.

WELDING

gualification of welding operators.

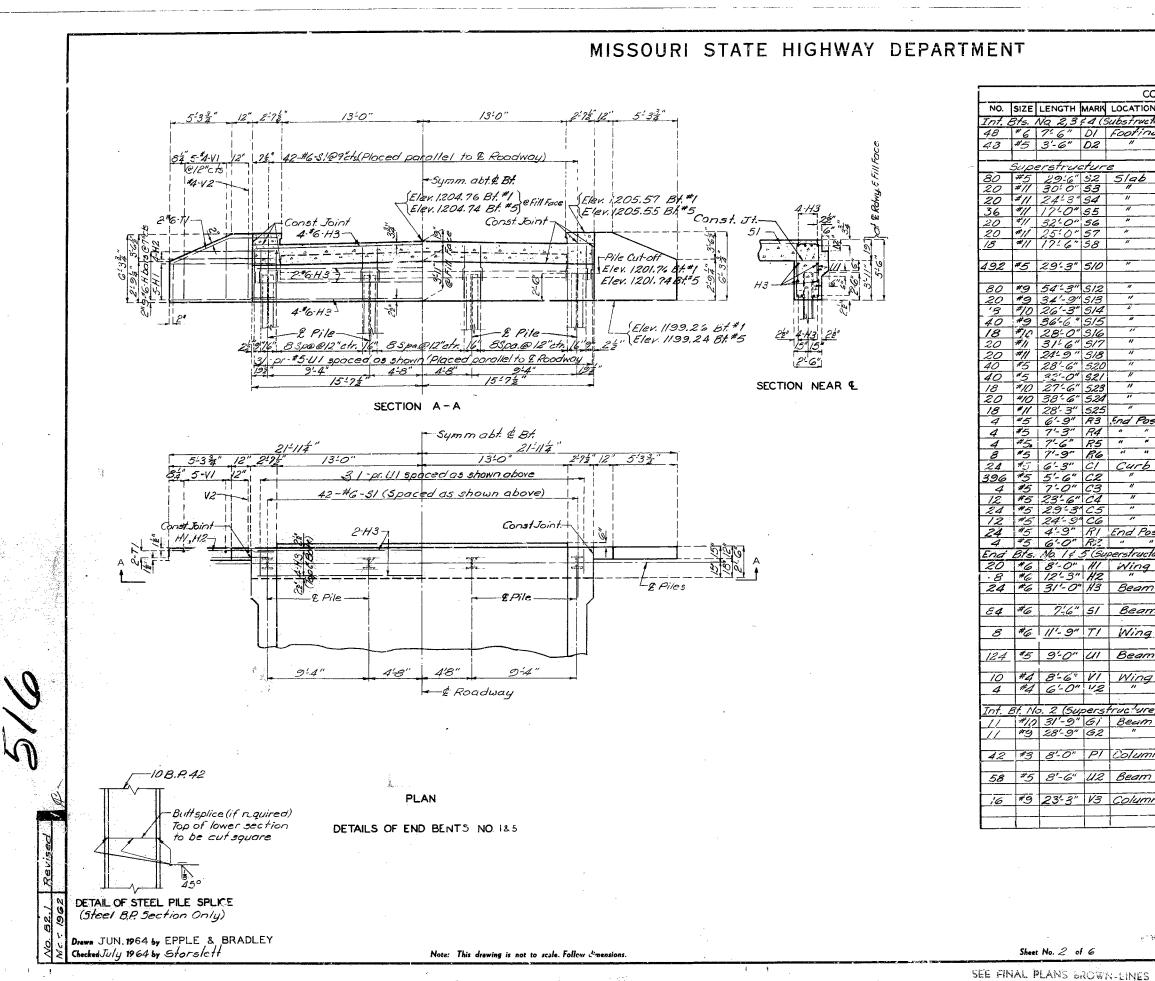
FILLED JOINTS:

Where Joint filler is specified on the plans it shall conform to Standard Specification 157.2.4. PAINT: Structural steel (handrail) shall be cleaned and painted in the field or may be cleaned and painted one coat of red lead in the shop with the two remaining coats applied in the field; all to be in accordance with standard Specification 55.4.10. In lieu of painting, the contractor may, if he prefers, galvanize this material in accordance with Standard Specifications 55.2.8 and 55.4.11. All galvanizing shall be done after fabrication.

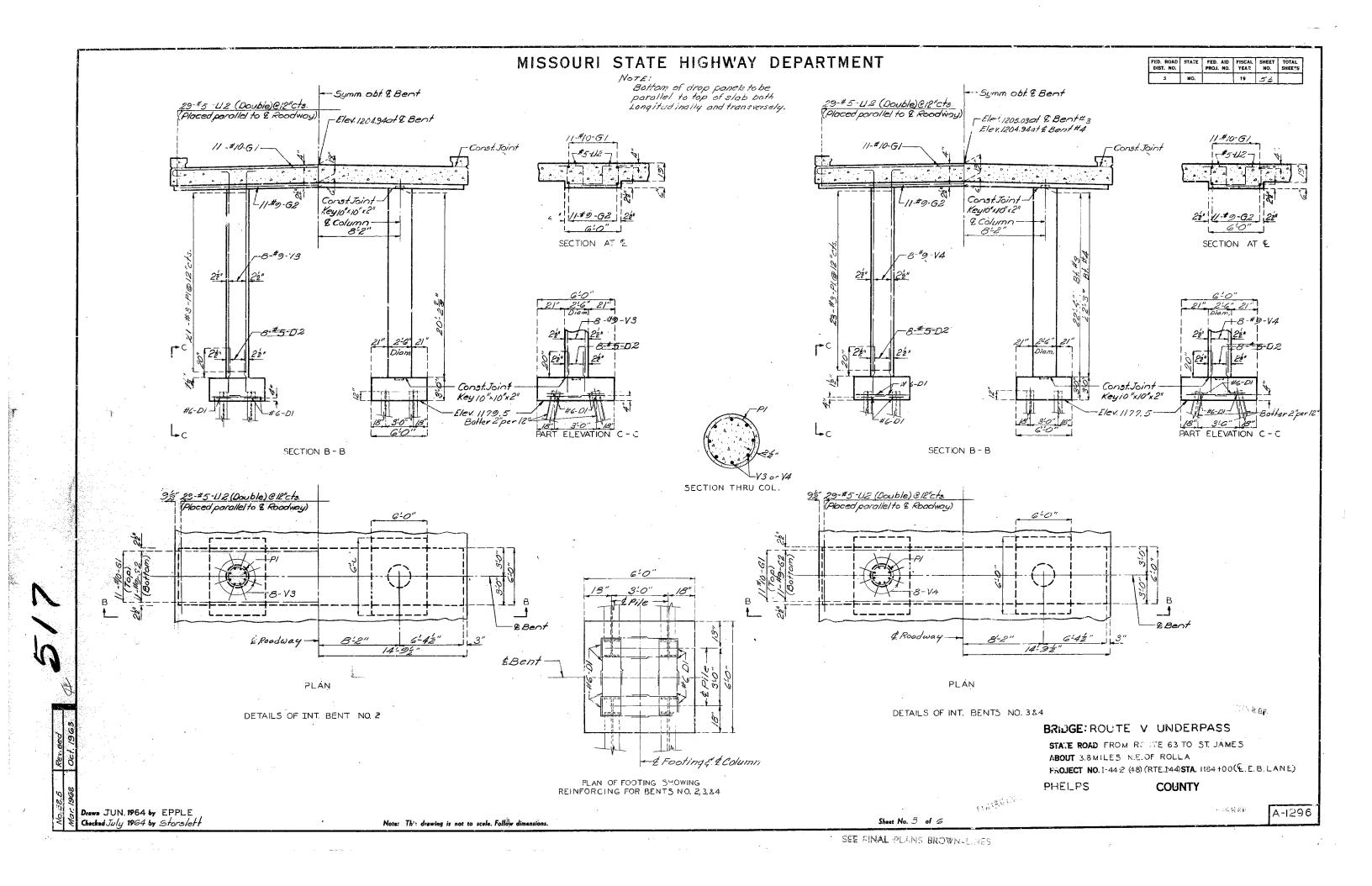
CONSTRUCTION CLEARANCE: A minimum vertical clearance of 13'-6" from slab of existing lanes, and a minimum lateral clearance of 14'-0" from centerline of existing lanes shall be maintained during construction.

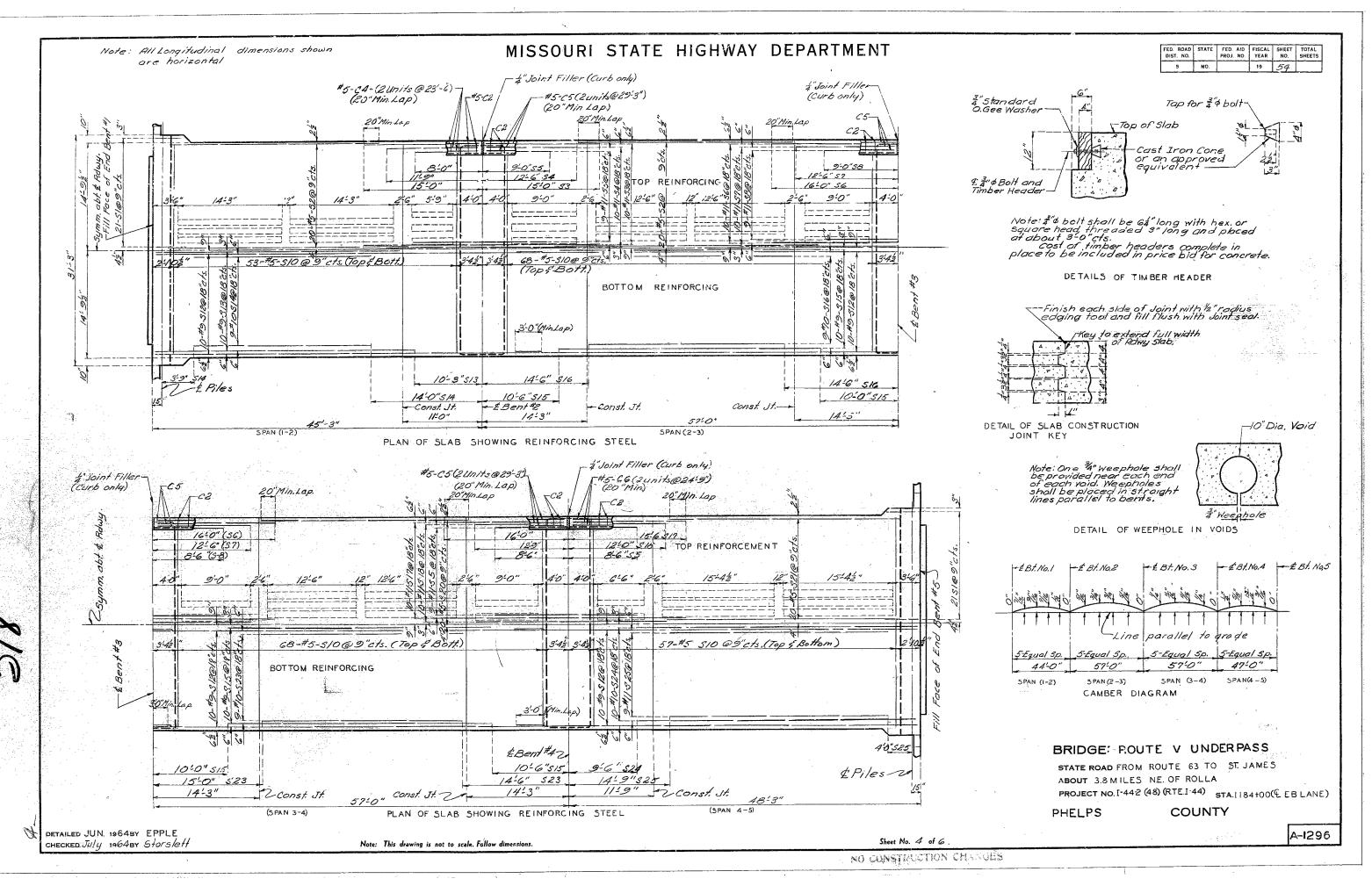
M. Elev. 1192.65, ¤ on 5.W. C 0' .Lt. Sta. 1185+70 (U.S.G.S	Cor. Sign post base , Jatum)
RIDGE: ROUTE V UNDE	PPASS
STATE ROAD FROM ROUTE 63	TO ST. JAMES
ABOUT 3.8 MILES N.E. OF ROLLA	
PROJECT NO. I-44-2 (48) (RTE.I-4	4) STA. 1184+00(()/E:B:LANE)
HELPS CC	DUNTY
MITTED BY D. B. Junkins ONTE Of !	e/64
ROVED BY M. J. Swider OATE 8/1	std. 54.00
PROVED BY MILL GATE OF O	11986 A-1296

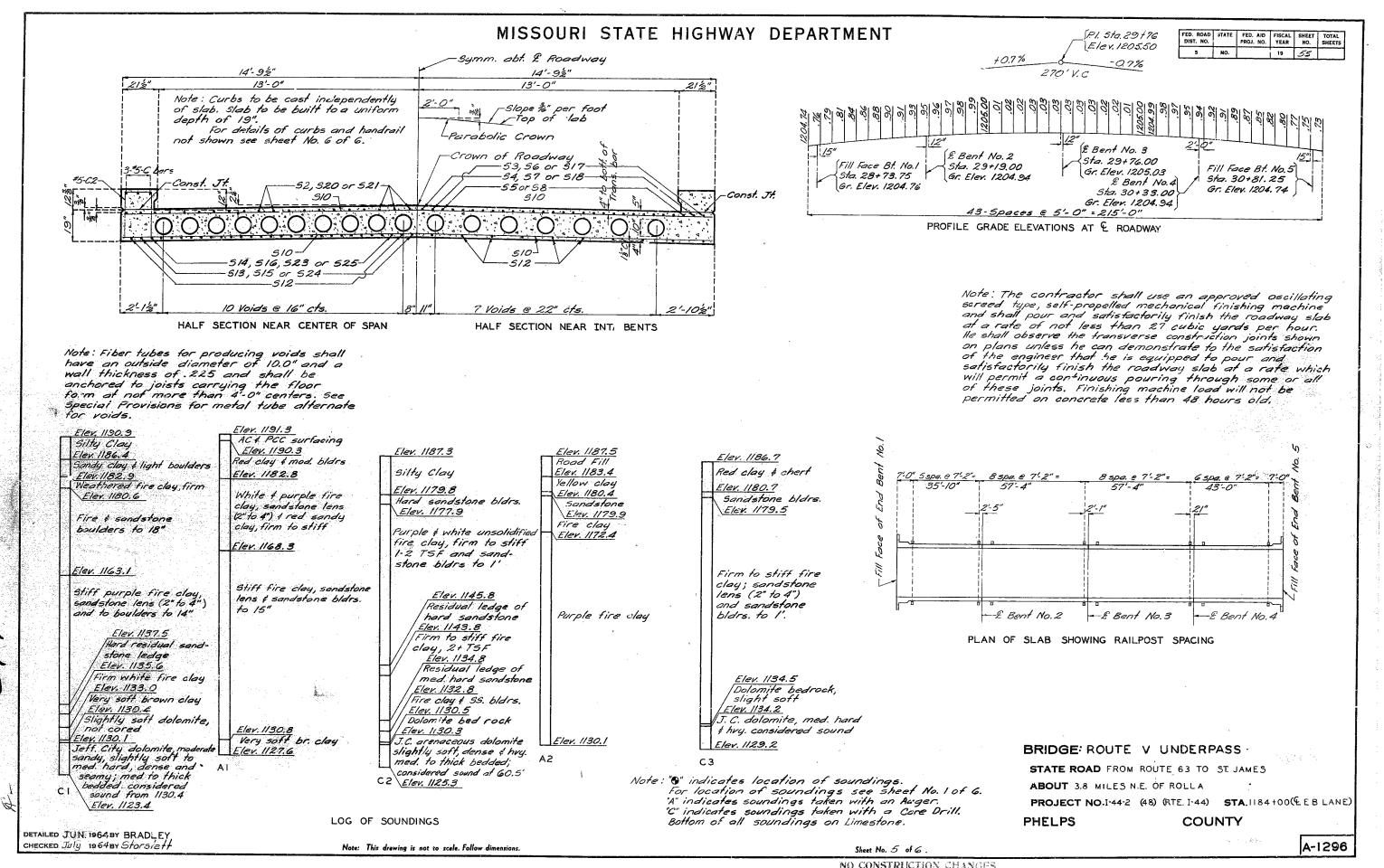
+ <u>+</u>



		FED BOAD	STATE	EKD LID	FICAL	CHErry	70.00
		FED. ROAD DIST. NO.	ļ	FED. AID P ^{r.} OJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		5		<u> </u>	19	52	L
ETE BILL OF F			au n m		h		
BENDING SK CUTTING I				LENGTH			
2-11" 8"	4'-9ª4" 10±"	22	#10	31'-9'	GI		am
ا له		22	# 9	28'-9"	62	·'	
5-7" 2-11	7-54" 4-93	92	*3	8'-0"	P	Coll	umn
<u>8'6"</u> 5-VI Cut IO	12-3"	116	# 5	8'-6"	42	Be	am
5-VI CUT 10	4-H2 Cut 8	32	#9	25'-3"	14	Cold	umn
••	[**][*						
	<u> </u>						
		<u> </u>	L				
						<u> </u>	
						ļ	
17	" 5'-0" _						
× F + − Z					<u> </u>		
EL a'	07	h					
	C3			<u> </u>	1		
<i>(</i> " <i>(</i> "							
<u></u>	4						
				-			
28-5"				12"			
GI	لووا				/	T	
						i	
			í		(
					(
				2'-2'		 	┓╤╶╴
42" 3'-11	" 31 112			2:22 PI		 	
42" 3'-// 6" - 142 b b 6 - 142	" 31 13 14			2:22 P1 3"			
42 3-11 6 142 6 142 142 142 142 142		T T		2:28 PI			
		R2 R2		2:25" PI 8"	62	<u>84</u>	<u>R5</u>
1				2:22 PI 9"		7" 84	.9" R5 10" R6
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		2:22 PI		2'-4" R3	2'-9" R5 2'-/0" R6
				2:22 PI 8"		2'-4" 83	2'-9" R6
al -Horiz		10000 2000 2000 2000 2000 2000 2000 200	3"Re		A" 2'-0" PZ	2:-4" 83	2'-9" R5
Horiz		10000 2000 2000 2000 2000 2000 2000 200	1 	<u>s"</u>	A" 2'-0" PZ	2-4" R3	2'-9" R5
Horiz		10000 2000 2000 2000 2000 2000 2000 200	3"Rcc2 3"Rcc2 3"	3" 	24 .0.2 W	2: 7" R4	2'-9" R5
Horiz		10000 2000 2000 2000 2000 2000 2000 200	3"ReA 3"		24 .0.2 W	5-2-2 3-0	2'-9" R5
al -Horiz		10000 2000 2000 2000 2000 2000 2000 200	3"RcA	3" 	24 .0.2 W	2: 7" R4	2'-9" R5
al -Horiz		2007-2-R	3"ReA 62	3" 	24 .0.2 W	2: 7" R4	2'-9" R5
Horiz		10000 2000 2000 2000 2000 2000 2000 200		3" 	24 .0.2 W	2: 7" R4	2'-9" R5
- Horiz 51-V3 <u>12"</u> D1 <u>2'-24"</u> C1 <u>164"</u> C2 <u>2'-25"</u> U1 <u>55</u> 50 50 50 50 50 50 50 50 50 50 50 50 50		R2-R	3"Rcd 42"	3" 	24.0.2 FR 86	2:7" R4	2:-9" R5
- Horiz 51-V3 <u>12"</u> D1 <u>2'-24"</u> C1 <u>164"</u> C2 2'-25" 111 0 000		R2-R	3"Rec 3".	3" 	24.0.2 FR 86	2: 7" R4	2'-9" R5
12" DI 2'-24" C! 164" C! 164" C! 2'-24" C! 164" C! 1000 100		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		3" 3" 3" 3" 3" 3" 3" 3" 3" 3" 3" 3" 3" 3	24.0;2 FR RG	10 2:7" R4	2'-9" R5
12" DI 2'-24" C! 164" C2 2'-24" C! 164" C2 2'-24" UI 0 000 0 000	-V4 3	4'-0" (12)		9" 9" 14-R5- 15-5 19-2 PASS	24.0;2 F	10 2:7" R4	2'-9" R5
<i>IZ DI</i> <i>Z'-ZZ' CI</i> <i>IGZ'' CZ</i> <i>Z'-ZZ'' UII</i> <i>DI-CI-CZ-UI</i> BRIDGE STATE I ABOUT	E: ROUTE N ROAD FROM RO 3.8 MILES N.E.	4'-0" 4'-0" 12 12 12 12 12 12 12 12 12 12	DEF	PASS ST. JAN	RG RG	2. 2. 4 3 3	25-0-15- 25-01-16-
<i>LIOFIZ</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>SI-V3</i> <i>S</i>	E: ROUTE N	4'-0" 4'-0" 12 12 12 12 12 12 12 12 12 12	DEF	PASS ST. JAN	RG RG	2. 2. 4 3 3	25-0-15- 25-01-16-
- Horiz 51- V3- 51- V3- 12" D1 2-24" C1 164" C2 2-24" 2-24" 01-C1-C2-U1 BRIDGE STATE I ABOUT	E: ROUTE N ROAD FRON RO 3.8 MILES N.E. T NO.I-44-2(48) (4'-0" 4'-0" 12 12 12 12 12 12 12 12 12 12	DEF TO	8" 10 10 10 10 10 10 10 10 10 10	RG RG	2. 2. 4 3 3	25-0-15- 25-01-16-
- Horiz 51- V3- 12" D1 2'-24" C1 164" C2 2'-25" U1 01-C1- C2- U1 BRIDGE STATE I ABOUT	E: ROUTE N ROAD FRON RO 3.8 MILES N.E. T NO.I-44-2(48) (4'-0" 12 4'-0" 12 12 12 12 12 12 12 12 12 12	DEF TO	8" 10 10 10 10 10 10 10 10 10 10	RG ES	2. 2. 4 3 3	25-0-15- 25-01-16-



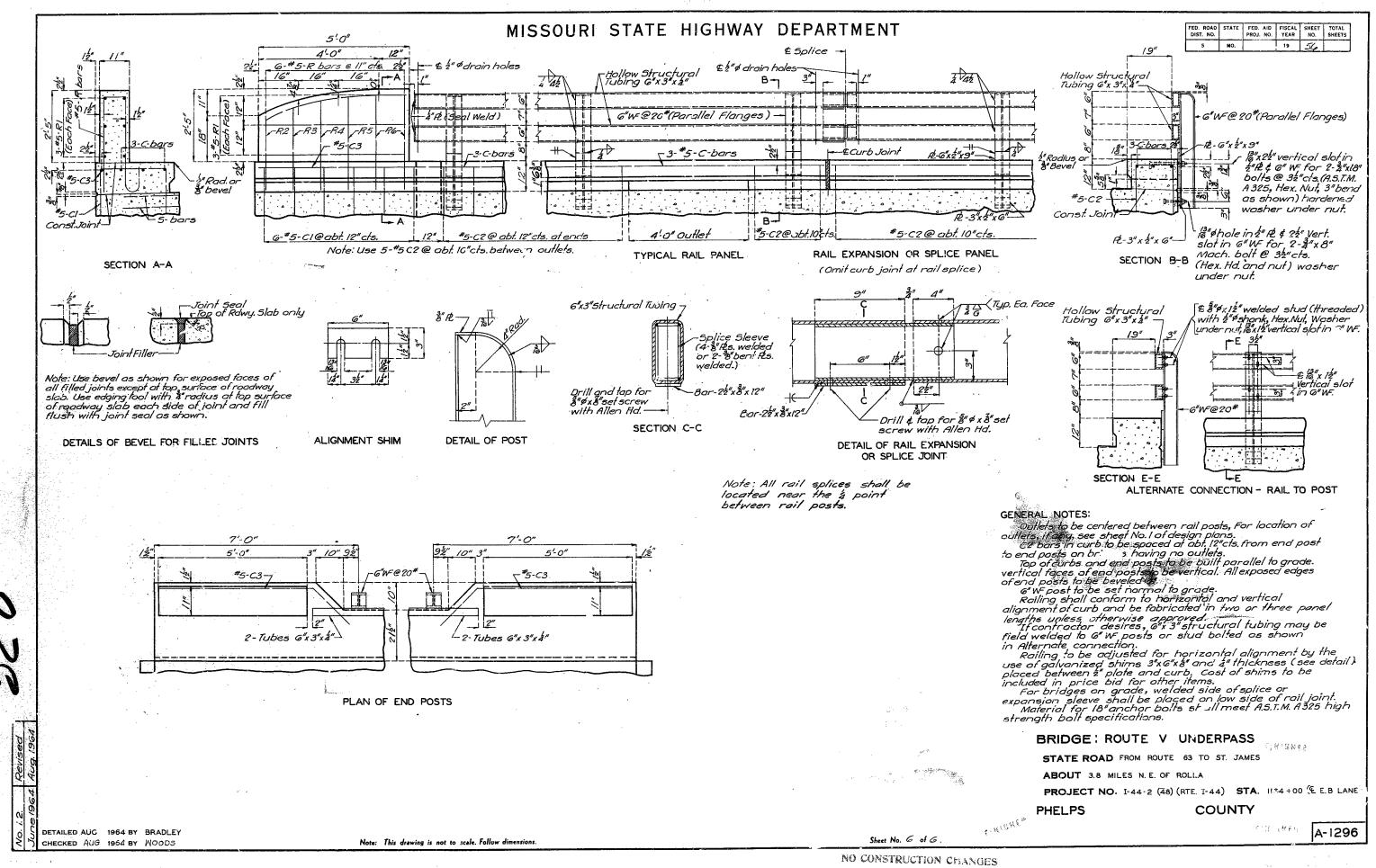


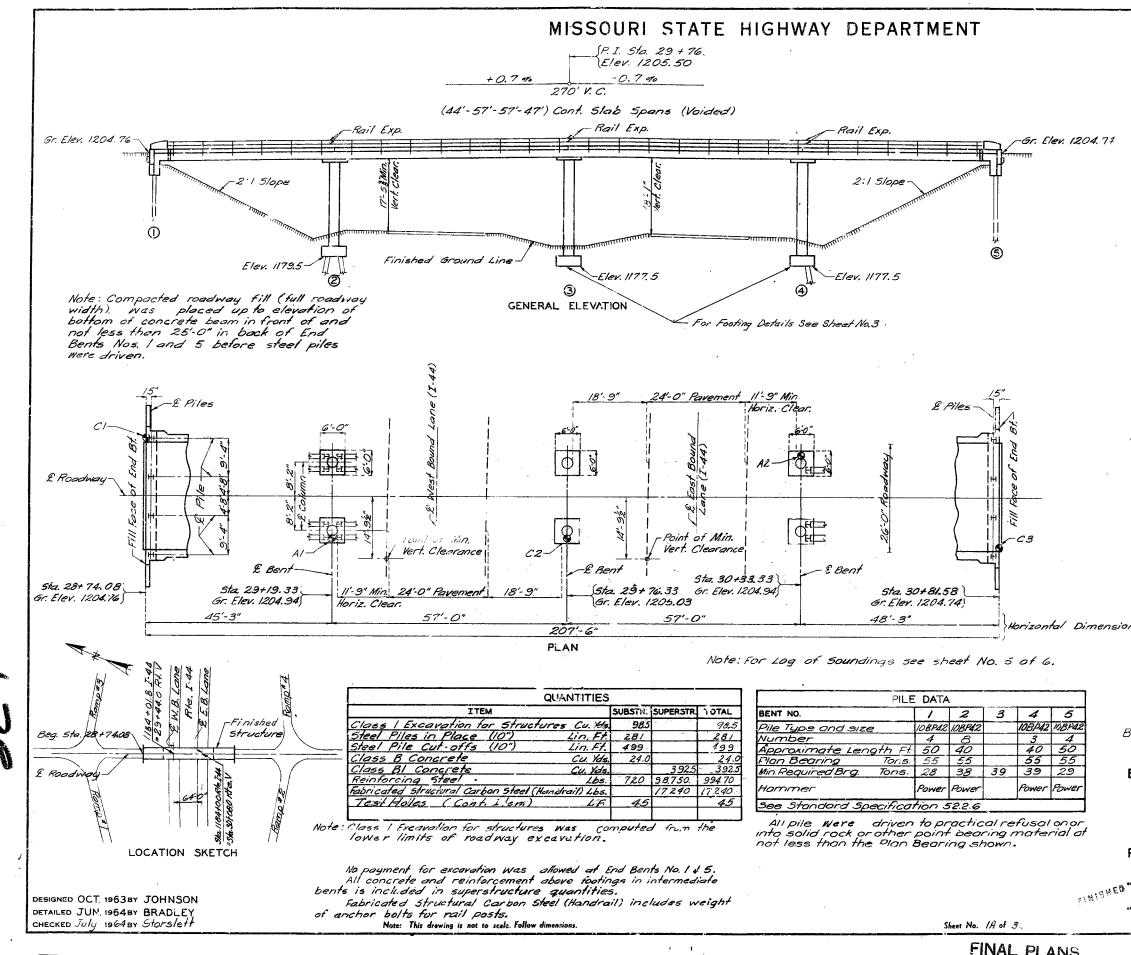


NO CONSTRUCTION CHANGES

7

. ...

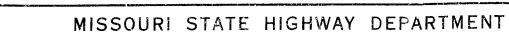




FINAL PLANS

			· .
ne fan de fa	FED ROAD STATE DIST. NO 5 MO.	PROJ NO 1	DCAL SHEET TUTAL EAR NO. SHEETS 19 57
GENERAL NOTES SPECIFICATIONS: Design Speci	<u>Circular</u>	4.4.5.4.0	·
DESIGN LOADING: H15-44 (15) Gurface)			1
, DESIGN UNIT STRESSES; Structural Steel(A) Reinforcing Steel St Concrete, Class B S Concrete, Class B S	ress 20,0 Tress 1,23	00 psi D0 psi	ss 20,000 p s i
Steel Pile CONCRETE: Superstructure co Substructure con	A.S.T.M. A ncrete is	936 - 62 . 1 Class L	The second second
SURFACE SEAL:			
Supersti ucture de: (See Special provision BAR COVER:	s)	•	
All dimensions to r bar except where clear concrete is indicated.	einforcing • distance	g steel from	are to ⊈ foce of
WELDING: See Standard Sp qualification of Weldir	ecificati ng opera	ion 55.3 tors.	3.13 for
FILLED JOINTS: Where Joint filler is it. conformsto Sta PAINT: Structural steel	ndard Sp	ecifica	ation 157.2.4.
cleaned and painted a the shap with the two is the field; all in a Specification 55.4.10.	remaining	coats	applied in
51075			
B. M. Elev. 1205.56 Don S.W. 16' Lt. Sta 28+15 (U.	Corner of SG.S. Data	Lt. Ear L m)	Bent *1
BRIDGE: ROUTE V UI STATE ROAD FROM ROUTE			
ABOUT 3.8 MILES N.E. OF R PROJECT NO. I-44-2 (48) (R	OLLA	F	INISHED
PHELPS	COUNT	Y	
E BURNITTED BY B. B. JUNKINS. DAT BY DOSE MAINTER DAT APPROVED BY M. J. Surville DAT	. 8/18/64 . 8/18/64	5 IN ISH	STD. 54.00
\sim		والمراجع والم	A-1296

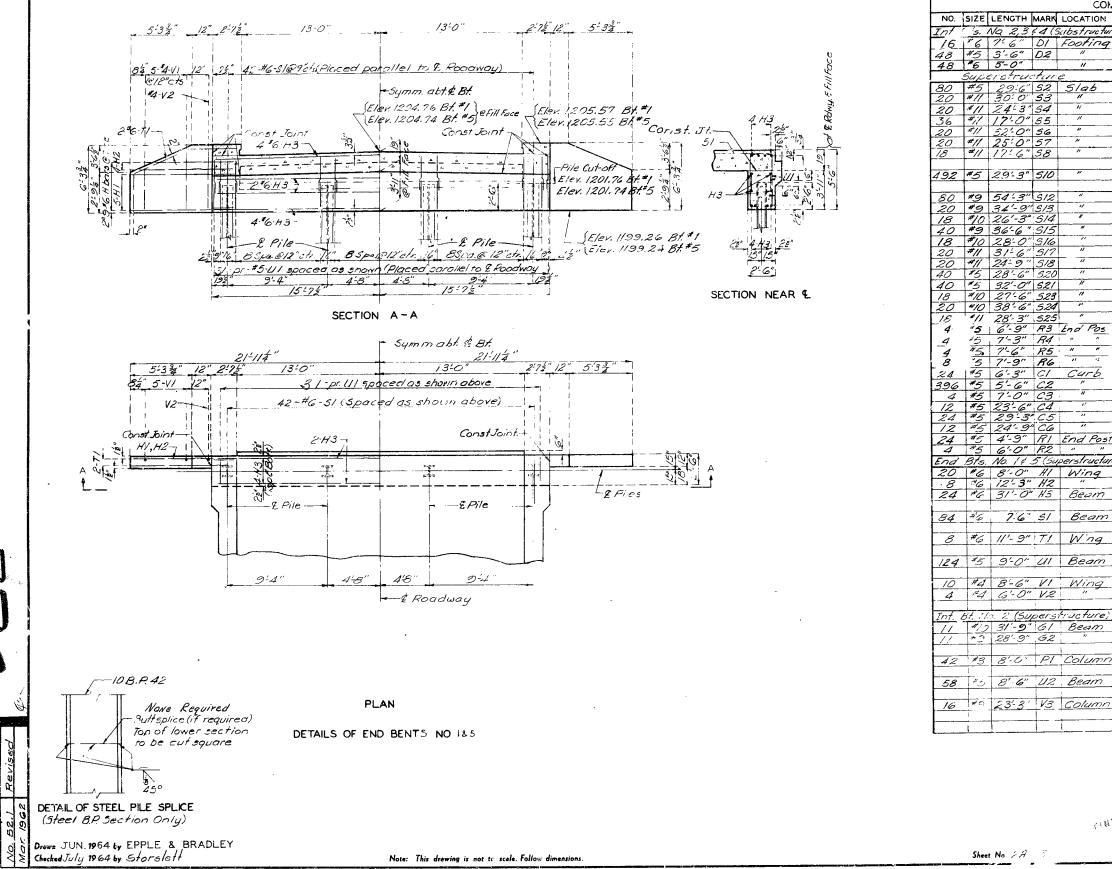
ι <u>τ</u>



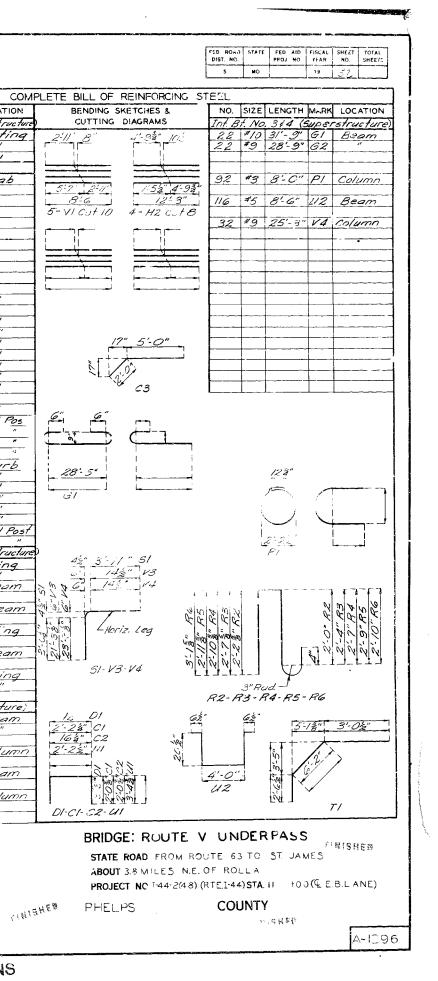
.

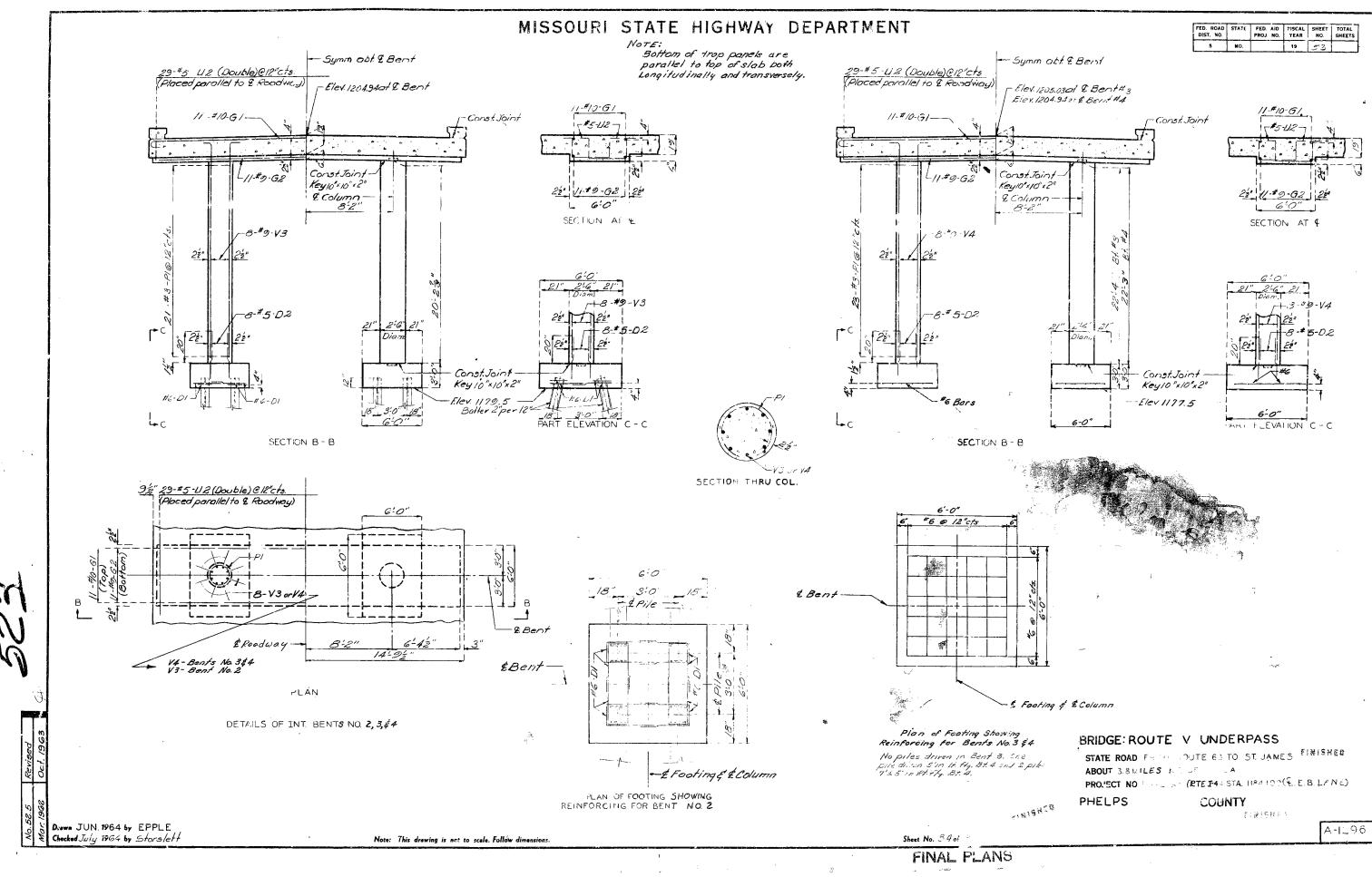
.

.



FINAL PLANS





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.			TOTAL
5	NO.		19	53	

BRIDGE: ROUTI	E V UNDERPASS
STATE ROAD Factor	· JOUTE 63 TO ST JAMES ^{- 新} 議修務管督
ABOUT 3.8 MILES	
PROJECT NO	
PHELPS	COUNTY
	종1월1일杜위 5

MoDOT	-			Department of T	-	
				Bridge Inspectio	-	
	COUNTY: PHELPS	DISTRICT: CD		S: STATBR	FED-ID: 1072	BRIDGE: A129
DOUTE	DEVE	***GENERAL STRUCT				***BR
ROUTE: FEATURE:		# SPANS: LANES ON:			CODE: 62912 ROLLA CITY NGTH: 208 FT 0 IN	DATE: 05/23/
STATUS:		LANES UNDER:			SPAN: 57 FT 0 IN	FREQUENCY: 24
LOG MILE:		COMPASS DIRECTION:		APPROACH ROAD		TEAM LEADER: JOE C INSPECTOR 2:
DETOUR:	17.00 MILES	DIRECTION OF TRAFFIC:	2-WAY TRAF	CURB TO C	CURB: 38 FT 10 IN	INSPECTOR 3:
NHS:		FUNCTIONAL CLASS:			OUT: 41 FT 6 IN	** When calculated interv
BUILT:		NBI OWNER:			AADT: 12506	G
REHAB:	1991 S 32 T 38 R 7 W	NBI MAINTAINED: MAINTENANCE DISTRICT:		AADT Y AADT TH	YEAR: 2022	
	37 58 45.9 (DMS)	MAINTENANCE DISTRICT: MAINTENANCE COUNTY:			AADT: 20010	
	91 43 9.66 (DMS)	SUB AREA:		FUTURE AADT		
	× ,					
	FRACTURE CRI	TICAL INSPECTION INFO	RMATION			***INDEPTH INSPECT
DATE:		SIBILITY:	CATEGORY:		DATE:	RESPONSIBILITY:
FREQUENCY:	CALCULATED INT		NBI:		FREQUENCY:	CALCULATED INTERVAL**:
TEAM LEADER:		ECTOR 3:	METHOD:		TEAM LEADER:	INSPECTOR 3:
INSPECTOR 2:	INSP	PECTOR 4:			INSPECTOR 2:	INSPECTOR 4:
** When calculated in	nterval exceeds the frequency, a justi	ification comment per BIRM is requi	red.		** When calculated interval exce	eeds the frequency, a justification comm
	FRACTURE C	RITICAL INSPECTION CON	IMENTS			INDEPTH INSPEC
	SPECIAL	INSPECTION INFORMATI	<u>ON</u>			***UNDERWATER INSPE
DATE:		SIBILITY:	CATEGORY:		DATE:	RESPONSIBILITY:
FREQUENCY:	CALCULATED INT		NBI:		FREQUENCY:	CALCULATED INTERVAL**:
TEAM LEADER: INSPECTOR 2:		ECTOR 3: ECTOR 4:	METHOD:		TEAM LEADER: INSPECTOR 2:	INSPECTOR 3: INSPECTOR 4:
** When calculated in	terval exceeds the frequency, a justi-	fication comment per BIRM is requir	red.		** When calculated interval exe	ceeds the frequency, a justification com
	SPECIA	L INSPECTION COMMENT	S			UNDERWATER INSP
<u>DATE</u> <u>FREQ</u>		R SPECIAL INSPECTIONS NBI CALCULATED INTERVA		METHOD	DATE FREQUENCY	OTHER UNDERWA CATEGORY <u>NBI</u> CAL

Page 1

September 01, 2023 10:24:02AM

296

BRIDGE INSPECTION INFORMATION*** **RESPONSIBILITY: DISTRICT** 23/2023 CALCULATED INTERVAL**: 24 GREEN ELEMENT: NO **INSPECTOR 4:**

erval exceeds the frequency, a justification comment per BIRM is required. **GENERAL INSPECTION COMMENTS**

TION INFORMATION***

CATEGORY: NBI: **METHOD:**

mment per BIRM is required.

ECTION COMMENTS

PECTION INFORMATION***

Y: * 3: 4:

CATEGORY: NBI: **METHOD:**

comment per BIRM is required.

SPECTION COMMENTS

VATER INSPECTIONS

ALCULATED INTERVAL RESPONSIBILITY

METHOD

MODOT		Ν	-	t of Transportation			September 01, 2023 10:24:02AM
			State Bridge Insp				
COUNTY: PHELPS	DISTRICT: CD		CLASS: STATBR		D: 1072	BRIDGE: A1296	
			STRU	CTURE POSTING			
APPROVED CATEGORY: S-1	NO POSTING REQUIRED		Τ) .				
Ton 1: COMMENTS:	Ton 2:		Ton 3:				
FIELD CATEGORY: S-1 Ton 1: COMMENTS:	NO POSTING REQUIRED Ton 2:		Ton 3:	PROBLEM:		PROBLEM DIRECTION:	
		*	***GENERAL COMM	ENTS/MAJOR RATED	TEMS***		
GENERAL COMMENTS: (BOWDEJ1, 08/21	/2008)(45'-57'-57'-48') CONT VOIDED						
[ITEM 58] DECK: 6- RATING : 05	SATISFACTORY CONDITION 5/18/2001	COMMENT	'S: (ZENTZA1, 09/07/2017)-	CRACKING, LEACHING, SC	CALING.		
[ITEM 59] SUPER: 6- RATING : 05	SATISFACTORY CONDITION 5/18/2001	COMMENT	'S: (RACKEM, 11/04/2011)	-CRACK, LEACH			
[ITEM 60] SUB: 6- RATING : 05	SATISFACTORY CONDITION 5/18/2001	COMMENT	' S: (ZENTZA1, 09/07/2017)-	CRACKING, DETERIORATI	ON, SPALLS, PA	TCHES.	
[ITEM 61] BANK/CHANNEL: N RATING: 05		COMMENT	'S:				
[ITEM 113] SCOUR: N RATING: 05 EVALUATION TYPE:	-NOT APPLIC NOT WATERW 5/18/2001	COMMENT	`S:				
[ITEM 71] WATERWAY ADEQUACY: N RATING: 05		COMMENT	'S:				
[ITEM 72] APPRRDWY ALIGNMENT: 8- RATING: 05		COMMENT	'S:				
		RAILING	CAND APPROACH PA	VEMENT COMPONEN	TS AND RAT	INGS	
[ITEM 36A] BRIDGE RAILING RATIN		I UIILII (O	RATING: 05/18/2001	COMMENTS:			
<u>MATERIAL</u> REINFORCED CONCRETE S	<u>Construction</u> Safety Barrier Curb	<u>DIRECTION</u> BOTH	<u>COMMENTS</u>				
[ITEM 36B] TRANSITION RAILING RATIN	G: MEETS CURRENT STANDARDS-1		RATING: 05/18/2001	COMMENTS:			
<u>MATERIAL</u> GALVANIZED STEEL T	<u>CONSTRUCTION</u> HRIE BEAM TO W-BEAM	<u>DIRECTION</u> ALL	<u>COMMENTS</u>				
[ITEM 36C] APPROACH RAILING RATIN	G: MEETS CURRENT STANDARDS-1		RATING: 05/18/2001	COMMENTS:			
<u>MATERIAL</u> GALVANIZED STEEL	<u>CONSTRUCTION</u> W-BEAM	<u>DIRECTION</u> ALL	<u>COMMENTS</u>				
[ITEM 36D] RAIL END TREATMENT RATIN	G: DOESNT MEET CURRNT STND-0		RATING : 11/30/2009	COMMENTS:			
Design_No = a1296				Page 2			

MODOT				Missouri Department	-				
				State Bridge Insp	ection Report				
	COUNTY: PHELPS		FRICT: CD	CLASS: STATBR		FED-ID:	1072	BRII	DGE: A12
	<u>'ERIAL</u> ZED STEEL	<u>CONSTRUCTION</u> BREKAWAY SYSTEM	<u>Directio</u> All	<u>DN</u> <u>COMMENTS</u>					
A	PPROACH PAVEMENT:	*Overall condition assigned	for each approach pavemen	net component is shown below.					
MAT	<u>'ERIAL</u>	CONSTRUCTION	DIRECTION	<u>CONDITION*</u>	<u>COMMENTS</u>				
ASP	HALT	BITUMINOUS MAT	BOTH	GOOD	(OTTINM, 11/06/2	2013)RUTT	ΓING		
		*	**DRAINAGE, EXPA	NSION DEVICES, BANK	/SLOPE, AND E	DECK PR	OTECTIVE CO	OMPONEN	TS***
<u>ECK PROTECTIVE</u> <u>SERIES TYPE-#</u>		IENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>		<u>KNESS</u>	<u>YEAR APPLIED</u>	<u>MANUFAC</u>	TIIDE
<u>SERIES TIPE-#</u> MAIN SERIES-1	WEARING SU		<u>MATERIAL</u> PLAIN CONCRETE	LOW SLUMP	<u> 11101</u>	<u>INESS</u>	<u>ILAK APPLIED</u>	<u>MANUFAC</u>	<u>I UKE</u>
<u>COMM</u>	<u>ENT:</u>								
	<u>CONDITION</u> IGITUDINAL CRACKS ANSVERSE CRACKS	<u>LOCATION</u> THROUGHO RANDOM	UT	<u>LOCATION 2</u>	<u>SEVERITY</u> FEW MANY	<u>CON</u>	<u>MMENT</u>		
	DECK PROT	TECTION	EPOXY POLYMER	COATED REBAR					
<u>COMM</u>		ECHON	EFOAT POLIMER	COATED REDAK					
	MEMBRA	ANE	NOTAPPLICABLE	NONE					
<u>COMM</u>	<u>ENT:</u>								
<u>COMM</u>	SECONDARY DECK <u>ENT:</u>	C PROTECTION	LIQUID SEALANT	INTERNALLY SEAL	ED		2012	STAR MAC	CRO
RAINAGE COMPO	NENTS:								
	<u>COMPON</u> DRAINA		<u>MATERIAL</u> EINFORCED CONCRETE	<u>Construction</u> Drain Basin-End B		<u>RECTION</u>	<u>COMMENTS</u>		
XPANSION DEVICE SUB UNIT-#	<u>E COMPONENTS:</u> SUB LABEL	COMPONENT	MATE	RIAL CO	NSTRUCTION		<u>GAP YEA</u>	R APPLIED	MANUFA
		<u> </u>		<u></u> <u></u>			<u></u> <u></u>		
<u>COMM</u>	<u>ENI:</u>								
ANK/SLOPE PROTE	ECTION COMPONENTS:		MATERIAI	CONCERNCE			COMMENTS		
	<u>COMPON</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>v DI</u>	<u>RECTION</u>	<u>COMMENTS</u>		
				***DECK	COMPONENTS	***			
SPAN TYPE-	# СОМР	PONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	N <u>COMM</u>	ENTS			
MAIN SPANS-			EINFORCED CONCRETE	CAST-IN-PLACE	-				
	<u>CONDITION</u>	LOCATION	<u>1</u>	LOCATION 2		MEASUREN	MENT <u>COMMI</u>	<u>ENT</u>	
	DELAMINATION GITUDINAL CRACKS	RANDOM DRIVING SURF	ACE		FEW MANY				
LOIN	PATCHES	DRIVING SURF			FEW				
	SCALING	THROUGHOU	ĴΤ		MINOR				
TRA	ANSVERSE CRACKS	DRIVING SURF	ACE		MANY				
Design_No = a1296									
1000000000000000000000000000000000000									

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

1296

OVERALL CONDITION FAIR

FACTURE

OVERALL CONDITION

				Department of Transport			
				Bridge Inspection Rep	ort		
COUNTY:	PHELPS	DISTRICT: CD	CLASS	: STATBR	FED-ID: 1072		BRIDGE: A12
<i>MAIN SPANS-2</i> <u>CONDITION</u> DELAMINATI DELAMINATI LONGITUDINAL C PATCHES SCALING TRANSVERSE CF	ON DRI ON RACKS DRI DRI T	<i>REINFORCED Co</i> <u>JOCATION 1</u> VING SURFACE RANDOM VING SURFACE VING SURFACE HROUGHOUT VING SURFACE	ONCRETE C LOCATION 2	CAST-IN-PLACE <u>SEVERITY</u> FEW FEW MANY FEW MINOR MANY	<u>MEASUREMENT</u>	<u>COMMENT</u>	
<i>MAIN SPANS-3</i> <u>CONDITION</u> LONGITUDINAL C PATCHES SCALING SPALLS TRANSVERSE CF	RACKS DRI DRI T	<i>REINFORCED CO</i> <u>OCATION 1</u> VING SURFACE VING SURFACE HROUGHOUT RANDOM VING SURFACE	ONCRETE <u>LOCATION 2</u>	CAST-IN-PLACE <u>SEVERITY</u> MANY FEW MINOR FEW MANY	<u>MEASUREMENT</u>	<u>COMMENT</u>	
<i>MAIN SPANS-4</i> <u>CONDITION</u> LONGITUDINAL C PATCHES SCALING SPALLS TRANSVERSE CF	RACKS DRI DRI T	<i>REINFORCED CO</i> COCATION 1 VING SURFACE VING SURFACE HROUGHOUT RANDOM VING SURFACE	ONCRETE <u>LOCATION 2</u>	CAST-IN-PLACE <u>SEVERITY</u> MANY FEW MINOR FEW MANY	<u>MEASUREMENT</u>	<u>COMMENT</u>	
			\$	UPERSTRUCTURE CON	IPONENTS		
<u>SERIES TYPE-#</u> MAIN SERIES-1 <u>SPAN</u>	<u>SPAN TYPE</u> CONTINUOUS SPAN <u>COMPOSITE INDICAT</u>		<u>AL</u> ONCRETE VEATHERING STEEL	<u>ONSTRUCTION</u> VOIDED SLAB COMMENTS	<u>LABEL</u>	<u>COMMENTS</u>	
MAIN SPANS-1 <u>CONDITION</u> DELAMINATIO RUST STAIN TRANSVERSE CR	DN S	45 FT 3 IN <u>LOCATION 1</u> RANDOM BOTTOM EDGE	NO <u>LOCATION 2</u>	<u>SEVERITY</u> FEW MANY MINOR	<u>MEASUREMENT</u>	<u>COMMENT</u>	
MAIN SPANS-2 <u>CONDITION</u> DELAMINATIO RUST STAIN TRANSVERSE CR VERTICAL CRA	DN S ACKS	57 FT 0 IN <u>AOCATION 1</u> RANDOM RANDOM EDGE TERMEDIATE BENT	NO <u>LOCATION 2</u>	<u>SEVERITY</u> FEW FEW MINOR MINOR	<u>MEASUREMENT</u>	<u>COMMENT</u>	
MAIN SPANS-3	-	57 FT 0 IN . <i>OCATION 1</i> TERMEDIATE BENT	NO <u>LOCATION 2</u>	<u>SEVERITY</u> MINOR	<u>MEASUREMENT</u>	<u>COMMENT</u>	

Design_No = a1296

Page 4 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 01, 2023 10:24:02AM

1296

			Missouri Departmen		-		
			State Bridge Ins	pection Re	-		
	TY: PHELPS	DISTRICT: CD	CLASS: STATBR		FED-ID:	: 1072	BRIDGE: A12
MAIN SPANS-4 <u>CONDI</u>		APOSITE 48 FT 3 IN LOCATION 1	NO <u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASURE</u>	MENT <u>COMMEN</u>	N <i>T</i>
DIAGONAL		ENDS	<u>LOCATION 2</u>	<u>Severiti</u> Minor	MEASUKE	<u>MENT COMME</u>	<u>v1</u>
Diricolul	entients	LINDO		MINOR			
			***SUBSTRUC	TURE CON	IPONENTS**	k	
SUBSTRUCTURE	<u>SKEW</u>	<u>LENGTH</u> <u>MATERIAL</u>	<u>CONSTRUCTION</u>	LABEL	<u>COMMENTS</u>		
ABUTMENT-1		41 FT 6 IN REINFORCED CONCRETE	INTEGRAL				
	<u>CONDITION</u>	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>COMPONENT</u>	MATERIAL	<u>CONSTRUCTION</u>				
BEAM CAP	CONDITION	REINFORCED CONCRETE	CAST-IN-PLACE		SEVEDITV	MEACUDEMENT	COMMENT
	<u>CONDITION</u>	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	DELAMINATION LEACHING	ENDS RANDOM			MINOR MINOR		
	VERTICAL CRACKS				FEW		
PILING	VERTICAL CRATCRE	STEEL	H-SHAPE		12.0		
	CONDITION	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	MEASUREMENT	COMMENT
TURNED BA		REINFORCED CONCRETE	CAST-IN-PLACE				
	<u>CONDITION</u>	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-2		REINFORCED CONCRETE	MULTIPLE COLUMN				
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>				
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-I				
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
H	IORIZONTAL CRACH				FINE		
	PATCHES	RANDOM			FEW MODER ATE		
	SCALING SPALLS	GROUND LINE GROUND LINE			MODERATE SMALL		
	VERTICAL CRACKS				FEW		
FOOTING	VERITCAL CRACK	REINFORCED CONCRETE	H-PILE		T E W		
1001110	CONDITION	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	MEASUREMENT	COMMENT
BENT-3		REINFORCED CONCRETE	MULTIPLE COLUMN				
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>				
COLUMN	CONDITION	REINFORCED CONCRETE	INTEGRAL CAST-I				
FOOTBLO	<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	CONDITION	REINFORCED CONCRETE	SPREAD		SEVEDITV	MEASUREMENT	COMMENT
	CONDITION	<u>LOCATION 1</u>	<u>LOCATION 2</u>		<u>SEVERITY</u>	MEASUKEMENT	<u>COMMENT</u>
BENT-4		REINFORCED CONCRETE	MULTIPLE COLUMN				
	CONDITION	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATEL	COMPONENT	MATERIAL	CONSTRUCTION		<u>SH</u> , <u>HITT</u>		0011112111
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-I	N-PLACE			
	<u>CONDITION</u>	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	SCALING	FRONT FACE			MINOR		
FOOTING		REINFORCED CONCRETE	H-PILE				
	<u>CONDITION</u>	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
			_				
ABUTMENT-5	CONDITION	41 FT 6 IN REINFORCED CONCRETE	INTEGRAL				000000
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>

Page 5 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 01, 2023 10:24:02AM

1296

MODOT			Missouri Department of Tr	-			
			State Bridge Inspection	-			
COUNTY: PHELPS		Г: СD	CLASS: STATBR	FED-1	D: 1072	BRIDGE	: A129
<u>ASSOCIATED COMPONENT</u> BEAM CAP <u>CONDITIC</u> DETERIORAT LEACHING VERTICAL CR	REINFORCED CO. DN LOCAT TION CAP F G RANE	<u>ION 1</u> ACE OOM	<u>CONSTRUCTION</u> CAST-IN-PLACE <u>LOCATION 2</u>	<u>SEVERITY</u> MINOR LIGHT MINOR	<u>MEASUREMENT</u>	<u>COMMENT</u>	
PILING <u>CONDITIC</u>			H-SHAPE <u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
TURNED BACK WINGS <u>CONDITIC</u>	REINFORCED CO DN LOCAT		CAST-IN-PLACE <u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
		*:	**OVER/UNDER ROUTES CLE	ARANCE INFO	RMATION***		
<u>CLEARANCES OVER DECK</u> <u>VERTICAL CLEARANCE TYPE**</u>	**NOTE: Vertical clearances for permitti <u>VALUE</u> <u>DIRECTION</u>		2 inches less than the actual field measured clearance <u>COMMENT</u>				
<u>CLEARANCES UNDER BRIDGE</u> RECORD # <u>ROUTE</u>		ng purposes are taken as N OF TRAFFIC	2 inches less than the actual field measured clearance <u>RIGHT LATERAL CLEARANCE</u>		AL CLEARANCE		UR-ID
1 IS 44 E <u>VERTICAL CLEARANCE TYPE**</u> ACTUAL		Y TRAF DATE	11 FT 7 IN <u>COMMENT</u>		FT 7 IN		<u>UR-ID</u> 2520
RECORD # ROUTE 2 IS 44 W	# LANES DIRECTION	N OF TRAFFIC Y TRAF	RIGHT LATERAL CLEARANCE 11 FT 7 IN		AL CLEARANCE FT 7 IN		UR-ID 2521
VERTICAL CLEARANCE TYPE** ACTUAL	VALUEDIRECTION16 FT 10 IN	<u>DATE</u>	<u>COMMENT</u>				
			STRUCTURE PAINT	INFORMATIO	N		
CONDITION:	RUST AMOUNT :		STEEL TO	NS : 0			
ORIGINAL PAINT		CONTR	RACT REPAINT			DEPART	MENT
PAINT TYPE : NAME :		PAINT TYPE : NAME : PAINT COLOR : PAINT YEAR :		PAINT CO PAINT Y	AME : LOR :		
PAINT COLOR : PAINT YEAR : MILS :		MILS :					
PAINT COLOR : PAINT YEAR :		MILS :					
PAINT COLOR : PAINT YEAR :		MILS :	***REQUESTED W				
PAINT COLOR : PAINT YEAR : MILS :		MILS :					

September 01, 2023 10:24:02AM

1296

<u>-ID</u> 20

-ID 21

NT REPAINT

MANUFACTURE : SURFACE PREP :

nshine Act before releasing any of the information contained herein.

MoDOT			Missouri Depa State Bridg	rtment of Tra ge Inspectior)n	
COUNTY	: PHELPS	DISTRICT: CD	CLASS: STA	TBR	F	ED-ID: 1072	BRIDGE: A12
RESPONSIBILITY DISTRICT SPECIAL DISTRICT ROUTINE DISTRICT SPECIAL	<i>LOCATION</i> ROADWAY SURFACE BOTTOM OF DECK	<i>ITEM</i> SEAL DECK WITH IN DECK REPAIR OVERHEAD HAZARD SEAL JTS - RODS/HOT POUR	<i>CATEGORY</i> DECK DECK DECK	PRIORITY 3 3 3	DATE 10/08/2013 05/20/2021 05/20/2021	<i>WORK ITEM COMME</i> (GREENA2, 05/20/2021	E NT 1)REMOVE LOOSE CONC
			***U	TILITY ATTA	CHMENTS	***	
UTILITY	OWNER	METHOD MEA	SUREMENT TYPE	VALUE	NUM	IBER UTILITY ATTA	ACHMENT COMMENT
			PROG	RAM NOTES	INFORMAT	`ION	
YEAR PROJECT #	MONTH LET YEAR L	<u>et</u> <u>ITEMS</u>				<u>COMMENT</u>	
***	COMPUTER GENER	ATED RATINGS AND DEFICI	ENCY ITEMS***				***ADVANCE
NOTE: The items listed in this sec	tion are updated whenever c	omputer edits are ran on a structure after t	he inspection updates h	ave been entered in	n to TMS.	SIGN #	SIGN TYPE
<u>Rated Item</u> [Item 67] Structure Evaluation Ra [Item 68] Deck Geometry Rating: [Item 69] Underclearance: Sufficiency Rating: Deficiency:	3-BASICALI 5-BETTER	<u>Rating</u> THAN MINIMUM Y INTOL CORRECT THAN MINIMUM 53.9% NCTIONAL	Rating Date 2/3/2017 3/14/2016 1/26/2022 1/26/2022 3/14/2016			1	
Funding Eligibility:		PARTIAL			F		***OUTFALL INS
Estimated New Structure Length: Estimated Structure Cost:		243 FT. 1,354,803			F	# OUTFALLS:	J
Estimated Total Project Cost:	\$	2,032,204				STATUS:	
Year of Cost Estimate:		2023				NOTES:	
generalized to use NBI items to com	e up with a new structure ler	nter generated using algorithims in the TM ngth and width to calculate a new area whi antly from these numbers once site specifi	ch is taken times a repr				

Page 7 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 01, 2023 10:24:02AM

296

NCRETE ABOVE DRIVING LANE SPAN 2

ED SIGN INFORMATION*** PROBLEM

PROBLEM DIRECTION

SPECTION INFORMATION***

INSPECTOR: DATE:

MODOT	-		Missouri Department of T	ransportation	
	1		State Bridge Inspectio	on Report	
	COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-ID: 1072	BRIDGE: A12

Page 8 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 01, 2023 10:24:02AM

1296



COUNTY: PHELPS BRIDGE: A1296 R	REVIEW STATUS : APPROVED NBI STATUS : T				
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023				
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION				
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.107227Year Built1964106Year Reconstructed199142AType of Service OnHIGHWAY21Structure MaintenanceSTATE HIGHWAY AGENCY22Structure OwnerSTATE HIGHWAY AGENCY33Br. Median CodeNO MEDIAN37Historical SignificanceNOT ELIGIBLE FOR NR OF HP101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY112NBIS Bridge LengthYES	5ARecord TypeROUTE CARRIED 'ON' STRUCT5BRoute Signing PrefixMO5CDesignated Level of ServiceMAINLINE5DRoute Number0000V5EDirectional SuffixNOT APPLICABLE7Facility CarriedRT V E12Base Hwy. NetworkNO13ALRS Inventory Route No.20Toll StatusON FREE ROAD26Functional Classification16-URBAN MINOR ARTERIAL28ALanes on Structure03100STRAHNET DesignationRTE NOT A DEFENSE HWY104National Highway SystemNOT APPLICABLE				
	110 Designated Nat. Network NO				
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION				
4PlaceROLLA CITYCode629129LocationS 32 T 38 N R 7 W11Milepoint0.11 miles16Latitude37 D 58 M 46 S17Longitude91 D 43 M 10 S	29AADT1250630AADT Year2022102Direction of Traffic2-WAY TRAFFIC109AADT Truck Percent10%114Future AADT20010115Future AADT Year2042				
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION				
6Features IntersectedIS 4442BType of Service UnderHIGHWAY28BLanes Under Structure0454AVert. Clearance Ref.HIGHWAY54BVert. Clearance16 Ft. 10 In.55ARt. Lat Clear Ref.HIGHWAY55BRt. Lat Clearance11 Ft. 6 In.56Left Lat Clearance11 Ft. 6 In.38Navigation ControlN/A39Nav Vertical Clear0 Ft. 0 In.40Nav Horizontal Clear0 Ft. 0 In.111Nav. Pier Protection116Nav. Cl. Vert. Clear	10Inventory Rte. Vert. Clear99 Ft. 99 In.19By pass Detour Length16.88 miles32Approach Roadway Width23 Ft. 11 In.34Skew0.00 Degrees35Struct. FlaredNO47Total Horiz. Clear40 Ft. 0 In.48Maximum Span Length57 Ft. 1 In.49Structure Length208 Ft. 0 In.50ALeft Curb/Sidewalk Width0 Ft. 8 In.50BRight Curb/Sidewalk Width0 Ft. 8 In.51Curb to Curb Br. Width38 Ft. 9 In.52Deck Width (Out-Out)41 Ft. 4 In.53Vert.Clearance Over Deck99 Ft. 99 In.				

Design_No = a1296

Page: 1



COUNTY :PHELPSBRIDGE :A1296 RRECORD TYPE :ROUTE CARRIED 'ON' STRUCT	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load H 15 41 Structure Status OPEN NO RESTRICTIONS 63 Oper. Rating Meth. ALLOWABLE STRESS 64 Operating Rating 48 Tons. 65 Inventory Rating Meth ALLOWABLE STRESS 66 Inventory Rating 25 Tons. 70 Bridge Posting Code =>LEGAL LOADS	43A Main Struc. Mat type CONCRETE CONTINUOUS 43B Main struc Constr. Type SLAB 45 # of Main Spans 4 44A Appr Struc. Mat type 000 44B Appr Struc. Cnstr. type 000 46 # of Approach Span 0 107 Deck Mat/Constr. 1 CONCRETE CIP 108A Wear Surf Mat/Constr. 4 LOW SLUMP
PROPOSED IMPROVEMENT INFORMATION	108B Membrane Mat/Constr. 0 NONE
Sufficiency Rating53.9PercentDeficiency RatingFUNCTIONALFunding EligibilityPARTIAL	108C Deck Protect Mat/Constr. 1 EPOXY CONDITION RATING INFORMATION
75A Proposed Work REHAB-GENERAL DETERIORAT	58 Deck Cond. Rating 6
75B Work Done By Contract	59 Superstructure Cond. Rating 6
76New Struc Length242 Ft. 9 In.	60 Substructure Cond. Rating 6
94 Struc Improve Cost \$ 1,355,000	61 Channel /Channel Protection Cond. Rating N
95 Roadway Improve Cost \$135,000	62 Culvert Cond. Rating N
96Total Project Cost\$ 2,032,00097Year of Cost Estimates2023	INSPECTION INFORMATION
	90 Gen. Insp Date 5 / 23
APPRAISAL RATING INFORMATION	91 Gen. Insp. Frequency 24 Months
36A Br. Rail App. Rating MEETS ACCEPTBLE STND	92A Frac. Critical Inspection N Months
36B Transition Rail App. Rating MEETS ACCEPTBLE STND	93A Frac. Critical Insp. Date
36C Approach Rail App. Rating MEETS ACCEPTBLE STND	92B Underwater Inspection N Months
36D Rail End Treat. App. Rating DOES NOT MEET ACCEPT STND	93B Underwater Insp. Date
67 Struc Eval App. Rating 5 68 Deck Geometry App. Rating 3	92C Special Inspection N Months 93C Special Inspection Date
68 Deck Geometry App. Rating 3 69 Underclearance App. Rating 5	
71 Waterway Adeq. App. Rating N	BORDER BRIDGE INFORMATION
72 Approach Road App. Rating 8	98 Neighboring State Code
113 Scour Assess App. Rating N	98B Neighboring State % Respon 99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-1	Field Posting Category S-1
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
NO POSTING REQUIRED	NO POSTING REQUIRED
Design_No = a1296	
Page:	2



COUNTY: PHELPS	BRIDGE : A1296 R FE THAT GOES 'UNDER' S	REVIEW STATUS : APPROVED NBI STATUS : T RUN DATE : 5/30/2023 SUBMITTAL YEAR : 20	023			
			.025			
GENERAL	STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION				
1State2District3County8Federal ID No.27Year Built106Year Reconstructed42AType of Service On21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc Desg103Temporary Structure112NBIS Bridge Length	MISSOURI CD PHELPS 1072 1964 0 HIGHWAY NONE EXISTS NOT TEMPORARY	SARecord TypeSBRoute Signing PrefixISSCDesignated Level of ServiceMAINLINESDRoute Number00044SEDirectional SuffixNOT APPLICABLE7Facility CarriedRT V E12Base Hwy. Network13ALRS Inventory Route No.13BSubroute No.20Toll StatusON FREE ROAD26Functional Classification11-UR PRNCPL ARTERIAL-IS28ALanes on Structure03100STRAHNET DesignationON A DEFENSE HWY104National Highway SystemON NHS	ode : A			
		105 Federal Lands Highway 110 Designated Nat. Network				
STRUCTUR	E LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION				
4 Place	ROLLA CITY	29 AADT 19008				
Code	62912	30 AADT Year 2022				
9 Location	S 32 T 38 N R 7 W	102 Direction of Traffic 1-WAY TRAFFIC				
11 Milepoint	190.85 miles	109 AADT Truck Percent 33%				
16 Latitude	37 D 58 M 46 S	114 Future AADT				
17 Longitude	91 D 43 M 10 S	115 Future AADT Year				
UNDER	RECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION				
6 Features Intersected	IS 44	10 Inventory Rte. Vert. Clear 17 Ft. 5 In.				
42B Type of Service Under	HIGHWAY	19 By pass Detour Length 0.00 miles				
28B Lanes Under Structure	02	32 Approach Roadway Width				
54A Vert. Clearance Ref.		34 Skew				
54B Vert. Clearance		35 Struct. Flared				
55A Rt. Lat Clear Ref.		47 Total Horiz. Clear 40 Ft. 0 In.				
55B Rt. Lat Clearance		48 Maximum Span Length 57 Ft. 1 In.				
56 Left Lat Clearance		49 Structure Length 208 Ft. 0 In.				
38 Navigation Control		50A Left Curb/Sidewalk Width				
39 Nav Vertical Clear		50B Right Curb/Sidewalk Width				
40 Nav Horizontal Clear		51 Curb to Curb Br. Width				
111 Nav. Pier Protection		52 Deck Width (Out-Out)				
116 Nav. Cl. Vert. Clear		53 Vert.Clearance Over Deck				

Design_No = a1296

Page: 1



COUNTY: PHELPS BRIDGE: A1296 R	REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load 41 Structure Status 63 Oper. Rating Meth. 64 Operating Rating 65 Inventory Rating Meth 66 Inventory Rating 70 Bridge Posting Code PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating Punding Eligibility	43A Main Struc. Mat type CONCRETE CONTINUOUS 43B Main struc Constr. Type SLAB 45 # of Main Spans 44A 44A Appr Struc. Mat type 44B 44B Appr Struc. Cnstr. type 46 46 # of Approach Span 107 107 Deck Mat/Constr. 108A 108B Membrane Mat/Constr. 108B 108C Deck Protect Mat/Constr. CONDITION RATING INFORMATION
75A Proposed Work 75B Work Done By	58 Deck Cond. Rating
76 New Struc Length	59 Superstructure Cond. Rating 60 Substructure Cond. Rating
94 Struc Improve Cost	61 Channel /Channel Protection Cond. Rating
95 Roadway Improve Cost	62 Culvert Cond. Rating
96 Total Project Cost	INSPECTION INFORMATION
97 Year of Cost Estimates	90 Gen. Insp Date
APPRAISAL RATING INFORMATION 36A Br. Rail App. Rating 36B Transition Rail App. Rating 36C Approach Rail App. Rating 36D Rail End Treat. App. Rating 67 Struc Eval App. Rating 68 Deck Geometry App. Rating	91Gen. Insp. Frequency92AFrac. Critical Inspection93AFrac. Critical Insp. Date92BUnderwater Inspection93BUnderwater Insp. Date92CSpecial Inspection93CSpecial Inspection Date
69 Underclearance App. Rating	BORDER BRIDGE INFORMATION
71 Waterway Adeq. App. Rating	98 Neighboring State Code
72 Approach Road App. Rating	98B Neighboring State % Respon
113 Scour Assess App. Rating	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category	Field Posting Category
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
Design_No = a1296	2



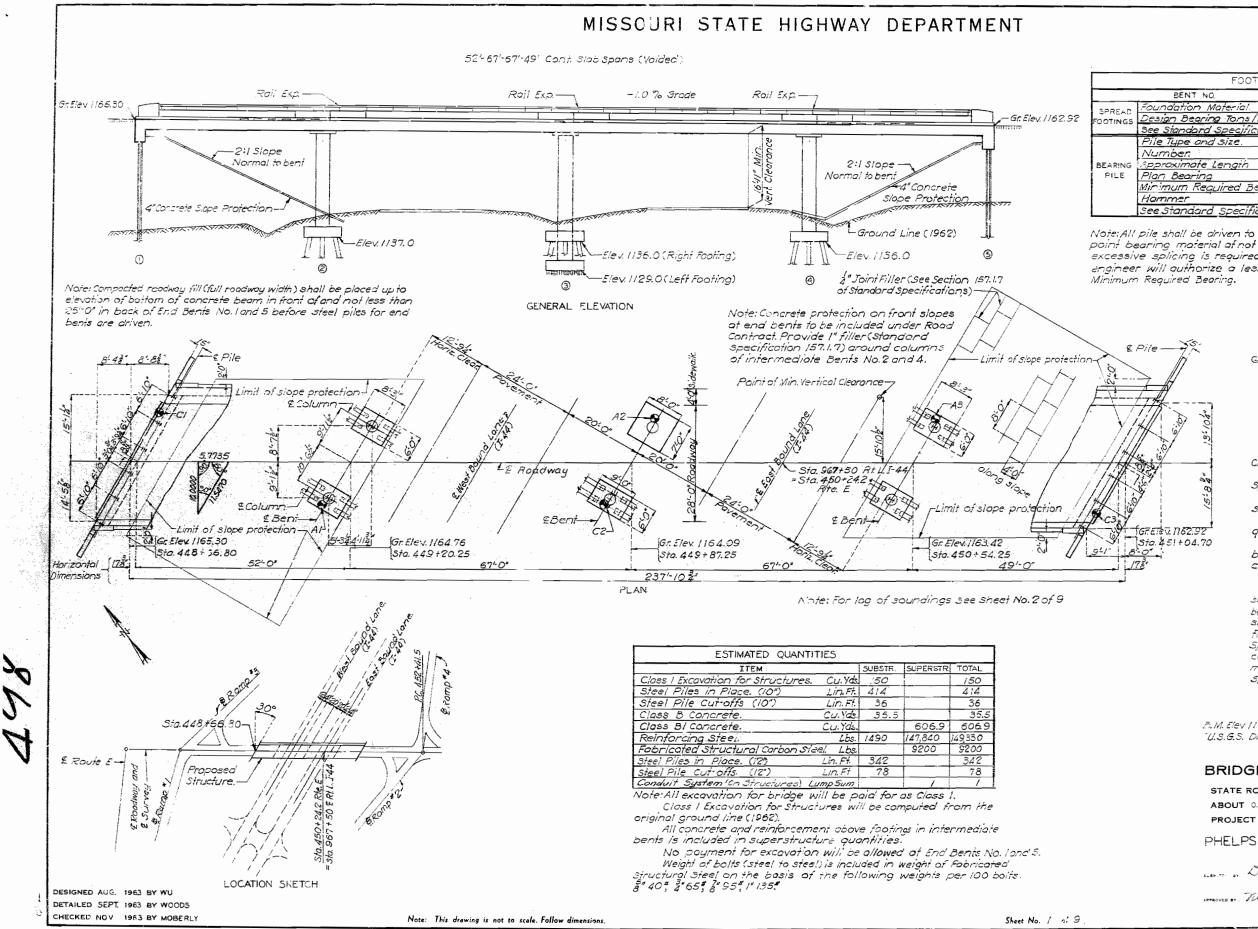
COUNTY:PHELPSBRIDGE:A1296 RRECORD TYPE:2ND RTE THAT GOES 'UNDR'S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023					
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION					
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.107227Year Built1964106Year Reconstructed042AType of Service OnHIGHWAY21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY	5ARecord Type2ND RTE THAT GOES 'UNDR'S Code : B5BRoute Signing PrefixIS5CDesignated Level of ServiceMAINLINE5DRoute Number000445EDirectional SuffixNOT APPLICABLE7Facility CarriedRT V E12Base Hwy. Network.13ALRS Inventory Route No.20Toll StatusON FREE ROAD26Functional Classification11-UR PRNCPL ARTERIAL-IS28ALanes on Structure03100STRAHNET DesignationON A DEFENSE HWY					
112 NBIS Bridge Length	104 National Highway System ON NHS 105 Federal Lands Highway					
	110 Designated Nat. Network YES					
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION					
4 Place ROLLA CITY	29 AADT 19049					
Code 62912	30 AADT Year 2022					
9 Location S 32 T 38 N R 7 W	102 Direction of Traffic 1-WAY TRAFFIC					
11 Milepoint 104.00 miles	109 AADT Truck Percent 35%					
16 Latitude 37 D 58 M 46 S	114 Future AADT					
17 Longitude 91 D 43 M 10 S	115 Future AADT Year					
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION					
6Features IntersectedIS 4442BType of Service UnderHIGHWAY28BLanes Under Structure0254AVert. Clearance Ref.54BVert. Clearance	10Inventory Rte. Vert. Clear16 Ft. 10 In.19By pass Detour Length0.00 miles32Approach Roadway Width34Skew35Struct. Flared					
55A Rt. Lat Clear Ref.	47 Total Horiz. Clear 40 Ft. 0 In.					
55B Rt. Lat Clearance	48 Maximum Span Length 57 Ft. 1 In.					
56 Left Lat Clearance 38 Navigation Control 39 Nav Vertical Clear 40 Nav Horizontal Clear 111 Nav. Pier Protection	49 Structure Length 208 Ft. 0 In. 50A Left Curb/Sidewalk Width 50B Right Curb/Sidewalk Width 51 Curb to Curb Br. Width 52 Deck Width (Out-Out)					
111 Nav. Pier Protection 116 Nav. Cl. Vert. Clear	53 Vert.Clearance Over Deck					

Design_No = a1296

Page: 1



COUNTY: PHELPS BRIDGE: A1296 R	REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load	43A Main Strue. Mat type CONCRETE CONTINUOUS
41 Structure Status	43B Main struc Constr. Type SLAB
63 Oper. Rating Meth.	45 # of Main Spans
64 Operating Rating	44A Appr Struc. Mat type
65 Inventory Rating Meth	44B Appr Struc. Cnstr. type
66 Inventory Rating	46 # of Approach Span
70 Bridge Posting Code	107 Deck Mat/Constr.
PROPOSED IMPROVEMENT INFORMATION	108A Wear Surf Mat/Constr.
Sufficiency Rating	108B Membrane Mat/Constr.
Deficiency Rating	108C Deck Protect Mat/Constr.
Funding Eligibility	CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating
75B Work Done By	59 Superstructure Cond. Rating
76 New Struc Length	60 Substructure Cond. Rating
94 Struc Improve Cost	61 Channel /Channel Protection Cond. Rating
95 Roadway Improve Cost	62 Culvert Cond. Rating
96 Total Project Cost	INSPECTION INFORMATION
97 Year of Cost Estimates	
APPRAISAL RATING INFORMATION	90 Gen. Insp Date 91 Gen. Insp. Frequency
36A Br. Rail App. Rating	91 Gen. Insp. Frequency 92A Frac. Critical Inspection
36B Transition Rail App. Rating	93A Frac. Critical Insp. Date
36C Approach Rail App. Rating	92B Underwater Inspection
36D Rail End Treat. App. Rating	93B Underwater Insp. Date
67 Struc Eval App. Rating	92C Special Inspection
68 Deck Geometry App. Rating	93C Special Inspection Date
69 Underclearance App. Rating	
71 Waterway Adeq. App. Rating	BORDER BRIDGE INFORMATION
72 Approach Road App. Rating	98 Neighboring State Code
113 Scour Assess App. Rating	98B Neighboring State % Respon 99 Neighboring State Struc. No.
	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category	Field Posting Category
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
Design_No = a1296	
Page:	2



Y

FED ROAD DIST. NO.		FED. AID PROJ NO.			
5	MO.		19	93	

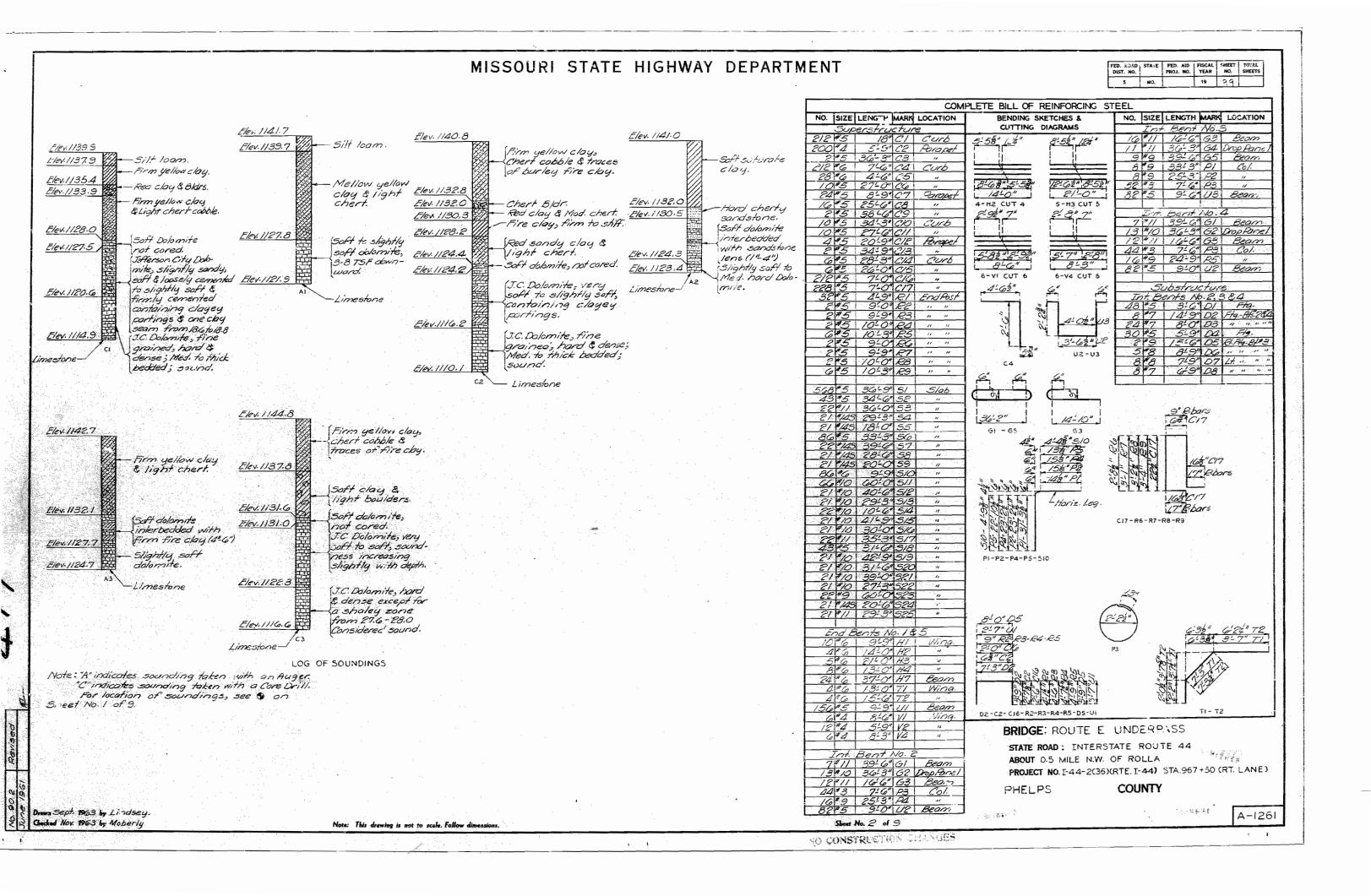
FOOTING AND P	PLE D	ATA				
NO.	,	2	3-LT FTG.	3-RTFTG.	4	5
n Material.			Rock			
aring Toms/sa. Ft.			5.0			
ard Specifications 50	.4.2					
and size.	10 8.942	12"8P53		12" 8P53	12'8P53	10°8742
3	6	10		6	10	6
te Length Ft.	40	15		20	15	35
ing Tons.	37	47		47	47	37
Required Bearing Tons.	33	47		41	47	32
	Power	Power		Power	Power	Power
ard specification 52	.2.6	·				

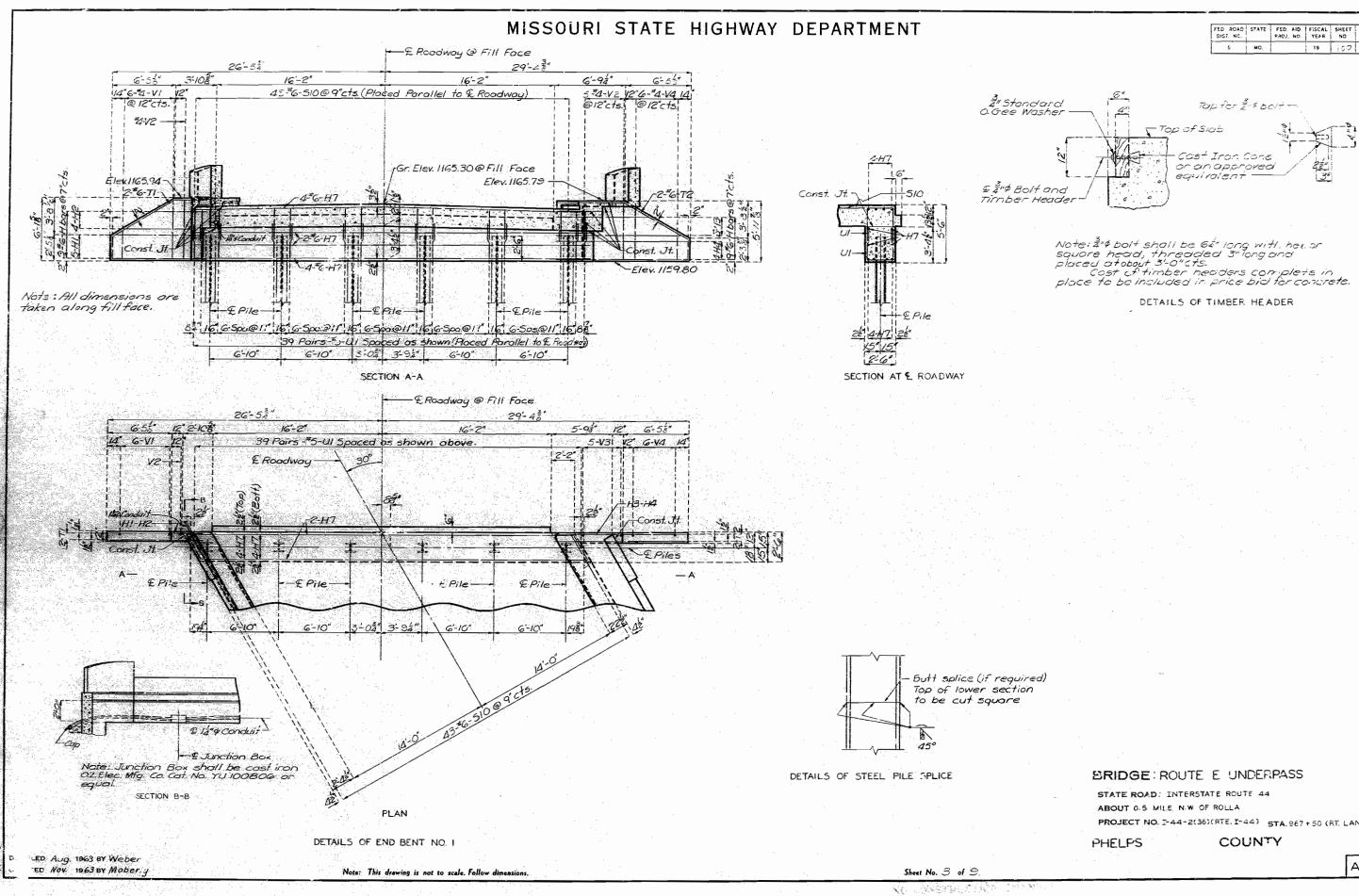
Note: All pile shall be driven to practical refusal on or into solid rock or other point bearing material at not less than the Plan Bearing shown, unless excessive splicing is required to obtain Plan Bearing, in which case the engineer will authorize a lesser bearing, but in no case less than the

> GENERAL NOTES: Design Specifications A.A.S.H.O.- 1961. Looding H20-44(15*/sq.ft.Future wearing surface) Structural Steel (A.S.T.M. A36-62T) Stress 20,000 psi. Reinforcing Steel Stress 20,000 psi. Concrete, Class & Stress 1,200 psi. Concrete, Class Bi Stress 1,500 psi. Superstructure Concrete shall be Class Bl. Substructure Concrete shall be class B or Class BI except payment will be on the basis of Class B. Superstructure deck to be surface sealed. (See Special Provisions), Where Joint filler is specified on the plans it shall conform to standard Specification 157.2.4. See Standard Specification 55.3.13 for qualification of welding operators. All dimensions to reinforcing steel are to £ bar except where clear distance from face of concrete is indicated. Steel oile shall be A.S.T.M. A-36-62T. Painting or Galvonizing: Structural Steet handrail shall be cleaned and painted in the field or may be cleaned and painted one coat of red lead in the shop with the two remaining coats applied in the field; all to be in accordance with Standord Specification 55.4.10. In lieu of painting the contractor may, if he prefers, galvanize this material in accordance with Stendard Specification 55.2.8. . C. M. Elev / / 30.89 Pon N. W. Cor. He'wl. Cutv. 30'14 Sta. \$60 +00(244) U.S.G.S. DATUM) BRIDGE: ROUTE E UNDERPASS STATE ROAD : INTERSTATE ROUTE 44 ABOUT 0.5 MILE N.W. OF ROLLA PROJECT NO.I-44-2(36) (RTE.I-44) STA. 967 + 50 (RT.LANE)

SURF.TT- av	DTD. Contractor	DATE 1./26-164	
APPROVED BY .	The fines mainter	DATE 1/14/44	STD. 5 4.00
	ENES ENGINEER	,	A-1261

COUNTY



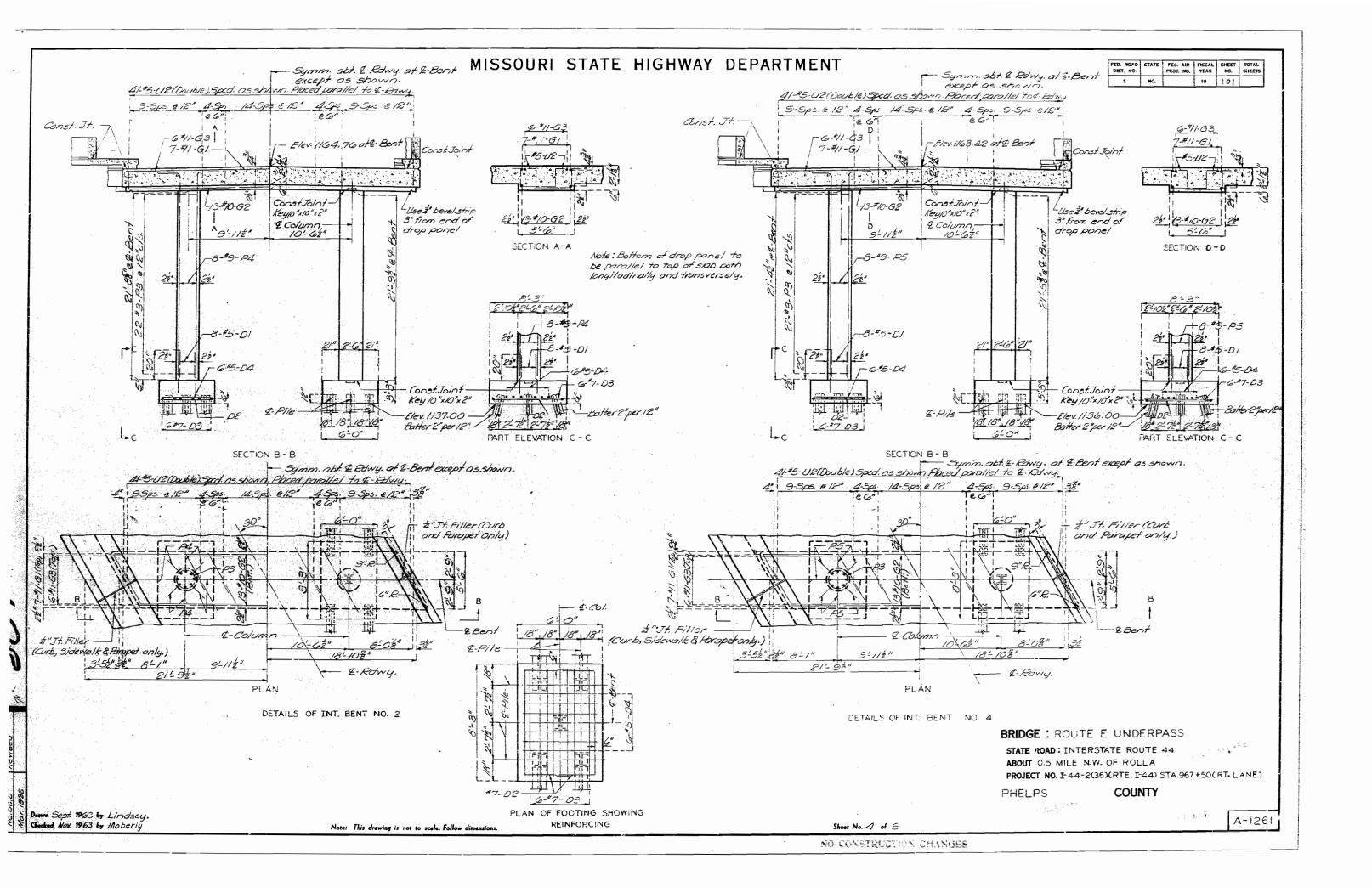


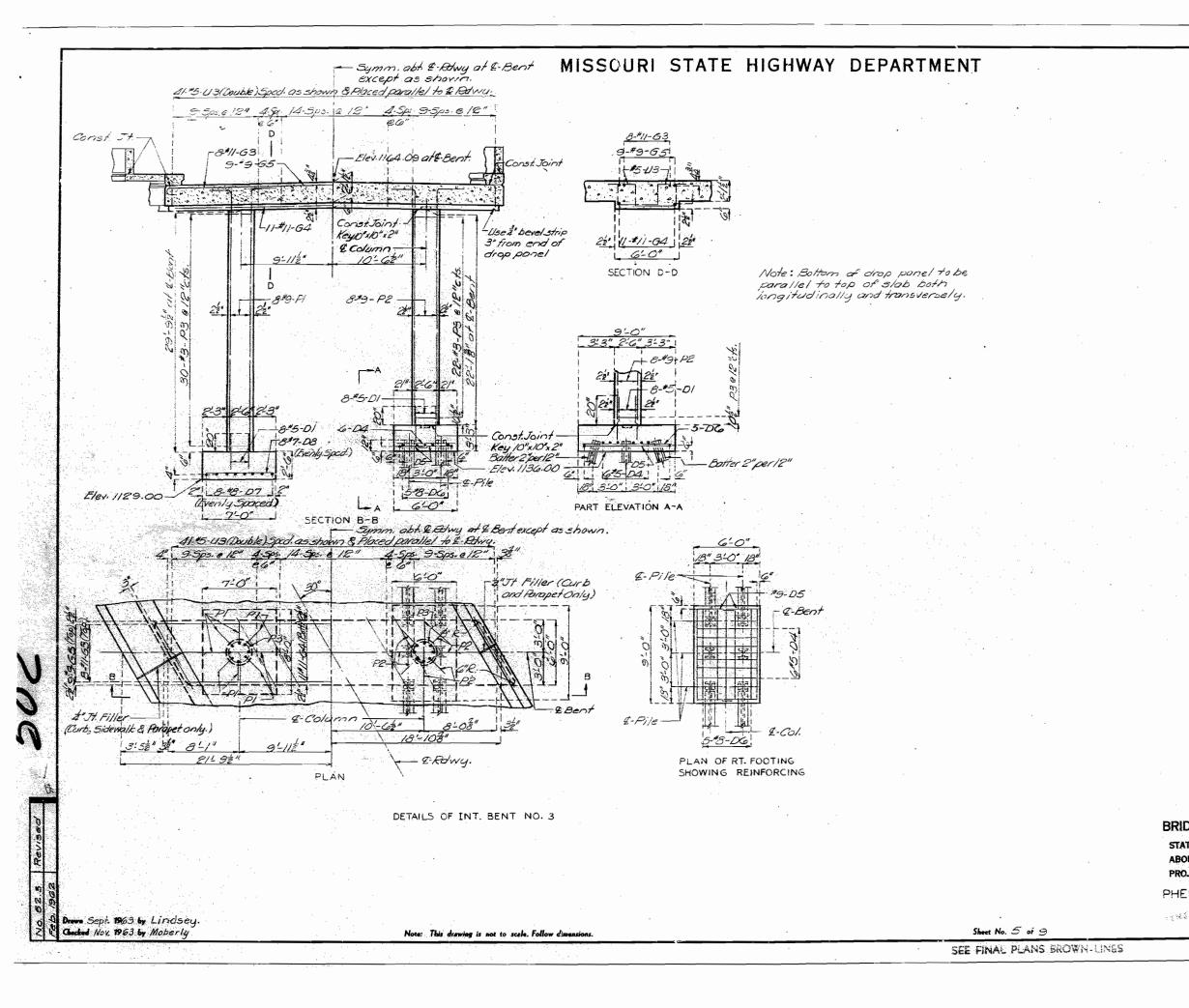
9

FED ROAD DIST. NC.		FED. AID PROJ. NO.			TOTAL SHEETS
5	HO.		19	150	

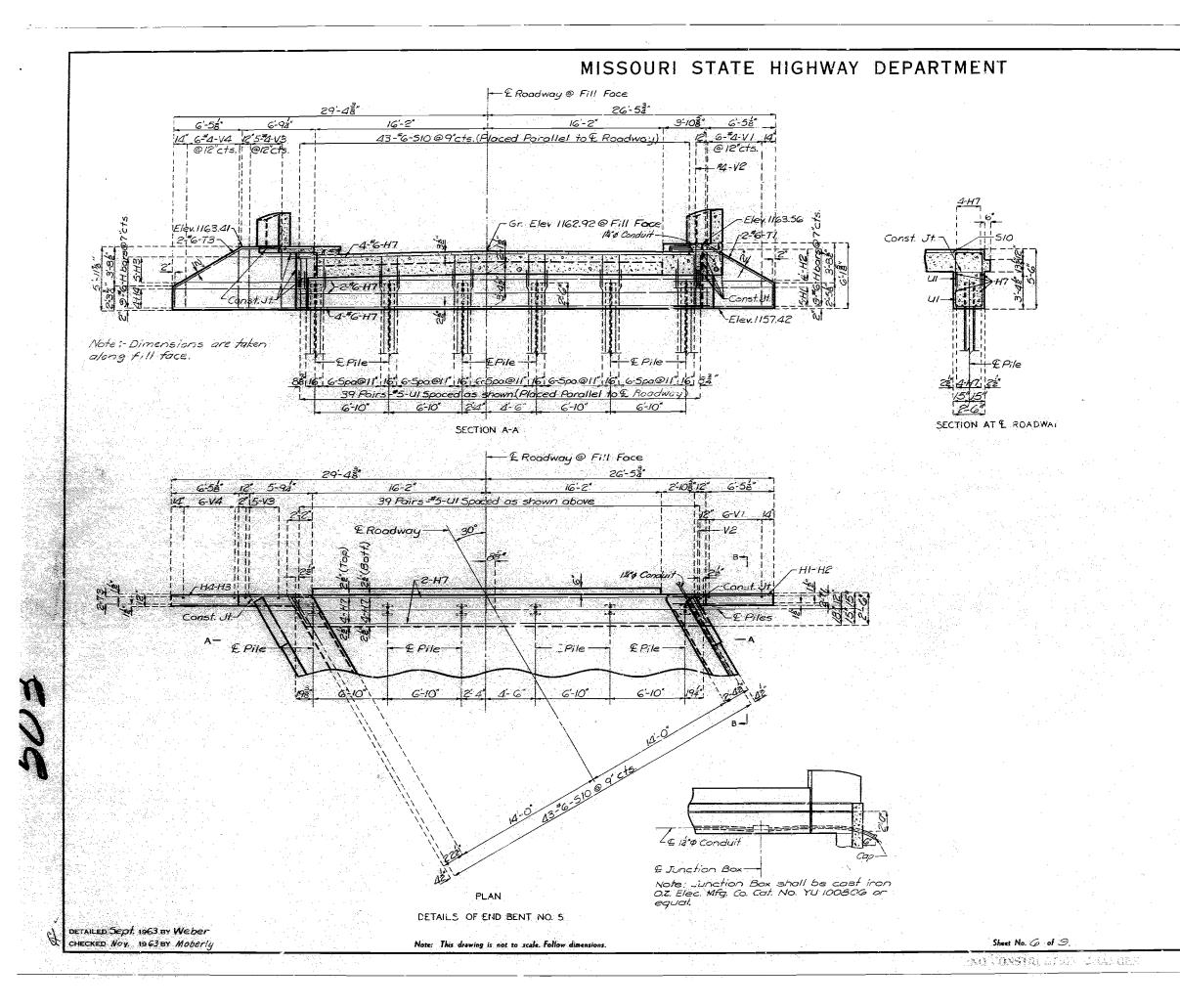
PROJECT NO. I-44-2(36)(RTE. I-44) STA. 967+50 (RT. LANE)

A-1261

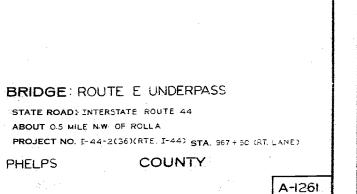


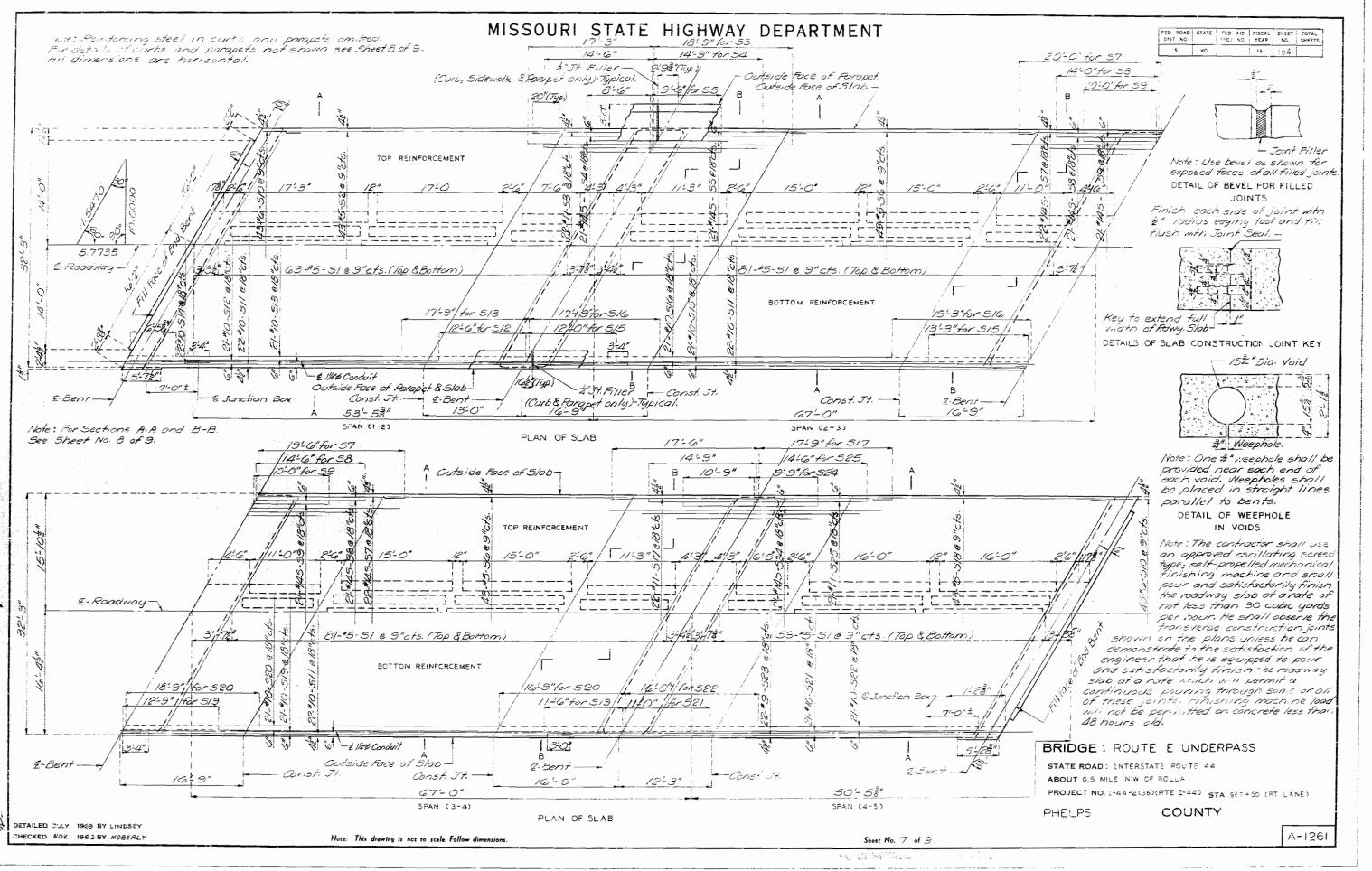


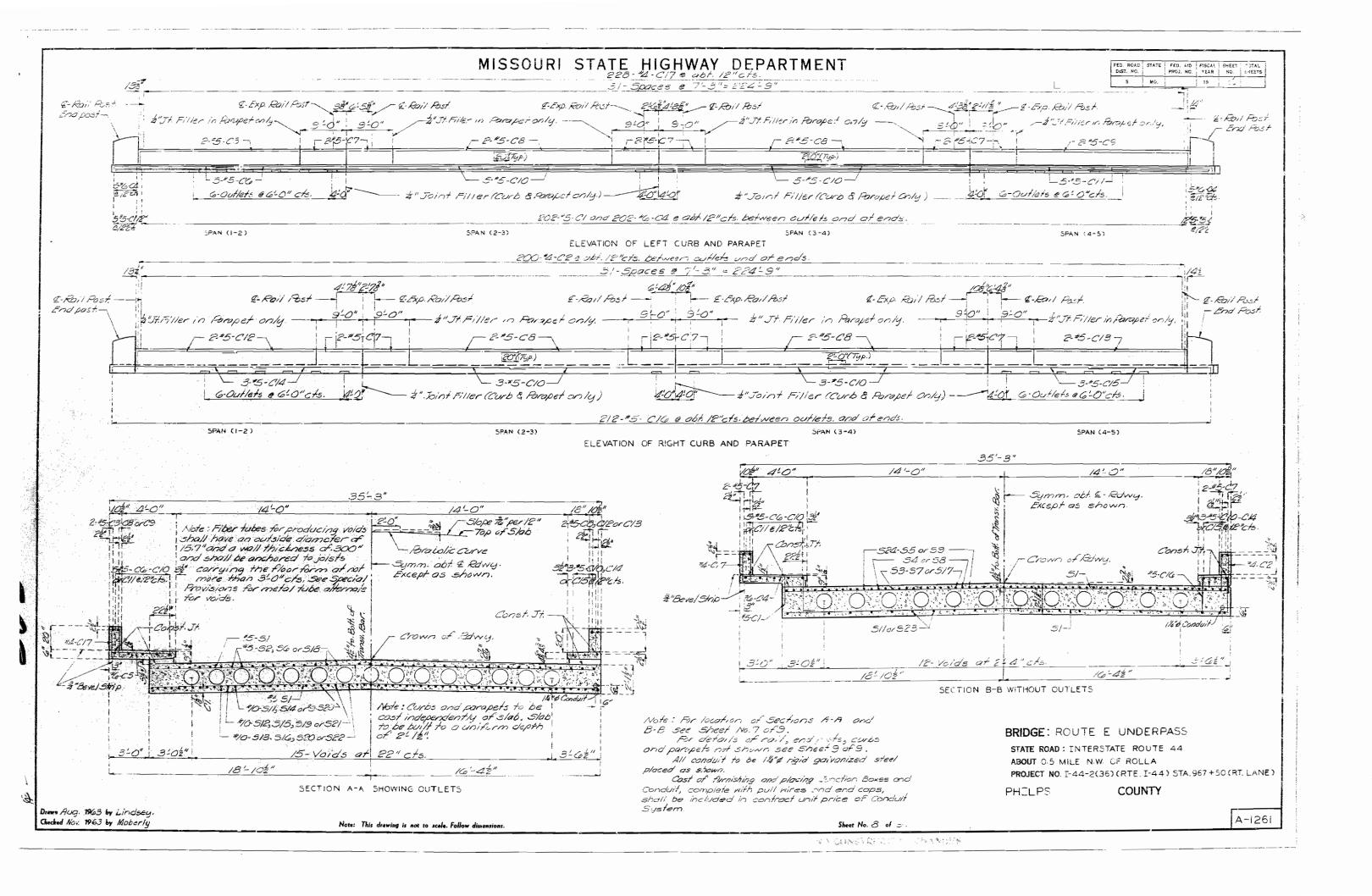
		_				_		
	FED. R 1	STATE	FED. AID	FISCAL	SHEET	TOTAL		
	D157. N-). 5	MO.	PROJ. NO.	YEAR 15	NO.	SHEETS	Í	
							Í	
					•			
							1	
							ľ	
				:			. [
						,		
						· · · . 2		·
								10 11 -
				'				
•				1 - 11 - N				
				·				,
								· · ·
			۰.					1
CEL DOUTE E	UND		ACC					2
DGE : ROUTE E						-		
TE ROAD: INTERSTA	OF R	OLLA	4					
JECT NO. 1-44-2(36)(RTE. F	44)	STA 96	7 ÷50	(RT.	LANE	,	
LPS	COUN	ŧΤΥ			•			
				г ,	1		_	
					14	1-12	SI	

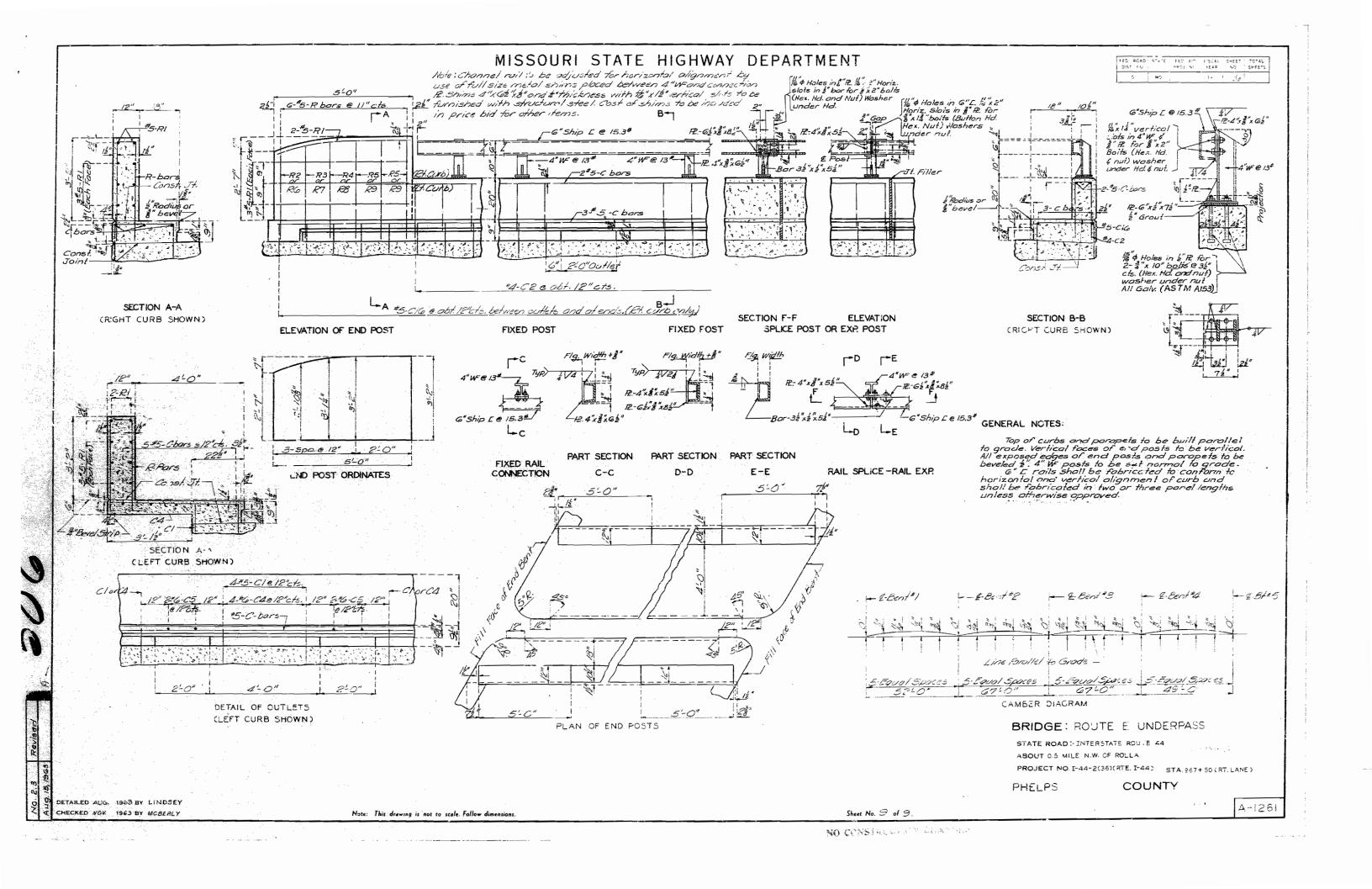


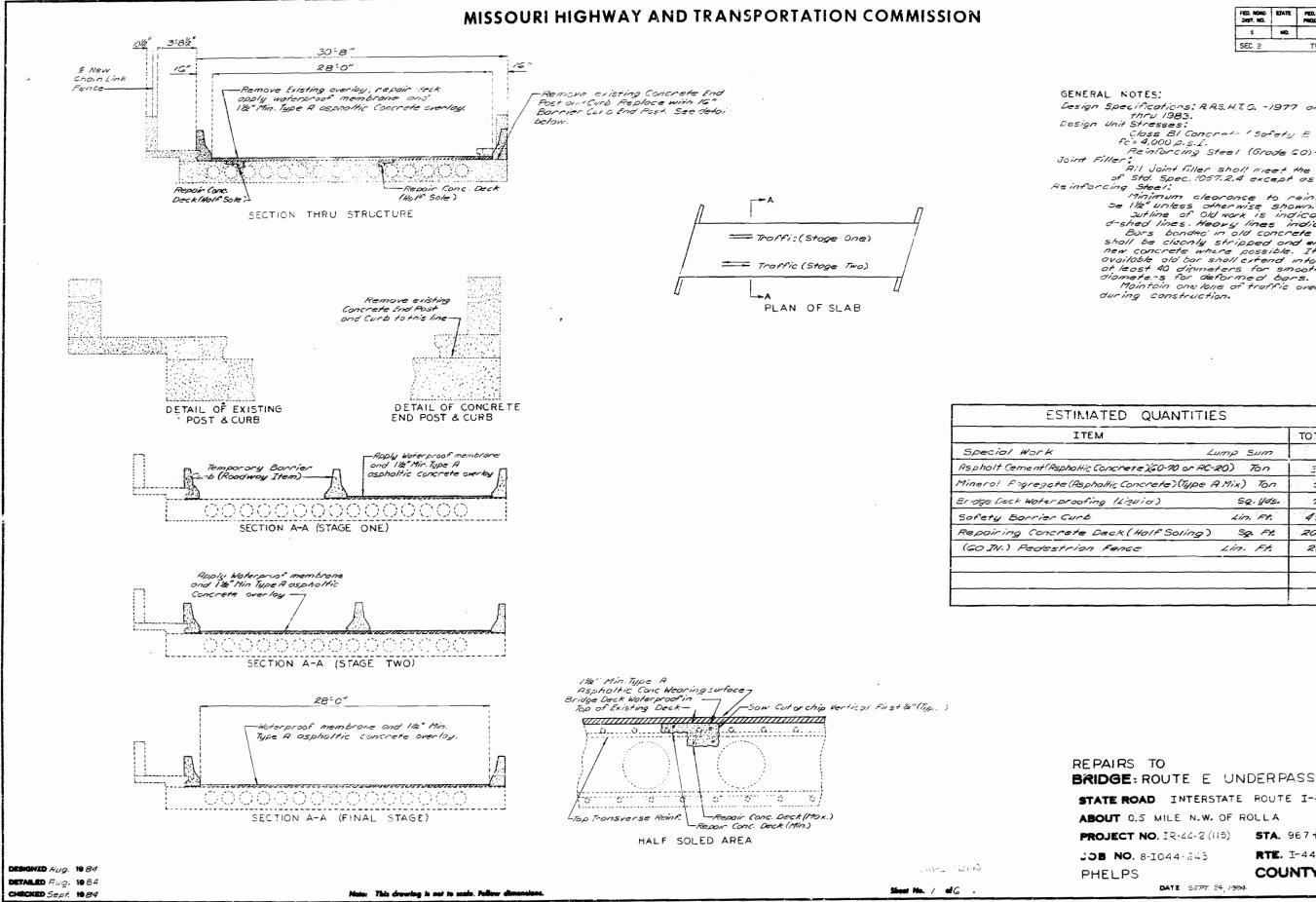
FED ROAD DIST. NO.		FED AID PROJ. NO.		SHEET NO.	TOTAL SHEETS
5	NO.		19	103	











FED. NOAD DIST. NO.	SJATE	PED. AND Phical. NO.	FEDERAL YEAR	SUMEET MO.	TOTAL SHEETS
5	110 .		19	7	
SEC. 2	TWP37N RGE.8W				

Design Specifications: R.A.S.H.T.O. - 1977 and Interims thru 1983.

fc=4,000 p.s.I. Reinforcing Steel (Grade GO)fy=60,000 p.s.I.

Joint Filler: Ail Joint filler shall meet the requirement of Std. Spec. 1057.2.4 except as noted.

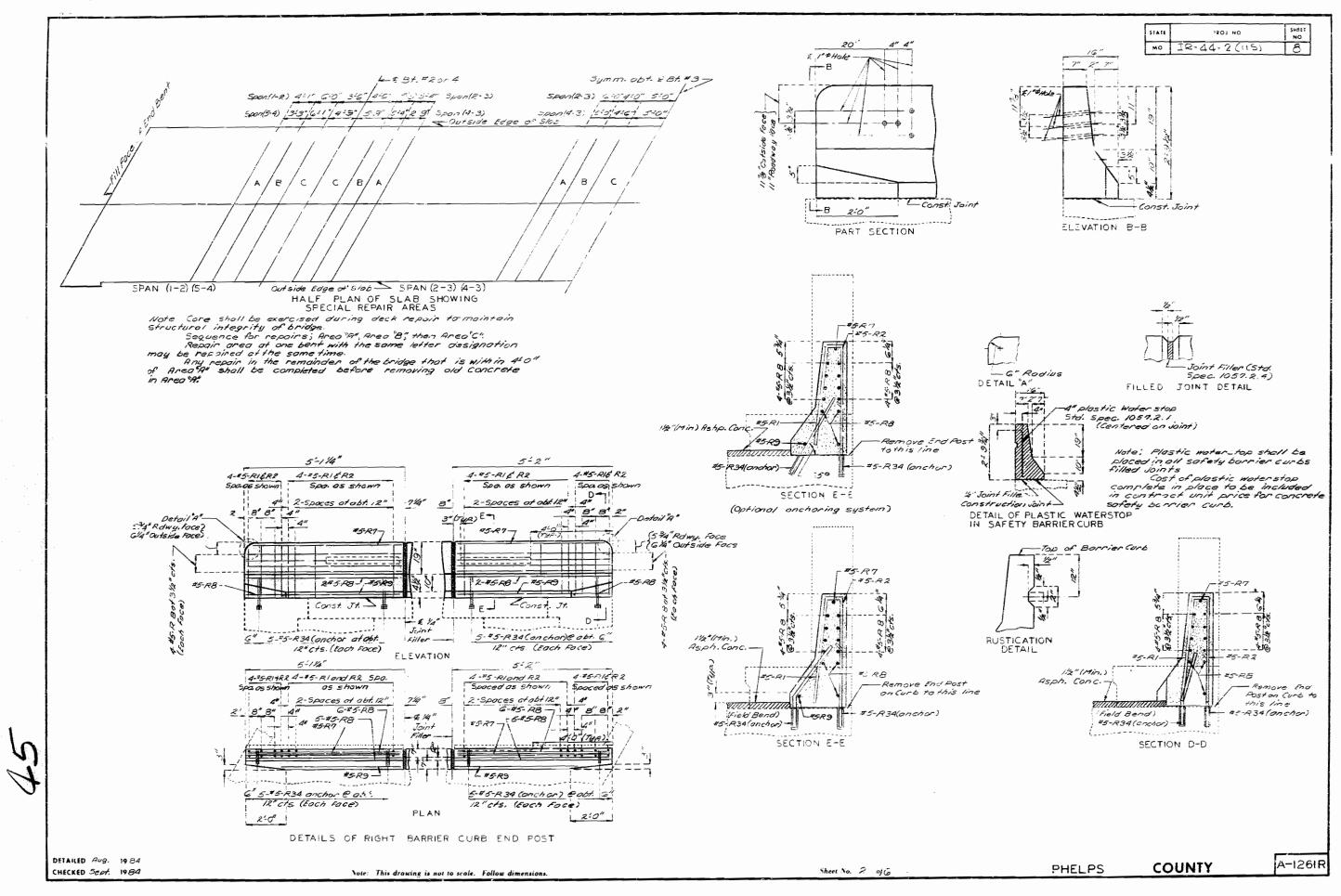
of Sto. Spec. 1007.2.4 except as noted. Reinforcing Steel Dinimum clearance to reinforcing steel shuil be 1/2" unless otherwise Shown. Jutline of Old work is indicated by light d-shed lines. Heavy lines indicate new work. Burs bonded in old concrete not removed shall be circula stringed and embedded into Burs bonded in old concrete not removed shall be cicconly stripped and embedded into new concrete where possible. If length is available old bar shall extend into new concrete of least 40 diameters for smooth bars and 30 diameters for deformed bars. Maintain one kane of traffic over structure during construction.

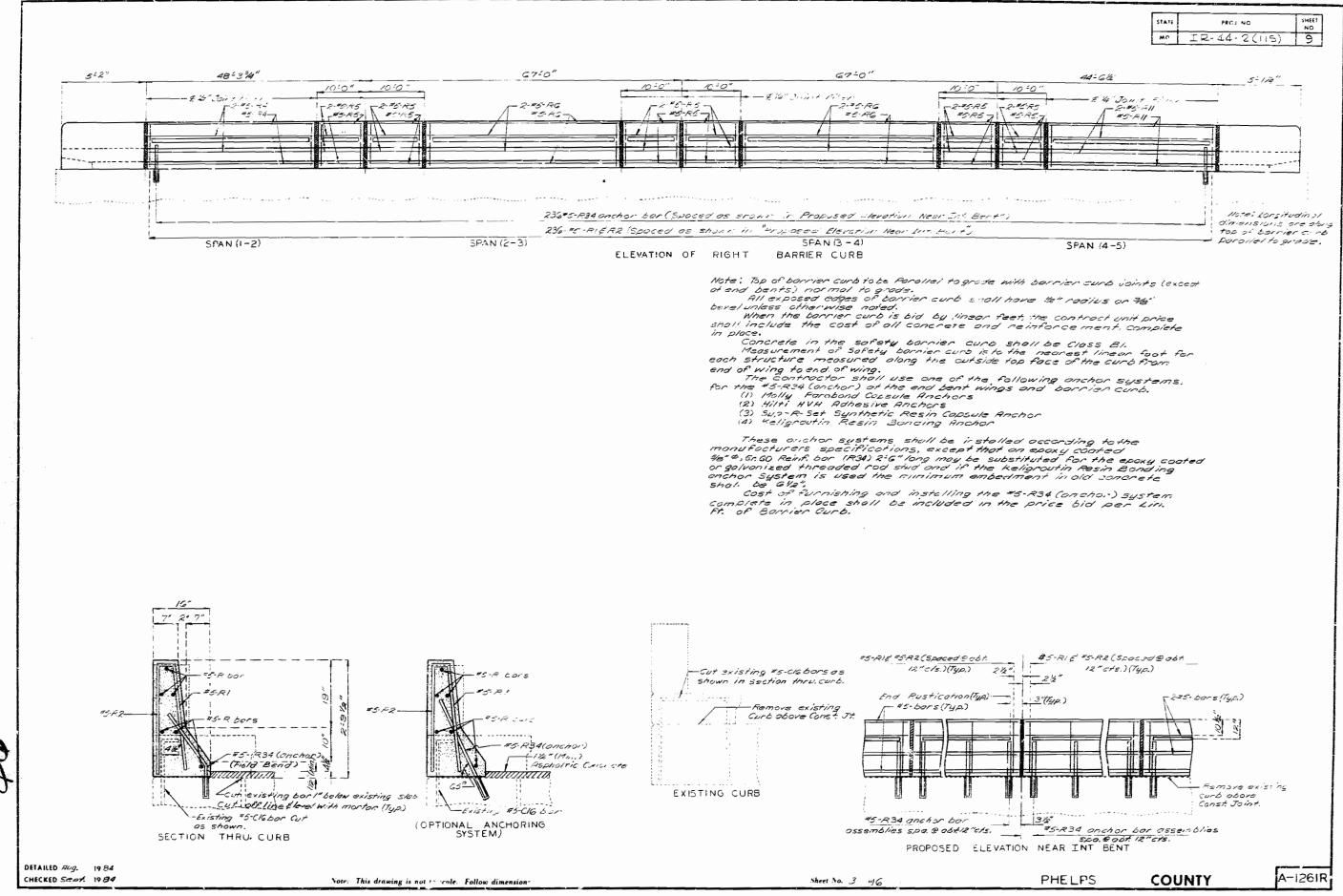
during construction.

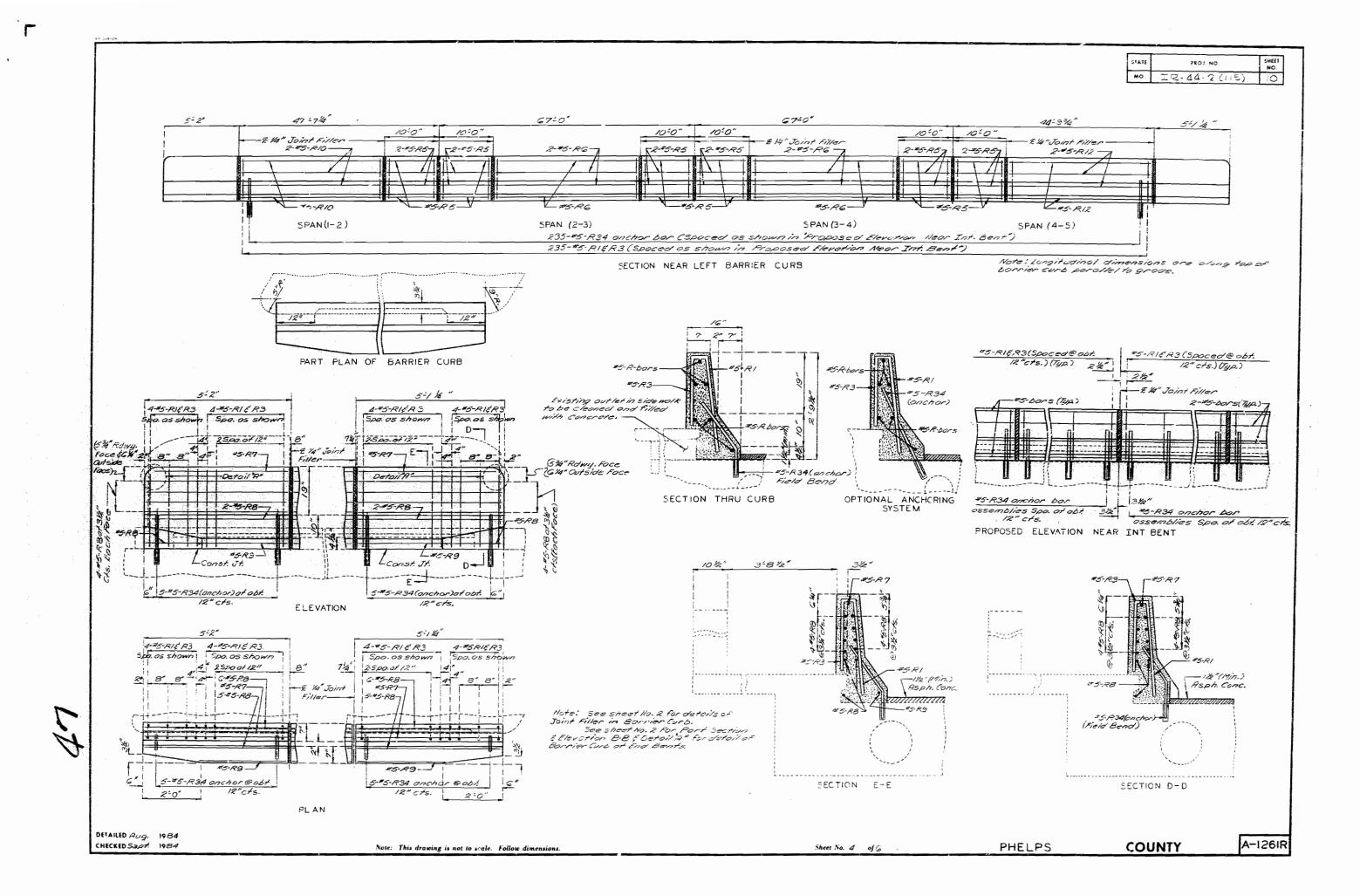
ESTIMATED QUANTITIES

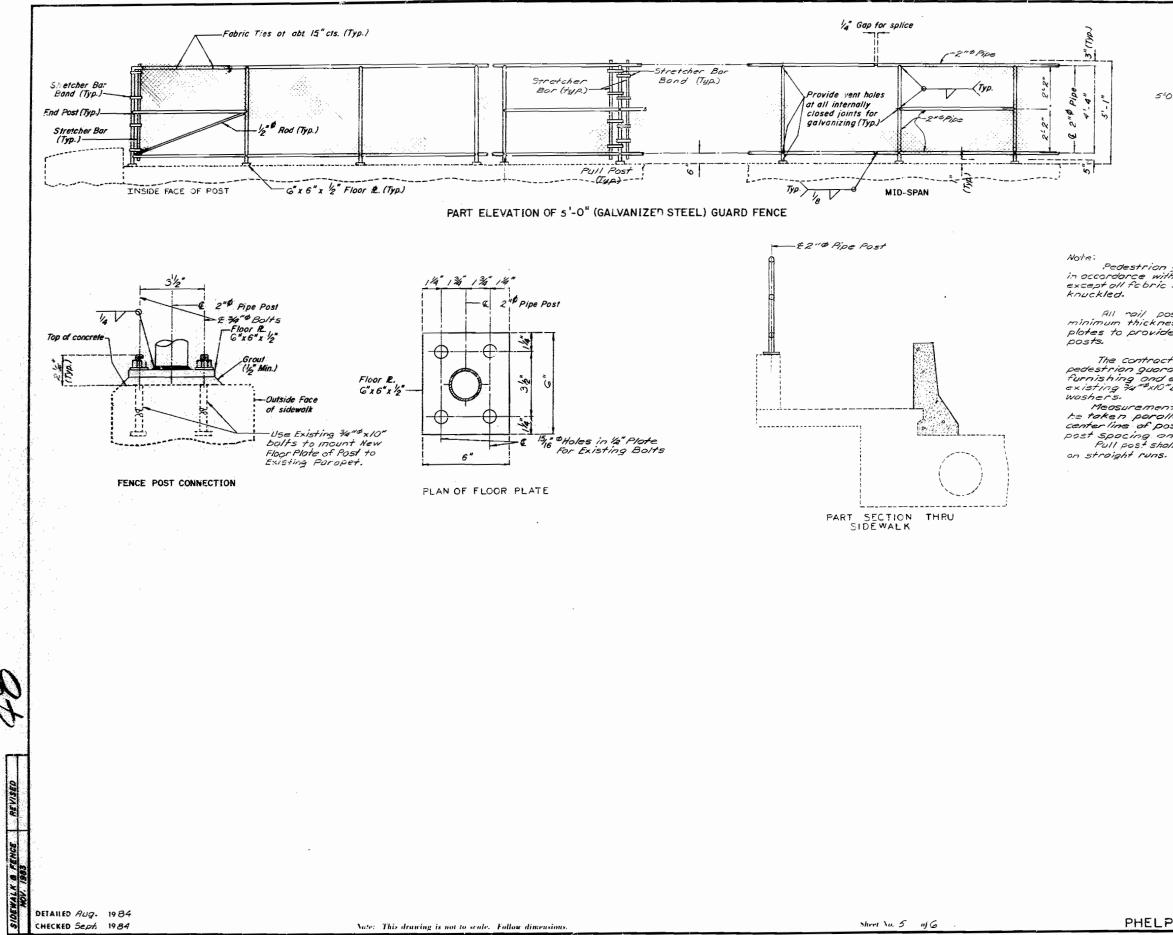
•	
	TOTAL
Lung Sum	1. 1. 1. 1.
rete (60-70 or AC-20) Ton	3.1
Concrete)(Type A Mix) Ton	58
Liquid) Sq. yds.	740
LID. Ft.	474
K (Holf Soling) Sq. Ft.	200
nce Lin. Ft.	225

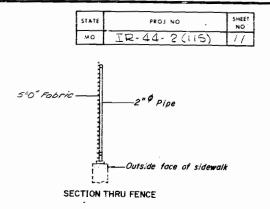
RS TO		
E:ROUTE E UN	DERPASS	
ROAD INTERSTATE	ROUTE 1-44	
0.5 MILE N.W. OF R	OLLA	
CT NO. IR-44-2 (115)	STA. 967 + 50 ±	
10 . 8-1044-243	RTE. 1-44	STD.
PS	COUNTY	STD.
DATE 5577.24,1984		A-1261R











Nore. Pedestrion guord fence(chain link type) shall be in occordorce with Section 1043 of the Std. Spec., except all fabric shall have top and bottom edges knuckled.

All rail posts shall be vertical. Grout of 1/2" minimum thickness shall be placed under floor plates to provide for vertical alignment of rail

The contract unit price per linear foot for pedestrian guard fence (galvanized) shall include furnishing and erecting the fence and from Complete. Use existing 34" x10" bolts in place, Use new hex nuts and washers.

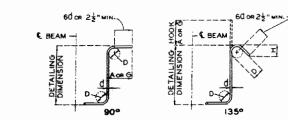
Mashers. Measurement of pedestrian guard fence shall he taken parallel to grade through the center line of posts. See Existing Left Parapet for post Spacing and No. of post. Pull post shall be used at approximately 100'0" centers a charle war

PHELPS

COUNTY

A-1261R

.



	GR/	DES 40-5	0-50 KSI		
BAR	D	90° HOOK	135°	ноок	
SIZE	(11.)	HOCH A GR G	HOOK A OR G	APPROX.	
#3	1-1/2 "	4"	4"	2-1/2	
#4	2."	4-1/2"	4-1/2"	3"	
#5	2-1/2"	6"	5-1/2"	3-3/4"	
#6	4-1/2"	8°	7"	4-1/2"	

DETAILING HOOK	
40 or 2 1 1000	80° 4
SIZE OF 180º HOOKS (GRADE 40 KSI)	SIZE OF 90° HOOKS(ALL GRADES)

D=6d FOR #3 THRU #8 D=8d FOR #9, #10 AND#11 D=10d FOR #14 AND #18 D=5d FOR #3 THRU # 11 D=10d FOR #14 AND # 18

176	GRA	DE 40	6RA	DE BU	ALLGRADES		
	AORG	J	A OR G	J	A OR G		
13	5"	2-3/4"	5*	3"	6"		
#4	6 [*]	3-1/2"	6"	4"	8"		
+ 5	7"	4-1/2"	7 ⁿ	5*	10*		
6	8*	5-1/4ª	8×	6"	12"		
7	9-	6-1/4"	7"	14"			
#8	10*	7"	11*	8"	16"		
¥9	12"	8"	15"	11-1/4"	19"		
ŧ 10	13"	9°	17"	12-3/4"	22"		
F 11	14"	10*	19"	14-1/4*	21-0"		
14	21-2"	20-1/2*	21-2"	20-1/2"	21-7"		
	IZE + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11	A or 6 4 6" 5 7" 6 8" 7 9" 88 10" 9 12" 10 13" 11 14"	A or G J A or G J *3 5" $2-3/4"$ *4 6" $3-1/2"$ *5 7" $4-1/2"$ *6 8" $5-1/4"$ *7 9" $6-1/4"$ *7 9" $6-1/4"$ *8 10" 7" *8 10" 9" *11 14" 10"	IZE Or G J A or G $A \circ r G$ J A or G 3 5^{*} $2 - 3/4^{*}$ 5^{*} 4.4 6^{*} $3 - 1/2^{*}$ 6^{*} $r \circ S$ 7^{*} $4 - 1/2^{*}$ 6^{*} $r \circ S$ 7^{*} $4 - 1/2^{*}$ 7^{*} $r \circ S$ 7^{*} $4 - 1/2^{*}$ 7^{*} $r \circ S$ 7^{*} $6 - 1/4^{*}$ 10^{*} $r \circ S$ 10^{*} 7^{*} 11^{*} $r \circ S$ 10^{*} 8^{*} 15^{*} $r \circ S$ 12^{*} 8^{*} 15^{*} $r \circ S$ 10^{*} 10^{*} 19^{*}	A or G J A or G J 4.3 5^{n} $2-3/4^{n}$ 5^{n} 3^{n} 4.4 6^{n} $3-1/2^{n}$ 6^{n} 4^{n} 4.4 6^{n} $3-1/2^{n}$ 6^{n} 4^{n} 5.5 7^{n} $4-1/2^{n}$ 6^{n} 4^{n} 5.5 7^{n} $4-1/2^{n}$ 8^{n} 6^{n} 7.7 9^{n} $6-1/4^{n}$ 10^{n} 7^{n} 8.8 10^{n} 7^{n} 11^{n} 8^{n} 9.12^{n} 8^{n} 15^{n} $11-1/4^{n}$ 8.9 12^{n} 8^{n} 15^{n} $11-1/4^{n}$ 9.0 12^{n} 8^{n} 15^{n} $11-1/4^{n}$ 10.1 14^{n} 10^{n} 19^{n} $14-1/4^{n}$		

END HOOK DIMENSIONS

180° HOOKS

SPADE 60

C D 4 0 C 4 4

90° HOOKS

NOTES:

BAR

$$\begin{split} \mathcal{WO}^+ \mathcal{E}_{S}^* : \\ \text{ALL } \in \text{MOARD HODKS AND BENDS OTHER THAN 180 DEG. TO BE BENT WITH SAME PROCLAME. AS FOR 90 DEG. STD. HODKS. HODKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET.$$
= E POXY COATED REINFORCEMENT.= = FORMP.= = FORMP.= = BAR 15 INCLUDED IN SUBSTRUCTURE QUANTITIES.= = FORMP.= FORMP.=

Γ	COMPLETE BILL OF REINFORCING STEEL																				
6	MARK		5	0	10	E	į		Ì		_			D	MEN	SION	s		_		-
REQD.	_	LOCATION		SHAPE NO.	e De	2		, S	F	B	Γ	c		D	E			F		н	
ġ	SIZE MARK		0d	SHAP	STIR		ХĦЛ	ç	FT.		FT.		FT.	1.51		- 11			┢		
Ê		BARR IER CURB	Ē		ľ	ľ	ľ	É	Ľ		F 1.	174.	–	1 11.	FT.	, N.,	FT.	111.	FT.	IN.	FT.
\vdash			+	╞	╀	╀	+	╀	+		┞		┢				<u> </u>				
50 25	_	BARRIER CURB		15 19			Ļ	F	2	7.375		3.590	<u> </u>						2	7.250	-
25	1 5R3	CARR IER CURB	-	15		_	╀	+-	1°	7.250	-	3-500	-				┣─		┢──		<u> </u>
	5 5R4	BARR JER CURB	_	20	-	t	ļ		38	0.000											
7	1	BARRIER CURB		20 20		$\left \right $	╞	Ĺ	9	9.000	<u> </u>		<u> </u>				<u> </u>		Ŀ_		
_	5R7	BARR IFR CURB		20		t	t	1	4	7.000	-						<u> </u>		┣		
-		SARR IER CURE		20		T	t		-	10-000						_					
<u> </u>	589 5810	BARR IER CURB		20 20		ŀ			2	4.000	<u> </u>		<u> </u>								
	5R11	BARRIER CURB	-	20	-	┞	ł	╀─	34	3.000	\vdash		\vdash						┣		<u> </u>
	5812	BARR TER CURB	£	20	Ŀ	t	t	È	34	6.000		_					-				
⊢					₋	Ł	L	L			L										
\vdash	+	END OF BAR LIST		┝	+	┞	┞	┢	\vdash		-		\vdash				-				
			t			L	t												_		<u> </u>
			L			L			L						_						
⊢–			┢	.	$\left \right $	╞	┞	.	{−		<u> </u>		_				-				
						ŀ	t												_		-
						Ē	L	L.		_	_										_
\vdash			+		\vdash	┡	-		-												
├			t			t	┢	⊢													
																		_			
┣	-		$\left \right $	\vdash	Η	\vdash	\vdash	ŀ	┣									-+			
\vdash	+		H		Η			\vdash										-		-+	
																			_		_
┝_	┟╴╶┥		Н	•	Н				<u> </u>												_
⊢			Η			H	H		⊢												
			П																		
<u> </u>	\vdash		Н		Н	Ц	Ц														
\vdash	+		Η		Η	-		-	-							-					
]		Н	-																	
-	+ - +	· · · · · ·	Η		4	-	-	•						_		\rightarrow	_				
_						-		-													
	\vdash T				-																
-	-		Η	-			-							-+		-+				-+	
	\vdash		1	_	4	4	-					_									
-			+	-i	+	+	+							_		-		-+	_		
				Í			1		_		_								_		
	$+$ \top		1	ļ	1	4	1	_													
	+		+	+	+	+	+	+		\rightarrow				\rightarrow		\rightarrow		-+			
			+			1	1		_												
			Ţ	-	Ţ	T	Ţ		_							\neg					
	\vdash		-+	+			+	+				-+		-+		+				-+	
			1		1	t	+		_												
			Τ			1															

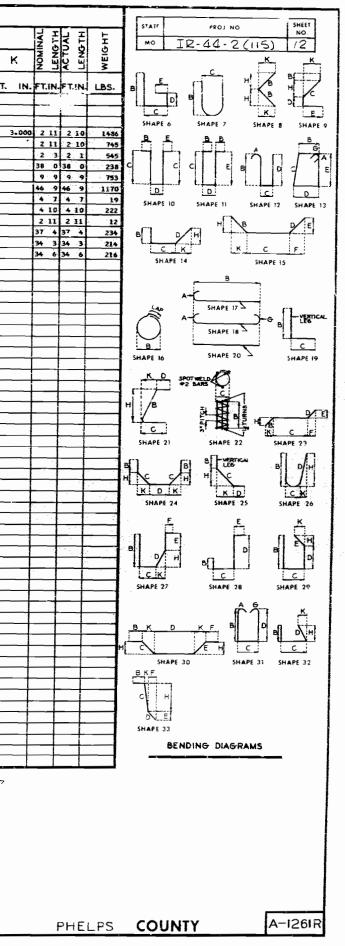
Two Additional #5-R5 are included in cor Bill for testing.

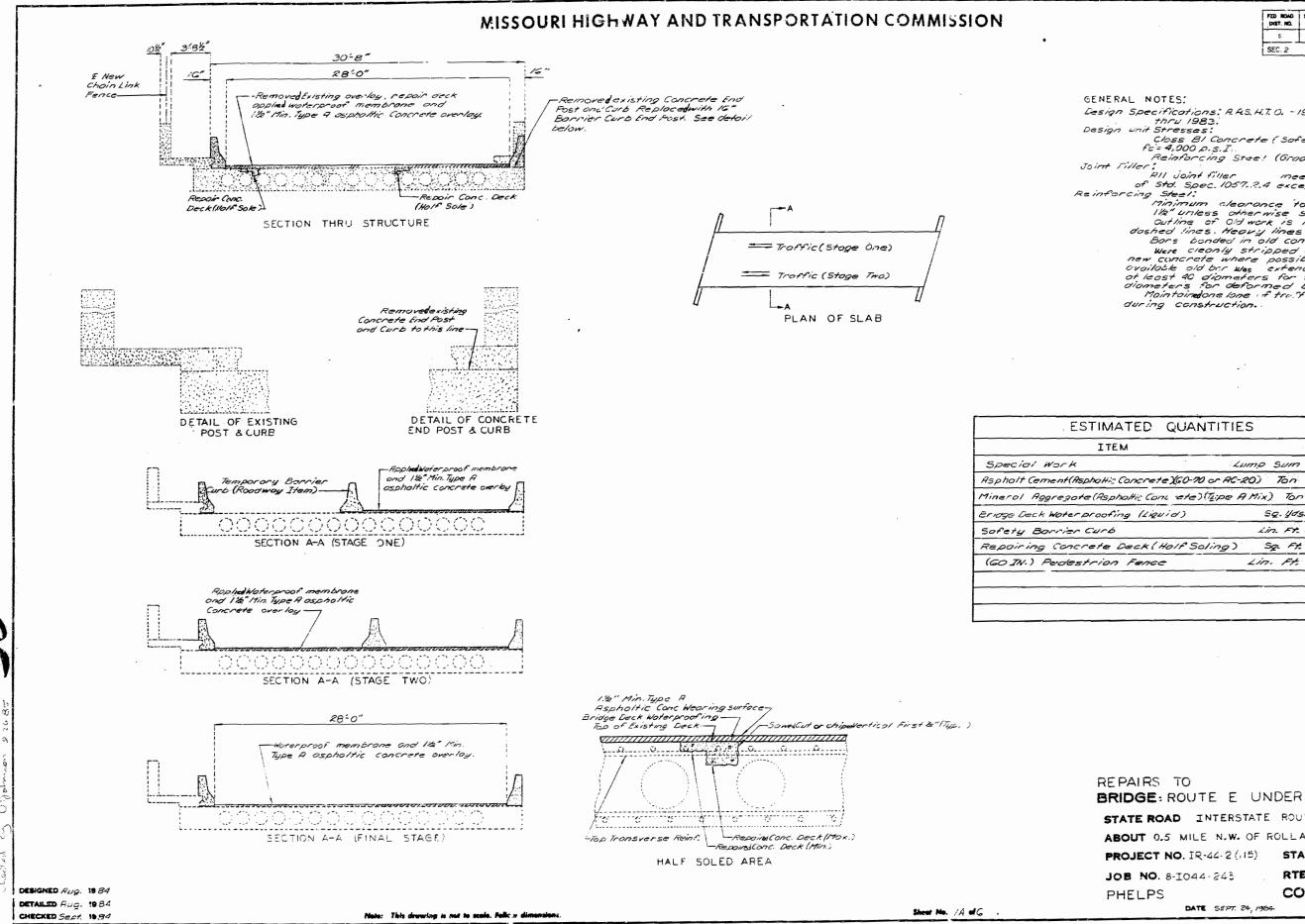


0

y

CHECKED Sept. 1984





FZD ROAD DIST. NO.	STATE	FED. AND FROM NO.	FISCAL YEAR	SHEET TUTAL				
5	MED.		29	7				
SEC. 2		TWP37	'N	RGE. 8	N			

Design Specifications: R.AS.H.T.O. - 1977 and Interims

Class BI Concrete (Sofety Borrier Curb fe = 4,000 p.s.I.

Reinforcing Stee! (Grade GO) fy= GO.000 p.s.I. RII joint filler meets the requirement

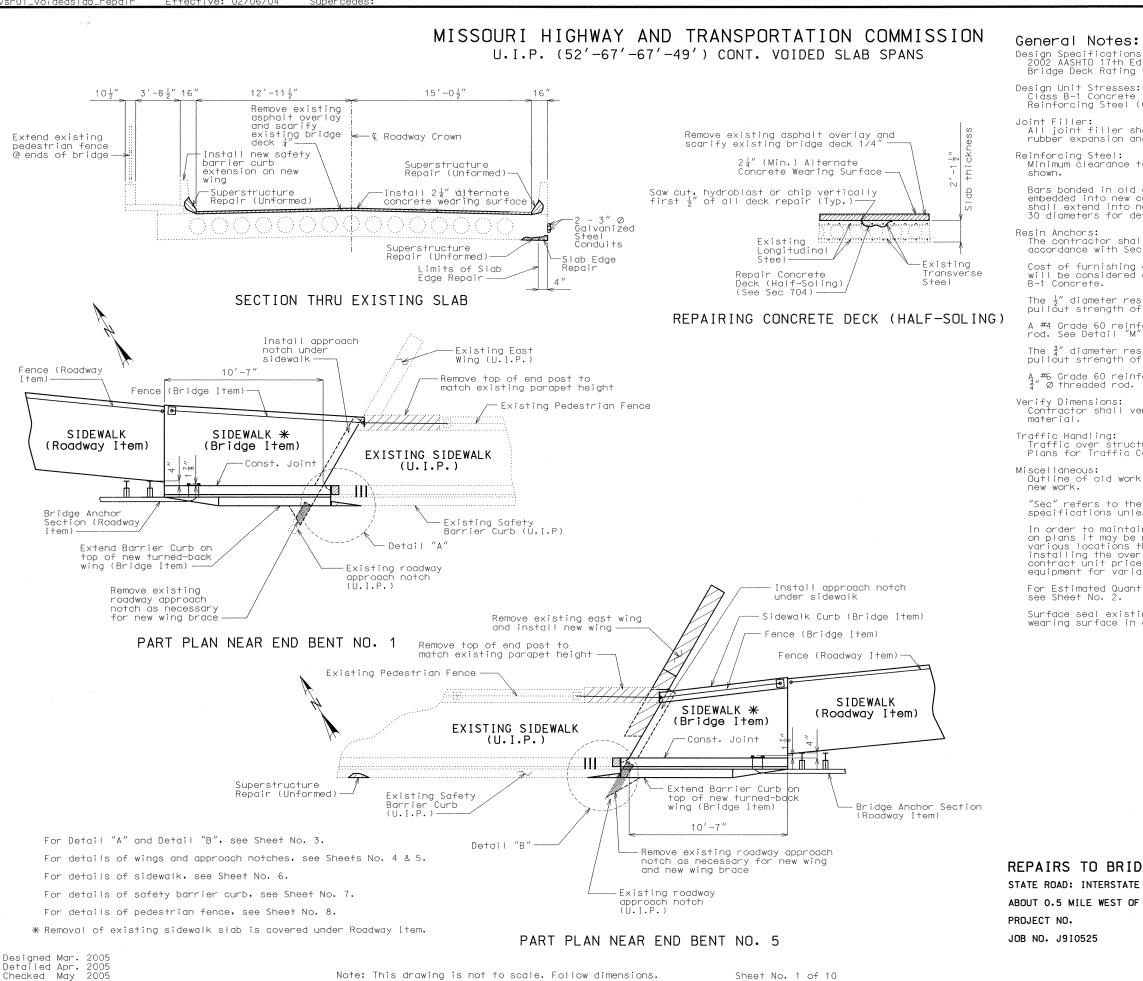
of Std. Spec. 1057.2.4 except os noted. Reinforcing Steel. Minimum clearance to reinforcing steel was

I'minum clearance to reinforcing steel we like unless otherwise shown. Outline of Old work is indicated by light dashed lines. Heavy lines indicate new work. Bors bonded in old concrete not removed Were creanly stripped and embedded into new concrete where possible. If length was Cvoilable ald ber was extend into new concrete of least 40 diameters for smooth bars and 30 diameters for deformed bars. Maintained one lone of tro. fic over structure

ESTIMATED QUANTITIES TOTAL LUMO SUM 4.0 79 5q. 4ds. 740 474 Lin. Ft. 00 Sq. Ft. 225 Lin. Ft.

REPAIRS TO BRIDGE: ROUTE E UNDER PASS STATE ROAD INTERSTATE ROUTE 1-44 ABOUT 0.5 MILE N.W. OF ROLLA PROJECT NO. IR-44-2 (15) STA. 967+30= STD. RTE 1-44 JOB NO. 8-1044-243 STD. COUNTY A-1261R DATE SEPT. 24, 1984



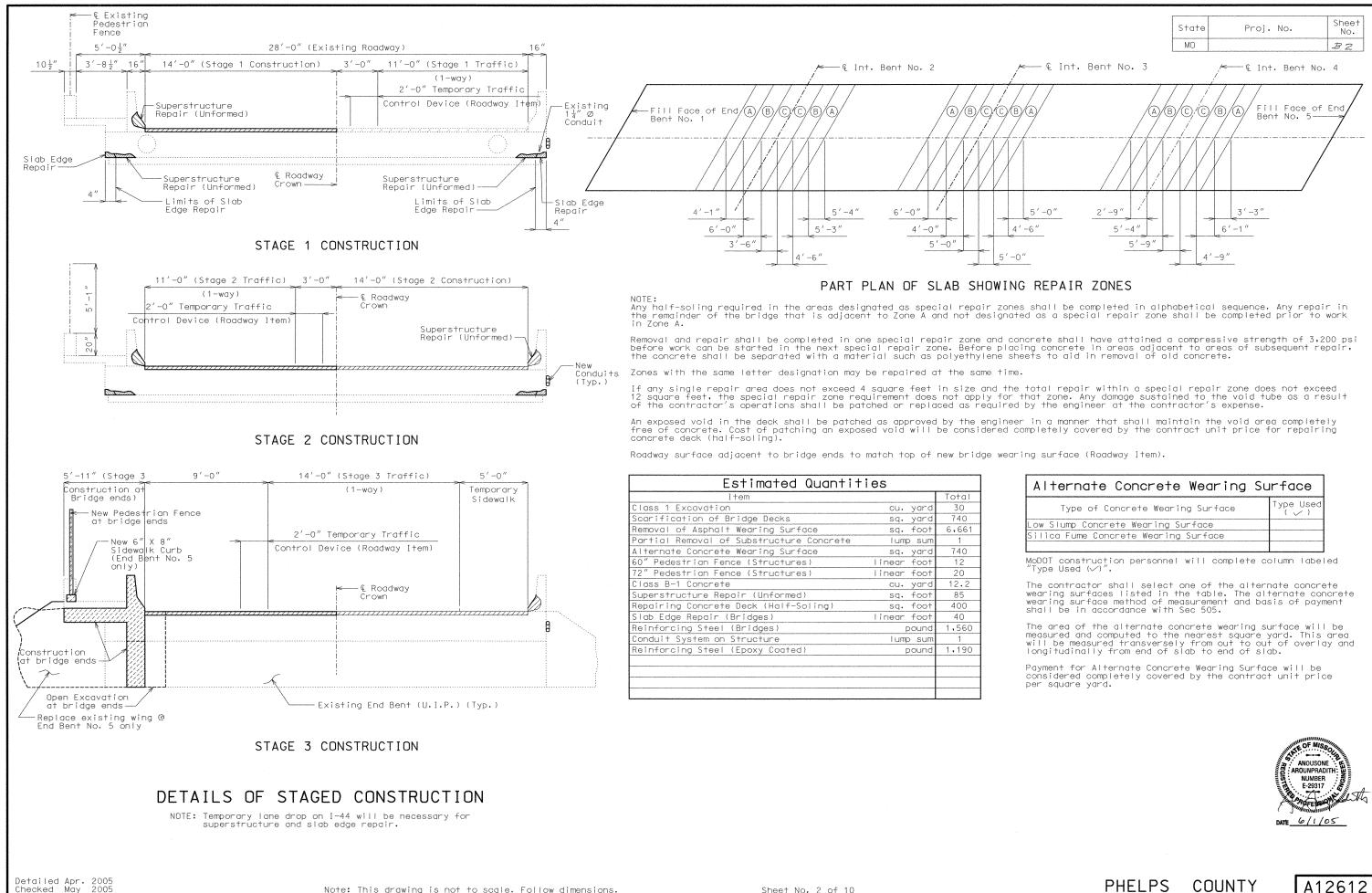


	State	Proj. No.		Sheet No.	
c •	MO			BI	
s: dition	SEC	2 TWP 37N	RGI	E 8W	
= 6 : (All Concrete) f'c = (Grade 60) fy = 60,000		psi			
hall be in accordance wit nd partition filler, exce	th Sec ept as	1057 for prefor noted.	med sp	onge	
to reinforcing steel shal	I be 1	-1/2", unless c	therwi	se	
concrete not removed sho concrete where possible. new concrete at least 40 eformed bars, unless othe	ll be If len diamet erwise	cleanly strippe gth is availabl ers for smooth noted,	d and e, old bars d	l bars Ind	
ll use one of the qualifi c 1039.	ied res	in anchor syste	ms in		
and installing the resir completely covered by th	n ancho ne cont	r system comple ract unit price	te-in- for C	-place lass	
sin anchor systems shall f 9,800 lbs, in concrete	have a with f	minimum ultimo 'c = 4,000 psi.	ite		
forcing bar shall be subs " on Sheet No. 4.	stitute	d for the $\frac{1}{2}$ "Ø	thread	led	
sin anchor systems shall f 20,400 lbs, in concrete					
forcing bar 3'-0" long sh	nall be	substituted fo	r the		
erify all dimensions in f	field b	efore ordering	new		
ture to be maintained dur Control and Details of St	ring co Haged C	nstruction, See onstruction on	Roadw Sheet	Vay No. 2.	
k is indicated by dashed	lines.	Heavy lines ir	idicate)	
e sections in the standar ess specified otherwise.					
in grade and a minimum th necessary to use additic throughout the structure. rlay will be considered o e, including all addition ations in thickness of ov	The c complet al lab	ontities of ove ost of furnishi ely covered in	ng and the	1†	
tities Table and Alternat	te Conc	rete Wearing Su	irface	Table,	
ing sidewalk, barrier cur accordance with Sec 703.		ewalk curb and	new de	¢ck	
		A ARO	NOUSONE UNPRADITH VUMBER E-29317	WOINER N	
DGE: ROUTE E UNDE E ROUTE I-44 F VICHY ROAD	RPAS	DATE	6/1/05	5	
STA. 967+50± (I-44 E	BL) (M	atch Existing)			
RTE. I-44			STD.	609.00 706.35	-
				100133	

PHELPS COUNTY

t:\br-proj\schubg1\changes\a12612\A12612_001.dgn 02:35:07

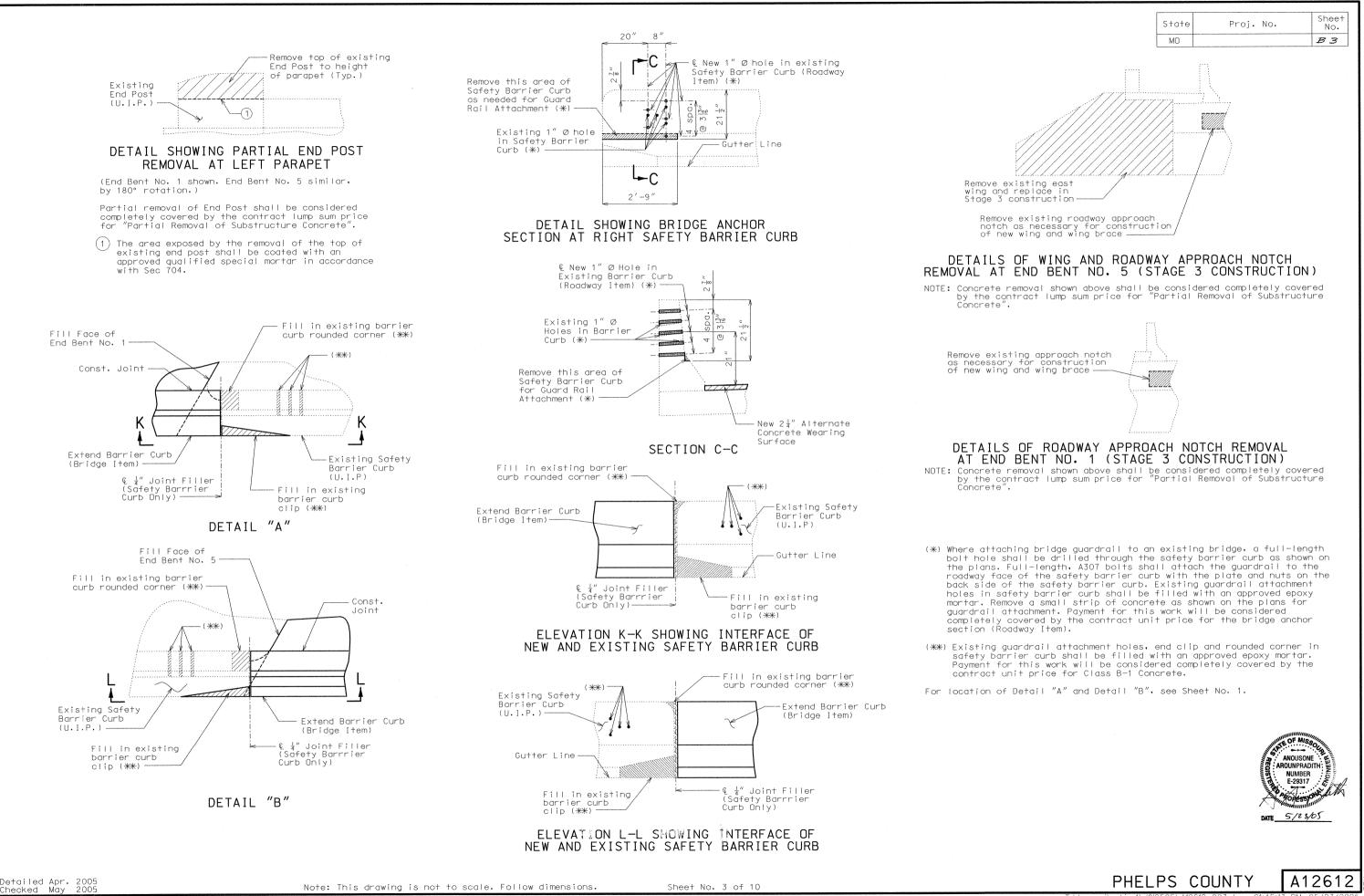
A12612



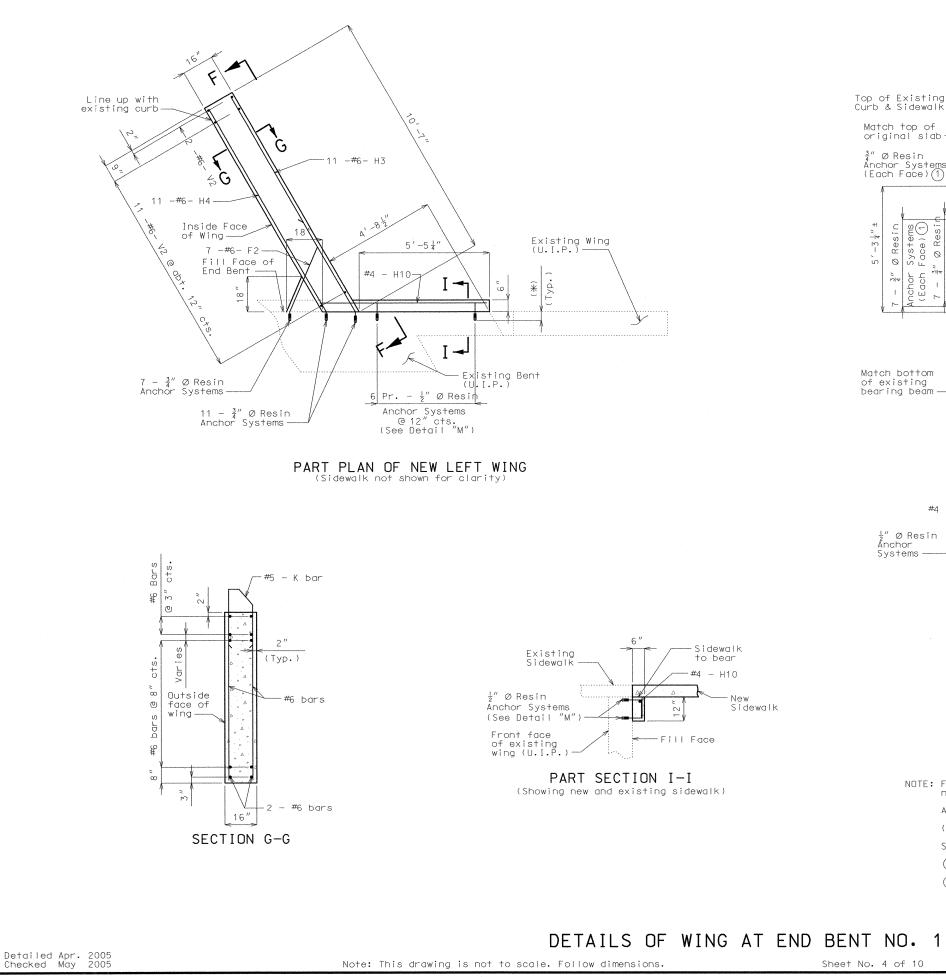
lternate Concrete Wearing Su	irface
Type of Concrete Wearing Surface	Type Used
v Slump Concrete Wearing Surface	
ica Fume Concrete Wearing Surface	

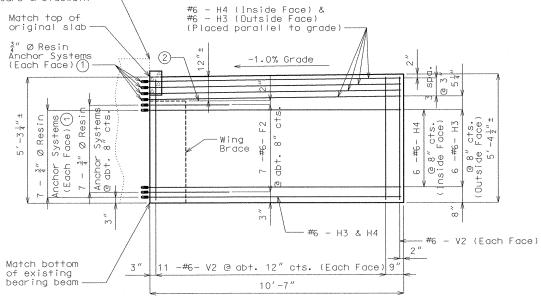
PHELPS COUNTY

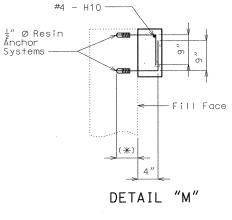
t:\br-proj\schuba1\chanaes\a12612\A12612_002.dan_02:35:02



T:\br-proj\robinp1\J910525\A12612_003.dqn







- NOTE: Field bend component reinforcing bar of resin anchor system when necessary to lap with paired reinforcing bar in barbill.
 - All concrete to be Class B-1. (*) Manufacturer's recommended embedment depth.

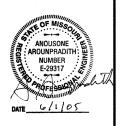
 - 2 Top of new wing brace to be flush with top of existing roadway approach notch.

Sheet No. 4 of 10

Concentration of the local division of the l	State	Proj. No.	Sheet No.
	MO		B4

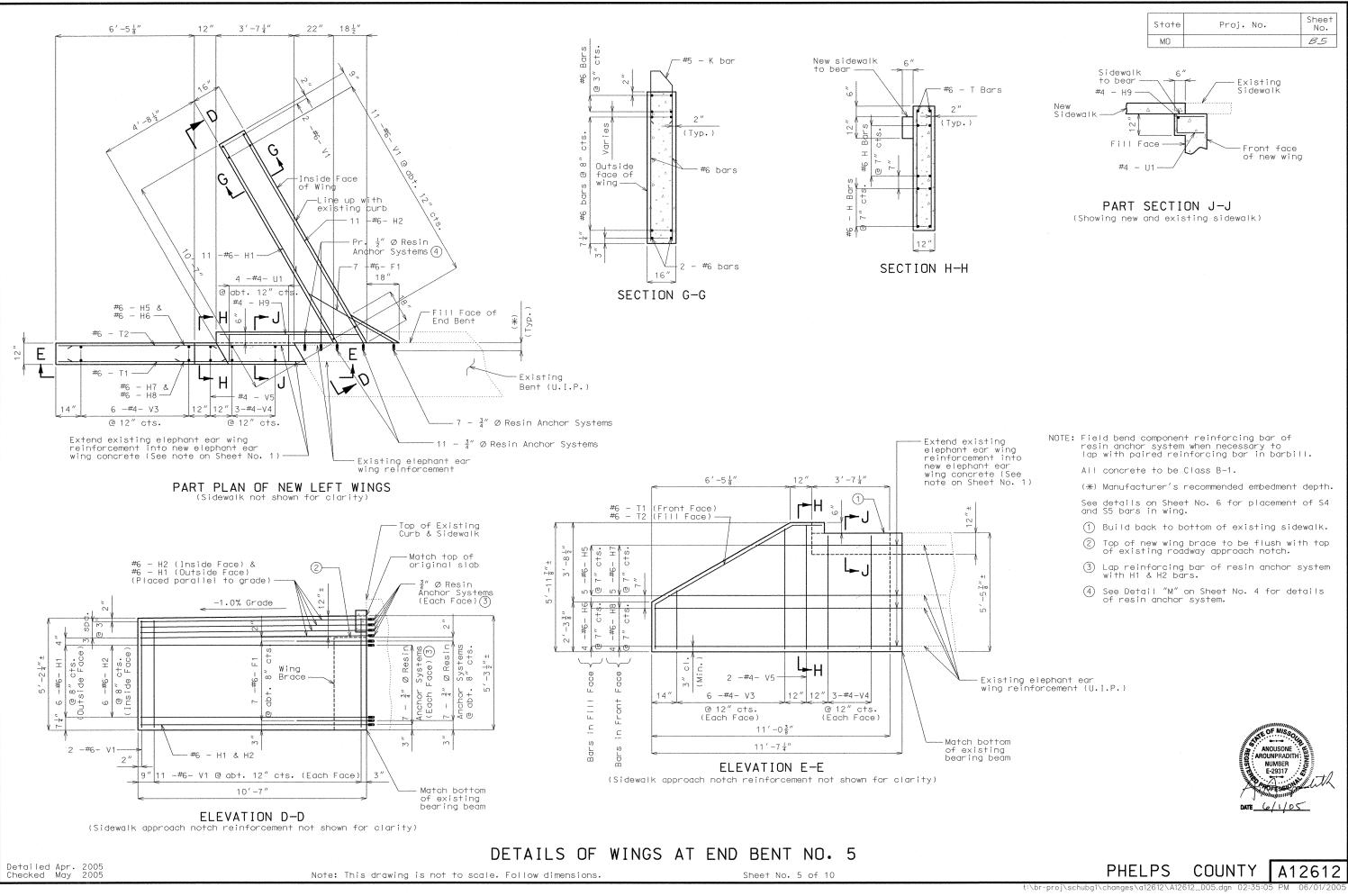


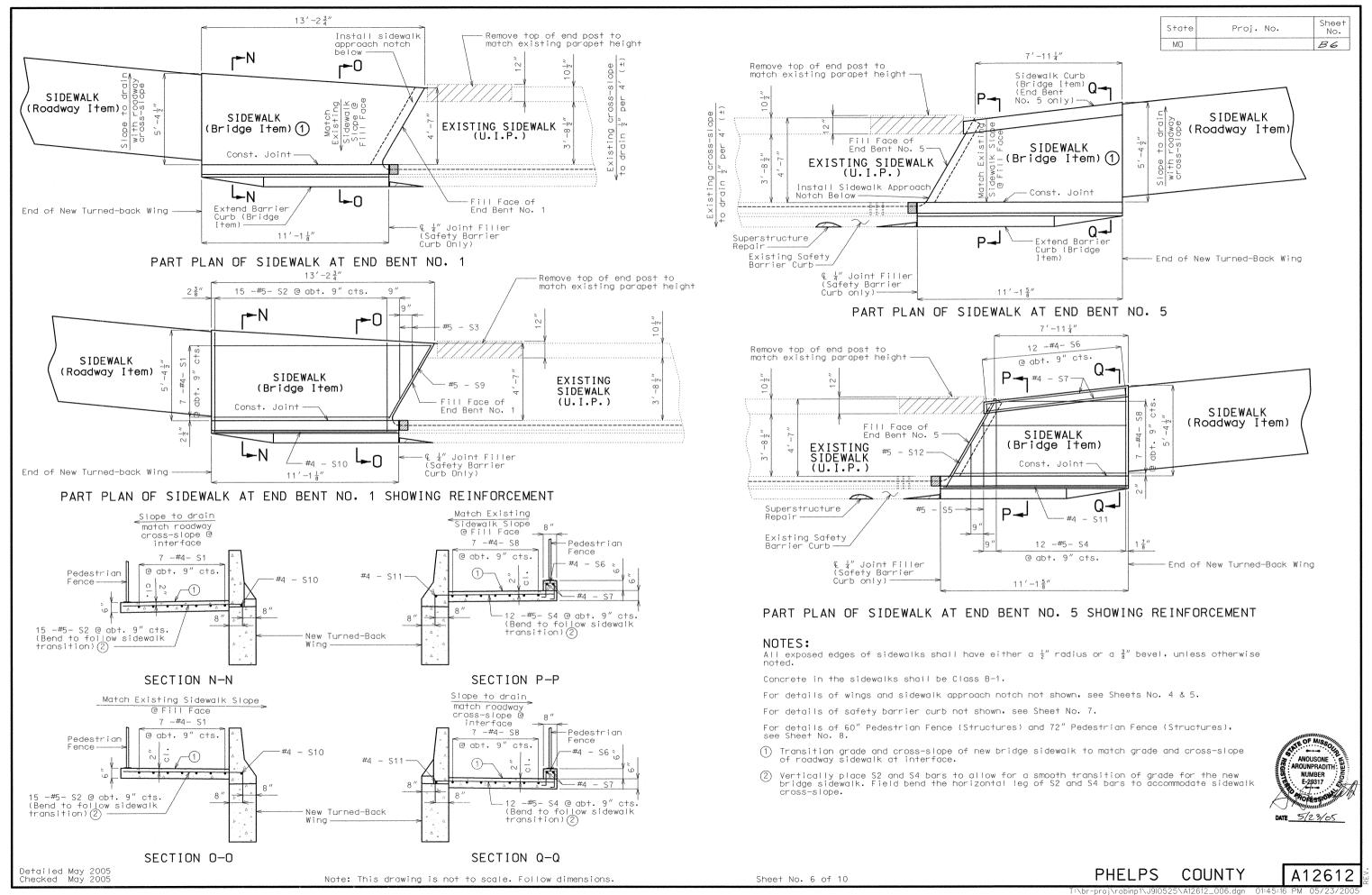
See details on Sheet No. 6 for placement of S2 bar in the wing. (1) Lap reinforcing bar of resin anchor system with H3 & H4 bars.

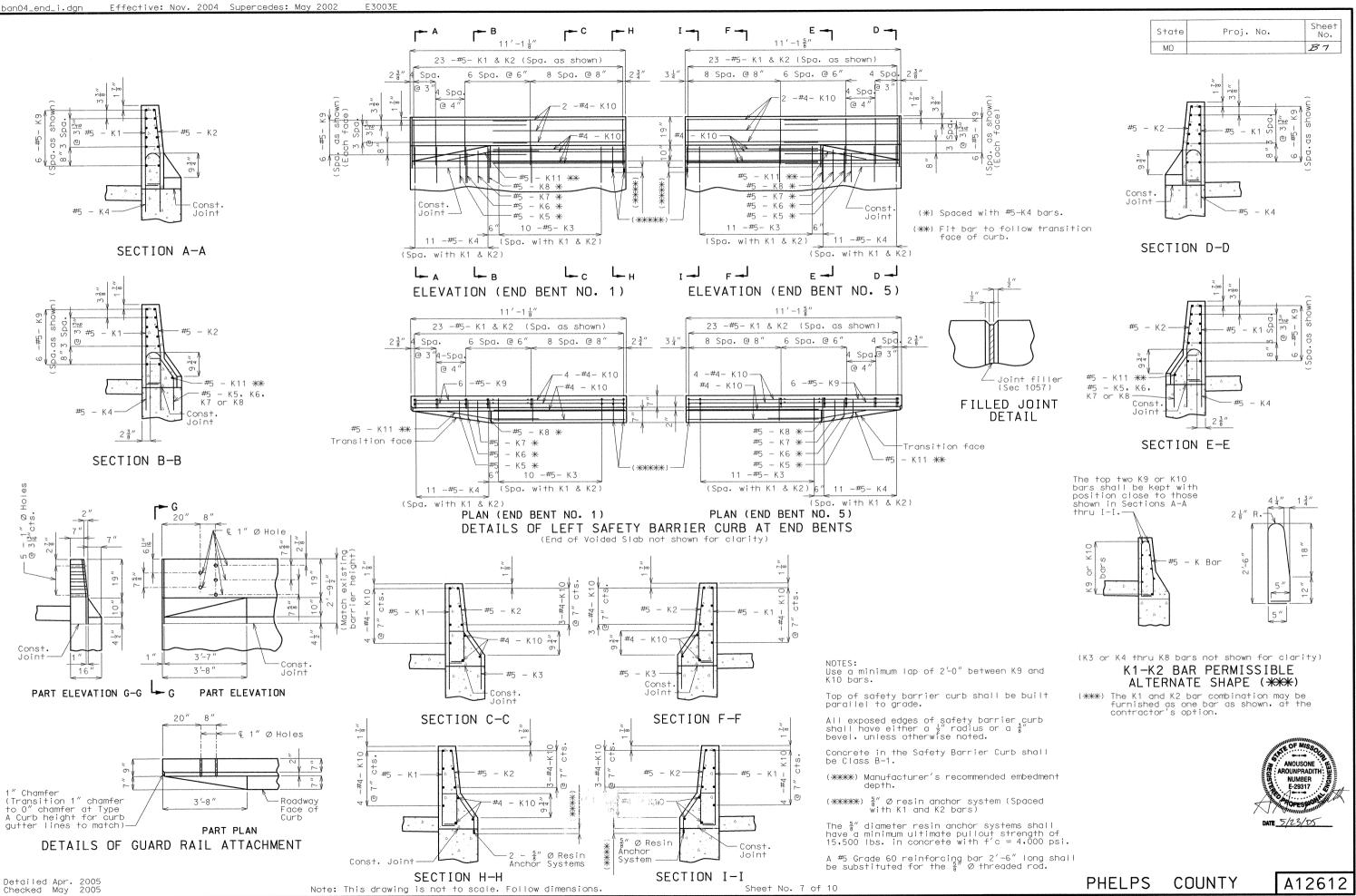


A12612 PHELPS COUNTY

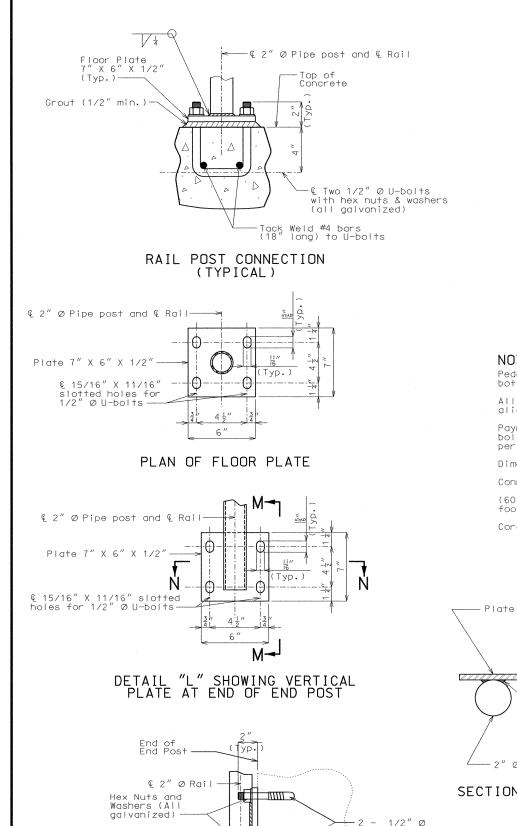
t:\br-proj\schubg1\changes\a12612\A12612_004.dgn 02:35:0





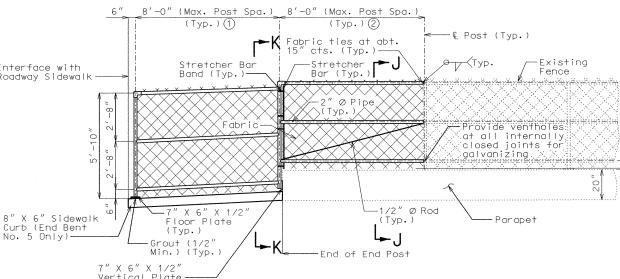


:\br-proj\robinp1\J910525\A12612_007.dgn 01:45:17 PM 05/23/200



ELEVATION M-M

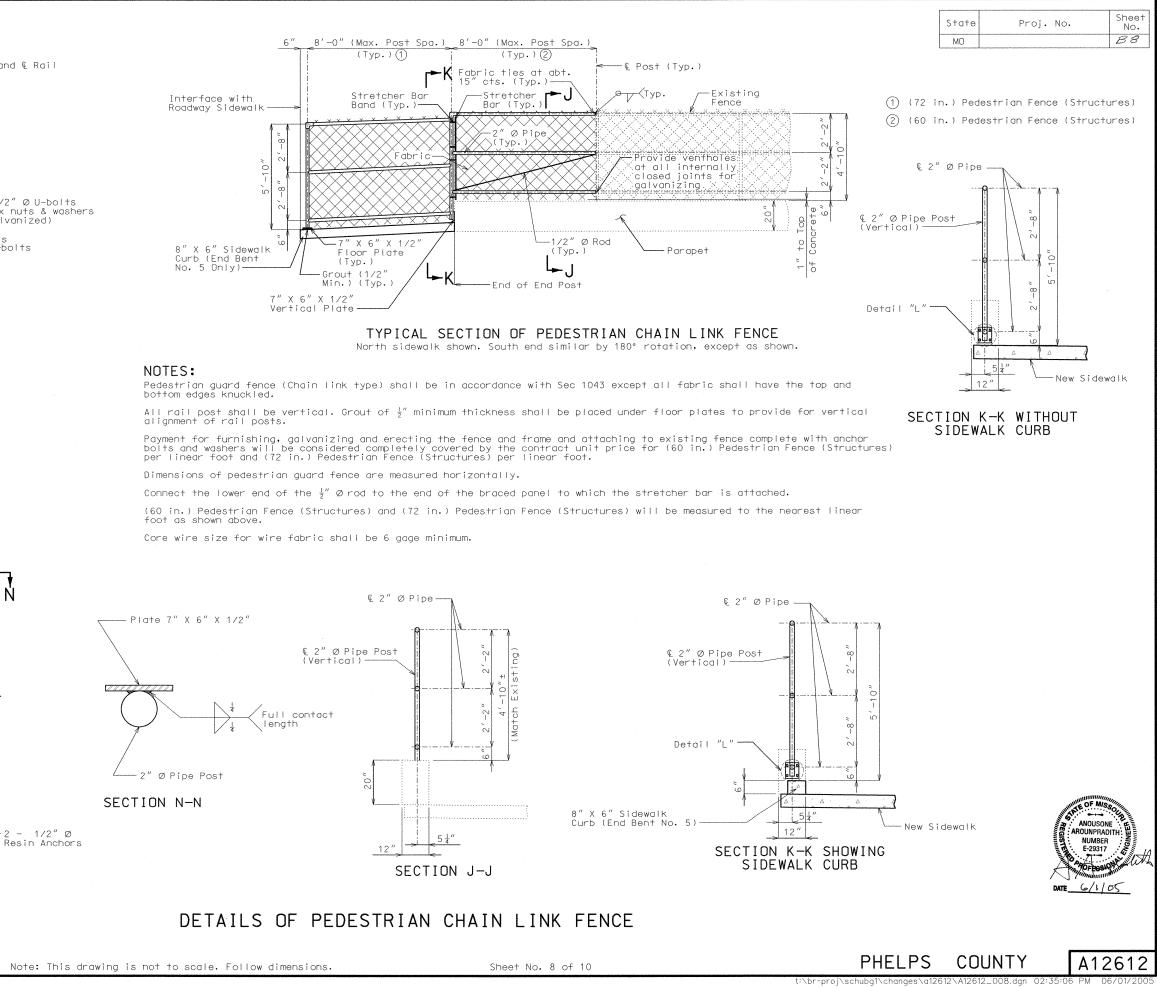
Vertical Plate 7" X 6" X ½"-



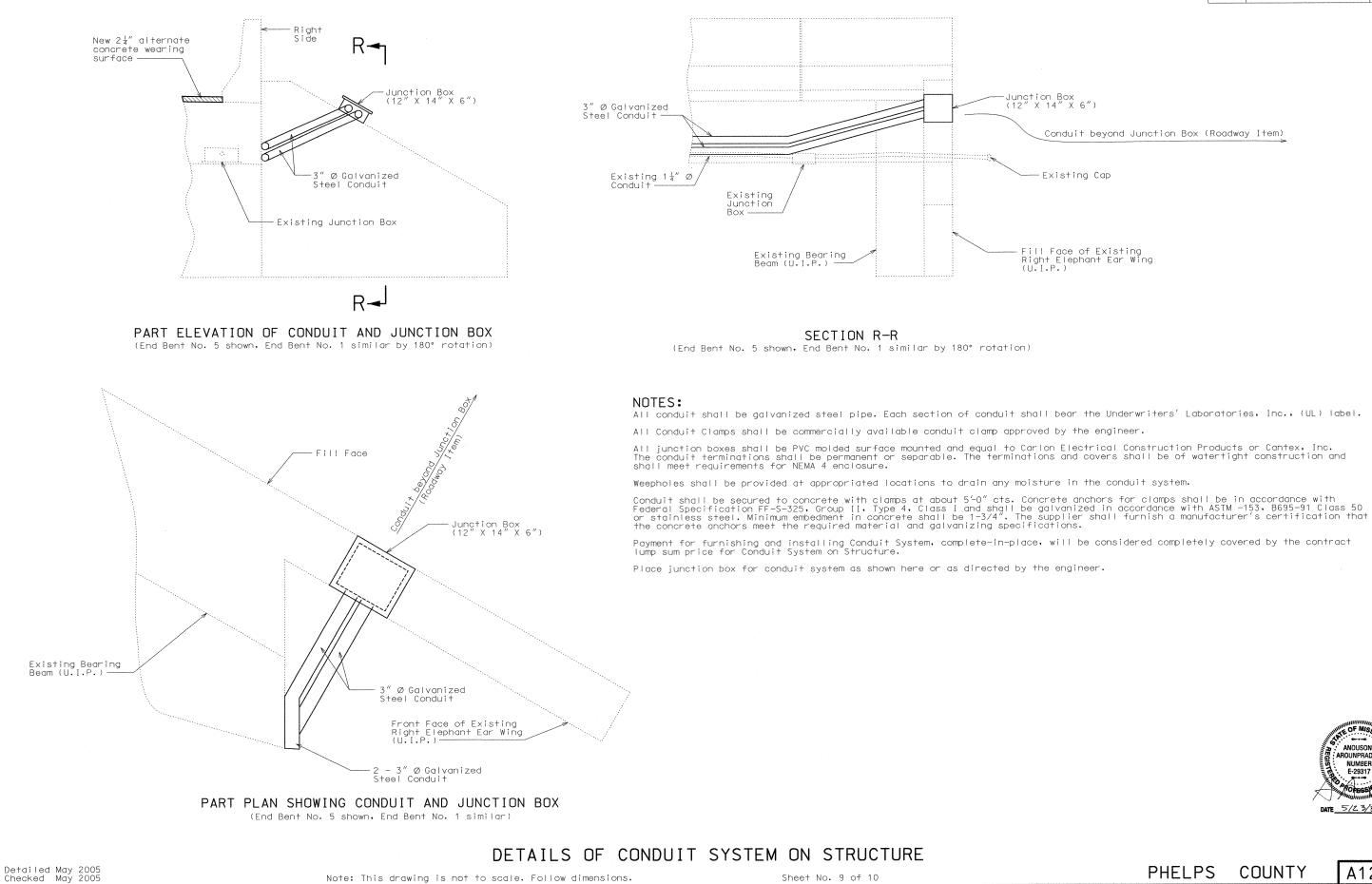
bottom edges knuckled.

per linear foot and (72 in.) Pedestrian Fence (Structures) per linear foot.

foot as shown above.



Detailed Apr. 2005 Checked May 2005



Sta	te	Proj. No.	Sheet No.
MO			89

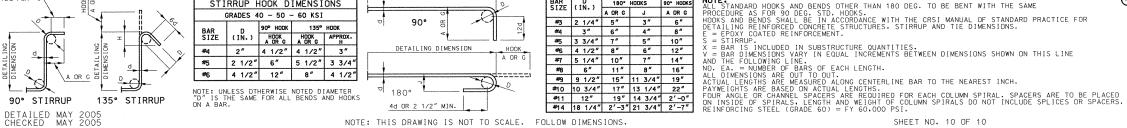
Conduit beyond Junction Box (Roadway Item)

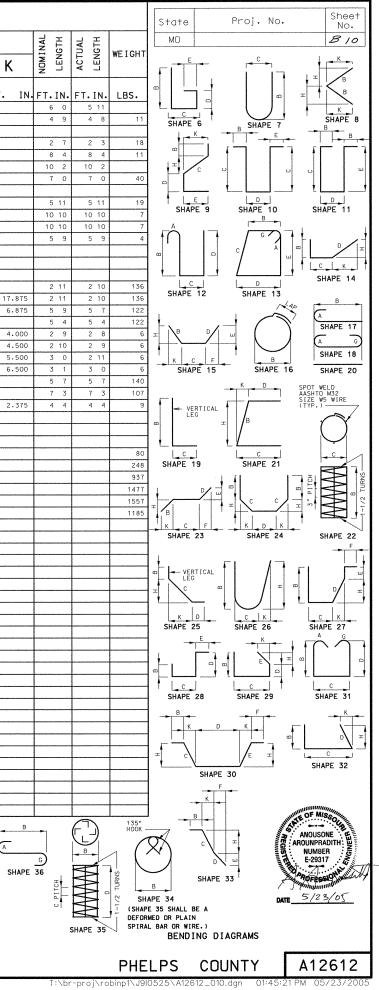




T:\br-proj\robinp1\J9I0525\A12612_009.dgn 01:45:2

bart	ill_i	bb-05/	05/0	1	Su					DRCINO		FI												RTLI		EINFO	RCING	STE		
	MARK NO+			20	2					IMENSIONS				IAL TH	AL	1		MARK NO.		<u> </u>		25					MENSIONS			
. REQ'D.	SIZE MARK	LOCATION	EPOXY (E) SHAPE NO.	BSTR. ()	RIES ()		В	С	D	E	F	Н	К	NOMINAL	ACTUAL LENGTH	WEIGHT	RE	S I ZE MARK	LOCATION	UXY (I	IRRUP (SUBSTR. (X) VARIES (V)	ND. EACH	В	С	D	E	F	Н	K
ġ	s Σ	END BENT	S E	SU	A V	FT	. IN.	FT. IN	FT. IN	FT. IN	FT. IN	FT. IN	FT. IN	FT.IN	FT.IN.	LBS.	ov 2	5 S5	SIDEWALK	E 1	+	× 5	1	FT. IN.	FT. IN	FT. IN.	FT. IN.	FT. IN	FT. IN.	. FT.
		NO. 1																	INCREMENT =					2 2.000	2 7.000					
7	6 F2	WING BRACE	15		\square		14.000	2 11.375				11.125	8.500	4 1	4 1	43	12	2 4 56	15.000 INCH SIDEWALK	H F 1	1 S			4.000	9.000	5.000	9.000			
11	6 H3	WING	20		+	10	4.000		+	1				10 4	10 4	171		4 57	SIDEWALK	E 2	-++			8 4.000	51000					
11	6 H4	WING	20				9.000							9 9		161	7	7 4 S8	SIDEWALK INCREMENT =	E 2	0	۷	1	10 2.000 7 0.000					<u> </u>	
	4 H10	APPR. NOTCH	20				11.000		+					6 11	6 11	5	╟───		6.375 INCH	Н	+	-+-+		1 0.000					+	+
24	6 V2	WING	20		v		1.000							5 1	5 1			3 5 59	SIDEWALK	E 2				5 11.000						
		INCREMENT = 0.125 INCH	<u> </u>		$\left \cdot \right $		0.000							5 0	5 0	182	1	4 S10 4 S11		E 2				10 10.000					+	+
		0.125 1100	<u>}</u>		++					+		1			1				SIDEWALK	E 2		++		5 9.000						
									-																					
		END BENT			$\left \right $														BARRIER CURB	++	+									
7	6 F1	WING BRACE	15				14.000	4 5,875				7.000	12.125	58	58	60	46	5 K1	BARRIER CURB	E 1	9 S			2 6.000	5.125					
						-								10 0	10 6	173		5 K2 5 K3	BARRIER CURB					5.125	12,250 5,125	18.000	21.000		2.000	17.
11		WING	20 20		┝╌┼╴		0 6.000 1.000							10 6	10 6	183		2 5 K4	BARRIER CURB	E 2	7	-+-+		2 7.000	6.000	12.000	21.000		3.013	<u>+</u>
5	6 H5	WING	20		v		4.000							10 4			2		BARRIER CURB	E 2	-++			21.500	6.750				5.500	4.
		INCREMENT = 12.250 INC	<u> </u>		┝╌┝		3.000							63	63	62		2 5 K6 2 5 K7	BARRIER CURB	E 2				21.500	7.875 9.625	4.375			6.500 7.875	4.
4	6 H6	WING	20		┼┼	10	11.000							10 11	10 11	66	2	2 5 K8	BARRIER CURB	E 2	-++			21.500	11.250	4.375			9,250	6.
5	6 H7	WING	20		v		9.000							10 9	10 9		24		BARRIER CURB	E 2				5 7.000						<u></u>
		INCREMENT = 12.000 INC			++		9.000		+	+	+	+		6 9	6 9	66	22	2 4 K10 2 5 K11	BARRIER CURB	E 2	8			7 3.000					2 2.000	2.
4	6 H8	WING	20			11	5,000							11 5	11 5	69														
1	4 H9	APPR, NOTCH	20		_		5,000							6 5	6 5	4	┨────		TOTALS		+								<u></u>	
2	6 T1	WING	25	- -	++	- 2	2 0.750	7 3.250	16.875			3 7.625	6 3.625	10 9	10 8	32	╢────	4		╉╋	++								+	+
2	6 T2	WING	25		П	2	2 0.750	7 3,250	10,125			3 7.625	6 3.625	10 2	10 1	30	1	4		E										
	4 U1	APPR. NOTCH	10	s	++			16.000	9.000			+		3 5	3 3	9	╢────	5		E	+-+								+	+
																			TOTAL											
24	6 V1	WING INCREMENT =	20		V		1 11.000							5 0	5 0		╢		TOTAL	E	++									+
		0.125 INC			++		11.000									113	╢───			++	++	++				1				
12	4 V3	WING	20		V		5 6.000							56																
		INCREMENT = 6.750 INC	<u>}-</u>		┼╌┼╴		2 8,000						+	28	2 8	33	┨────			++									+	+
6	4 V4	WING	20				5 2.000							5 2	5 2	21														1
2	4 V5	WING	20		++		5 8,000							58	58	8				+	-								+	
			++		++		, . ,		+	+																				
		SIDEWALK																					_							
7	4 S1	SIDEWALK INCREMENT =	E 20		V -		2 10.000			+				12 10			╢───	+		++	+								+	
		4.875 INC	1																											
15	5 52	SIDEWALK	E 19		V		2.000	5 10.000 5 3.000						8 0			┨───			++	+									
		INCREMENT = 0.500 INC	╢╢	$\left \cdot \right $	++		2 2.000	5 3.000		+				1		113	╢───	+		++	+									+
2	5 \$3	SIDEWALK	E 20		V	1 3	3 4.000							34	+															
		INCREMENT = 17.000 INC			++		23,000							0 23	0 23	5	┨───			++	+									
12	5 S4	SIDEWALK	E 19		v	1 2	2 2.000	5 10.000						8 0	7 11															1
		INCREMENT =	1	$ \top$	ĻΤ		2.000	5 0.000	·	+				7 2	7 1	94	╟			+	+	+								
-		0.875 INC	╫┼──	\vdash	++									1	1	1	1		1	++	+									
														<u> </u>		<u> </u>	I	1												1
-	<u> </u>							l			1		L	1		1	JL	1								1	L			<u> </u>
	OR #4 AN	10#5 . 10								-	DETAIL	ING DIMENSION	، ⊷	F	END	HOOK DIM	ENSI ALL GRAD		TESTING.							INCLUDED			FUK	
12d	FOR #6	A OR		n		ļ			DIMENSI						BAR D SIZE (IN.	180*			ALL STANDA	RD H	JOKS	AND	BEŅÇ	S OTHER TH	IAN 180 DE	G. TO BE BEI	NT WITH THE	SAME		Á
	~	╈┱╴┈	ł		>		T	RADES 40 -	50 - 60 KSI	ноок	⊽ 90	0° %	-1			4″ 5″	3″	6″	HOOKS AND DETAILING	BEND: REIN	S SHA FORCE	ALL BI	E IN NCRE	ACCORDANC	E WITH TH	E CRSI MANU RUP AND TIE	AL OF STAND DIMENSIONS	ARD PRACT	.CE FOR	SI
υZ	`}	T	T	Ø	/	\sim	BAR SIZE	(IN.) HO					U		#4 3" #5 3 3/		4" 5"	<u>8"</u> 10"	E = EPOXY S = STIRRU	COATI JP.	ED RE	EINFO	RCEN	TRUCTURE C						





MODOT				Department of T	-		
	COUNTY, DHELDS	DISTRICT. CD		Bridge Inspectio	-	1	DDIDCE, A12
	COUNTY: PHELPS	DISTRICT: CD		S: STATBR	FED-ID: 104	1	BRIDGE: A120
ROUTE:	PTFS	***GENERAL STRUCTU # SPANS: 4			CODE: 62912 ROLLA CITY	,	***BR
FEATURE:		LANES ON: 2			NGTH: 238 FT 0 IN		DATE: 05/19/ FREQUENCY: 24
STATUS:		LANES UNDER: 4			SPAN: 67 FT 0 IN	1	FREQUENCE: 24 FEAM LEADER: MICH
LOG MILE:		COMPASS DIRECTION: V		APPROACH ROAI		⁻	INSPECTOR 2: JOE 0
DETOUR:	2.00 MILES	DIRECTION OF TRAFFIC: 2	2-WAY TRAF	CURB TO (CURB: 28 FT 0 IN		INSPECTOR 3:
NHS:		FUNCTIONAL CLASS: U			OUT: 35 FT 4 IN	я	** When calculated interv
BUILT:		NBI OWNER: N			AADT: 8944		G
REHAB:	1984 S 2 T 37 R 8 W	NBI MAINTAINED: N MAINTENANCE DISTRICT: (YEAR: 2021 RUCK: 4.4%		
	37 57 22.26 (DMS)	MAINTENANCE DISTRICT: 4			AADT: 14310		
	91 46 55.20 (DMS)	SUB AREA: 7		FUTURE AADT			
					1		
		TICAL INSPECTION INFO				····	NDEPTH INSPECT
DATE:		SIBILITY:	CATEGORY:		DATE:		RESPONSIBILITY:
FREQUENCY:	CALCULATED INT		NBI: Method.		FREQUENCY: TEAM LEADER:	CALCUL	ATED INTERVAL**: INSPECTOR 3:
TEAM LEADER: INSPECTOR 2:		PECTOR 3: PECTOR 4:	METHOD:		INSPECTOR 2:		INSPECTOR 3: INSPECTOR 4:
			1				
** When calculated in	terval exceeds the frequency, a justi	ification comment per BIRM is require	ed.		** When calculated interval e	xceeds the frequ	ency, a justification comm
	FRACTURE C	RITICAL INSPECTION COM	MENTS				INDEPTH INSPEC
	SPECIAL	INSPECTION INFORMATIO	ON			***UND	DERWATER INSPE
DATE:		SIBILITY:	CATEGORY:		DATE:		RESPONSIBILITY:
FREQUENCY:	CALCULATED INT		NBI:		FREQUENCY:	CALCU	LATED INTERVAL**:
TEAM LEADER: INSPECTOR 2:		ECTOR 3: ECTOR 4:	METHOD:		TEAM LEADER: INSPECTOR 2:		INSPECTOR 3: INSPECTOR 4:
			.1			J- 41 C	
when calculated in	terval exceeds the frequency, a justi-	fication comment per BIRM is require			** When calculated interval	exceeds the freq	
	SPECIA	L INSPECTION COMMENTS	5			Ul	NDERWATER INSP.
<u>DATE</u> <u>FREQU</u>		R SPECIAL INSPECTIONS NBI CALCULATED INTERVAI	L <u>RESPONSIBILITY</u>	<u>METHOD</u>	DATE FREQUENCY		<u>DTHER UNDERWA</u> D <u>RY NBI CAL</u>
Design_No = a1261					ga 1		

Page 1

December 28, 2022 1:54:51PM

261

RIDGE INSPECTION INFORMATION*** 19/2021 **RESPONSIBILITY:** DISTRICT CALCULATED INTERVAL**: 20 CHAEL MEYERHOFF ELEMENT: NO **GREEN INSPECTOR 4:**

erval exceeds the frequency, a justification comment per BIRM is required. GENERAL INSPECTION COMMENTS

TION INFORMATION***

CATEGORY: NBI: **METHOD:**

mment per BIRM is required.

ECTION COMMENTS

ECTION INFORMATION***

CATEGORY: NBI: **METHOD:**

omment per BIRM is required.

SPECTION COMMENTS

ATER INSPECTIONS ALCULATED INTERVAL RESPONSIBILITY

METHOD

MODOT		Μ	lissouri Departmen	-	n		December 28, 2022 1:54:51PM
COUNTY: PHELPS	DISTRICT: CD		State Bridge Ins CLASS: STATBR		CD-ID: 1041	BRIDGE: A1261	
	DISTRICT. CD			CTURE POSTING**		DRIDGE, A1201	
APPROVED CATEGORY: S-1	NO POSTING REQUIRED		5110				
Ton 1:	Ton 2:		Ton 3:				
COMMENTS:							
FIELD CATEGORY: S-1 Ton 1:	NO POSTING REQUIRED Ton 2:		Ton 3:	PROBLEM:		PROBLEM DIRECTION:	
COMMENTS:	1011 2.		1011 5.	I KODLEMI.		I KOBLEM DIKECTION.	
			GENERAL COMM	ENTS/MAJOR RAT	ED ITEMS*		
GENERAL COMMENTS: (RACKEM, 10/17/	2007)(52'-67'-67'-49') CONT VOIDED C	ONC SLAB SPA	ANS				
		COLOUTIN					
[11EM 58] DECK: 6- RATING: 05	SATISFACTORY CONDITION 5/18/2001	COMMENT	'S: (RACKEM, 11/04/2011)	CRACK, LEACH			
IITEM 501 SUPED 6	SATISFACTORY CONDITION	COMMENT	'S: (RACKEM, 11/04/2011)	CRACK LEACH			
RATING: 05		COMMENT	5. (RACKEN, 11/04/2011)	-eraek, Elaen			
[ITEM 60] SUB: 6-	SATISFACTORY CONDITION	COMMENT	S: (RACKEM, 11/04/2011)	CRACK, LEACH			
RATING: 05	5/18/2001						
[ITEM 61] BANK/CHANNEL: N		COMMENT	S:				
RATING: 05	5/18/2001						
	-NOT APPLIC NOT WATERW	COMMENT	'S:				
RATING: 05 EVALUATION TYPE:	5/18/2001						
[ITEM 71] WATERWAY ADEQUACY: N	OT APPLICABLE	COMMENT	S:				
RATING: 05	5/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 8-	VERYGOOD	COMMENT	'S:				
RATING: 05	5/18/2001						
		RAILING	AND APPROACH PA		NENTS AND RA	TINGS*	
[ITEM 36A] BRIDGE RAILING RATIN			RATING: 05/18/2001	COMMENTS:			
<u>MATERIAL</u> REINFORCED CONCRETE S	<u>CONSTRUCTION</u> SAFETY BARRIER CURB	<u>DIRECTION</u> BOTH	<u>COMMENTS</u>				
<u>CONDITION</u>	LOCATION 1		LOCATION 2	<u>SEVERITY</u>	<u>COMMENT</u>		
DETERIORATIO VERTICAL CRAC				MINOR MINOR			
GALVANIZED STEEL	PEDESTRIAN FENCE	LEFT					
REINFORCED CONCRETE	SIDEWALKS	LEFT					
[ITEM 36B] TRANSITION RAILING RATIN	G: MEETS CURRENT STANDARDS-1		RATING: 10/17/2007	COMMENTS:			
MATERIAL CALVANIZED STEEL		DIRECTION	<u>COMMENTS</u>				
GALVANIZED STEEL T	HRIE BEAM TO W-BEAM	ALL					
Design_No = a1261				Page 2			
				- •·5• #			

MODOT			Missouri Department (-			
			State Bridge Inspe	-	TD 1041		
	TY: PHELPS	DISTRICT: CD	CLASS: STATBR		D-ID: 1041	BRIDO	GE: A12
	RAILING RATING: MEETS C		RATING: 05/18/2001	COMMENTS:			
<u>MATERIAL</u> GALVANIZED STEI	EL W-BE		<u>N</u> <u>COMMENTS</u>				
	CATMENT RATING: MEETS C		RATING: 05/18/2001	COMMENTS:			
<u>MATERIAL</u> GALVANIZED STE	EL BREKAWAY		<u>N</u> <u>COMMENTS</u> (OTTINM, 11/06/201	3)ET 2000			
APPROAC	H PAVEMENT: *Overall condit	ion assigned for each approach pavement	et component is shown below.				
<u>MATERIAL</u>	<u>CONSTRU</u>			<u>COMMENTS</u>			
REINFORCED CONCI	RETE SLA <u>Condition</u>	B BOTH LOCATION 1	GOOD <i>LOCATION 2</i>	<u>SEVERITY</u>	COMMENT		
	SETTLEMENT	ENDS		MINOR			
		DRAINAGE, EXPA	NSION DEVICES, BANK/S	SLOPE, AND DECK	C PROTECTIVE C	OMPONENT	[S
<u>ECK PROTECTIVE COMPON</u> <u>SERIES TYPE-#</u> MAIN SERIES-1	<u>NENTS:</u> <u>COMPONENT</u> WEARING SURFACE	<u>MATERIAL</u> PLAIN CONCRETE	<u>CONSTRUCTION</u> LOW SLUMP	<u>THICKNESS</u> 2.25 IN	<u>YEAR APPLIED</u>	<u>MANUFACTI</u>	<u>URE</u>
<u>COMMENT:</u>							
		LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>COMMENT</u>		
LONGITUDIN TRANSVER		RANDOM HROUGHOUT		FEW FEW			
COMMENT:	DECK PROTECTION	NOTAPPLICABLE	NONE				
	MEMBRANE	NOTAPPLICABLE	NONE				
<u>COMMENT:</u>							
SEC	CONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALE	D	2022	SILANE	
<u>COMMENT:</u>							
RAINAGE COMPONENTS:							
	<u>COMPONENT</u> DRAINAGE	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CURB OUTLET	<u>DIRECTI</u>	<u>ON</u> <u>COMMENTS</u>	5	
XPANSION DEVICE COMPO SUB UNIT-# SUB I	<u>NENTS:</u> LABEL <u>COMPONI</u>	ENT MATER	<u>RIAL</u> <u>CON</u>	<u>STRUCTION</u>	<u>GAP</u> <u>YE</u>	AR APPLIED	MANUFA
<u>COMMENT:</u>							
ANK/SLOPE PROTECTION C	COMPONENTS:						
	<u>COMPONENT</u>	<u>MATERIAL</u>	CONSTRUCTION	DIRECTI	<u>ON</u> <u>COMMENTS</u>	5	
	BANK PROTECTION	PLAIN CONCRETE	PAVEDSLOPE	BOTH		-	
			DECK C	OMPONENTS			
<u>SPAN TYPE-#</u> MAIN SPANS-1	<u>COMPONENT</u> DECK	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CAST-IN-PLACE	<u>COMMENTS</u>			

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

1261

OVERALL CONDITION GOOD

FACTURE

OVERALL CONDITION

		Missouri Departmer	-		
		State Bridge Ins	spection Rep		
COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR		FED-ID: 1041	BRIDGE: A126
<u>CONDITION</u> DETERIORATION MAP CRACKS PATCHES SATURATION SPALLS TRANSVERSE CRACKS	<u>LOCATION 1</u> EDGE EDGE EDGE EDGE EDGE OVERHANGS	LOCATION 2	<u>SEVERITY</u> MINOR FEW FEW MINOR MINOR FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-2 DECK <u>CONDITION</u> DELAMINATION DETERIORATION MAP CRACKS PATCHES SATURATION SPALLS TRANSVERSE CRACKS	<i>REINFORCED CONCRETE</i> <u>LOCATION 1</u> EDGE EDGE EDGE EDGE EDGE EDGE EDGE OVERHANGS	CAST-IN-PLAC	CE SEVERITY MINOR MINOR FEW FEW MINOR MINOR FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-3 DECK <u>CONDITION</u> DETERIORATION MAP CRACKS PATCHES SATURATION TRANSVERSE CRACKS	<i>REINFORCED CONCRETE</i> LOCATION 1 EDGE EDGE EDGE EDGE OVERHANGS	CAST-IN-PLAC	CE <u>SEVERITY</u> MINOR FEW FEW MINOR FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-4 DECK <u>CONDITION</u> DETERIORATION MAP CRACKS	<i>REINFORCED CONCRETE</i> LOCATION 1 EDGE EDGE	CAST-IN-PLAC LOCATION 2	CE <u>Severity</u> Minor Few	<u>MEASUREMENT</u>	<u>COMMENT</u>
PATCHES SATURATION SPALLS	EDGE EDGE EDGE		FEW MINOR LARGE		(BOWDEJ1, 02/02/2006)W/ PIPE EXF
		SUPERSTRU	CTURE COM	IPONENTS	
SERIES TYPE-# SPAN TY		<u>CONSTRUCTIO</u>	<u> 2N</u>	LABEL	<u>COMMENTS</u>
	<u>E INDICATOR</u> <u>LENGTH</u> <u>WEATHE</u>	I VOIDED SLAI RING STEEL <u>COMMENTS</u> NO <u>LOCATION 2</u>	B <u>SEVERITY</u> FEW MINOR MINOR MEDIUM	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-2 NON-CO <u>CONDITION</u> HORIZONTAL CRACKS VERTICAL CRACKS	OMPOSITE 67 FT 0 IN LOCATION 1 ENDS ENDS	NO <u>LOCATION 2</u>	<u>SEVERITY</u> MINOR MEDIUM	<u>MEASUREMENT</u>	<u>COMMENT</u>

December 28, 2022 1:54:51PM

1261

EXPOSED

10DOT				Missouri Departmer State Bridge Ins		-		
	NTY: PHELPS		DISTRICT: CD	CLASS: STATBR	•	FED-II	D: 1041	BRIDGE: A12
HORIZONT	5-3 NON-COM D <u>ITION</u> AL CRACKS L CRACKS	MPOSITE <u>LOCAT</u> EN EN	DS	NO <i>LOCATION 2</i>	<u>SEVERITY</u> MINOR MEDIUM	<u>MEASUR</u>	<u>EMENT COMMEN</u>	<u>NT</u>
DIAGONA EFFLOR HORIZONT TRANSVER	5-4 NON-CO <u>DITION</u> L CRACKS ESCENCE AL CRACKS SE CRACKS L CRACKS	MPOSITE <u>LOCAT</u> EN EN EN OVERH EN	DS DS DS IANGS	NO <i>LOCATION 2</i>	<u>SEVERITY</u> FEW MINOR MINOR FEW MEDIUM	<u>MEASUR</u>	<u>EMENT COMMEN</u>	<u>NT</u>
				***SUBSTRUC	CTURE CON	MPONENTS *	**	
SUBSTRUCTURE	<u>SKEW</u>	<u>LENGTH</u>	MATERIAL	CONSTRUCTION	LABEL			
ABUTMENT-1 <u>ASSOCIATE</u>	LA-30 DEGREES <u>CONDITION</u> ED COMPONENT	37 FT 5 IN <u>MATE</u>	REINFORCED CONCRETE LOCATION 1 ERIAL	INTEGRAL <u>LOCATION 2</u> <u>CONSTRUCTION</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BEAM CAP PILING	<u>CONDITION</u>	REIN	FORCED CONCRETE <u>LOCATION 1</u> L	CAST-IN-PLACE <u>LOCATION 2</u> H-SHAPE		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT	<u>CONDITION</u> WINGS	REIN	<u>LOCATION 1</u> FORCED CONCRETE	<u>LOCATION 2</u> CAST-IN-PLACE		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>CONDITION</u> DETERIORATION LEACHING PATCHES		LOCATION 1 AT WALL RANDOM ENDS	<u>LOCATION 2</u>		<u>SEVERITY</u> MODERATE MINOR SMALL	<u>MEASUREMENT</u>	<u>COMMENT</u>
	LA-30 DEGREES <u>CONDITION</u> ED COMPONENT	37 FT 9 IN <u>MATE</u>		MULTIPLE COLUMN <u>LOCATION 2</u> <u>CONSTRUCTION</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BEAM CAP COLUMN	<u>CONDITION</u>		FORCED CONCRETE <u>LOCATION 1</u> FORCED CONCRETE	CAST-IN-PLACE <u>LOCATION 2</u> INTEGRAL CAST-	IN DI ACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>CONDITION</u> HORIZONTAL CRAC	KS	<u>LOCATION 1</u> AT BEAM CAP	LOCATION 2	IIV-I LACE	<u>Severity</u> Fine	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	<u>CONDITION</u>	REIN	FORCED CONCRETE <u>LOCATION 1</u>	H-PILE <u>LOCATION 2</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-3 <u>Associate</u>	LA-30 DEGREES <u>CONDITION</u> ED COMPONENT	37 FT 5 IN <u>MATE</u>	REINFORCED CONCRETE <u>LOCATION 1</u> E <u>RIAL</u>	MULTIPLE COLUMN <u>LOCATION 2</u> <u>CONSTRUCTION</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BEAM CAP COLUMN	<u>CONDITION</u>		FORCED CONCRETE <u>LOCATION 1</u> FORCED CONCRETE	CAST-IN-PLACE <u>LOCATION 2</u> INTEGRAL CAST-	-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>CONDITION</u> DELAMINATION HORIZONTAL CRAC		<u>LOCATION 1</u> TOP TOP	<u>LOCATION 2</u>		<u>SEVERITY</u> FEW FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	<u>CONDITION</u>		FORCED CONCRETE LOCATION 1	H-PILE <u>LOCATION 2</u>		FEW <u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>

Page 5 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

December 28, 2022 1:54:51PM

1261

FOOTING REINFORCED CONCRETE LOCATION 1 SPREAD LOCATION 2 SEVERITY MEASUREMENT COMMENT BENT-4 LA-30 DEGREES 37 ET 9 IN REINFORCED CONCRETE MULTIPLE COLUMN COMMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT COLUMN REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT COLUMN REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP HORIZON LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP HORIZON LOCATION 2 SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP HORIZON LOCATION 2 SEVERITY MEASUREMENT COMMENT ABUTMENT-5 LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL CONDIT	COUNTY: PHELPS DISTRICT: CD CLASS: STATBR FED-ID: 1041 BRIDGE FOOTING REINFORCED CONCRETE SPREAD SEVERITY MEASUREMENT COMMENT BENT-4 LA-30 DEGREES 37 FT 9 IN REINFORCED CONCRETE MULTIPLE COLUMN SEVERITY MEASUREMENT COMMENT MATERIAL CONDITION MATERIAL CONSTRUCTION SEVERITY MEASUREMENT COMMENT MATERIAL CONSTRUCTION MATERIAL CONSTRUCTION SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CONSTRUCTION BEAMCAP REINFORCED CONCRETE CONSTRUCTION MEASUREMENT COMMENT COLUMN REINFORCED CONCRETE Interfail LOCATION2 SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP TEW TEW TEW COMMENT ABUTMENT-5 LA-30 DEGREES 37 FT 3 IN REINFORCED CONCRETE INTEGRAL CONSTRUCTION GONDITION LOCATION1 LOCATION2 SEVERITY MEASUREMENT COMMENT ABUTME	MODOT		Missouri Department of Tran	-		
FOOTING REINFORCED CONCRETE LOCATION_I SPREAD LOCATION_2 SEVERITY MEASUREMENT COMMENT BENT-4 LA-30 DEGREES 37 FT 9 IN REINFORCED CONCRETE MULTIPLE COLUMN COMMINI COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT COLUMN REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT COLUMN REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP FEW MEASUREMENT COMMENT HORIZONTAL CRACKS TOP FEW MEASUREMENT COMMENT ABUTMENT-5 LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL COMMENT ASSOCIATED COMPONENT MEASUREMENT LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MEATERIAL CONDITION	POOTING REINFORCED CONCRETE SPREAD LOCATION 2 SEVERITY MEASUREMENT COMMENT BENT-4 LA-30 DEGREES 37 FT 9 IN REINFORCED CONCRETE MULTIPLE COLUMN COMMENT			e i	Report		
CONDITION LOCATION I LOCATION 2 SEVERITY MEASUREMENT COMMENT BENT-4 L4-30 DEGREES 37 F7 9/N REINFORCED CONCRETE LOCATION 2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT METERIAL CONDITION METERIAL CONDITION COMMENT BEAN CAP CONDITION METERIAL CONDITION MEASUREMENT COMMENT BEAN CAP CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT BEAN CAP CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT COLUMN CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP FUN SEVERITY MEASUREMENT COMMENT GONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION SEVERITY MEASUREMENT COMMENT	CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT BENT-4 LA-30 DEGREES CONDITION INCOMPONENT BEAM CAP 37 FT 9 IN CONDITION INCOMPONENT BEAM CAP 37 FT 9 IN CONDITION INCOMPONENT BEAM CAP SEVERITY INCOMPONENT INFORCED CONCRETE MEASUREMENT COMMENT INFORCED CONCRETE SEVERITY INCOMPONENT INFORCED CONCRETE SEVERITY INFORCED CONCRETE MEASUREMENT COMMENT INFORMENT ABUTMENT-5 LA-30 DEGREES INFORCED CONCRETE INFORMENT INFORCED CONCRETE INFORMENT INFORMENT MEASUREMENT COMMENT INFORMENT ISSOCIATED CONFORMENT INSOCIATED CONFORMENT INSOCIATED CONFORMENT INFORMENT INFORCED CONCRETE INFORMENT INFORMENT SEVERITY INFORMENT MEASUREMENT COMMENT INFORMENT INSOCIATED CONFORMENT INSOCIATED CONFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT SEVERITY INFORMENT MEASUREMENT COMMENT INSOCIATED CONFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT INFORMENT	COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-I	D: 1041	BRIDGE: A12
CONDITION LOCATION I LOCATION I LOCATION I SEVENITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATRIALI CONSTRUCTION INTEGRAL CAP INTEGRAL CAP COMMENT	CONDITION LOCATION I LOCATION 2 CONSTRUCTION EVENTION SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT COLUMN LOCATIONI LOCATIONI LOCATIONI CONTIONI COMMENT COMMENT COLUMN CONDITION LOCATIONI LOCATIONI CONTIONI COMMENT COMMENT HORIZONTAL CRACKS TOP FEW FEW COMMENT COMMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 N REINFORCED CONCRETE H-PILE COMMENT COMMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 N REINFORCED CONCRETE LOCATION2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT METEAL CONSTRUCTION COMMENT EVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT REINFORCED CONCRETE CAST-IN-PLACE EVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT REINFORCED CONCRETE CAST-IN-PLACE EVERITY MEASUREMENT COMMENT VERTICAL CRACKS <				<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE COLUMN LOCATION I LOCATION I SEVERITY MEASUREMENT COMMENT COLUMN REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP FW SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP FW FW MEASUREMENT COMMENT MORTONTAL CRACKS TOP FW MEASUREMENT COMMENT MORTONTAL CRACKS TOP FW MEASUREMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT S N REINFORCED CONCRETE H-PILE MEASUREMENT COMMENT ASSOCIATED CONDUENT LOCATION I LOCATION I SEVERITY MEASUREMENT COMMENT MATERIAL LOCATION I LOCATION I LOCATION I COMMENT COMMENT ASSOCIATED CONDUENT REINFORCED CONCRETE CONSTRUCTION SEVERITY MEASUREMENT COMMENT MEASUREMENT LOCATION I LOCATION I LOCATION I LOCATION I LOCATION I FW VERTICAL CRACKS <td>BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE COLUMN REINFORCED CONCRETE DCATION 1 DCATION 2 HORIZONTAL CRACKS REINFORCED CONCRETE NTEGRAL CAST-IN-PLACE HORIZONTAL CRACKS TOP SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP SEVERITY MEASUREMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE H-PILE MEASUREMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT ASSOCIATED MONONENT MATELIAL CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT MATELIAL CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CONSTITUCN LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT VERTICAL CRACKS RANDOM CONDITION LOCATION 1</td> <td><u>CONDITION</u></td> <td>LOCATION 1</td> <td>LOCATION 2</td> <td><u>SEVERITY</u></td> <td><u>MEASUREMENT</u></td> <td><u>COMMENT</u></td>	BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE COLUMN REINFORCED CONCRETE DCATION 1 DCATION 2 HORIZONTAL CRACKS REINFORCED CONCRETE NTEGRAL CAST-IN-PLACE HORIZONTAL CRACKS TOP SEVERITY MEASUREMENT COMMENT HORIZONTAL CRACKS TOP SEVERITY MEASUREMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE H-PILE MEASUREMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT ASSOCIATED MONONENT MATELIAL CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT MATELIAL CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CONSTITUCN LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT VERTICAL CRACKS RANDOM CONDITION LOCATION 1	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE HORIZONTAL CRACKS INFORCED CONCRETE INFORMATION INF	COLUMN REINFORCED CONCRETE INTEGRAL CAST-IN-PLACE MEASUREMENT COMMENT HORIZONTAL CRACKS TOP FEW FEW COMMENT FOOTING CONDITION LOCATION1 LOCATION2 SEVERITY MEASUREMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT ABUTMENT-S LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL LOCATION1 LOCATION2 SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE MEASUREMENT COMMENT LIGHT FW VERTICAL CRACKS RANDOM LOCATION1 LOCATION2 SEVERITY MEASUREMENT COMMENT VERTICAL CRACKS REINFORCED CONCRETE CAST-IN-PLACE FW MEASUREMENT COMMENT UEACHING STEEL LOCATION1 LOCATION2 SEVERITY MEASUREMENT COMMENT STRAIGHT WINS LOCATION1 LOCATION2 SEVERITY	BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	SEVERITV	MF 4 SURFMENT	COMMENT
FOOTING REINFORCED CONCRETE CONDITION H-PILE LOCATION 1 SEVERITY MEASUREMENT COMMENT ABUTMENT-5 LA-30 DEGREES 37 FT 5 N REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION 2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION 2 SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CAST.IN-PLACE SEVERITY MEASUREMENT COMMENT LEACHING RANDOM CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT LEACHING RANDOM FEW FEW FEW COMMENT LIGHT COMMENT COMMENT LIGHT COMMENT COMMENT COMMENT COMMENT LIGHT COMMENT	FOOTING REINFORCED CONCRETE LOCATION I H-PILE LOCATION 2 SEVERITY MEASUREMENT COMMENT ABUTMENT-5 LA-30 DEGREES 37 FT S IN REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT ABUTMENT-5 LA-30 DEGREES 37 FT S IN REINFORCED CONCRETE INTEGRAL SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE ILIGHT LOCATION 1 LIGHT COMMENT BEAM CAP STEEL RANDOM RANDOM ELGCHTION 2 SEVERITY MEASUREMENT COMMENT VERTICAL CRACKS RANDOM EECATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT STRAIGHT WINGS REINFORCED CONCRETE CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS REINFORCED CONCRETE CAST-IN-PLACE FEW MEASUREMENT COMMENT DIAGONAL CRACKS<	COLUMN	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
ABUTMENT-5 LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION EVERITY MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE EVERITY MEASUREMENT COMMENT LEACHING RANDOM LIGHT FEW FEW FEW VERTICAL CRACKS RANDOM EVENTY MEASUREMENT COMMENT VERTICAL CRACKS RANDOM EVENTY MEASUREMENT COMMENT VERTICAL CRACKS RANDOM EVENTY MEASUREMENT COMMENT STRAIGHT WINGS STEEL HSHAPE EVENTY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT LOCATION 2 SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT FEW MINOR EVENTY MEASUREMENT COMMENT LEACHING THROUGHOUT WINOR FEW MINOR EVENTY MEASUREMENT COMMENT LEACHING <	ABUTMENT-5 LA-30 DEGREES 37 FT 5 IN REINFORCED CONCRETE INTEGRAL CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL CONSTRUCTION CONSTRUCTION CONSTRUCTION COMMENT BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE LIGHT LIGHT COMMENT VERTICAL CRACKS RANDOM LIGHT FW FW COMMENT VERTICAL CRACKS RANDOM EEST FW FW COMMENT PILING STEEL H-SHAPE FW FW COMMENT COMMENT STRAIGHT WINGS REINFORCED CONCRETE CAST-IN-PLACE EVERITY MEASUREMENT COMMENT DIAGONAL CRACKS REINFORCED CONCRETE CAST-IN-PLACE EVENTY MEASUREMENT COMMENT DIAGONAL CRACKS REINFORCED CONCRETE CAST-IN-PLACE EVENTY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT LOCATION 2 SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT MINOR WINOR FW MINOR </td <td>FOOTING</td> <td>REINFORCED CONCRETE</td> <td></td> <td></td> <td></td> <td></td>	FOOTING	REINFORCED CONCRETE				
CONDITION ASSOCIATED COMPONENT BEAM CAPLOCATION 1 MATERIAL CONSTRUCTION REINFORCED CONCRETELOCATION 2 CONSTRUCTION CONSTRUCTION CAST-IN-PLACESEVERITY MEASUREMENTMEASUREMENT COMMENTDEAM CAPCONDITION LEACHING VERTICAL CRACKSLOCATION 1 RANDOM VERTICAL CRACKSLOCATION 1 RANDOM STEELLOCATION 2 FEWSEVERITY FEWMEASUREMENT COMMENTPILINGSTEELH-SHAPE FEWCOMMENT FEWCOMMENT COMMENTSTRAIGHT WINGSREINFORCED CONCRETE REINFORCED CONCRETECAST-IN-PLACE FEWCOMMENT COMMENTDIAGONAL CRACKSREINFORCED CONCRETE LEACHINGCOATION 1 LOCATION 1 LOCATION 2SEVERITY REASUREMENT COMMENTMEASUREMENT COMMENTDIAGONAL CRACKSTHROUGHOUT THROUGHOUTFEW MINORCOMMENT FEWCOMMENT COMMENT**OTE vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.	CONDITION ASSOCIATED COMPONENT BEAM CAPLOCATION 1 MATERIAL CONSTRUCTION REINFORCED CONCRETELOCATION 2 CONSTRUCTION CAST-IN-PLACESEVERITYMEASUREMENTCOMMENTBEAM CAPREINFORCED CONCRETECAST-IN-PLACEILIGHTCOMMENTCOMMENTCOMMENTLEACHINGRANDOM VERTICAL CRACKSRANDOMILIGHTILIGHTCOMMENTVERTICAL CRACKSRANDOMFEWFEWCOMMENTPILINGSTEELH-SHAPEFEWCOMMENTCOMMENTSTRAIGHT WINGSREINFORCED CONCRETECAST-IN-PLACECOMMENTCOMMENTDIAGONAL CRACKSREINFORCED CONCRETECAST-IN-PLACEFEWCOMMENTCOMMENTDIAGONAL CRACKSTHROUGHOUTLOCATION 1LOCATION 2SEVERITYMEASUREMENTCOMMENTDIAGONAL CRACKSTHROUGHOUTLOCATION 1LOCATION 2SEVERITYMEASUREMENTCOMMENTBAGONAL CRACKSTHROUGHOUTLOCATION 1LOCATION 2SEVERITYMEASUREMENTCOMMENTBAGONAL CRACKSTHROUGHOUTLOCATION 1LOCATION 2SEVERITYMEASUREMENTCOMMENTBAGONAL CRACKSTHROUGHOUTKENVER VICUENCENCEFEWMINORVERVERVENCEVERVERVENCEEXENTEXENTINGTHROUGHOUTKENVERVENCEKENVERVENCEKENVERVENCEVERVENCEEXENTSEVERT SEVENTINGKENVERVENCEKENVERVENCEKENVERVENCEKENVERVENCEKENTKENTKENTKENVERVENCEKENVERVENCEKENVERVENCEKENVERVENCE <td></td> <td></td> <td></td> <td><u>SEVERITY</u></td> <td><u>MEASUREMENT</u></td> <td><u>COMMENT</u></td>				<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT LEACHING RANDOM LIGHT LIGHT COMMENT LIGHT COMMENT VERTICAL CRACKS RANDOM FEW FEW COMMENT LIGHT COMMENT PILING STEL H-SHAPE H-SHAPE COMMENT COMMENT COMMENT STRAIGHT WINGS REINFORCED CONCRETE CAST-IN-PLACE SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT LOCATION 2 SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT FEW MINOR COMMENT COMMENT COMMENT LEACHING VERTURDER ROUTES CLEARANCE INFORMATION*** **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance. **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance. SEVENTION	BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE CONDITION LOCATION I LOCATION 2 SEVERITY MEASUREMENT COMMENT LEACHING RANDOM LIGHT LIGHT COMMENT LIGHT COMMENT VERTICAL CRACKS RANDOM FEW	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PILINGSTEELH-SHAPECONDITIONLOCATION ILOCATION 2SEVERITYMEASUREMENTCOMMENTSTRAIGHT WINGSREINFORCED CONCRETECAST-IN-PLACE<	PILINGSTEELH-SHAPECONDITIONLOCATION 1LOCATION 2SEVERITYMEASUREMENTCOMMENTSTRAIGHT WINGSREINFORCED CONCRETECAST-IN-PLACECONDITIONLOCATION 1COMMENTCOMMENTDIAGONAL CRACKSTHROUGHOUTLOCATION 2SEVERITYMEASUREMENTCOMMENTDIAGONAL CRACKSTHROUGHOUTFEWMINORVVVVERTOURGHOUTFEWDIAGONAL CRACKSTHROUGHOUTFEWMINORVVVCOMMENTDIAGONAL CRACKSTHROUGHOUTFEWVVVVVEACHINGVVNINORVVVVVCOMMENTCONDITIONEACHINGVVVVVVVVCONDITIONNOTVV <td< td=""><td>BEAM CAP <u>CONDITION</u> LEACHING</td><td><u>LOCATION 1</u> RANDOM</td><td>CAST-IN-PLACE</td><td>LIGHT</td><td><u>MEASUREMENT</u></td><td><u>COMMENT</u></td></td<>	BEAM CAP <u>CONDITION</u> LEACHING	<u>LOCATION 1</u> RANDOM	CAST-IN-PLACE	LIGHT	<u>MEASUREMENT</u>	<u>COMMENT</u>
CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT THROUGHOUT FEW MINOR VINOR	CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT DIAGONAL CRACKS THROUGHOUT THROUGHOUT FEW MINOR V <td>PILING <u>CONDITION</u></td> <td>STEEL <u>LOCATION 1</u></td> <td>LOCATION 2</td> <td></td> <td><u>MEASUREMENT</u></td> <td><u>COMMENT</u></td>	PILING <u>CONDITION</u>	STEEL <u>LOCATION 1</u>	LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>
OVER/UNDER ROUTES CLEARANCE INFORMATION EARANCES OVER DECK **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.	***OVER/UNDER ROUTES CLEARANCE INFORMATION*** EARANCES OVER DECK **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.	<u>CONDITION</u> DIAGONAL CRAC	KS <u>LOCATION 1</u> KS		FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
VERTICAL CLEARANCE TYPE** VALUE DIRECTION DATE COMMENT			*NOTE: Vertical clearances for permitting purposes are taken a	as 2 inches less than the actual field measured clearance.	RANCE INFOI	RMATION***	

Page 6 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

December 28, 2022 1:54:51PM

1261

MODOT				Missouri Depar State Bridg	rtment of Tra ge Inspection	-		
COU	NTY: PHELPS		DISTRICT: CD	CLASS: STA		FED-ID	: 1041	BRIDGE: A126
<u>CLEARANCES UNDER BRII</u> <u>RECORD #</u> 1 <u>VERTICAL CLEARAN</u> ACTUAL	ROUTE IS 44 E NCE TYPE**	**NOTE: Vertical cl <u># LANES</u> 2 <u>VALUE</u> 16 FT 3 IN	earances for permitting purposes are to <u>DIRECTION OF TRAFF</u> 1-WAY TRAF <u>DIRECTION</u> <u>DA</u>	12 FT 7	CLEARANCE	LEFT LATERAL 12 FT		<u>UR-ID</u> 2446
RECORD # 2 VERTICAL CLEARAN ACTUAL	<u>ROUTE</u> IS 44 W NCE TYPE**	<u># LANES</u> 2 <u>VALUE</u> 17 FT 2 IN	DIRECTION OF TRAFF 1-WAY TRAF DIRECTION DA	12 FT 7		LEFT LATERAL 12 FT		<u>UR-ID</u> 2447
				***STRUC	TURE PAINT	INFORMATION*	**	
CONDITION:		RUST	AMOUNT :		STEEL TO	NS: 0		
<u>OF</u>	RIGINAL PAINT		<u>C</u>	ONTRACT REPAINT				DEPARTMENT
PAINT TYP			PAINT T			PAINT TY		
NAM PAINT COLO PAINT YEA MIL	DR : .R :		PAINT CO PAINT Y			NAM PAINT COLO PAINT YEA MI	DR : AR :	
				*** R E	QUESTED W	ORK ITEMS***		
GENERAL WORK COM	MENTS:							
<i>RESPONSIBILITY</i> DISTRICT SPECIAL	<i>LOCATIO</i> ROADWAY SU		<i>ITEM</i> SEAL WITH SILANE	<i>Category</i> Deck	PRIORITY 3	DATE WORK 09/21/2028	TITEM COMMENT	
						CHMENTS***		
UTILITY ELECTRIC ELECTRIC	OWNE	CR	<i>METHOD</i> CONDUIT ENCASED	<i>MEASUREMENT TYPE</i> DIAMETER DIAMETER	VALUE 3 IN 1.3 IN	NUMBER 1 1	UTILITY ATTACHN	<i>IENT COMMENT</i>
				***PROG	RAM NOTES	INFORMATION**	: *	
YEAR PROJECT # 2005 J9I0525	MONTH LET 8	<u>YEAR LET</u> 2005	<u>ITEMS</u> SUBSTRUCTURE REPAIR, '	WEARING SURFACE		<u>(</u>	<u>COMMENT</u>	
Design_No = a1261								

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

December 28, 2022 1:54:51PM

1261

NT REPAINT **MANUFACTURE : SURFACE PREP:**

MoDOT	Missouri Department of Transportation State Bridge Inspection Report				
	UNTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-ID: 1041	BRIDGE: A120
	COMPUTER GENI	ERATED RATINGS AND DE	EFICIENCY ITEMS		***ADVANCE
NOTE: The items listed in t	this section are updated wheneve	r computer edits are ran on a structur	re after the inspection updates have been entered in to TM	IS. SIGN #	SIGN TYPE
Rated Item		<u>Rating</u>	Rating Date	1	
[Item 67] Structure Evaluat	tion Rating: 5-BETT	ER THAN MINIMUM	2/22/2012		
[Item 68] Deck Geometry R	Rating: 4-MEETS M	INIMUM TOLERABLE	3/25/2002		
[Item 69] Underclearance:	5-BETT	ER THAN MINIMUM	1/26/2022		
Sufficiency Rating:		70.3%	2/22/2022		
Deficiency:	N	OT DEFICIENT	5/18/2001		
Funding Eligibility:					***OUTFALL INS
Estimated New Structure L	length:				
Estimated Structure Cost:				# OUTFALLS: 4	1
Estimated Total Project Co	st:			STATUS: PASS	
Year of Cost Estimate:				NOTES:	
generalized to use NBI items	NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.				

Page 8 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

December 28, 2022 1:54:51PM

261

ED SIGN INFORMATION*** PROBLEM

PROBLEM DIRECTION

SPECTION INFORMATION***

INSPECTOR: JESSE ELSEMAN **DATE:** 09/05/2017



COUNTY: PHELPS BRIDGE: A1261 2	REVIEW STATUS : APPROVED NBI STATUS : T				
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023				
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION				
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.104127Year Built1964106Year Reconstructed198442AType of Service OnHIGHWAY-PEDESTRIAN21Structure MaintenanceSTATE HIGHWAY AGENCY22Structure OwnerSTATE HIGHWAY AGENCY33Br. Median CodeNO MEDIAN37Historical SignificanceNOT ELIGIBLE FOR NR OF HP101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY112NBIS Bridge LengthYES	5ARecord TypeROUTE CARRIED 'ON' STRUCT5BRoute Signing PrefixMO5CDesignated Level of ServiceMAINLINE5DRoute Number0000E5EDirectional SuffixNOT APPLICABLE7Facility CarriedRT E S12Base Hwy. NetworkNO13ALRS Inventory Route No.20Toll StatusON FREE ROAD26Functional Classification16-URBAN MINOR ARTERIAL28ALanes on Structure02100STRAHNET DesignationRTE NOT A DEFENSE HWY104National Highway SystemNOT ON NHS105Faderal Lands HighwayNOT APPLICABLE				
	105 Federal Lands Highway NOT APPLICABLE 110 Designated Nat. Network NO				
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION				
4PlaceROLLA CITYCode629129LocationS 2 T 37 N R 8 W11Milepoint10.82 miles16Latitude37 D 57 M 22 S17Longitude91 D 46 M 55 S	29AADT1001130AADT Year2022102Direction of Traffic2-WAY TRAFFIC109AADT Truck Percent4%114Future AADT16018115Future AADT Year2042				
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION				
6 Features Intersected IS 44 42B Type of Service Under HIGHWAY 28B Lanes Under Structure 04 54A Vert. Clearance Ref. HIGHWAY 54B Vert. Clearance 16 Ft. 3 In. 55A Rt. Lat Clear Ref. HIGHWAY 55B Rt. Lat Clearance 12 Ft. 6 In. 56 Left Lat Clearance 12 Ft. 6 In. 38 Navigation Control N/A 39 Nav Vertical Clear 0 Ft. 0 In. 40 Nav Horizontal Clear 0 Ft. 0 In. 111 Nav. Cl. Vert. Clear	10Inventory Rte. Vert. Clear99 Ft. 99 In.19By pass Detour Length1.88 miles32Approach Roadway Width23 Ft. 11 In.34Skew30.00 Degrees35Struct. FlaredNO47Total Horiz. Clear29 Ft. 2 In.48Maximum Span Length66 Ft. 11 In.49Structure Length237 Ft. 10 In.50ALeft Curb/Sidewalk Width4 Ft. 7 In.50BRight Curb/Sidewalk Width0 Ft. 8 In.51Curb to Curb Br. Width27 Ft. 11 In.52Deck Width (Out-Out)35 Ft. 5 In.53Vert.Clearance Over Deck99 Ft. 99 In.				

Design_No = a1261

Page: 1



COUNTY: PHELPS BRIDGE: A1261 2 RECORD TYPE: ROUTE CARRIED 'ON' STRUCT	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load H 20 41 Structure Status OPEN NO RESTRICTIONS 63 Oper. Rating Meth. ALLOWABLE STRESS 64 Operating Rating 52 Tons. 65 Inventory Rating Meth ALLOWABLE STRESS 66 Inventory Rating 26 Tons. 70 Bridge Posting Code =>LEGAL LOADS	43A Main Struc. Mat type CONCRETE CONTINUOUS 43B Main struc Constr. Type SLAB 45 # of Main Spans 4 44A Appr Struc. Mat type 000 44B Appr Struc. Cnstr. type 000 46 # of Approach Span 0 107 Deck Mat/Constr. 1 CONCRETE CIP 108A Wear Surf Mat/Constr. 4 LOW SLUMP
PROPOSED IMPROVEMENT INFORMATION	108B Membrane Mat/Constr. 0 NONE
Sufficiency Rating 70.1 Percent Deficiency Rating NOT DEFICIENT Funding Eligibility	108C Deck Protect Mat/Constr. 0 NONE CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating 6
75B Work Done By	59 Superstructure Cond. Rating 6
76 New Struc Length 0 Ft. 0 In.	60 Substructure Cond. Rating 6
94 Struc Improve Cost \$ 0,000	61 Channel /Channel Protection Cond. Rating N
95 Roadway Improve Cost \$ 0,000 96 Total Project Cost \$ 0,000	62 Culvert Cond. Rating N
96 Total Project Cost \$ 0,000 97 Year of Cost Estimates 0	INSPECTION INFORMATION
	90 Gen. Insp Date 5 / 23
APPRAISAL RATING INFORMATION	Gen. Insp. Frequency 24 Months
36A Br. Rail App. Rating MEETS ACCEPTBLE STND	92A Frac. Critical Inspection N Months
36B Transition Rail App. Rating MEETS ACCEPTBLE STND	93A Frac. Critical Insp. Date
36C Approach Rail App. Rating MEETS ACCEPTBLE STND 36D Rail End Treat. App. Rating MEETS ACCEPTBLE STND	92B Underwater Inspection N Months
36D Rail End Treat. App. Rating MEETS ACCEPTBLE STND 67 Struc Eval App. Rating 5	93B Underwater Insp. Date 92C Special Inspection N Months
68 Deck Geometry App. Rating 4	93C Special Inspection Date
69 Underclearance App. Rating 5	BORDER BRIDGE INFORMATION
71 Waterway Adeq. App. Rating N	98 Neighboring State Code
72 Approach Road App. Rating 8	98B Neighboring State % Respon
113 Scour Assess App. Rating N	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-1	Field Posting Category S-1
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
NO POSTING REQUIRED	NO POSTING REQUIRED
Design_No = a1261	
Page:	2



COUNTY: PHELPS BRIDGE: A1261 2 RECORD TYPE: 1 RTE THAT GOES 'UNDER' S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION
IStateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.104127Year Built1964106Year Reconstructed042AType of Service OnHIGHWAY-PEDESTRIAN21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY	5ARecord Type1 RTE THAT GOES 'UNDER' SCode : A5BRoute Signing PrefixIS5CDesignated Level of ServiceMAINLINE5DRoute Number000445EDirectional SuffixNOT APPLICABLE7Facility CarriedRT E S12Base Hwy. Network13ALRS Inventory Route No.20Toll StatusON FREE ROAD26Functional Classification11-UR PRNCPL ARTERIAL-IS28ALanes on Structure02100STRAHNET DesignationON A DEFENSE HWY
112 NBIS Bridge Length	104 National Highway System ON NHS 105 Federal Lands Highway 110 Designated Nat. Network YES
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION
4 Place ROLLA CITY Code 62912 9 Location S 2 T 37 N R 8 W 11 Milepoint 186.74 miles 16 Latitude 37 D 57 M 22 S 17 Longitude 91 D 46 M 55 S	29AADT1691330AADT Year2022102Direction of Traffic1-WAY TRAFFIC109AADT Truck Percent37%114Future AADT115Future AADT Year
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION
6Features IntersectedIS 4442BType of Service UnderHIGHWAY28BLanes Under Structure0254AVert. Clearance Ref.54BVert. Clearance55ARt. Lat Clear Ref.55BRt. Lat Clearance56Left Lat Clearance38Navigation Control39Nav Vertical Clear40Nav Horizontal Clear111Nav. Pier Protection116Nav. Cl. Vert. Clear	10Inventory Rte. Vert. Clear16 Ft. 3 In.19By pass Detour Length0.00 miles32Approach Roadway Width34Skew35Struct. Flared47Total Horiz. Clear29 Ft. 2 In.48Maximum Span Length66 Ft. 11 In.49Structure Length237 Ft. 10 In.50ALeft Curb/Sidewalk Width51Curb to Curb Br. Width52Deck Width (Out-Out)53Vert.Clearance Over Deck

Design_No = a1261

Page: 1



COUNTY :PHELPSBRIDGE :A1261 2RECORD TYPE :1 RTE THAT GOES 'UNDER' S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type CONCRETE CONTINUOUS
31 Design Load 41 Structure Status	43AMain Strue. Mat typeCONCRETE CONTINUOUS43BMain strue Constr. TypeSLAB
63 Oper. Rating Meth.	
64 Operating Rating	45 # of Main Spans 44A Appr Struc. Mat type
65 Inventory Rating Meth	44B Appr Struc. Cnstr. type
66 Inventory Rating	46 # of Approach Span
70 Bridge Posting Code	107 Deck Mat/Constr.
PROPOSED IMPROVEMENT INFORMATION	108A Wear Surf Mat/Constr.
Sufficiency Rating	108B Membrane Mat/Constr.
Deficiency Rating	108C Deck Protect Mat/Constr.
Funding Eligibility	CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating
75B Work Done By	59 Superstructure Cond. Rating
76 New Struc Length	60 Substructure Cond. Rating
94 Strue Improve Cost	61 Channel /Channel Protection Cond. Rating
95 Roadway Improve Cost	62 Culvert Cond. Rating
96 Total Project Cost	
97 Year of Cost Estimates	INSPECTION INFORMATION
APPRAISAL RATING INFORMATION	90 Gen. Insp Date
	91 Gen. Insp. Frequency
36A Br. Rail App. Rating	92A Frac. Critical Inspection
36B Transition Rail App. Rating 36C Approach Rail App. Rating	93A Frac. Critical Insp. Date 92B Underwater Inspection
36D Rail End Treat. App. Rating	93B Underwater Insp. Date
67 Struc Eval App. Rating	92C Special Inspection
68 Deck Geometry App. Rating	93C Special Inspection Date
69 Underclearance App. Rating	
71 Waterway Adeq. App. Rating	BORDER BRIDGE INFORMATION
72 Approach Road App. Rating	98 Neighboring State Code
113 Scour Assess App. Rating	98B Neighboring State % Respon
	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category	Field Posting Category
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
Design_No = a1261	
Page:	2
Page:	۷



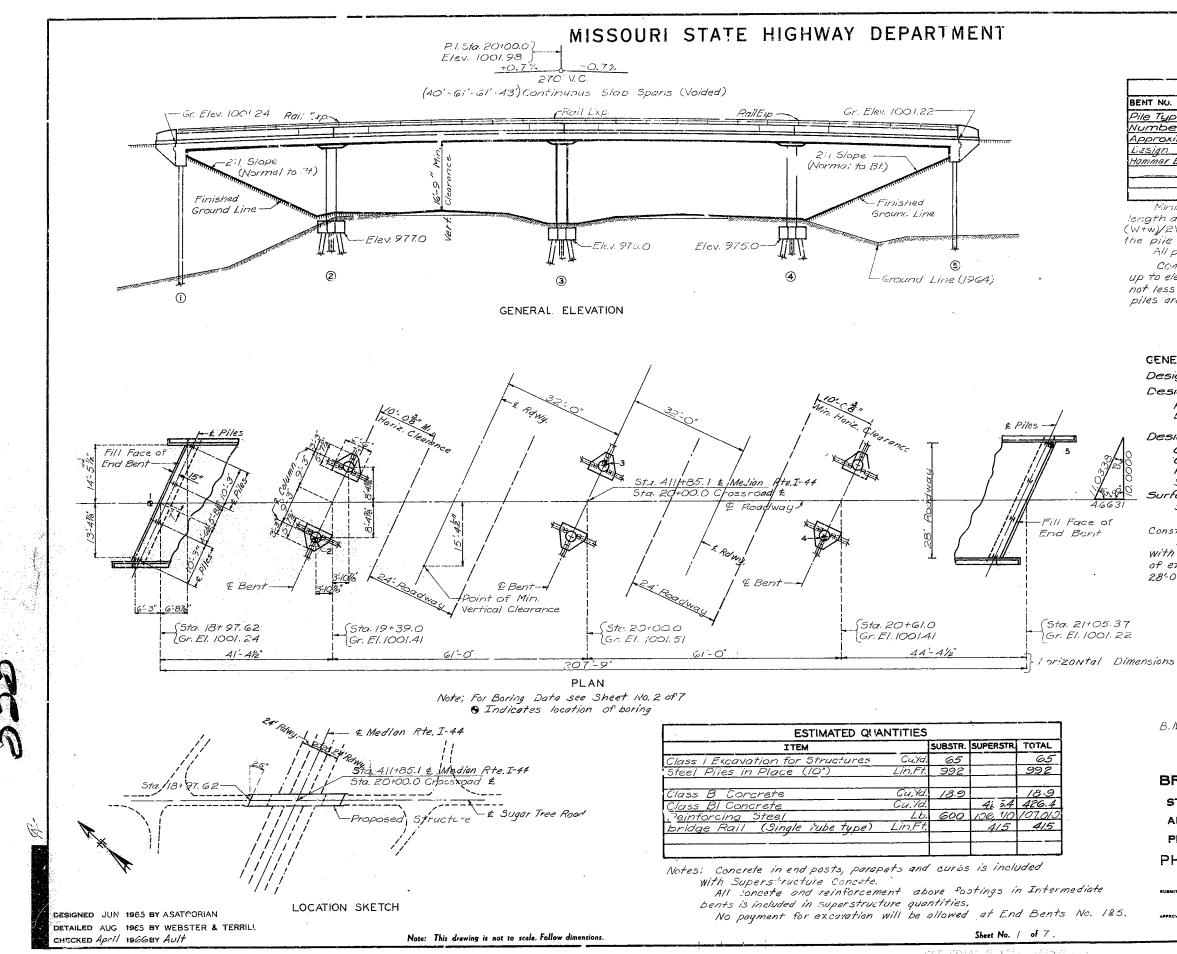
COUNTY :PHELPSBRIDGE :A1261 2RECORD TYPE :2ND RTE THAT GOES 'UNDR'S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.104127Year Built1964106Year Reconstructed042.AType of Service OnHIGHWAY-PEDESTRIAN21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY112NBIS Bridge Length	5ARecord Type2ND RTE THAT GOES 'UNDR'S Code : B5BRoute Signing PrefixIS5CDesignated Level of ServiceMAINLINE5DRoute Number000445EDirectional SuffixNOT APPLICABLE7Facility CarriedRT E S12Base Hwy. Network
	110 Designated Nat. Network YES
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION
4 Place ROLLA CITY Code 62912 9 Location S 2 T 37 N R 8 W 11 Milepoint 108.12 miles 16 Latitude 37 D 57 M 22 S 17 Longitude 91 D 46 M 55 S	29AADT1863730AADT Year2022102Direction of Traffic1-WAY TRAFFIC109AADT Truck Percent29%114Future AADT115Future AADT Year
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION
6Features IntersectedIS 4442BType of Service UnderHIGHWAY28BLanes Under Structure0254AVert. Clearance Ref.54BVert. Clearance55ARt. Lat Clear Ref.55BRt. Lat Clearance56Left Lat Clearance38Navigation Control39Nav Vertical Clear40Nav Horizontal Clear111Nav. Pier Protection116Nav. Cl. Vert. Clear	10Inventory Rte. Vert. Clear17 Ft. 2 In.19By pass Detour Length0.00 miles32Approach Roadway Width34Skew35Struct. Flared47Total Horiz. Clear29 Ft. 2 In.48Maximum Span Length66 Ft. 11 In.49Structure Length237 Ft. 10 In.50ALeft Curb/Sidewalk Width51Curb to Curb Br. Width52Deck Width (Out-Out)53Vert.Clearance Over Deck

Design_No = a1261

Page: 1



COUNTY :PHELPSBRIDGE :A1261 2RECORD TYPE :2ND RTE THAT GOES 'UNDR'S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type CONCRETE CONTINUOUS
31 Design Load 41 Structure Status	43A Main Struc. Mat type CONCRETE CONTINUOUS 43B Main struc Constr. Type SLAB
63 Oper. Rating Meth.	45 # of Main Spans
64 Operating Rating	44A Appr Struc. Mat type
65 Inventory Rating Meth	44B Appr Struc. Cnstr. type
66 Inventory Rating	46 # of Approach Span
70 Bridge Posting Code	107 Deck Mat/Constr.
PROPOSED IMPROVEMENT INFORMATION	108A Wear Surf Mat/Constr.
Sufficiency Rating	108B Membrane Mat/Constr.
Deficiency Rating	108C Deck Protect Mat/Constr.
Funding Eligibility	CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating
75B Work Done By	59 Superstructure Cond. Rating
76 New Struc Length	60 Substructure Cond. Rating
94 Struc Improve Cost	61 Channel /Channel Protection Cond. Rating
95 Roadway Improve Cost	62 Culvert Cond. Rating
96 Total Project Cost	INSPECTION INFORMATION
97 Year of Cost Estimates	
APPRAISAL RATING INFORMATION	90 Gen. Insp Date
36A Br. Rail App. Rating	91 Gen. Insp. Frequency 92A Frac. Critical Inspection
36B Transition Rail App. Rating	93A Frac. Critical Insp. Date
36C Approach Rail App. Rating	92B Underwater Inspection
36D Rail End Treat. App. Rating	93B Underwater Insp. Date
67 Struc Eval App. Rating	92C Special Inspection
68 Deck Geometry App. Rating	93C Special Inspection Date
69 Underclearance App. Rating	
71 Waterway Adeq. App. Rating	BORDER BRIDGE INFORMATION
72 Approach Road App. Rating	98 Neighboring State Code 98B Neighboring State % Respon
113 Scour Assess App. Rating	98B Neighboring State % Respon 99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category	Field Posting Category
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
Design_No = a1261	
Page:	2



SEE FINAL PLATE LADO

FED. ROAD		FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAT	NO,	SHEETS
5	мо.		19	157	

PILE DATA							
SENT NU.	1	ż	3	4	5		
Pile Type and size	IOBP42	IOBP42	IOB+42	IOBP42	IOBP42		
Number-	4	6	6	6	4		
Approximate Length Ft	52	32	32	32	52		
Lesign Bearing Tons.	29	55	55	55	31		
tommer Energy required Ft. LB	1:000	13,000	13,000	13,000	7,000		
					,		
	1						

Minimum energy requirement of hammer based on plan length and design bearing value of piles. Increase by the factor (W+w)/2W when the weight of the ram (W) is less than the weight of the pile (w).

All pile shall be driver, to prac ical refusal.

Compacted roodway fill (fill roads y width) shall be placed up to elevation of bottom of concrete beam in front of and not less than 25'-0" in back of End Bents before steel piles are driven for End Bents No.s. 185

GENERAL NOTES:

Design Specifications: A.A.S.H.O. - 1961

Design Locding

H15-44 (15 \$ Sa.ft. Future Wearing Surface) Earth 120 \$ Equivalent Fluid Pressure 30 \$

Design Unit Stresses:

Class B Concrete (substructure) fc=1,200 psi Class Bl Concrete (superstructure) fc=1,600 psi Reinforcing Steel fs=20,000 psi Steel Pile (A.S.T.M. A36-627) &= 9,000 p3i

Surface Seal:

Superstructure deck to be surface sealed.

Construction Clearance:

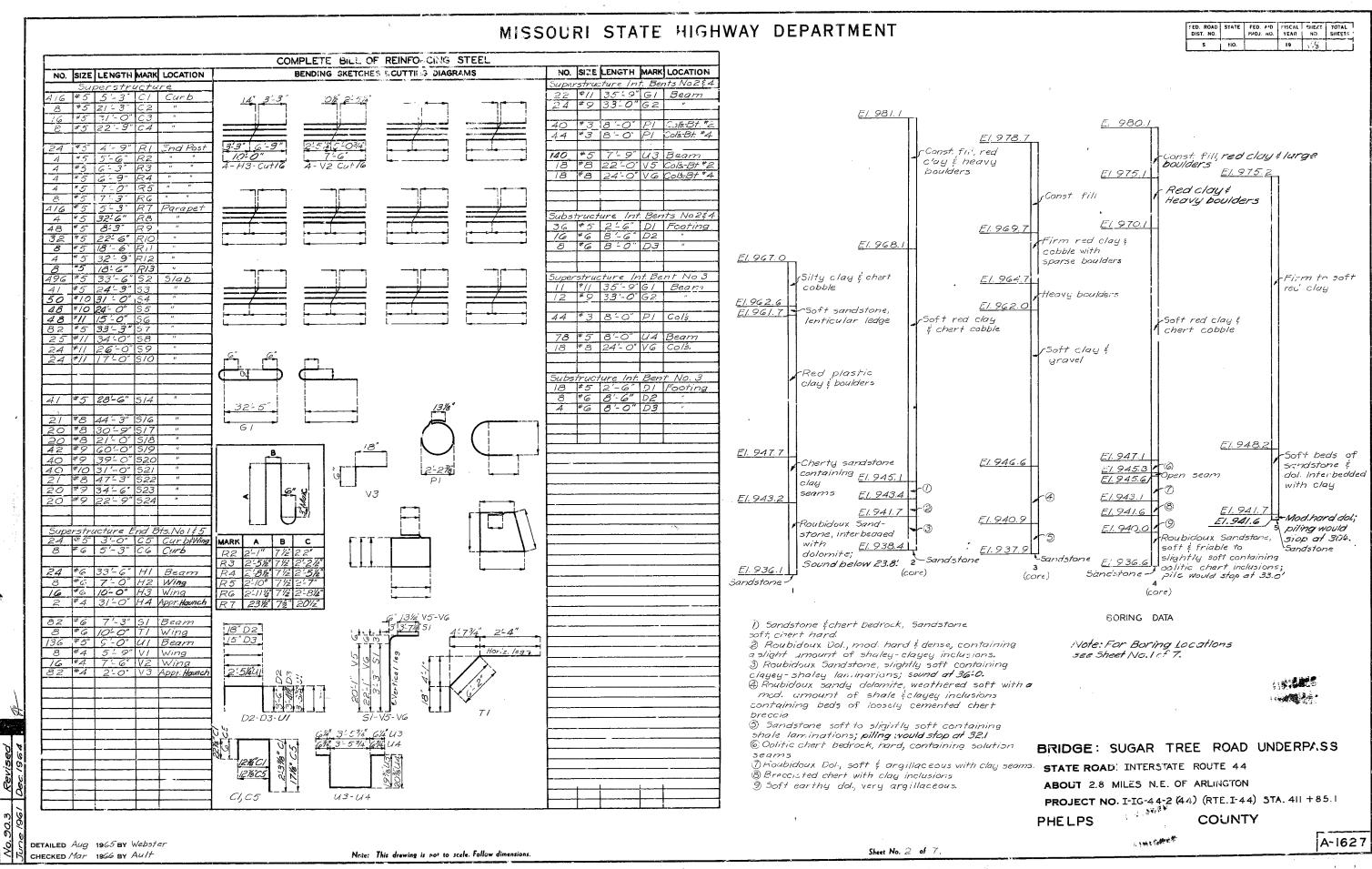
Falsework over existing lones shall be constructed with a minimum vertical clearance of 13-6" from crown of existing lanes and a minimum lateral clearance of 28'-0" centered on existing lones.

B.M. Eler. 967.67 [] on N.E. Cor. of N. hdw!!., 122' Lt. Sta. 410+25, U.S.G.S. Datum.

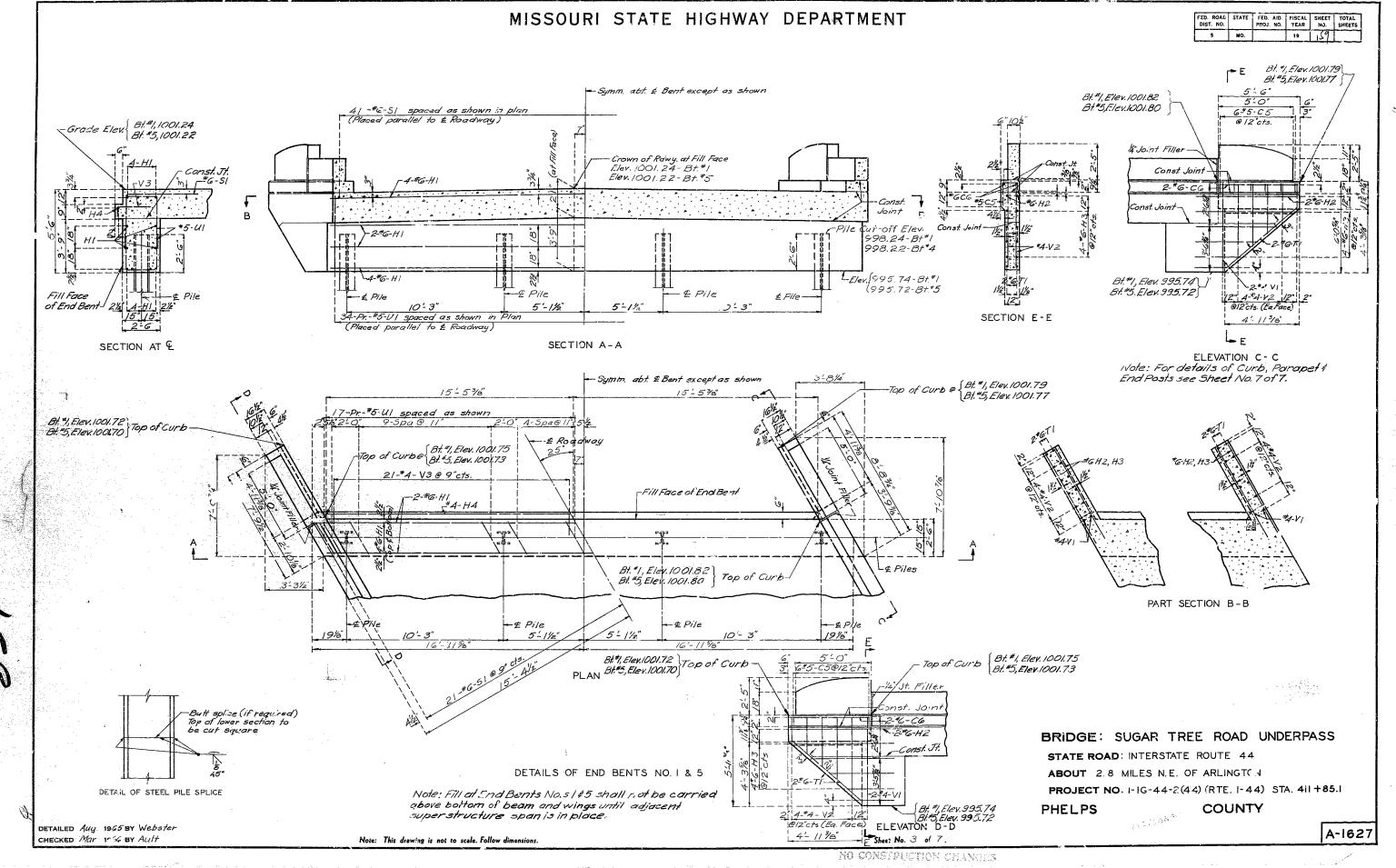
· sais Comp

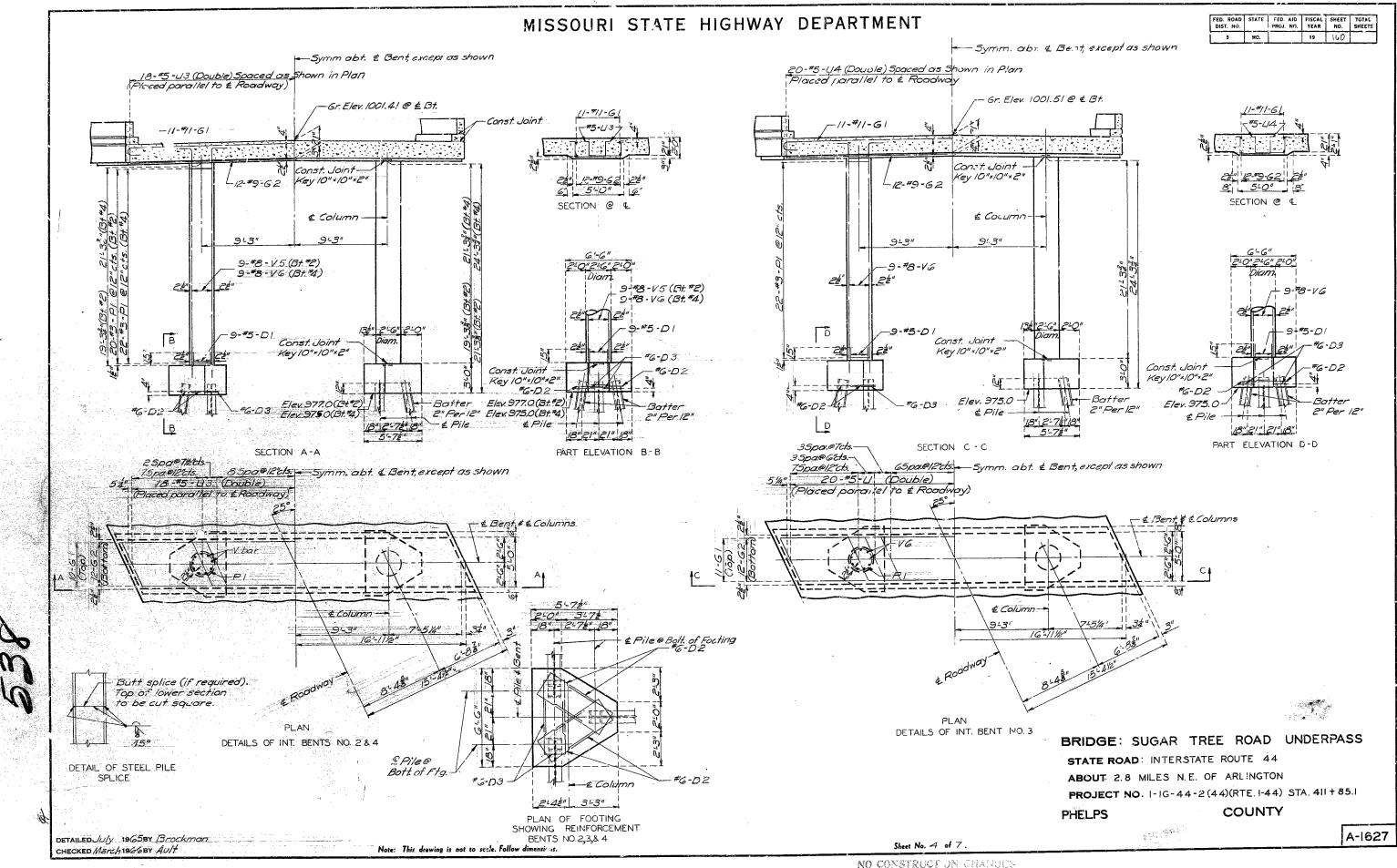
· 注意是是是不能的第三人

BRIDGE: SUGAR TREE ROAD UNDERPAS	SS						
STATE ROAD: INTERSTATE ROUTE 44							
ABOUT 2.8 MILES N.E. OF ARLINGTON							
PROJECT NO. I-IG-44-2 (44) (RTE. I-44) STA. 411 +85.1							
PHELPS COUNTY							
SUBMITTED BY DTB DOLLARS DATE 6/9/66							
APPREVED BY M. Anider DATE 6/9/66	STD.54.00						
APPROVED BY	A-1627						

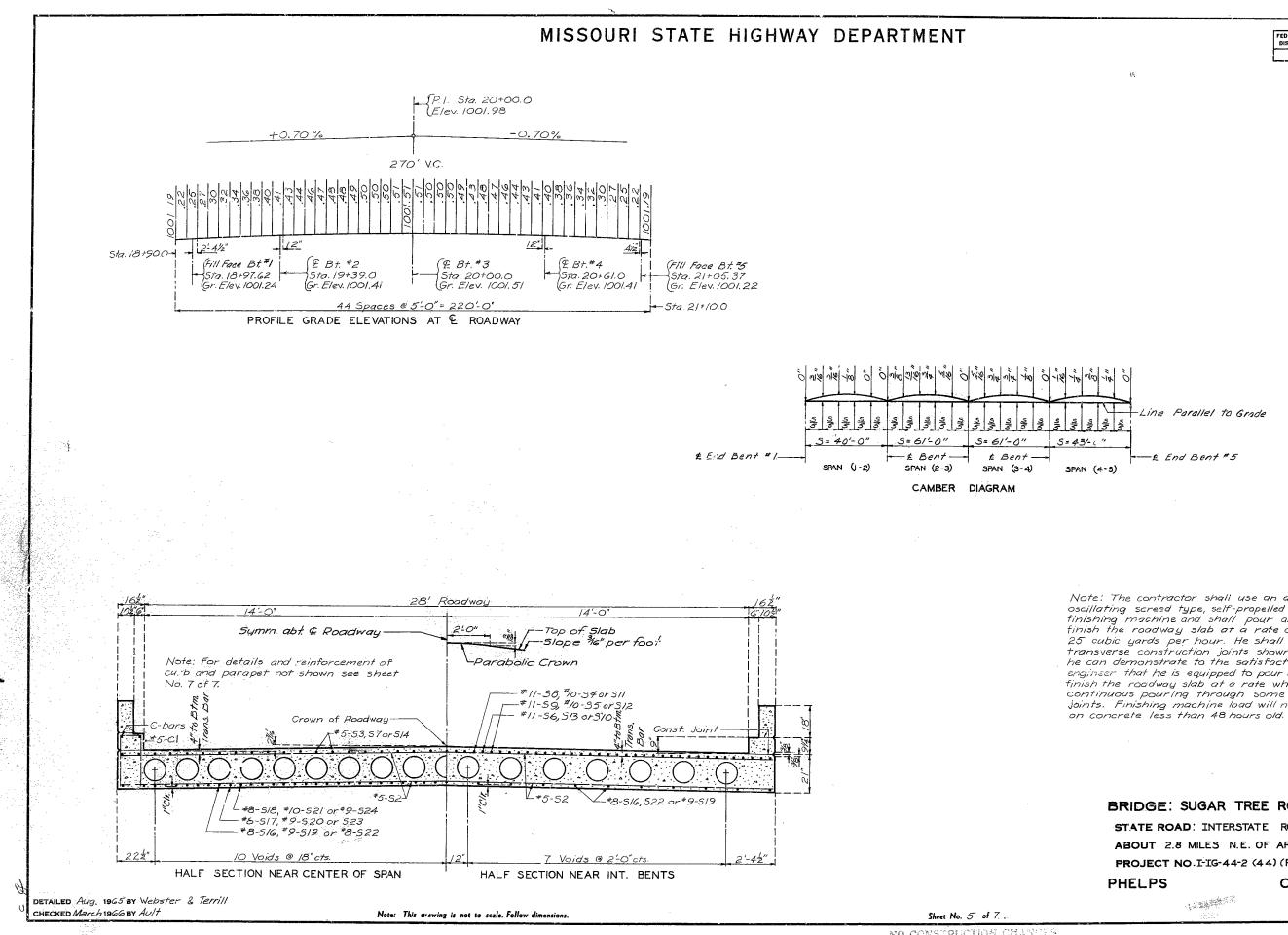


- 1 - A





FED. ROAD DIST. NO.		FED. AID PROJ. NO.		SHEET NO.	TOTAL SHEETS
5	NO.		19	160	



NO CONSTRUCTION CHANCES

ſ

FED. A DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	161	

Note: The contractor shall use an approved oscillating screed type, self-propelled mechanical finishing machine and shall pour and satisfactorily finish the roadway slab at a rate of not less than 25 cubic yards per hour. He shall observe the transverse construction joints shown on plans unless he can demonstrate to the satisfaction of the engineer that he is equipped to pour and satisfactorily finish the roadway slab at a rate which will permit a continuous pouring through some or all of these Joints. Finishing machine load will not be permitted

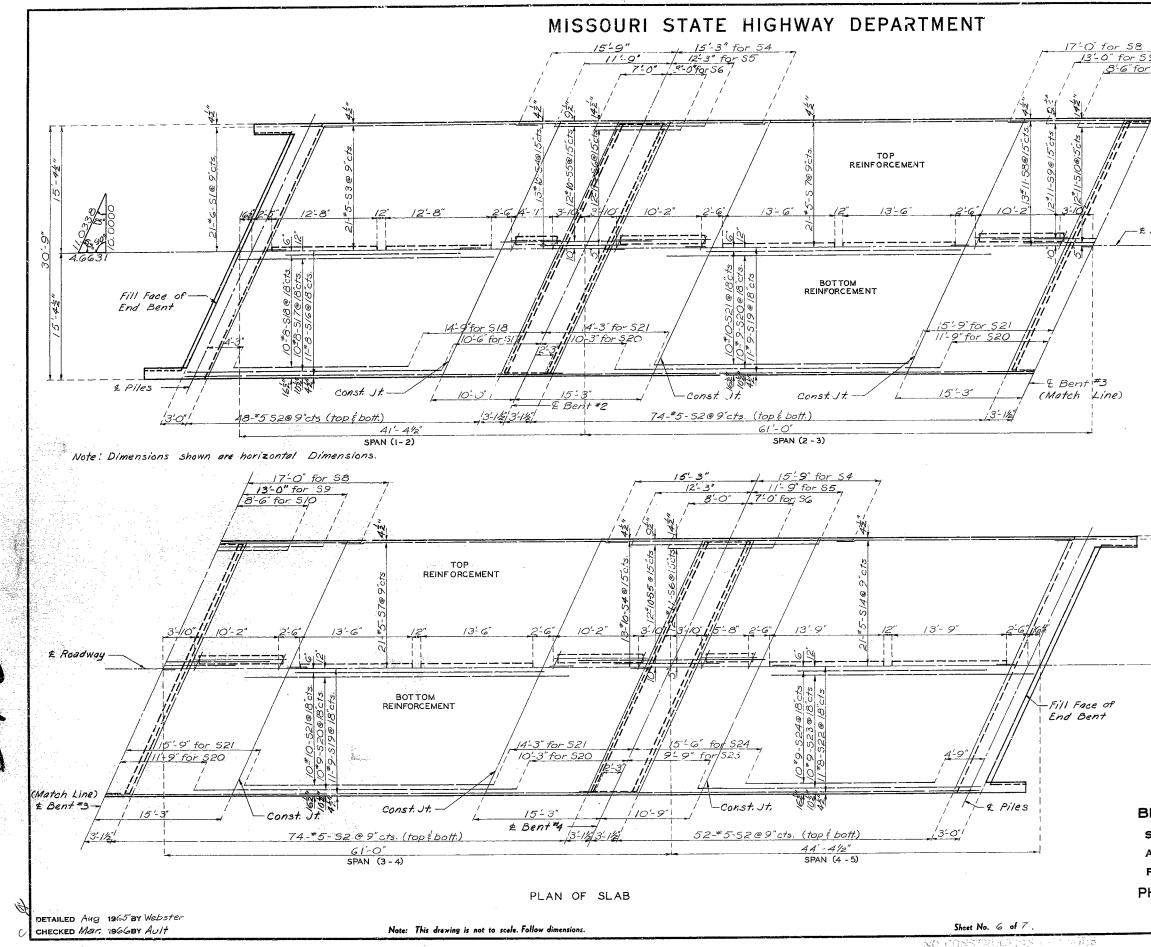


A-1627

BRIDGE: SUGAR TREE ROAD UNDERPASS STATE ROAD: INTERSTATE ROUTE 44 ABOUT 2.8 MILES N.E. OF ARLINGTON

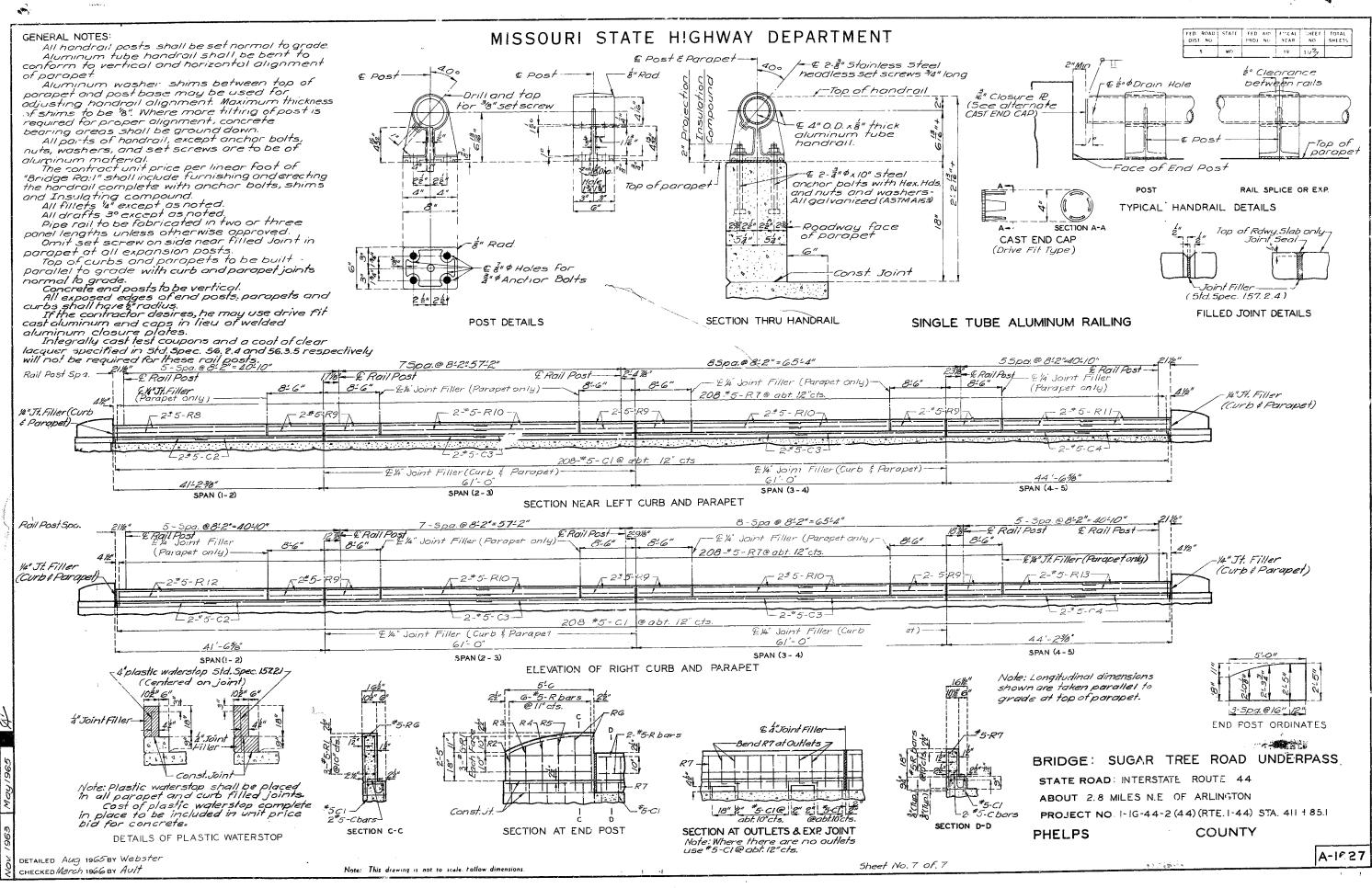
PROJECT NO.I-IG-44-2 (44) (RTE. I-44) STA. 411 +85.1

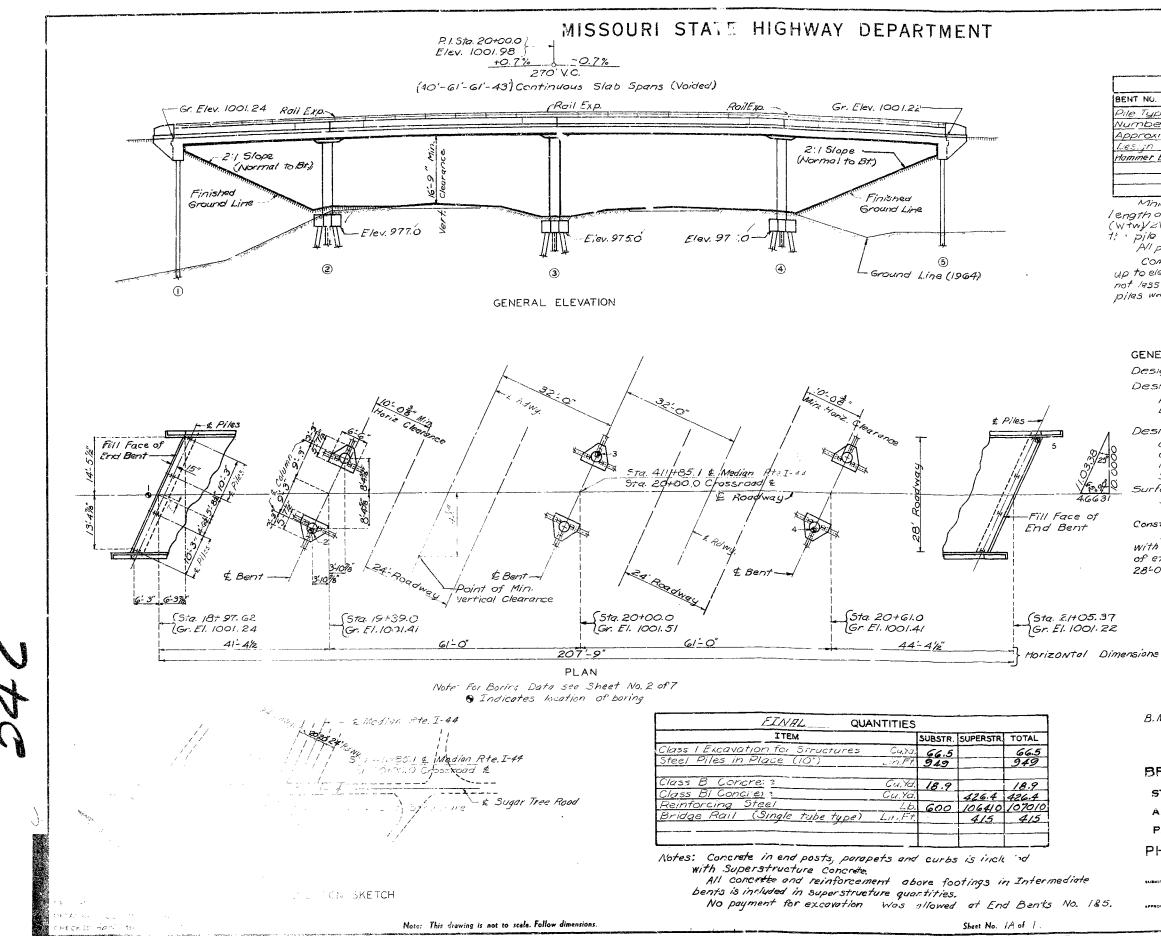
COUNTY



NO CONSTRUCTORS -

	FED. ROAD STATE FED. AID FISCAL SHEET TOTAL DIST. NO. PROJ. NO. YEAR NO. SHEETS
59 7	5 MO. 19 16-7
pr 510	
/	- 12" Dia. Void
4	
/	
	^若 な <u>Wa</u> をpho/s DETAIL OF WEEPHOLE IN VOIDS
t Readinger	Note: One ³ 4 th weephole shall be provided hear each end
e Roadway	ot each void. Weepholes shall be placed in straight
	lines par allel to bents.
	Finish each side of Joint with $\frac{1}{2}$ radius equina tool and
	fill flush with Joint seal
	rkey to extend full width
	DETAILS OF SLAB CONSTRUCTION
	JOINT KEY
44	Note: Fibre tubes for producing voids
	shall have on outside diameter of 12.0" and a wall thickness of 0.225" and shall
c/5	be anchored to joists carring the floor from at not more than 4-0" centers. See
<u>6</u> 9°c	Special Provisions for metal tube alternate for voids.
2/*6-5/0	$17\frac{3}{2}(\pi_{10})$
2/*	(curb and)
	parapet only) / - Outside face of curb
	E Bent
	DETAIL OF CURB
	SUGAR TREE ROAD UNDERPASS
	AD: INTERSTATE ROUTE 44 8 MILES N.E. OF ARLINGTON
	NO. I-IG-44-2(44) (RTE. I-44) STA. 411+85.1
PHELPS	COUNTY
	A-1627
	and the second





110 004	<u>s.</u>	FED AL	,CAL	SHFF
DIST NO	1.			
DIST NO		807 N	YLAP	NO
	+			·
	I NO		1 9	

PILE	DATA	-			
BENT NU.	ł	2	3	4	5
Pile Type and size	IOBP42	108P42	IJBP42	IOBP92	IOBP42
Number	4	6	6	6	4
Approximate Length Ft		32		32	52
Lesin Henry Tons	29	55	55	55	3/
Hommer Energy requires Ft. LBS	7000	13,000	13,00C	13,000	7,000
			· · · · · · · · · · · · · · · · · · ·		
	1				

Minimum energy requirement of harnmer based or length and design bearing value of piles, increase by (Wtw)/2W where the weight of the ram (W) is less than t t: · pile (w).

All pile were driven to practical refusal Compacted roadway fill (fill roadway width) was

up to elevation of bottom of concrete beam in fron not less than 25-0" in bock of End Bents before piles were driven for Erid Bents Nos. 185

GENERAL NOTES

Design Specifications: A.A.S.HO - 1961 Design Loading

H15-44 (15"154 ft. Future Wearing Surface) Earth 120 # Equivalent Fisid Pressure 30#

Design Unit Stresses:

Class B Concrete (substructure) fc=1,200 psi Class BI Concrete (superstructure) fc=1,600psi Reinforcing Steel fs= 20,000 psi Steel Pile (A.S.T.M. A36. 627) &= 9,000 psi

Surface Seal Supersitucture deck Was surface sealed

Construction Clearance:

Folsework over existing lones Was constructed with a minimum vertical clearance of 13-6" from crown of existing lanes and a minimum lateral clearance of 28-0" centered on existing lanes.

B. M. Bolt on top Lt. Wing Bt #5 Sta 21+05.35 @ Elex 1001.76

BRIDGE: SUGAR TREE ROAD UNDERPASS

STATE ROAD: INTERSTATE ROUTE 44 · MISHES ABOUT 2.8 MILES N.E. OF ARLINGTON

PROJECT NO. I-IG-44-2 (44) (RTE. I-44) STA. 411+85.1 PHELPS

COUNTY

APPROVEC BY TU - Juit Engineer	DATE 6, 7/66	A-1627
	10/11	STD. 54.00
SUBMITTED BY DTB Jentans	DATE 6,9/66	

MODOT				Department of T	-	
	COUNTY, DUELDO	DIGTDICT. CD		Bridge Inspection	-	DDIDCE, A10
	COUNTY: PHELPS	DISTRICT: CD		S: STATBR	FED-ID: 1320	
ROUTE: (~DD04006	***GENERAL STRUCTU # SPANS: 4	RE INFORMATION		CODE: 01918 ARLINGTON	***BR
FEATURE: 1		LANES ON: 2			DATE: 05/22	
STATUS: A		LANES UNDER: 4			NGTH: 208 FT 0 IN SPAN: 61 FT 0 IN	FREQUENCY: 24 TEAM LEADER: JOE
LOG MILE: 4		COMPASS DIRECTION: N	ORTH to SOUTH	APPROACH ROAL		INSPECTOR 2:
DETOUR: 4	4.00 MILES	DIRECTION OF TRAFFIC: 2-	WAY TRAF	CURB TO	CURB: 28 FT 0 IN	INSPECTOR 3:
NHS: N		FUNCTIONAL CLASS: R			OUT: 30 FT 8 IN	** When calculated inter
BUILT: 1	1966	NBI OWNER: M			AADT: 262	
REHAB:	58 T 37 R 9 W	NBI MAINTAINED: M MAINTENANCE DISTRICT: C			YEAR: 2022 RUCK: 10.7%	¥
	37 56 36.86 (DMS)	MAINTENANCE DISTRICT: CI MAINTENANCE COUNTY: PI			AADT: 393	
	91 56 11.40 (DMS)	SUBAREA: 71		FUTURE AADT		
	(2002)		,			
	FRACTURE CRI	TICAL INSPECTION INFOR	MATION			***INDEPTH INSPECT
DATE:	RESPON	SIBILITY:	CATEGORY:		DATE:	RESPONSIBILITY:
FREQUENCY:	CALCULATED INT		NBI:		FREQUENCY:	CALCULATED INTERVAL**:
TEAM LEADER:		PECTOR 3:	METHOD:		TEAM LEADER:	INSPECTOR 3:
INSPECTOR 2:	INSP	PECTOR 4:			INSPECTOR 2:	INSPECTOR 4:
** When calculated int	erval exceeds the frequency, a justi	ification comment per BIRM is required	1.		** When calculated interval exc	ceeds the frequency, a justification com
		RITICAL INSPECTION COMM	MENTS			INDEPTH INSPE
	SPECIAL	INSPECTION INFORMATIO	N			***UNDERWATER INSPE
DATE:	RESPONS	SIBILITY:	CATEGORY:		DATE:	RESPONSIBILITY
FREQUENCY:	CALCULATED INT		NBI:		FREQUENCY:	CALCULATED INTERVAL**
TEAM LEADER: INSPECTOR 2:		ECTOR 3: ECTOR 4:	METHOD:		TEAM LEADER: INSPECTOR 2:	INSPECTOR 3: INSPECTOR 4:
** When calculated into	erval exceeds the frequency, a justif	fication comment per BIRM is required	l.		** When calculated interval ex	xceeds the frequency, a justification con
	SPECIA	L INSPECTION COMMENTS				UNDERWATER INSP
DATE FREQU		R SPECIAL INSPECTIONS <u>NBI</u> <u>CALCULATED INTERVAL</u>	<u>RESPONSIBILITY</u>	METHOD	DATE FREQUENCY	OTHER UNDERW <u>CATEGORY</u> <u>NBI</u> CA
Design_No = a1627						

Page 1

September 07, 2023 1:27:03PM

627

RIDGE INSPECTION INFORMATION* RESPONSIBILITY: DISTRICT** 22/2023 CALCULATED INTERVAL**: 24 GREEN ELEMENT: NO **INSPECTOR 4:**

erval exceeds the frequency, a justification comment per BIRM is required. GENERAL INSPECTION COMMENTS

TION INFORMATION***

CATEGORY: NBI: **METHOD:**

mment per BIRM is required.

ECTION COMMENTS

ECTION INFORMATION***

CATEGORY: NBI: **METHOD:**

omment per BIRM is required.

SPECTION COMMENTS

ATER INSPECTIONS ALCULATED INTERVAL RESPONSIBILITY

METHOD

MoDOT State Bridge Inspection Report					September 07, 2023 1:27:03PM		
COUNTY: PHELPS	DISTRICT: CD)	CLASS: STATBR		D-ID: 1320	BRIDGE: A1627	
			***STRU	CTURE POSTING**	*		
APPROVED CATEGORY: S-1	NO POSTING REQUIRED						
Ton 1: COMMENTS:	Ton 2:		Ton 3:				
FIELD CATEGORY: S-1 Ton 1: COMMENTS:	NO POSTING REQUIRED Ton 2:		Ton 3:	PROBLEM:		PROBLEM DIRECTION:	
				IENTS/MAJOR RATI	ED ITEMS***		
GENERAL COMMENTS: (BOWDEJ1, 08/21/2008))(41'-61'-61'-44') CONT CONC D	ECK GDR SPANS	5				
[ITEM 58] DECK: 6-SATIS RATING: 05/18/20		COMMENTS	6: (RACKEM, 11/04/2011)	CRACK, LEACH, PATCH	I.		
[ITEM 59] SUPER: 6-SATIS RATING: 05/18/20		COMMENTS	6: (RACKEM, 11/04/2011)	CRACK, LEACH, PATCH	Ι.		
[ITEM 60] SUB: 7-GOO RATING : 05/18/20		COMMENTS	6: (RACKEM, 11/04/2011)	CRACK, LEACH			
	[ITEM 61] BANK/CHANNEL: N-NOT APPLIC NO WATRWAYCOMMENTS:RATING: 05/18/2001COMMENTS:						
[ITEM 113] SCOUR: N-NOT RATING : 05/18/20 EVALUATION TYPE :		COMMENTS	5:				
[ITEM 71] WATERWAY ADEQUACY: NOT AI RATING: 05/18/20		COMMENTS	5:				
[ITEM 72] APPRRDWY ALIGNMENT: 8-VERY RATING: 05/18/20		COMMENTS	3:				
		RAILING	AND APPROACH PA	AVEMENT COMPON	NENTS AND RAT	FINGS	
[ITEM 36A] BRIDGE RAILING RATING: D	OESNT MEET CURRNT STND-0		RATING: 11/30/2009	COMMENTS:			
<u>MATERIAL</u> Control REINFORCED CONCRETE Control	<u>ONSTRUCTION</u> CURB	<u>DIRECTION</u> BOTH	<u>COMMENTS</u>				
CONDITION DETERIORATION REINFORCED CONCRETE	UCATION I VERTICAL JOIN PARAPET		LOCATION 2	<u>SEVERITY</u> MINOR	<u>COMMENT</u>		
CONDITION SPALLS	<u>LOCATION 1</u> BOTTOM		LOCATION 2	<u>Severity</u> Moderate	<u>COMMENT</u>		
ALUMINUM CI	RCULAR TUBE	BOTH					
[ITEM 36B] TRANSITION RAILING RATING: M	EETS CURRENT STANDARDS-1		RATING: 10/17/2007	COMMENTS:			
	<u>ONSTRUCTION</u> BEAM TO W-BEAM	<u>DIRECTION</u> ALL	<u>COMMENTS</u>				
Design_No = a1627				Page 2		licy and procedure manual on the Sunshine Act before releasing	

MODOT				Missouri Departmen	-			
				State Bridge Ins	pection Repor			
	UNTY: PHELPS		RICT: CD	CLASS: STATBR		FED-ID: 1320	BRID	GE: A16
. ,	CH RAILING RATING:			RATING: 05/18/2001	COMMENTS:			
<u>MATERIA</u>		<u>CONSTRUCTION</u>	<u>DIRECTIO</u>	<u>N</u> <u>COMMENTS</u>				
GALVANIZED S	SIEEL	W-BEAM	ALL					
[ITEM 36D] RAIL END	TREATMENT RATING:	MEETS CURRENT STA	NDARDS-1	RATING: 10/17/2007	COMMENTS:			
<u>MATERIA</u>		<u>CONSTRUCTION</u>	<u>DIRECTIO</u>	<u>N</u> <u>COMMENTS</u>				
GALVANIZED S	STEEL BF	REKAWAY SYSTEM	ALL					
APPRO	ACH PAVEMENT: *Ove	erall condition assigned f	For each approach pavement	et component is shown below.				
<u>MATERIA</u>	<u>L</u>	CONSTRUCTION	DIRECTION	CONDITION*	<u>COMMENTS</u>			
ASPHALT	ГВ	ITUMINOUS MAT	BOTH	FAIR	(OTTINM, 11/07	7/2013)FEW CRACKS, Se	OME RUTTING.	
		**	*DRAINACE EXPA	NSION DEVICES, BANI	Z/SLOPF AND	DECK PROTECTIV	F COMPONENT	FC** *
DECK PROTECTIVE COM								
<u>SERIES TYPE-#</u>	<u>COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTIO</u>		<u>CKNESS</u> <u>YEAR APPL</u>	LIED <u>MANUFACT</u>	<u>'URE</u>
MAIN SERIES-1	WEARING SURFA		EPOXY POLYMER	EPOXY POLYME	2 <i>R</i>	.2 IN 1992		
	(OTTINM, 11/07/2013)				~~~~~~~~			
	<u>DNDITION</u>	LOCATION I	<u></u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>		
	AP CRACKS PATCHES	RANDOM RANDOM			FEW FEW			
-								
	DECK PROTECTI	ON	POLYMER	IMPREGNATEI)			
<u>COMMENT:</u>								
	MEMBRANE		LIQUID SEALANT	BUILT-UP				
COMMENT:			~					
	SECONDARY DECK PRO	DTECTION	LIQUID SEALANT	INTERNALLY SEAL	LED	2020	PAVON INDI	ECK
<u>COMMENT:</u>								
DRAINAGE COMPONENT	<u>.</u> S.							
	<u>COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTIO</u>	N D	IRECTION COMM	ENTS	
				<u>eensineenre</u>	<u> </u>			
EXPANSION DEVICE CON SUB UNIT-# S		C <u>omponent</u>	MATER	RIAL CO	<u>ONSTRUCTION</u>	GAP	<u>YEAR APPLIED</u>	MANUFA
<u></u> <u>-</u>	<u></u>							
<u>COMMENT:</u>								
BANK/SLOPE PROTECTIC								
	<u>COMPONENT</u> BANK PROTECTIO		<u>MATERIAL</u> EARTH FILL	<u>CONSTRUCTIO</u> BERM	<u>DN</u> <u>D</u>	<u>IRECTION</u> <u>COMM</u> BOTH	<u>ENTS</u>	
C	BANK PROTECTION DNDITION	LOCATION		BERM LOCATION 2	<u>SEVERITY</u>	COMMENT		
	ERODING	THROUGHOU			<u>SEVERITT</u> MINOR		/2017)SOUTH ABU	Г
-						(, , , , , , , , , , , , , , , , , ,	.,	
Design_No = a1627								
					Page 3			

Page 3 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

1627

OVERALL CONDITION FAIR

FACTURE

OVERALL CONDITION

			-	partment of Trans	-	
COUNT	Y: PHELPS	DISTRICT: CD	CLASS: S	0	FED-ID: 1320	BRIDGE: A16
			;	***DECK COMPON	NENTS***	
<u>SPAN TYPE-#</u> MAIN SPANS-1	<u>COMPONENT</u> DECK	<u>MATERIAL</u> REINFORCED CONO			<u>COMMENTS</u> (OTTINM, 11/07/2013)WA	TER STANDS / WBL
<i>MAIN SPANS-2</i> <u>Condita</u> Othe Patch	R	<i>REINFORCED CONG <u>LOCATION 1</u> RANDOM RANDOM</i>	CRETE CAS LOCATION 2	<i>T-IN-PLACE</i> <u>Severity</u> NOT APPLICA FEW		<u>COMMENT</u> (GREENA2, 05/26/2021)PONDING W
<i>MAIN SPANS-3</i> <u>Condita</u> Patch		<i>REINFORCED CONG</i> <u>LOCATION 1</u> RANDOM	CRETE CAS LOCATION 2	<i>T-IN-PLACE</i> <u>Severity</u> Few	<u>Y MEASUREMENT</u>	<u>COMMENT</u>
<i>MAIN SPANS-4</i> <u>Condita</u> Patch		<i>REINFORCED CONG <u>LOCATION 1</u> RANDOM</i>	CRETE CAS LOCATION 2	<i>T-IN-PLACE</i> <u>Severity</u> Few	<u>Y MEASUREMENT</u>	<u>COMMENT</u>
SERIES TYPE-#	SPAN TYPE	MATERIAL		ERSTRUCTURE CO	OMPONENTS*** LABEL	COMMENTS
MAIN SERIES-1 SPAN MAIN SPANS-1 <u>CONDIT</u> DELAMINA LEACHI LONGITUDINA	TION NG			<i>IDED SLAB</i> <u>MMENTS</u> <u>SEVERITY</u> FEW LIGHT FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-2 <u>CONDIT</u> DELAMINA LEACHII TRANSVERSE VERTICAL C	TTON NG OVER CRACKS	E 61 FT 0 IN <u>LOCATION 1</u> RANDOM INTERMEDIATE BENT RANDOM INTERMEDIATE BENT	NO <i>LOCATION 2</i>	<u>SEVERITY</u> FEW MINOR FEW FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-3 <u>CONDIT</u> DELAMINA LEACHII VERTICAL C	TION NG OVER	E 61 FT 0 IN <u>LOCATION 1</u> RANDOM INTERMEDIATE BENT INTERMEDIATE BENT	NO <u>LOCATION 2</u>	<u>SEVERITY</u> FEW MINOR FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-4 <u>CONDITI</u> DELAMINA		TE 44 FT 5 IN LOCATION 1 RANDOM	NO <u>LOCATION 2</u>	<u>Severity</u> few	<u>MEASUREMENT</u>	<u>COMMENT</u>
			SU	BSTRUCTURE CO	MPONENTS	
	<u>SKEW</u> <u>LEN</u>	GTH MATERIAL	CONSTRUC			

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 07, 2023 1:27:03PM

1627

G WATER SPAN 2 & 3

OOT			Missouri Department of Tran	-		
			State Bridge Inspection F	Report		
	NTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-I	D: 1320	BRIDGE: A16
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATI</u>	<u>ED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	,	REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	LEACHING	RANDOM		MINOR		
	VERTICAL CRACKS	RANDOM		FEW		
PILING		STEEL	H-SHAPE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
TURNED B	ACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-2	LA-25 DEGREES 33 F	T 11 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
DENT-2	CONDITION	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATI	ED COMPONENT	MATERIAL	CONSTRUCTION	<u>SEV EMITI</u>	MERIOUREMENT	COMMENT
COLUMN	<u>ED COMI ONENI</u>	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
COLUMIN	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
	HORIZONTAL CRACKS	TOP	LOCATION 2	FEW	MEASUREMENT	COMMENT
FOOTING	HORIZON IAL CRACKS	REINFORCED CONCRETE	H-PILE	FEW		
roonno	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
	CONDITION	LUCATION I	LOCATION 2	<u>SLVLKIII</u>	MLASUKLMLNI	COMMENT
BENT-3		T 11 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	HORIZONTAL CRACKS	ТОР		FEW		(GREENA2, 05/26/202
FOOTING		REINFORCED CONCRETE	H-PILE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-4	LA-25 DEGREES 33 F	T 11 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATI</u>	<u>ED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	HORIZONTAL CRACKS	ТОР		FEW		(GREENA2, 05/26/202
FOOTING		REINFORCED CONCRETE	H-PILE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-5	LA-25 DEGREES 33 F	T 11 IN REINFORCED CONCRETE	INTEGRAL			
ADOTMENT-J	CONDITION	LOCATION 1	LOCATION 2	SEVERITY	<u>MEASUREMENT</u>	COMMENT
ASSOCIATI	ED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>	<u>SLV LRITT</u>	MLASCREMENT	COMMENT
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
DEAM CAI	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
			LOCATION 2		MLASUKLMLINI	COMMENT
	LEACHING	RANDOM		MINOR		
PILING	VERTICAL CRACKS	RANDOM STEEL	H-SHAPE	FEW		
FILING	CONDITION	STEEL LOCATION 1	H-SHAPE LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
				<u>SEFERITI</u>	<u>MEASUKEMENI</u>	<u>UIMMENT</u>
I UKNED B	ACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE	CE L/EDITV	MEACHDEMENT	COMMENT
	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	CUMINIEINI

Design_No = a1627

Page 5 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 07, 2023 1:27:03PM

1627

2021)--DID NOT SEE 2021

2021)--DID NOT SEE 2021

MoDOT		uri Department of Trai tate Bridge Inspection 1	-		
COUNTY: PHELPS		ASS: STATBR	FED-ID: 1320	BRIDGE: A1627	
	rtical clearances for permitting purposes are taken as 2 inches less th <u>DIRECTION</u> <u>DATE</u> <u>COMM</u>	han the actual field measured clearance.			
CLEARANCES UNDER BRIDGE**NOTE: VerRECORD #ROUTE1IS 44 E2VERTICAL CLEARANCE TYPE**ACTUAL17 FT 6 IN	trical clearances for permitting purposes are taken as 2 inches less the constraint of the second se	LATERAL CLEARANCE 10 FT 0 IN	LEFT LATERAL CLEARANCE 10 FT 0 IN	<u>UR-ID</u> 3092	
RECORD #ROUTE2IS 44 W2IS 44 W2IS 44 W2IS 6 T 5 IN	ES <u>DIRECTION OF TRAFFIC</u> <u>RIGHT</u> 1-WAY TRAF <u>DIRECTION</u> <u>DATE</u> <u>COMM</u>	LATERAL CLEARANCE 10 FT 0 IN IENT	<u>LEFT LATERAL CLEARANCE</u> 10 FT 0 IN	<u>UR-ID</u> 3093	
		***STRUCTURE PAINT I			
	RUST AMOUNT :	STEEL TONS	5:0		
<u>ORIGINAL PAINT</u> PAINT TYPE :	<u>CONTRACT REP</u> PAINT TYPE :	<u>AINT</u>	PAINT TYPE :	<u>DEPARTMENT REPAINT</u> MANUFACTURE :	
NAME :	NAME :		NAME :	SURFACE PREP :	
PAINT COLOR : PAINT YEAR :	PAINT COLOR : PAINT YEAR :		PAINT COLOR : PAINT YEAR :		
MILS :	MILS :		MILS :		
		REQUESTED WO	RK ITEMS		
GENERAL WORK COMMENTS:		***REQUESTED WO	RK ITEMS***		
GENERAL WORK COMMENTS:RESPONSIBILITYLOCATIONDISTRICT SPECIALROADWAY SURFACE		***REQUESTED WO TEGORY PRIORITY DECK 3	DATE WORK ITEM COMMENT 07/06/2023		
RESPONSIBILITY LOCATION		TEGORY PRIORITY	DATE WORK ITEM COMMENT 07/06/2023		
RESPONSIBILITY LOCATION		TEGORY PRIORITY DECK 3 ***UTILITY ATTAC	DATE WORK ITEM COMMENT 07/06/2023	IENT COMMENT	
RESPONSIBILITYLOCATIONDISTRICT SPECIALROADWAY SURFACE	SEAL DECK WITH IN DECK E	TEGORY PRIORITY DECK 3 ***UTILITY ATTAC	DATE WORK ITEM COMMENT 07/06/2023 EHMENTS*** NUMBER UTILITY ATTACHM	IENT COMMENT	

Septem	ber	07,	2023
	1:2	27:0	3PM

1627

	D
2	

ENT REPAINT

MoDOT		Missouri Department of Transport State Bridge Inspection Repor				
COUNTY: PHEI	LPS DISTRICT: CD	CLASS: STATBR	FED-ID: 1320	BRIDGE: A162		
YEAR PROJECT # MONTH	<u>LET YEAR LET ITEMS</u>		<u>COMMENT</u>			
COMP	***COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS ***ADVAN					
NOTE: The items listed in this section are u	updated whenever computer edits are ran on a structure	e after the inspection updates have been entered in to TMS.	SIGN #	SIGN TYPE		
Rated Item	Rating	Rating Date	1			
[Item 67] Structure Evaluation Rating:	5-BETTER THAN MINIMUM	3/25/2002				
[Item 68] Deck Geometry Rating:	6-EQ TO PRESENT MIN CRITR	6/10/2019				
[Item 69] Underclearance:	4-MEETS MINIMUM TOLERABLE	1/26/2022				
Sufficiency Rating:	82.4%	1/26/2022				
Deficiency:	NOT DEFICIENT	3/25/2002				
Funding Eligibility:				***OUTFALL INS		
Estimated New Structure Length:			# OUTDALLS			
Estimated Structure Cost:			# OUTFALLS:	11		
Estimated Total Project Cost:			STATUS:			
Year of Cost Estimate:			NOTES:			
NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.						

Page 7 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 07, 2023 1:27:03PM

627

ED SIGN INFORMATION*** PROBLEM

PROBLEM DIRECTION

SPECTION INFORMATION***

INSPECTOR: DATE:

MODOT	Г		Missouri Department of T	Transportation	
			State Bridge Inspection	on Report	
	COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-ID: 1320	BRIDGE: A162

Page 8 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 07, 2023 1:27:03PM

1627



COUNTY :PHELPSBRIDGE :A1627 RRECORD TYPE :ROUTE CARRIED 'ON' STRUCT	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.132027Year Built1966106Year Reconstructed042AType of Service OnHIGHWAY21Structure MaintenanceSTATE HIGHWAY AGENCY22Structure OwnerSTATE HIGHWAY AGENCY33Br. Median CodeNO MEDIAN37Historical SignificanceNOT ELIGIBLE FOR NR OF HP101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY112NBIS Bridge LengthYES	5ARecord TypeROUTE CARRIED 'ON' STRUCT5BRoute Signing PrefixCRD5CDesignated Level of ServiceMAINLINE5DRoute Number084905EDirectional SuffixNOT APPLICABLE7Facility Carried8490 S12Base Hwy. NetworkNO13ALRS Inventory Route No.20Toll StatusON FREE ROAD26Functional Classification09-RURAL LOCAL28ALanes on Structure02100STRAHNET DesignationRTE NOT A DEFENSE HWY104National Highway SystemNOT ON NHS105Federal Lands HighwayNOT APPLICABLE
	Iterational Lands Inglivery 110 Designated Nat. Network NO
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION
4PlaceARLINGTONCode019189LocationS 8 T 37 N R 9 W11Milepoint4.49 miles16Latitude37 D 56 M 37 S17Longitude91 D 56 M 11 S	29AADT26230AADT Year2022102Direction of Traffic2-WAY TRAFFIC109AADT Truck Percent11%114Future AADT393115Future AADT Year2042
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION
6Features IntersectedIS 4442BType of Service UnderHIGHWAY28BLanes Under Structure0454AVert. Clearance Ref.HIGHWAY54BVert. Clearance16 Ft. 5 In.55ARt. Lat Clear Ref.HIGHWAY55BRt. Lat Clearance9 Ft. 10 In.56Left Lat Clearance9 Ft. 10 In.38Navigation ControlN/A39Nav Vertical Clear0 Ft. 0 In.40Nav Horizontal Clear0 Ft. 0 In.111Nav. Pier ProtectionIn.116Nav. Cl. Vert. Clear	10Inventory Rte. Vert. Clear99 Ft. 99 In.19By pass Detour Length3.75 miles32Approach Roadway Width23 Ft. 11 In.34Skew25.00 Degrees35Struct. FlaredNO47Total Horiz. Clear27 Ft. 11 In.48Maximum Span Length61 Ft. 0 In.49Structure Length208 Ft. 0 In.50ALeft Curb/Sidewalk Width0 Ft. 0 In.50BRight Curb/Sidewalk Width0 Ft. 0 In.51Curb to Curb Br. Width27 Ft. 11 In.52Deck Width (Out-Out)30 Ft. 10 In.53Vert.Clearance Over Deck99 Ft. 99 In.

Design_No = a1627

Page: 1



COUNTY: PHELPS BRIDGE: A1627 R RECORD TYPE: ROUTE CARRIED 'ON' STRUCT	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load H 15 41 Structure Status OPEN NO RESTRICTIONS 63 Oper. Rating Meth. ALLOWABLE STRESS 64 Operating Rating 43 Tons. 65 Inventory Rating Meth ALLOWABLE STRESS 66 Inventory Rating 22 Tons. 70 Bridge Posting Code =>LEGAL LOADS	43AMain Struc. Mat typeCONCRETE CONTINUOUS43BMain struc Constr. TypeSLAB45# of Main Spans444AAppr Struc. Mat type00044BAppr Struc. Cnstr. type00046# of Approach Span0107Deck Mat/Constr.1 CONCRETE CIP108AWear Surf Mat/Constr.5 EPOXY OVERLAY
Sufficiency Rating 82.4 Percent	108B Membrane Mat/Constr. 1 BUILT UP
Deficiency Rating NOT DEFICIENT Funding Eligibility	108C Deck Protect Mat/Constr. 6 POLYMER CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating 6
75B Work Done By	59 Superstructure Cond. Rating 6
76 New Struc Length 0 Ft. 0 In. 94 Struc Improve Cost \$ 0,000	60 Substructure Cond. Rating 7
94 Struc Improve Cost \$ 0,000 95 Roadway Improve Cost \$ 0,000	61 Channel /Channel Protection Cond. Rating N 62 Culvert Cond. Rating N
96 Total Project Cost \$ 0,000	
97 Year of Cost Estimates 0	INSPECTION INFORMATION
APPRAISAL RATING INFORMATION	90 Gen. Insp Date 5 / 23
	91 Gen. Insp. Frequency 24 Months 92A Frac. Critical Inspection N Months
36A Br. Rail App. Rating DOES NOT MEET ACCEPT STND 36B Transition Rail App. Rating MEETS ACCEPTBLE STND	92A Frac. Critical Inspection N Months 93A Frac. Critical Insp. Date Sector Sector Sector
36C Approach Rail App. Rating MEETS ACCEPTBLE STND	92B Underwater Inspection N Months
36D Rail End Treat. App. Rating MEETS ACCEPTBLE STND	93B Underwater Insp. Date
67 Struc Eval App. Rating 5	92C Special Inspection N Months
68 Deck Geometry App. Rating 6	93C Special Inspection Date
69 Underclearance App. Rating 4	BORDER BRIDGE INFORMATION
71 Waterway Adeq. App. Rating N	98 Neighboring State Code
72 Approach Road App. Rating 8 113 Scour Assess App. Rating N	98B Neighboring State % Respon
113 Scour Assess App. Rating N	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-1	Field Posting Category S-1
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
NO POSTING REQUIRED	NO POSTING REQUIRED
Design_No = a1627	
Page:	2



COUNTY:PHELPSBRIDGE:A1627 RRECORD TYPE:2ND RTE THAT GOES 'UNDR'S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023		
	KONDATE: SOLATINE LINU		
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION		
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.132027Year Built1966106Year Reconstructed042AType of Service OnHIGHWAY21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY	5ARecord Type2ND RTE THAT GOES 'UNDR'S Code : B5BRoute Signing PrefixIS5CDesignated Level of ServiceMAINLINE5DRoute Number000445EDirectional SuffixNOT APPLICABLE7Facility Carried8490 S12Base Hwy. NetworkI13ALRS Inventory Route No.20Toll StatusON FREE ROAD26Functional Classification01-RU PRINCIPL ARTRIAL-IS28ALanes on Structure02100STRAHNET DesignationON A DEFENSE HWY		
112 NBIS Bridge Length	104 National Highway System ON NHS		
	105 Federal Lands Highway 110 Designated Nat. Network		
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION		
4 Place ARLINGTON	29 AADT 16698		
Code 01918	30 AADT Year 2022		
9 Location S 8 T 37 N R 9 W	102 Direction of Traffic 1-WAY TRAFFIC		
11 Milepoint 117.29 miles	109 AADT Truck Percent 44%		
16 Latitude 37 D 56 M 37 S	114 Future AADT		
17 Longitude 91 D 56 M 11 S	115 Future AADT Year		
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION		
6 Features Intersected IS 44	10 Inventory Rte. Vert. Clear 16 Ft. 5 In.		
42B Type of Service Under HIGHWAY	19 By pass Detour Length 0.00 miles		
28B Lanes Under Structure 02	32 Approach Roadway Width		
54A Vert. Clearance Ref.	34 Skew		
54B Vert. Clearance	35 Struct. Flared		
55A Rt. Lat Clear Ref.	47 Total Horiz. Clear 27 Ft. 11 In.		
55B Rt. Lat Clearance	48 Maximum Span Length 61 Ft. 0 In.		
56 Left Lat Clearance	49 Structure Length 208 Ft. 0 In.		
38 Navigation Control	50A Left Curb/Sidewalk Width		
39 Nav Vertical Clear	50B Right Curb/Sidewalk Width		
40 Nav Horizontal Clear	51 Curb to Curb Br. Width		
111 Nav. Pier Protection	52 Deck Width (Out-Out)		
116 Nav. Cl. Vert. Clear	53 Vert.Clearance Over Deck		

Design_No = a1627

Page: 1



COUNTY: PHELPS BRIDGE: A1627 R	REVIEW STATUS : APPROVED NBI STATUS : T				
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023				
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION				
31 Design Load 41 Structure Status 63 Oper. Rating Meth. 64 Operating Rating 65 Inventory Rating Meth 66 Inventory Rating 70 Bridge Posting Code PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating Deficiency Rating Funding Eligibility 75A Proposed Work 75B Work Done By 76 New Struc Length	43A Main Strue. Mat type CONCRETE CONTINUOUS 43B Main strue Constr. Type SLAB 45 # of Main Spans 44A Appr Strue. Mat type 44B 44B Appr Strue. Cnstr. type 46 # of Approach Span 107 Deck Mat/Constr. 108A Wear Surf Mat/Constr. 108B Membrane Mat/Constr. 108C Deck Protect Mat/Constr. CONDITION RATING INFORMATION 58 Deck Cond. Rating 59 Superstructure Cond. Rating 60 0 h is strue 0 h D h is				
94 Struc Improve Cost	60 Substructure Cond. Rating 61 61 Channel /Channel Protection Cond. Rating				
95 Roadway Improve Cost 96 Total Project Cost 97 Year of Cost Estimates	62 Culvert Cond. Rating INSPECTION INFORMATION				
APPRAISAL RATING INFORMATION	90 Gen. Insp Date 91 Gen. Insp. Frequency				
 36A Br. Rail App. Rating 36B Transition Rail App. Rating 36C Approach Rail App. Rating 36D Rail End Treat. App. Rating 67 Struc Eval App. Rating 68 Deck Geometry App. Rating 	92AFrac. Critical Inspection93AFrac. Critical Insp. Date92BUnderwater Inspection93BUnderwater Insp. Date92CSpecial Inspection93CSpecial Inspection Date				
69 Underclearance App. Rating	BORDER BRIDGE INFORMATION				
71 Waterway Adeq. App. Rating 72 Approach Road App. Rating 113 Scour Assess App. Rating	98 Neighboring State Code 98B Neighboring State % Respon 99 Neighboring State Struc. No.				
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION				
Approved Posting Category Ton1 Ton2 Ton3	Field Posting Category Ton1 Ton2 Ton3				
Tonnage Values for Posting Sign General Text for Posting Sign	Tonnage Values for Posting Sign General Text for Posting Sign				
Design_No = a1627					
Page:	2				



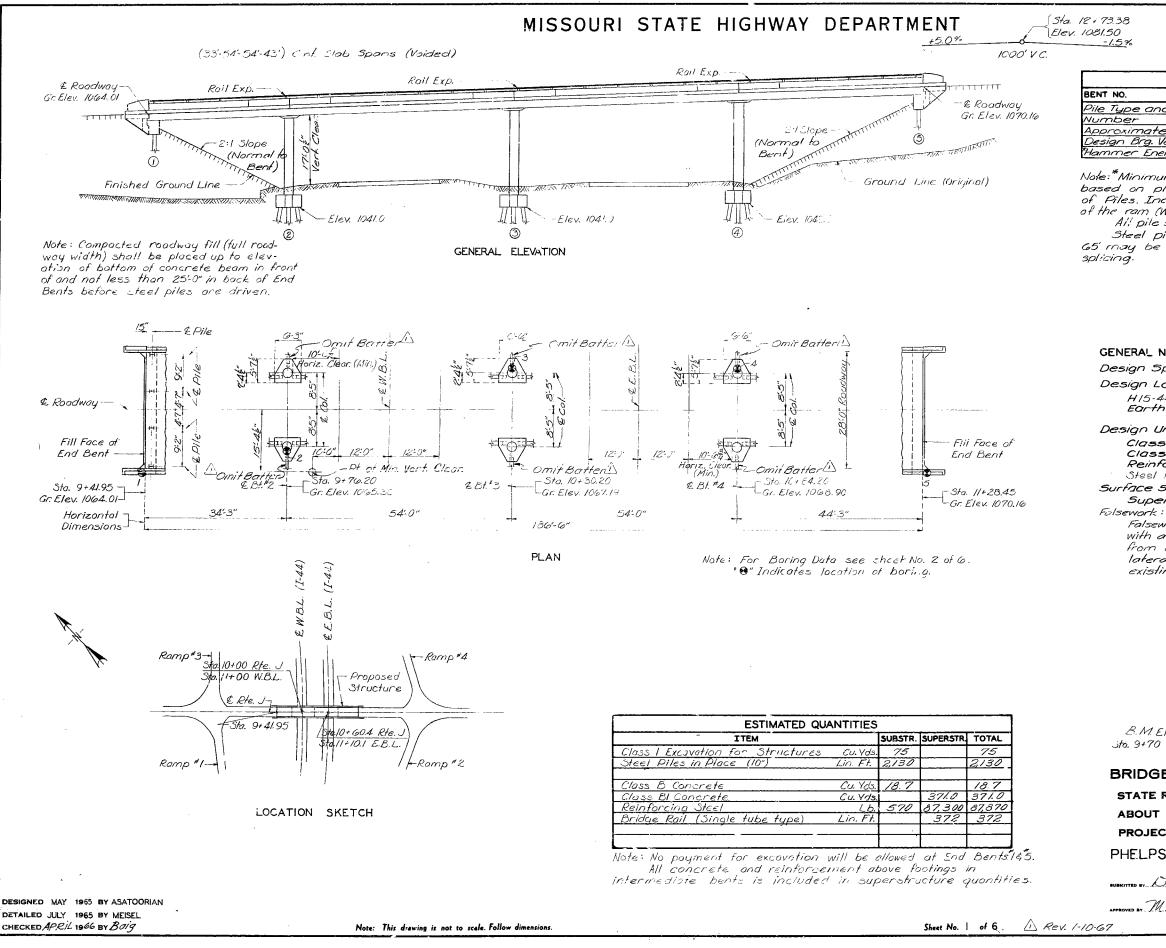
COUNTY: PHELPS RECORD TYPE: 1 R1	BRIDGE : A1627 R 'E THAT GOES 'UNDER' S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :24	2023
GENERAL S	STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION	
1State2District3County8Federal ID No.27Year Built106Year Reconstructed42AType of Service On21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc Desg103Temporary Structure112NBIS Bridge Length	MISSOURI CD PHELPS 1320 1966 0 HIGHWAY NONE EXISTS NOT TEMPORARY	5ARecord Type1 RTE THAT GOES 'UNDER' SCd5BRoute Signing PrefixIS5CDesignated Level of ServiceMAINLINE5DRoute Number000445EDirectional SuffixNOT APPLICABLE7Facility Carried8490 S12Base Hwy. Network113ALRS Inventory Route No.113BSubroute No.0N FREE ROAD20Toll StatusON FREE ROAD26Functional Classification01-RU PRINCIPL ARTRIAL-IS28ALanes on Structure02100STRAHNET DesignationON A DEFENSE HWY104National Highway SystemON NHS	Code : A
		105 Federal Lands Highway	
CTDLCTUD		110 Designated Nat. Network YES	
	E LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION	
4 Place	ARLINGTON 01918	29 AADT 15883 20 AADT Voor 2022	
Code 9 Location	S 8 T 37 N R 9 W	30 AADT Ical	
11 Milepoint	177.56 miles		
16 Latitude	37 D 56 M 37 S	107 AADT Huck Fercent	
17 Longitude	91 D 56 M 11 S	114 Future AADT	
		115 Future AADT Year	
UNDER	RECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION	
 6 Features Intersected 42B Type of Service Under 28B Lanes Under Structure 54A Vert. Clearance Ref. 54B Vert. Clearance 	IS 44 HIGHWAY 02	10Inventory Rte. Vert. Clear17 Ft. 6 In.19By pass Detour Length0.00 miles32Approach Roadway Width34Skew35Struct. Flared	
55A Rt. Lat Clear Ref.		47 Total Horiz. Clear 27 Ft. 11 In.	
55B Rt. Lat Clearance		48 Maximum Span Length 61 Ft. 0 In.	
56 Left Lat Clearance		49 Structure Length 208 Ft. 0 In.	
38 Navigation Control		50A Left Curb/Sidewalk Width	
39 Nav Vertical Clear		50B Right Curb/Sidewalk Width	
40 Nav Horizontal Clear		51 Curb to Curb Br. Width	
111 Nav. Pier Protection		52 Deck Width (Out-Out)	
116 Nav. Cl. Vert. Clear		53 Vert.Clearance Over Deck	

Design_No = a1627

Page: 1



COUNTY: PHELPS BRIDGE: A1627 R	REVIEW STATUS : APPROVED NBI STATUS : T						
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023						
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION						
31 Design Load 41 Structure Status 63 Oper. Rating Meth. 64 Operating Rating 65 Inventory Rating Meth 66 Inventory Rating 70 Bridge Posting Code PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating Deficiency Rating Funding Eligibility 75A Proposed Work 75B Work Done By 76	43A Main Strue. Mat type CONCRETE CONTINUOUS 43B Main strue Constr. Type SLAB 45 # of Main Spans 44A 45 # of Main Spans 44A 44A Appr Strue. Mat type 46 46 # of Approach Span 46 107 Deck Mat/Constr. 108A Wear Surf Mat/Constr. 108B 108B Membrane Mat/Constr. 108C Deck Protect Mat/Constr. 58 Deck Cond. Rating 59 Superstructure Cond. Rating						
94 Struc Improve Cost 95 Roadway Improve Cost	60 Substructure Cond. Rating 61 Channel /Channel Protection Cond. Rating 62 Culvert Cond. Rating						
96 Total Project Cost 97 Year of Cost Estimates	INSPECTION INFORMATION						
APPRAISAL RATING INFORMATION 36A Br. Rail App. Rating 36B Transition Rail App. Rating 36C Approach Rail App. Rating 36D Rail End Treat. App. Rating 67 Struc Eval App. Rating 68 Deck Geometry App. Rating	90Gen. Insp Date91Gen. Insp. Frequency92AFrac. Critical Inspection93AFrac. Critical Insp. Date92BUnderwater Inspection93BUnderwater Insp. Date92CSpecial Inspection93CSpecial Inspection Date						
69 Underclearance App. Rating	BORDER BRIDGE INFORMATION						
71 Waterway Adeq. App. Rating 72 Approach Road App. Rating 113 Scour Assess App. Rating	98 Neighboring State Code 98B Neighboring State % Respon 99 Neighboring State Struc. No.						
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION						
Approved Posting Category Ton1 Ton2 Ton3	Field Posting Category Ton 1 Ton 2 Ton 3						
Tonnage Values for Posting Sign General Text for Posting Sign	Tonnage Values for Posting Sign General Text for Posting Sign						
Design_No = a1627 Page: 2							



 \sim J

FED. ROAD	STATE	FED AID	FISCAL	SHEET	TOTAL
D'?T. NO.		PROJ. NO.	YEAR	NO.	SHEETS
5	MO.		19	99	

X

PILE DATA							
	1	2	3	4	5		
e and size		/	OBP42				
+	4	6	6	6	4		
mate Length Ft.	87	67	67	67	92		
Brg. Value Tons.	24	45	.50	49	28		
Energy Regid. 1#	11.300	10,600	11.800	11,600	12.000		

Note: * Minimum energy requirement of hamer based on plan length and design bearing value of Piles. Increase by the factor (W+W)/2W when the wgt. of the ram (W) is less than the wgt. of the pile (W). All pile shall be driven to practical refusal. Steel pile authorized in lengths greater than G5' may be furnished in two pieces for field

GENERAL NOTES:

Design Specifications AASHO-1961 Design Loading H15-44 15 # sq. Fl. Future Wearing Surface Earth 120 # Equivalent Fluid Pressure 30 #

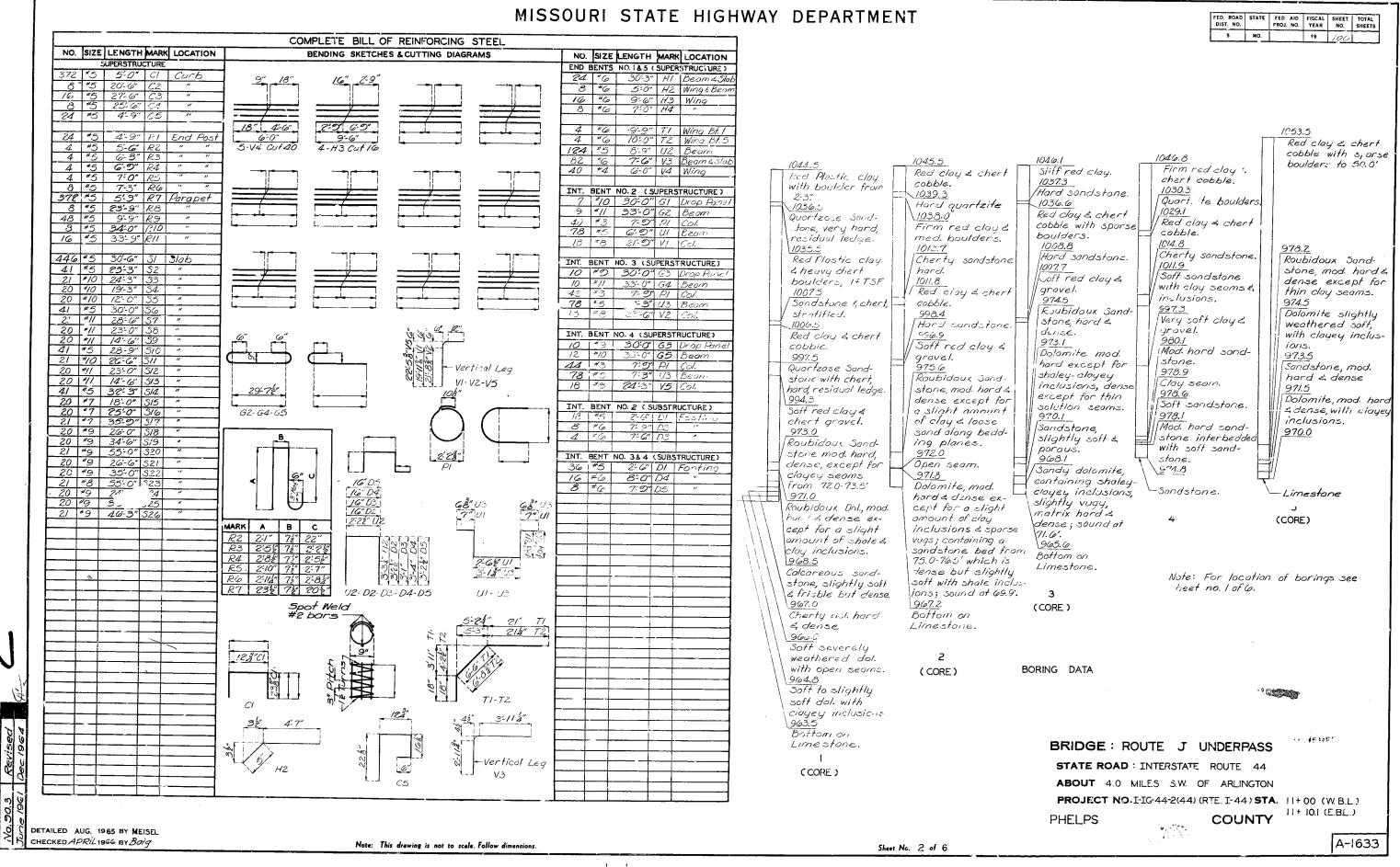
Design Unit Stresses:

Class B Concrete (substructure) fc=1,200 psi Class BI Concrete (superstructure) fc=1,600 psi Reinforcing Steel fs=20,000 psi Steel Pile (A.S.T.M. A36-62T) fb = 9000 psi Surface Seal: Superstructure deck to be surface sealed.

Falsework over existing lanes shall be constructed with a minimum vertical clearance of 13-6" from crown of existing lanes and minimum lateral clearance of 28:0" centered on existing lanes.

B.M. Elev. 1024.92, N. &W. in root 14" BI. Ook 50' Lt. sta. 9+70 Outer Rdwy. (U.S.G.S. Datum)

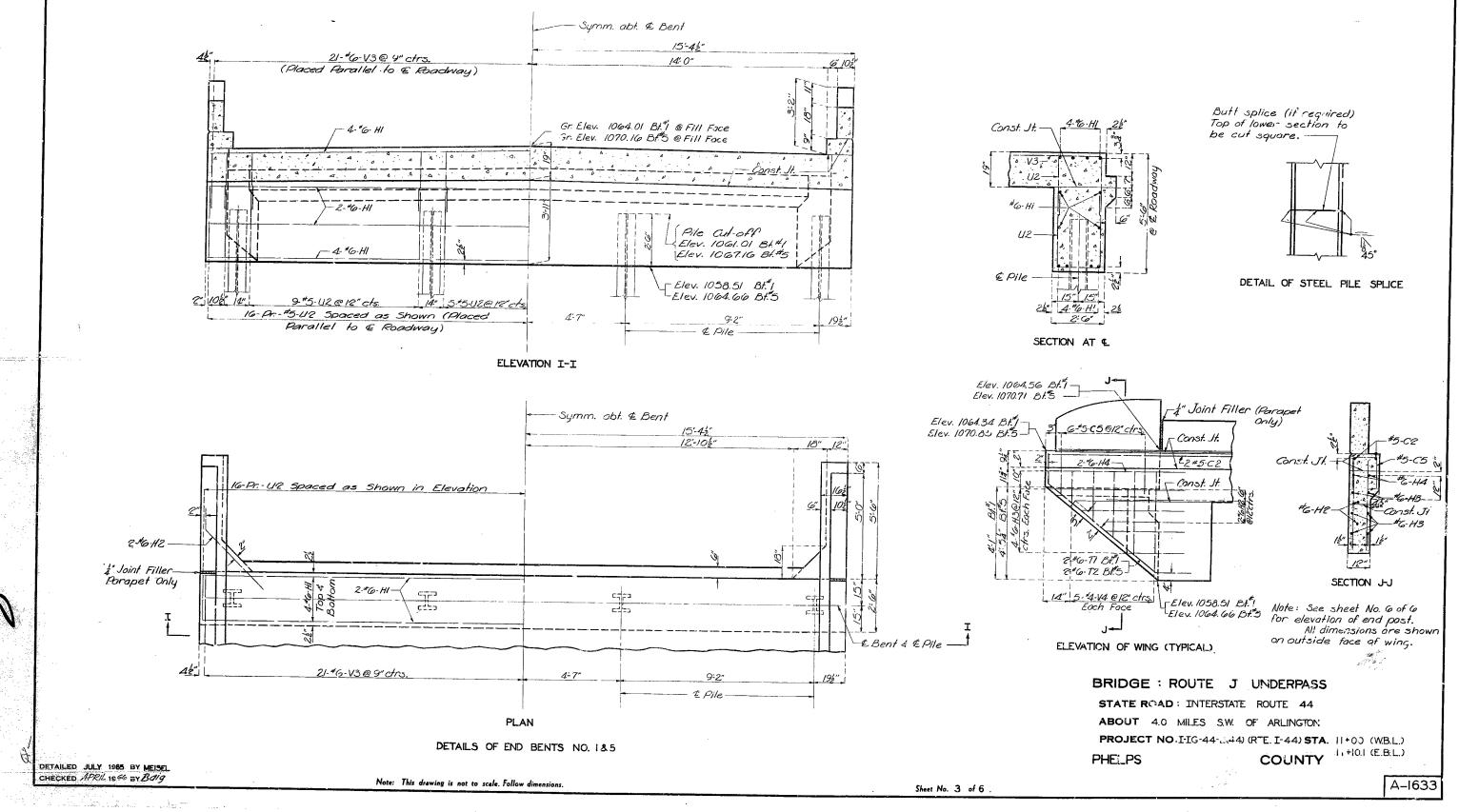
DGE: ROUTE J	UNDERPASS	
ATE ROAD : INTERST	ATE ROUTE 44	
OUT 4.0 MILES S.W	OF ARLINGTON	
OJECT NO. I-IG-44-2		
LPS	COUNTY	11+101% (EBL.)
BY 10 B. Jentains	DATE 6 19/66	
er M. J. Anide	nor (0/9/66	STD. 5400 A-1633
at a second second second second		



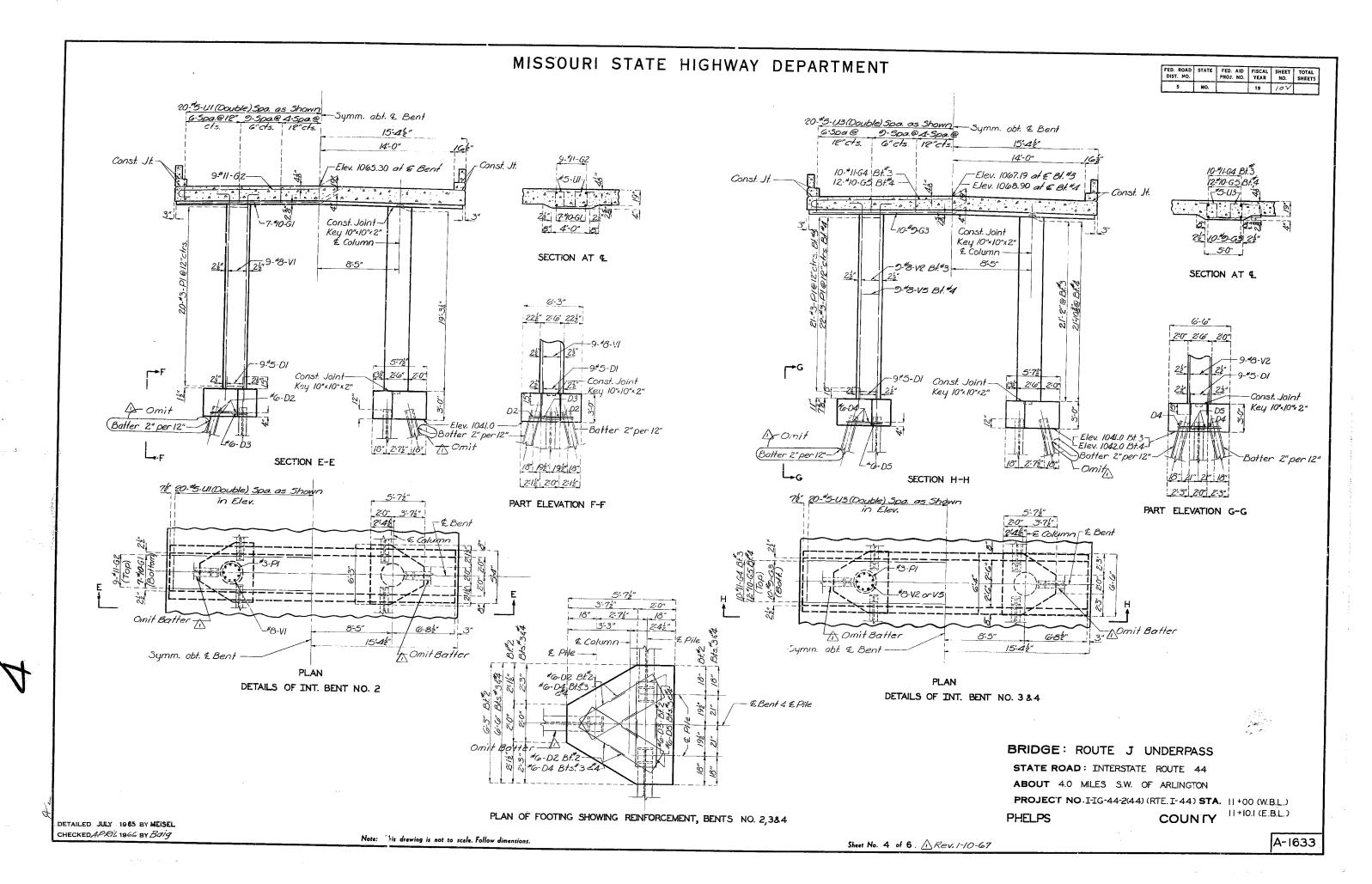
τ

•

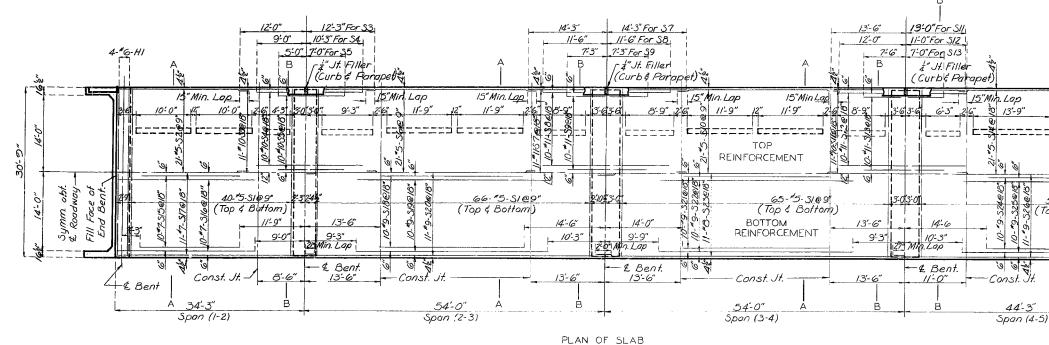
MISSOURI STATE HIGHWAY DEPARTMENT



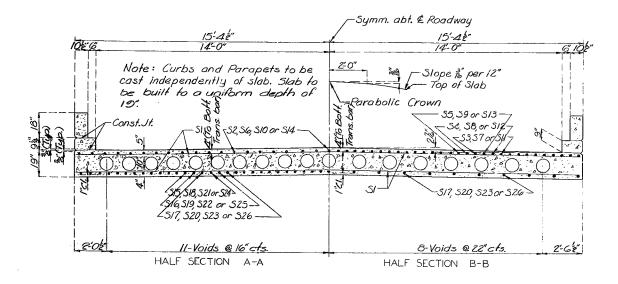
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL
5	MO.		19	101	



MISSOURI STATE HIGHWAY DEPARTMENT



Note: All Longitudinal dimensions shown are horizantal.



Note: Fiber tubes for producing voids shall have an outside diameter of 10.0" and a wall thickness of .225" and shall be anchored to joists carrying the floor form at not more than 4-0" centers. See Special Provisions for metal tube alternate for voids.

Finish each side of Joint with $\frac{1}{2}$ radius edging tool and fill flush with Joint seal.

DETAILS OF SLAB CONSTRUCTION JOINT KEY

Note: The contractor shall use an approved oscillating screed type, self-propelled mechanical finishing machine and shall pour and satisfactorily finish the roadway slab at a rate of not less than 30 cubic yards per hour. He shall observe the transverse construction joints shown on plans unless he can demonstrate to the satisfaction of the engineer that he is equipped to pour and satisfactorily finish the roadway slab at a rate which will permit a continuous pouring through some or all of these joints. Finishing machine load will not be permitted on concrete less than 48 haurs old.

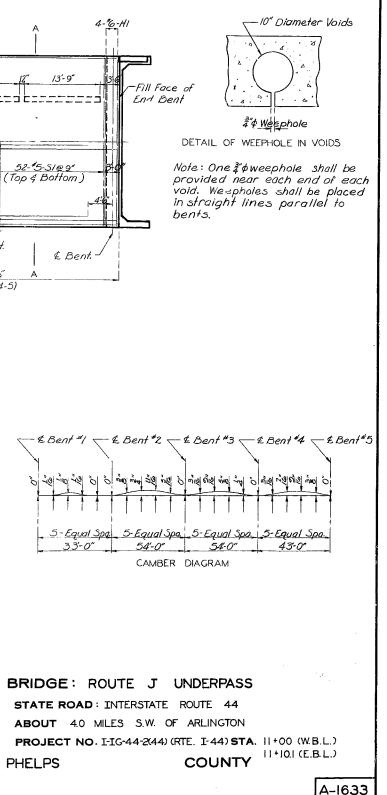
DETAILED JUNE 1965 BY MEISEL CHECKED APRIL 1966 BY Baig

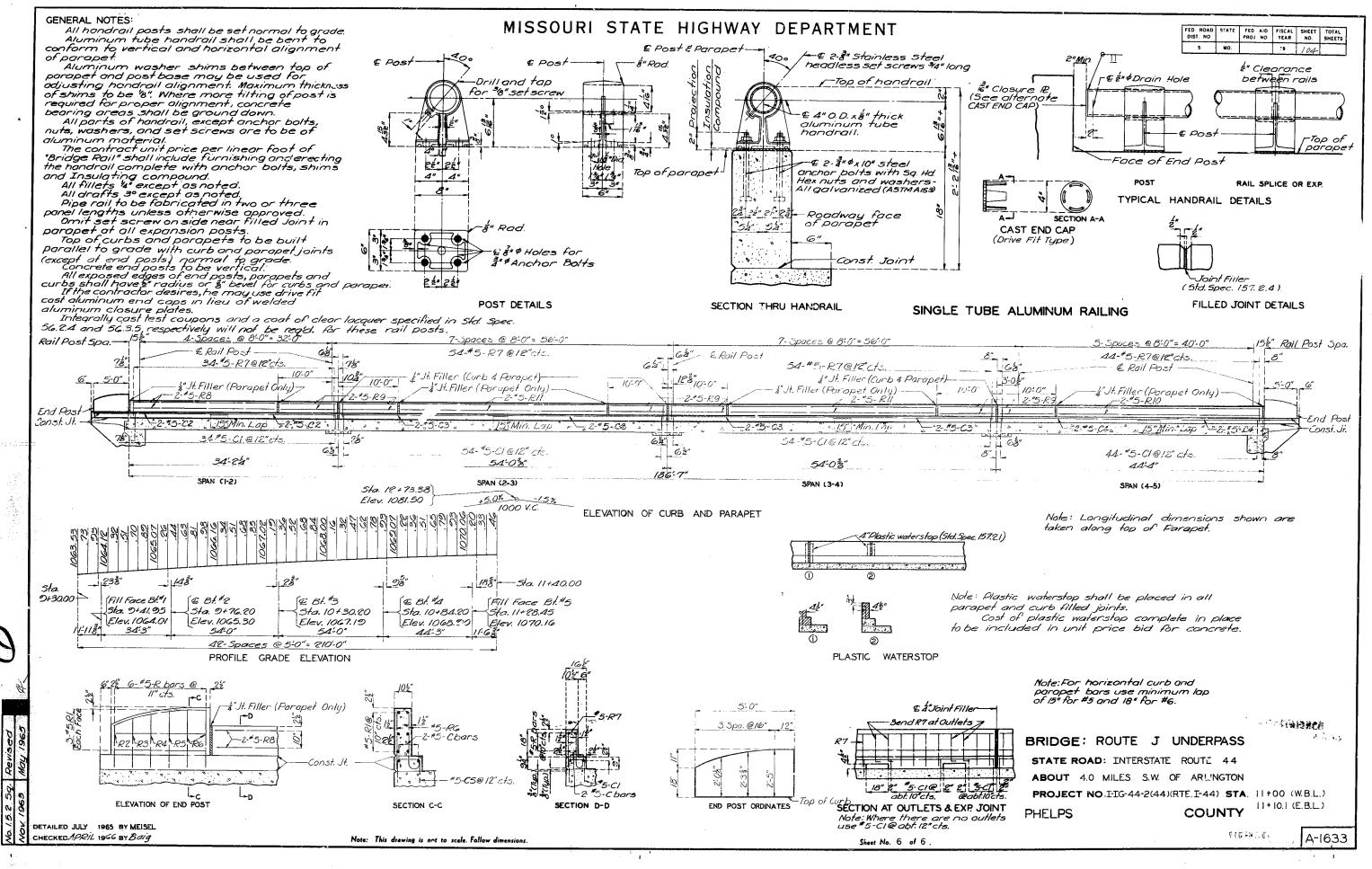
 $\mathbf{\Omega}$

a and a second

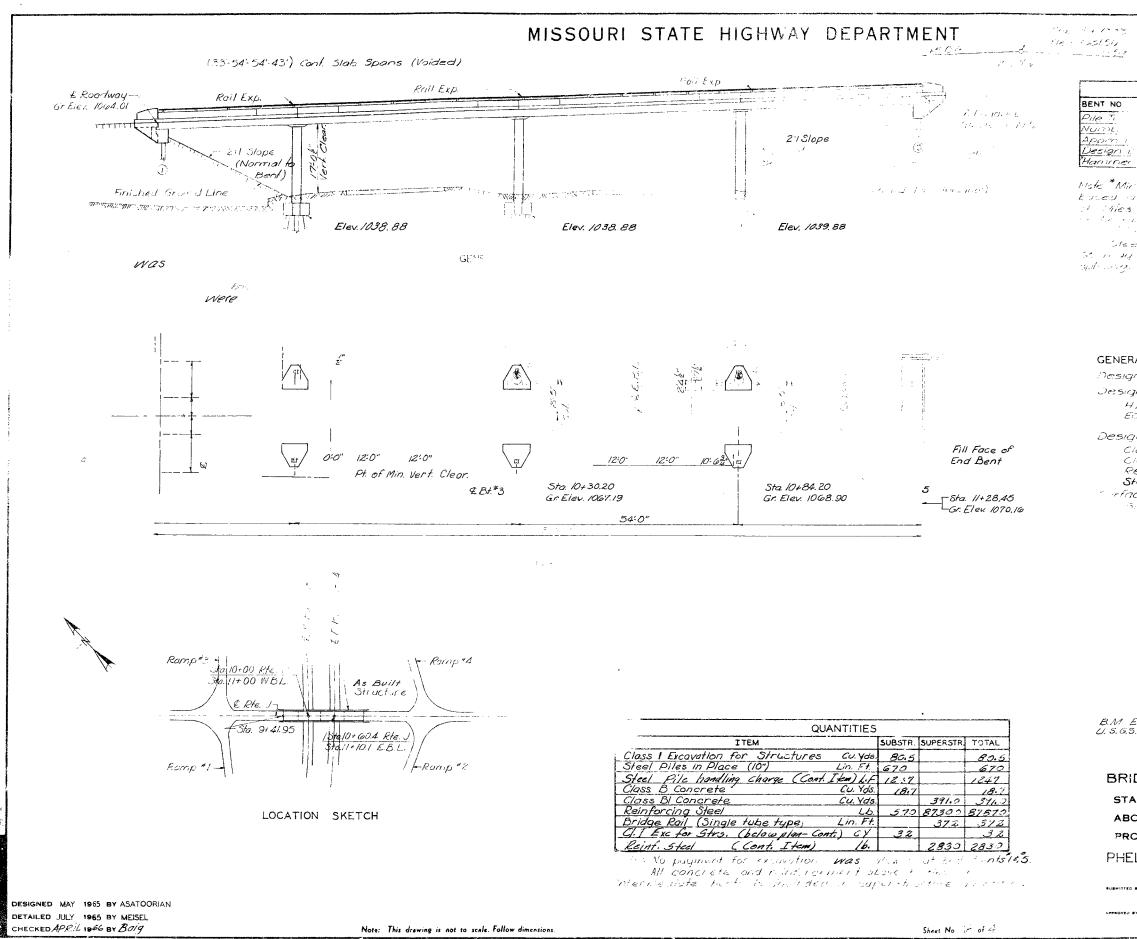
Note: This drawing is not to scale. Follow dimensions

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.		SHEET NO.	TOTAL SHEETS
5	MO,		19	103	

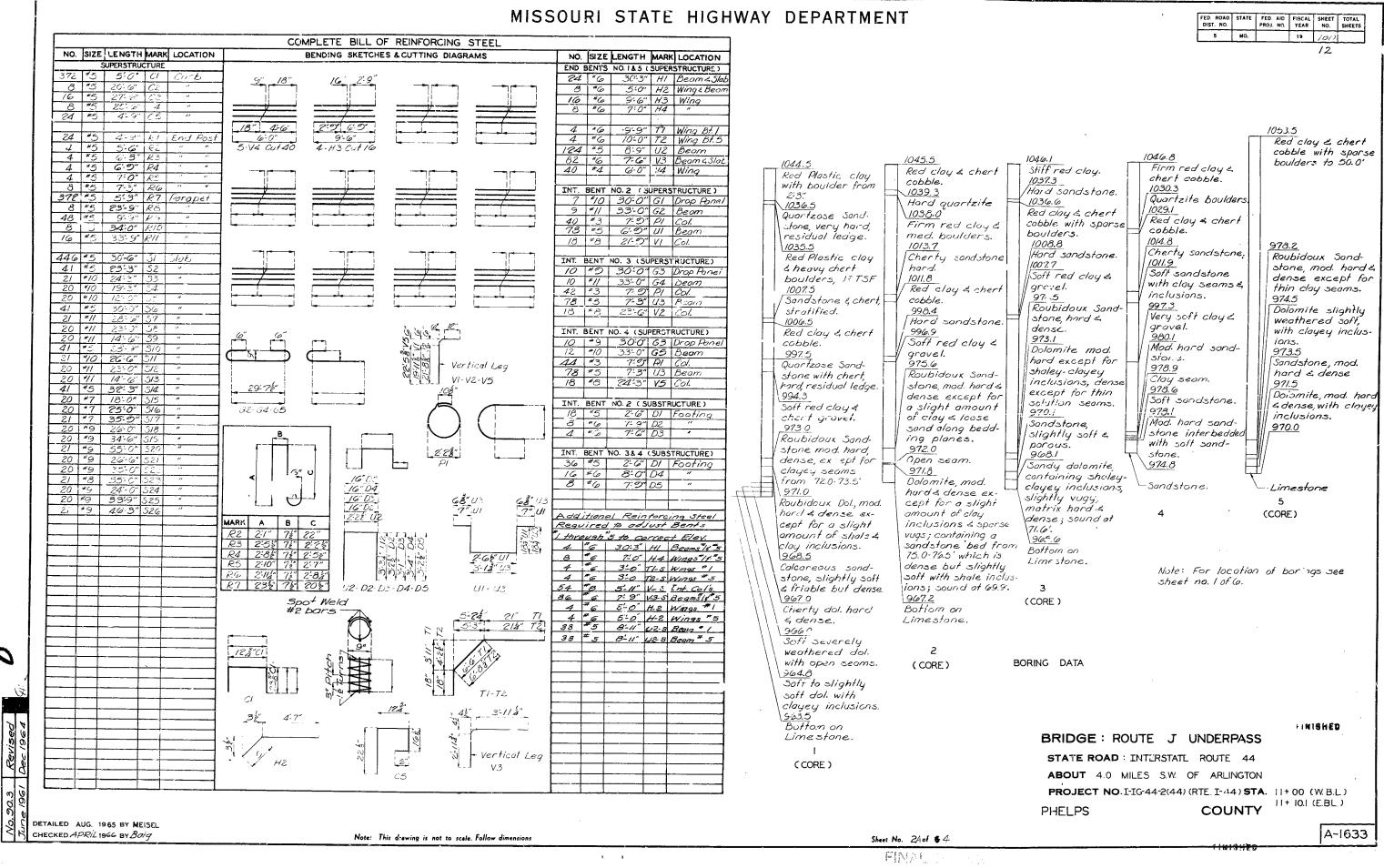




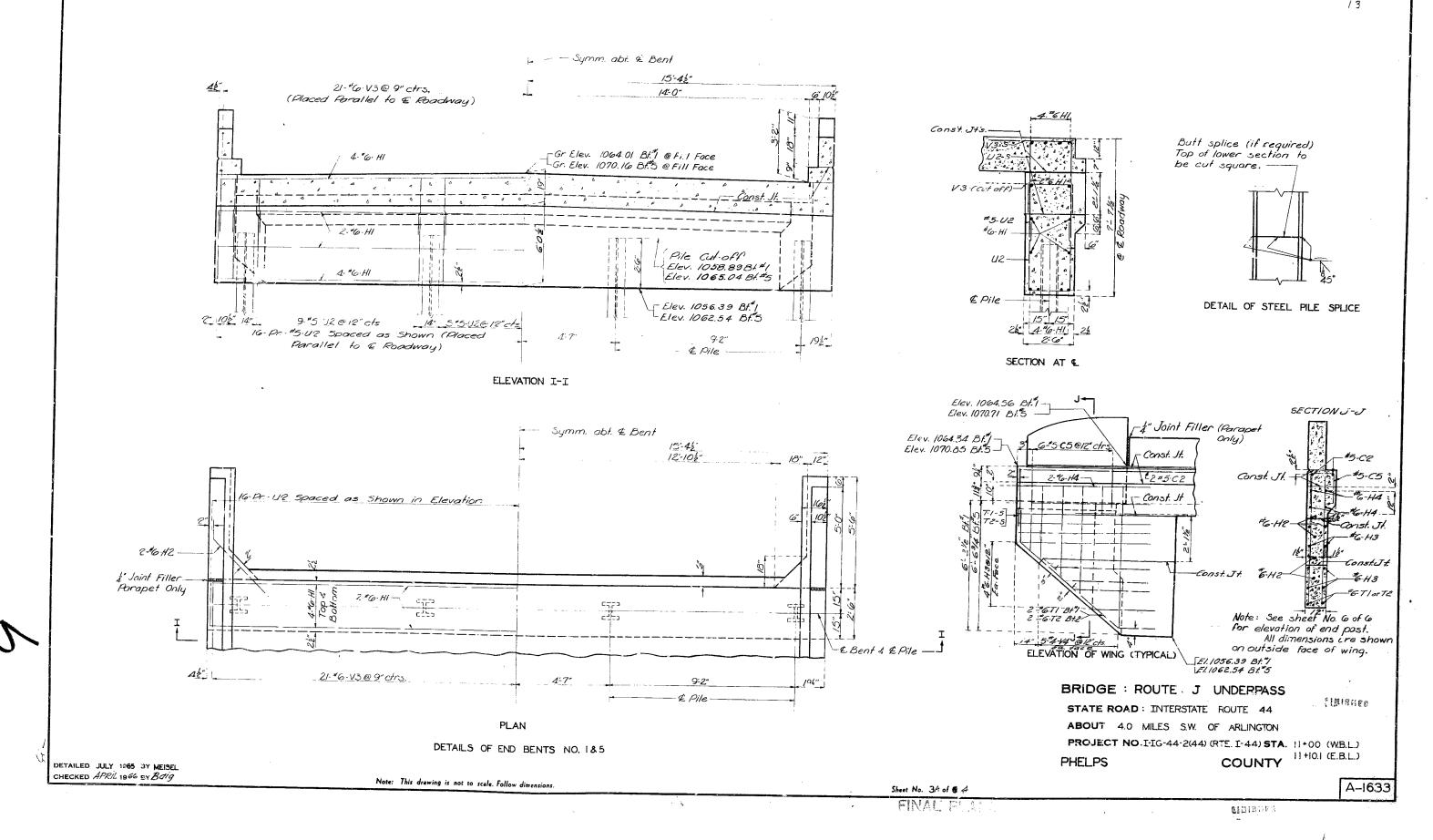
1 1 1



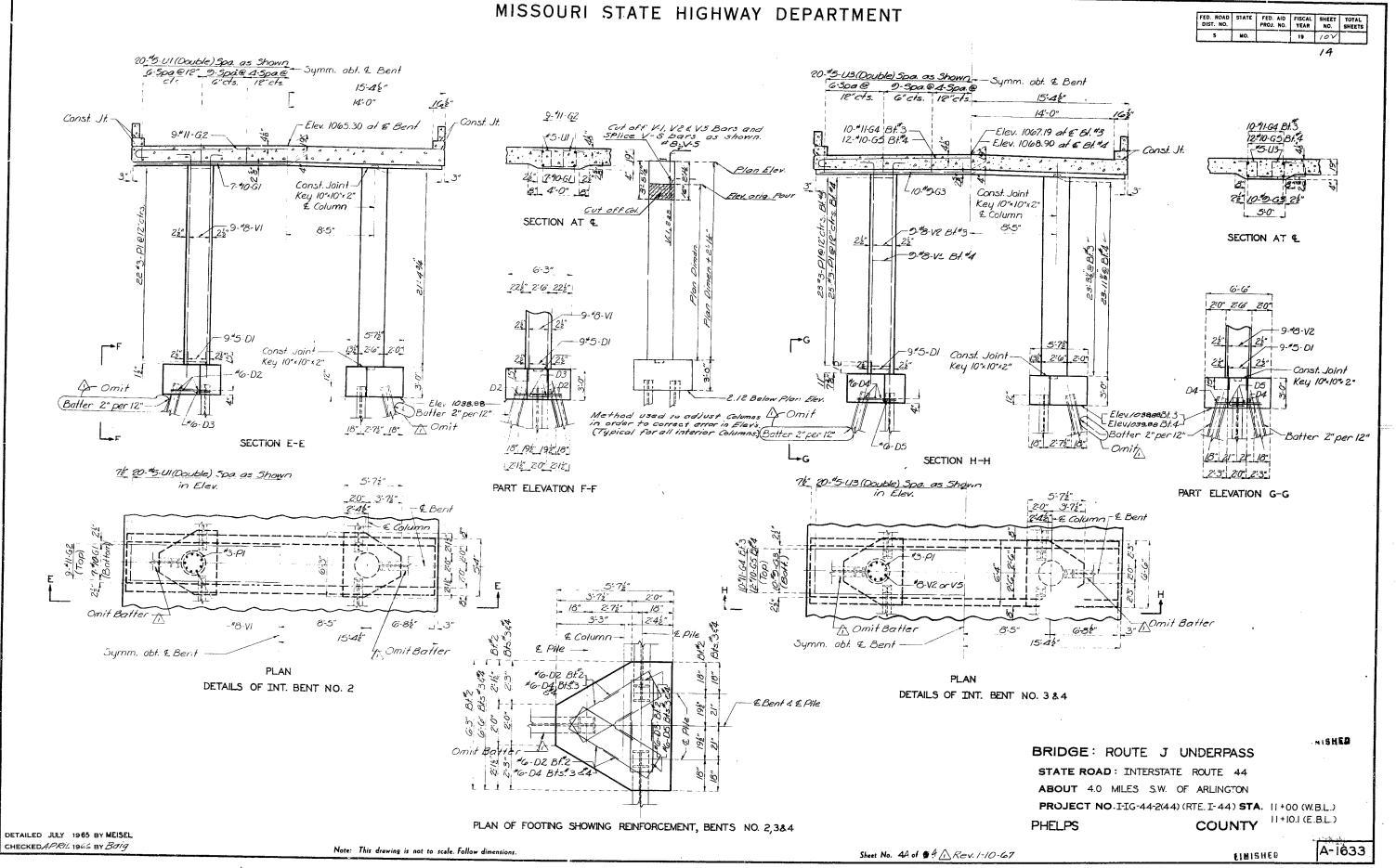
	(
-EL - 14" - 14 - USTI AL - HS-AL SHEET TOTAL	
5 NO 19 95	
PILE DATA	
1 2 3 4 5	
108P42 4 6 6 6 4	
87 67 67 67 92	
- 1	
All an enter of of hommer	
and the second	
n s F ange were en	
ed per outorized to at 1	
My the months	ŕ
	ļ
	,
ERAL NOTES:	
igr Loading	
H.+ 44 Stay H Falure Wearing Surface Earth 21 # Équivalent Fluid Pressure 30 #	
ign Unit Siresses	
Class B Concrete (substructure) fc=1,200 psi Class Bl Concrete(superstructure) fc=1,600 psi	
Reinforcing 5 Leel fs'= 20,000 psi Steel Pile (A.S.T.M. A36-627) fb = 9000 psi	
ace Seal	
Superstructure deck was surface sealed	
which over existing lanes was constructed	
an of existing lanes and a minimum	
in ince of 28:0° vertered on	
Elev. 1074.59 55. Br. 30 Cap @ Sta. 14+50 + Bt. J-55' Ft. of St.	
5. 27 . 35 Cap C Gra, 77 . 20 - 27. 6 Conner 91.	
RIDGE: ROUTE J UNDERPASS	
TATE ROAD: INTERSTATE ROUTE 44	
BOUT 4.0 MILES S.W. OF ARLINGTON	
ROJECT NO. I-IG-44-2(44) (RTE, I-44) STA. 11+00 (W.B.L.)	
ELPS COUNTY	
HED BY NO DELECTIONS DATE 6/9/66 \$1825380	
no en 12 miller Dare 6/9/66 STD. 5400	
A-1633	



MISSOURI STATE HIGHWAY DEPARTMENT



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL
5	MO.		19	101	
				12	



MoDOT				Department of 7	-		
				Bridge Inspecti	•		
	COUNTY: PHELPS	DISTRICT: CD		: STATBR	FED-ID: 13	22	BRIDGE: A163
DOUTE	DELO	***GENERAL STRUCTU					***BR
ROUTE: FEATURE:		# SPANS: 4 LANES ON: 2			CODE: 42248 LIBERTY NGTH: 187 FT 0 IN		DATE: 05/10/
STATUS:		LANES UNDER: 4			SPAN: 54 FT 0 IN		FREQUENCY: 24 EAM LEADER: JOE C
LOG MILE:		COMPASS DIRECTION: N		APPROACH ROAL			EAM LEADER: JOE G
DETOUR:	25.00 MILES	DIRECTION OF TRAFFIC: 2	-WAY TRAF	CURB TO	CURB: 28 FT 0 IN		INSPECTOR 3:
NHS:		FUNCTIONAL CLASS: R			OUT: 30 FT 8 IN	**	* When calculated interv
BUILT:	1966	NBI OWNER: M			AADT: 1065		G
REHAB:	S3 T36 R10 W	NBI MAINTAINED: M MAINTENANCE DISTRICT: C			YEAR: 2022 RUCK: 3.3%		
	37 52 6.76 (DMS)	MAINTENANCE COUNTY: P			AADT: 1598		
	92 1 11.64 (DMS)	SUB AREA: 7		FUTURE AADT			
					r		
		TICAL INSPECTION INFOR					DEPTH INSPECT
DATE:	RESPON CALCULATED INT	SIBILITY:	CATEGORY: NBI:		DATE:		RESPONSIBILITY:
FREQUENCY: TEAM LEADER:		ERVAL [*] : ECTOR 3:	NBI: METHOD:		FREQUENCY: TEAM LEADER:	CALCULA	TED INTERVAL**: INSPECTOR 3:
INSPECTOR 2: INSPECTOR 4:					INSPECTOR 2:		INSPECTOR 4:
		fication comment per BIRM is require	ed.		** When calculated interval	exceeds the frequer	ncy, a justification comm
	FRACTURE C	RITICAL INSPECTION COM	MENTS			1	NDEPTH INSPEC
	***CDECIAI	INCRECTION INFORMATIC	₩ ₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩				DWATED INCOR
		INSPECTION INFORMATIC				***UNDE	ERWATER INSPE
DATE: FREQUENCY:	RESPONS CALCULATED INT	SIBILITY: Edwal **-	CATEGORY: NBI:		DATE:		RESPONSIBILITY: ATED INTERVAL**:
TEAM LEADER:		ERVAL"": ECTOR 3:	METHOD:		FREQUENCY: TEAM LEADER:	CALCUL	INSPECTOR 3:
INSPECTOR 2:		ECTOR 4:			INSPECTOR 2:		INSPECTOR 4:
		fication comment per BIRM is required	d.		** When calculated interva	l exceeds the freque	
		L INSPECTION COMMENTS				-	DERWATER INSP
	SI LCIA						
	OTHE	R SPECIAL INSPECTIONS				O ^r	THER UNDERWA
DATE FREQU	JENCY <u>CATEGORY</u>	NBI CALCULATED INTERVAL	<u>RESPONSIBILITY</u>	METHOD	DATE FREQUENC		
Design_No = a1633]		

Page 1

September 07, 2023 1:42:11PM

633

RIDGE INSPECTION INFORMATION* RESPONSIBILITY: DISTRICT** 10/2023 CALCULATED INTERVAL**: 24 GREEN ELEMENT: NO **INSPECTOR 4:**

erval exceeds the frequency, a justification comment per BIRM is required. GENERAL INSPECTION COMMENTS

TION INFORMATION***

CATEGORY: NBI: **METHOD:**

mment per BIRM is required.

ECTION COMMENTS

ECTION INFORMATION***

CATEGORY: NBI: **METHOD:**

omment per BIRM is required.

SPECTION COMMENTS

ATER INSPECTIONS ALCULATED INTERVAL RESPONSIBILITY

METHOD

MoDOT State Bridge Inspection Report						September 07, 2023 1:42:11PM
COUNTY: PHELPS	DISTRICT: CD	CLASS: STAT		D-ID: 1322	BRIDGE: A1633	
		S	TRUCTURE POSTING			
APPROVED CATEGORY: S-1	NO POSTING REQUIRED					
Ton 1: COMMENTS:	Ton 2:	Ton 3:				
FIELD CATEGORY: S-1 Ton 1: COMMENTS:	NO POSTING REQUIRED Ton 2:	Ton 3:	PROBLEM:		PROBLEM DIRECTION:	
			DMMENTS/MAJOR RATE	D ITEMS***		
GENERAL COMMENTS: (BOWDEJ1, 08/21/2	2008)(34'-54'-54'-44') CONT VOIDED C	ONC SLAB SPANS				
[ITEM 58] DECK: 6-S RATING: 05/	ATISFACTORY CONDITION 18/2001	COMMENTS: (RACKEM, 11/04/	2011)CRACK, LEACH, SPALL			
[ITEM 59] SUPER: 6-S RATING: 05/	ATISFACTORY CONDITION 18/2001	COMMENTS: (RACKEM, 11/04/	2011)CRACK, LEACH, SPALL			
[ITEM 60] SUB: 6-S RATING : 05/	ATISFACTORY CONDITION 18/2001	COMMENTS: (RACKEM, 11/04/	2011)CRACK, LEACH, SPALL			
[ITEM 61] BANK/CHANNEL: N-1 RATING: 05/		COMMENTS:				
[ITEM 113] SCOUR: N-1 RATING : 05/ EVALUATION TYPE :	NOT APPLIC NOT WATERW 18/2001	COMMENTS:				
[ITEM 71] WATERWAY ADEQUACY: NO RATING: 05/		COMMENTS:				
[ITEM 72] APPRRDWY ALIGNMENT: 8-V RATING: 05/		COMMENTS:				
	*	**RAILING AND APPROAC	CH PAVEMENT COMPON	ENTS AND RATI	NGS***	
[ITEM 36A] BRIDGE RAILING RATING		RATING : 11/30/20				
<u>MATERIAL</u> REINFORCED CONCRETE	CURB	DIRECTION BOTH	<u>TS</u>			
REINFORCED CONCRETE	PARAPET	BOTH				
ALUMINUM <u>CONDITION</u> COLLISION DAMA	CIRCULAR TUBE <u>LOCATION 1</u> GE THROUGHOUT	BOTH <i>Location 2</i>	<u>Severity</u> Minor	<u>COMMENT</u>		
[ITEM 36B] TRANSITION RAILING RATING		RATING : 11/30/20				
<u>MATERIAL</u> GALVANIZED STEEL		DIRECTION COMMENT ALL				
[ITEM 36C] APPROACH RAILING RATING	: MEETS CURRENT STANDARDS-1	RATING : 05/18/20	001 COMMENTS:			
Design_No = a1633 This report contains information that is	protected from disclosure by federal law, 23 USC Se	ction 409 and the Missouri Open Records Law	Page 2 (Sunshine Act), Section 610.021 RSMo. Pl	ease review MoDOT's polic	y and procedure manual on the Sunshine Act before re	leasing any of the information contained herein.

			Missouri Depart	ment of Transpo	ortation			
MoDOT			-	e Inspection Rep				
COUNTY:	PHELPS DI	STRICT: CD	CLASS: STAT		FED-ID: 13	22	BRII	DGE: A
MATERIAL	CONSTRUCTION	DIRECTI						
GALVANIZED STEEL	W-BEAM	ALL						
[ITEM 36D] RAIL END TREATM	ENT RATING: DOESNT MEET CU	RRNT STND-0	RATING : 11/30/20	009 COMMENT	S:			
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	DIRECTI	<u>ON</u> <u>COMMENT</u>	<u>TS</u>				
GALVANIZED STEEL	CRASH ATTENUATOR/CUS	SHION SOUTHWI	EST					
GALVANIZED STEEL	CRASH ATTENUATOR/CUS	SHION NORTHEA	AST					
APPROACH PAV	EMENT: *Overall condition assign	ed for each approach paveme	enet component is shown be	low.				
MATERIAL	<u>CONSTRUCTION</u>	DIRECTION	CONDITION *	<u>COMMENTS</u>				
REINFORCED CONCRETE	SLAB	BOTH	GOOD					
		DRAINAGE, EXP	ANSION DEVICES, I	BANK/SLOPE, AN	D DECK PROT	ECTIVE CO	MPONEN'	TS
DECK PROTECTIVE COMPONENT	<u>S:</u> <u>COMPONENT</u>	<u>MATERIAL</u>	CONSTRU		HICKNESS <u>YE</u>	AR APPLIED	MANUFAC	TIDE
	EARING SURFACE	ASPHALT	BITUMINOUS		.4 IN	<u>IK AI I LILD</u>	MANUTACI	TURL
COMMENT: (BOWD	EJ1, 04/23/2010)APPLIED IN 1989	0 & 2009						
CONDITIO			LOCATION 2	<u>SEVERITY</u>	СОММ	ENT		
FAILING	THROUGH			NOT APPLICAB		PA, 03/10/2017)	ABOUT HA	LF STRI
	ECK PROTECTION	NOTAPPLICABLE	NON	JE				
COMMENT:	CKTROILCHON	NOTALI LICADLE	INOIN					
	MEMBRANE	NOTAPPLICABLE	NON	VE				
<u>COMMENT:</u>								
	ARY DECK PROTECTION	LIQUID SEALANT	INTERNALL	Y SEALED		2020	PAVON IND	DECK
<u>COMMENT:</u>								
DRAINAGE COMPONENTS:								
	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRU</u>	UCTION	DIRECTION	<u>COMMENTS</u>		
EXPANSION DEVICE COMPONENT	<i>TS</i> :							
<u>SUB UNIT-#</u> <u>SUB LABE</u>		MATE	ERIAL	<u>CONSTRUCTION</u>	<u> </u>	<u>AP YEAI</u>	R APPLIED	MANU
<u>COMMENT:</u>								
BANK/SLOPE PROTECTION COMP	ONENTS							
	COMPONENT	<u>MATERIAL</u>	CONSTRU	UCTION	DIRECTION	<u>COMMENTS</u>		
BA	INK PROTECTION	EARTH FILL	BER		BOTH	<u></u>		
			D	ECK COMPONEN	NTS			
SPAN TYPE-# MAIN SPANS 1	<u>COMPONENT</u> DECK	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRU</u>		<u>MMENTS</u>			
MAIN SPANS-1 <u>CONDITION</u>			CAST-IN LOCATION 2	PLACE <u>SEVERITY</u>	<u>MEASUREMEN</u>	<u>NT</u> COMME	NT	
Design_No = a1633				Page 3				

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

1633

OVERALL CONDITION POOR

IPPED OFF; WHAT REMAINS SEEMS TIGHT;

UFACTURE

OVERALL CONDITION

OOT		-	tment of Transpo			
COUNTY: PHELPS	DISTRICT. CD	CLASS: STAT	e Inspection Repo			DDIDCE, A1(
DELAMINATION PATCHES TRANSVERSE CRACKS TRANSVERSE CRACKS	DISTRICT: CD AT ABUTMENTS RANDOM BOTTOM DRIVING SURFACE	CLASS: SIA	FEW FEW FEW RANDOM	FED-ID: 1322		BRIDGE: A16
MAIN SPANS-2 DECK <u>CONDITION</u> DETERIORATION PATCHES SPALLS TRANSVERSE CRACKS TRANSVERSE CRACKS	<i>REINFORCED CON</i> <u>LOCATION 1</u> EDGE RANDOM RANDOM BOTTOM DRIVING SURFACE	ICRETE CAST-IN LOCATION 2	<i>F-PLACE</i> <u>SEVERITY</u> MINOR FEW FEW FEW RANDOM	<u>MEASUREMENT</u>	<u>COMMENT</u>	
MAIN SPANS-3 DECK <u>CONDITION</u> DELAMINATION PATCHES TRANSVERSE CRACKS TRANSVERSE CRACKS	<i>REINFORCED CON</i> <u>LOCATION 1</u> BOTTOM RANDOM BOTTOM DRIVING SURFACE	ICRETE CAST-IN LOCATION 2	<i>-PLACE</i> <u>SEVERITY</u> FEW FEW FEW RANDOM	<u>MEASUREMENT</u>	<u>COMMENT</u>	
MAIN SPANS-4 DECK <u>CONDITION</u> DELAMINATION PATCHES SPALLS TRANSVERSE CRACKS	<i>REINFORCED CON</i> <u>LOCATION 1</u> AT ABUTMENTS RANDOM AT ABUTMENTS DRIVING SURFACE	CRETE CAST-IN LOCATION 2	<i>F-PLACE</i> <u>SEVERITY</u> FEW FEW FEW RANDOM	<u>MEASUREMENT</u>	<u>COMMENT</u>	
		SUPER	STRUCTURE COM	PONFNTS		
SERIES TYPE-# SPAN TY	YPE <u>MATERIAL</u>			<u>LABEL</u>	<u>COMMENTS</u>	
		ICRETE VOIDE I <u>ATHERING STEEL</u> COMMI NO LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>	
MAIN SPANS-2 NON-CO <u>CONDITION</u> DIAGONAL CRACKS EFFLORESCENCE	OMPOSITE 54 FT 0 IN LOCATION 1 ENDS ENDS	NO <u>LOCATION 2</u>	<u>SEVERITY</u> FEW MINOR	<u>MEASUREMENT</u>	<u>COMMENT</u>	
MAIN SPANS-3 NON-CO <u>CONDITION</u> DIAGONAL CRACKS EFFLORESCENCE	OMPOSITE 54 FT 0 IN <u>LOCATION 1</u> ENDS ENDS	NO <u>LOCATION 2</u>	<u>SEVERITY</u> FEW MINOR	<u>MEASUREMENT</u>	<u>COMMENT</u>	
EFFLORESCENCE						

September 07, 2023 1:42:11PM

1633

DOT		Missouri Department of	1		
		State Bridge Inspec	-		
COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR		D: 1322	BRIDGE: A1
<u>CONDITION</u>	LOCATION 1		<u>EVERITY</u> <u>MEASUR</u>	<u>EMENT</u> <u>COMME</u>	<u>NT</u>
DIAGONAL CRACKS	ENDS ENDS		FEW MINOR		
EFFLORESCENCE	ENDS	1	MINOR		
		***SUBSTRUCTU	RE COMPONENTS*	**	
UBSTRUCTURE SKEW	<u>LENGTH</u> <u>MATERIAL</u>	<u>CONSTRUCTION</u>	LABEL COMMENT	<u>rs</u>	
ABUTMENT-1 CONDITION	30 FT 9 IN REINFORCED CONCRETE LOCATION 1	INTEGRAL LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>	<u>SEVERITT</u>	MEASUREMENT	COMMENT
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
LEACHING	THROUGHOUT		MINOR		
SPALLS	RANDOM		FEW		
VERTICAL CRAC			MINOR		
PILING	STEEL	H-SHAPE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
TURNED BACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DETERIORATIO			MINOR		
DIAGONAL CRAC LEACHING	CKS THROUGHOUT THROUGHOUT		MINOR MODERATE		
LEACHING	Inkoodhoor		MODERALE		
BENT-2	30 FT 9 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN	REINFORCED CONCRETE	INTEGRAL CAST-IN-P		MEACUDEMENT	COMMENT
<u>CONDITION</u> HORIZONTAL CRA	CKS TOP	LOCATION 2	<u>SEVERITY</u> FEW	<u>MEASUREMENT</u>	COMMENT
FOOTING	REINFORCED CONCRETE	H-PILE	ΓĽW		
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-3 CONDITION	30 FT 9 IN REINFORCED CONCRETE LOCATION 1	MULTIPLE COLUMN LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>SEV ENTT</u>	MEASUREMENT	
COLUMN	REINFORCED CONCRETE	INTEGRAL CAST-IN-P	LACE		
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
HORIZONTAL CRA			FEW		
FOOTING	REINFORCED CONCRETE	H-PILE			
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-4	30 FT 9 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>	LACE		
COLUMN <i>CONDITION</i>	REINFORCED CONCRETE LOCATION 1	INTEGRAL CAST-IN-P. <i>LOCATION 2</i>	LACE SEVERITY	MEASUREMENT	COMMENT
HORIZONTAL CRA		LUCATION 2	<u>SEVERITI</u> FEW	MLASUKENIENI	<u>UUMMENT</u>
FOOTING	REINFORCED CONCRETE	H-PILE	T L' W		
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ADIITMENIT 5		ΝΈΓΓΩΝΙ			
ABUTMENT-5 CONDITION	30 FT 9 IN REINFORCED CONCRETE LOCATION 1	INTEGRAL LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
	LUCATIONI	LUCATION 2	SLT LINIT		COMMENT

Page 5 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 07, 2023 1:42:11PM

1633

MODOT		Missouri Department of Tra	-	
		State Bridge Inspection	n Report	
COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-ID: 1322	BRIDGE: A1633
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>		
BEAM CAP <u>CONDITION</u>	REINFORCED CONCRETE LOCATION 1	CAST-IN-PLACE <i>LOCATION 2</i>	SEVERITY MEASUREMENT	<u>COMMENT</u>
DELAMINATIO		LOCAHON 2	LARGE <u>MEASUREMENT</u>	COMMENT
LEACHING	THROUGHOUT		MODERATE	
SPALLS	RANDOM		LARGE	
VERTICAL CRAC			MINOR	
PILING <i>CONDITION</i>	STEEL <u>LOCATION 1</u>	H-SHAPE <i>LOCATION 2</i>	SEVERITY MEASUREMENT	COMMENT
TURNED BACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE	<u>SEVENITI MEASUREMENT</u>	COMMENT
CONDITION		LOCATION 2	SEVERITY MEASUREMENT	<u>COMMENT</u>
DETERIORATIO			HEAVY	
DIAGONAL CRA			MODERATE	
LEACHING	THROUGHOUT		MODERATE	
		OVER/UNDER ROUTES CLEA	ARANCE INFORMATION	
CLEARANCES OVER DECK	**NOTE: Vertical clearances for permitting purposes are taken	as 2 inches less than the actual field measured clearance.		
VERTICAL CLEARANCE TYPE**	VALUE <u>DIRECTION</u> <u>DATE</u>	<u>COMMENT</u>		
LEARANCES UNDER BRIDGE	**NOTE: Vertical clearances for permitting purposes are taken			
RECORD # ROUTE	<u># LANES</u> <u>DIRECTION OF TRAFFIC</u>	RIGHT LATERAL CLEARANCE	LEFT LATERAL CLEARANCE	<u>UR-ID</u> 3097
1 IS 44 E VERTICAL CLEARANCE TYPE**	2 1-WAY TRAF <u>VALUE</u> <u>DIRECTION</u> <u>DATE</u>	10 FT 6 IN <u>COMMENT</u>	10 FT 6 IN	5097
ACTUAL	18 FT 3 IN			
RECORD # ROUTE	# LANES DIRECTION OF TRAFFIC	RIGHT LATERAL CLEARANCE	LEFT LATERAL CLEARANCE	<u>UR-ID</u>
2 IS 44 W VERTICAL CLEARANCE TYPE**	2 1-WAY TRAF VALUE DIRECTION DATE	10 FT 6 IN COMMENT	10 FT 6 IN	3098
ACTUAL	16 FT 6 IN	<u>COMMENT</u>		
		STRUCTURE PAINT	INFORMATION	
CONDITION:	RUST AMOUNT :	STEEL TO	NS: 0	
ORIGINAL PAINT	CONT	<u>RACT REPAINT</u>		DEPARTMENT RI
PAINT TYPE :	PAINT TYPE		PAINT TYPE :	Ν
NAME :	NAME DAINT COLOR		NAME :	
PAINT COLOR : PAINT YEAR :	PAINT COLOR PAINT YEAR		PAINT COLOR : PAINT YEAR :	
MILS :	FAINT TEAN MILS		MILS :	
$esign_No = a1633$		Page	6	

September 07, 2023 1:42:11PM

1633

NT REPAINT

MANUFACTURE : SURFACE PREP:

shine Act before releasing any of the information contained herein.

MoDOT			Missouri Depar State Bridg	rtment of Tr ge Inspectior	-		
COUN	TY: PHELPS	DISTRICT: CD	CLASS: STA		FED-ID	: 1322	BRIDGE: A16
			RE	OUESTED W	ORK ITEMS		
GENERAL WORK COMM	ENTS:						
<i>RESPONSIBILITY</i> DISTRICT SPECIAL	<i>LOCATION</i> ROADWAY SURFACE	<i>ITEM</i> REPAIR CONCRETE>100 SF	<i>CATEGORY</i> DECK	PRIORITY 3	DATE WOR. 05/16/2023	K ITEM COMME	ENT
				TILITY ATTA	CHMENTS***		
UTILITY	OWNER	METHOD	MEASUREMENT TYPE	VALUE	NUMBER	UTILITY ATT	ACHMENT COMMENT
YEAR PROJECT #	<u>MONTH LET</u> <u>YEAR LE</u>	<u>it items</u>				<u>COMMENT</u>	
*	**COMPUTER GENER	ATED RATINGS AND DEF	FICIENCY ITEMS***				***ADVANCE
NOTE: The items listed in this	section are updated whenever co	mputer edits are ran on a structure	after the inspection updates h	ave been entered i	n to TMS. SI	GN #	SIGN TYPE
Rated Item		Rating	Rating Date			1	
[Item 67] Structure Evaluation		THAN MINIMUM	5/18/2001				
[Item 68] Deck Geometry Rati	-	ΓΗΑΝ ΜΙΝΙΜUM IMUM TOLERABLE	5/18/2001 1/26/2022				
[Item 69] Underclearance: Sufficiency Rating:		67.4%	2/22/2022				
Deficiency:		DEFICIENT	5/18/2001				
Funding Eligibility:	1.01						***OUTFALL INS
Estimated New Structure Leng	gth:						UUIFALLIN
Estimated Structure Cost:	-				# OI	J TFALLS:]
Estimated Total Project Cost:						STATUS:	
Year of Cost Estimate:						NOTES:	
	come up with a new structure leng	er generated using algorithims in the generated using algorithims in the generated width to calculate a new are not from these numbers once site states and the second sec	ea which is taken times a repr				

Page 7 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

Septemb	er	07,	2023
	1:4	12:1	1PM

1633

CED SIGN INFORMATION*** PROBLEM

PROBLEM DIRECTION

NSPECTION INFORMATION***

INSPECTOR: DATE:

MODOT	-		Missouri Department of T	ransportation	
	1		State Bridge Inspection	on Report	
	COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-ID: 1322	BRIDGE: A16

Page 8 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 07, 2023 1:42:11PM

1633



COUNTY: PHELPS BRIDGE: A1633	REVIEW STATUS : APPROVED NBI STATUS : T RUN DATE · 5/16/2023 SUBMITTAL YEAR : 2023		
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT	RUN DATE : 5/16/2023 SUBMITTAL YEAR : 2023		
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION		
IStateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.132227Year Built1966106Year Reconstructed042AType of Service OnHIGHWAY21Structure MaintenanceSTATE HIGHWAY AGENCY22Structure OwnerSTATE HIGHWAY AGENCY33Br. Median CodeNO MEDIAN37Historical SignificanceNOT ELIGIBLE FOR NR OF HP101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY	5ARecord TypeROUTE CARRIED 'ON' STRUCT5BRoute Signing PrefixMO5CDesignated Level of ServiceMAINLINE5DRoute Number0000J5EDirectional SuffixNOT APPLICABLE7Facility CarriedRT J S12Base Hwy. NetworkNO13ALRS Inventory Route No.20Toll StatusON FREE ROAD26Functional Classification07-RURAL MAJOR COLLECTOR28ALanes on Structure02100STRAHNET DesignationRTE NOT A DEFENSE HWY		
112 NBIS Bridge Length YES	104 National Highway System NOT ON NHS		
	105 Federal Lands Highway NOT APPLICABLE 110 Designated Nat. Network NO		
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION		
4PlaceLIBERTYCode422489LocationS 3 T 36 N R 10 W11Milepoint0.04 miles16Latitude37 D 52 M 7 S17Longitude92 D 1 M 12 S	29AADT106530AADT Year2022102Direction of Traffic2-WAY TRAFFIC109AADT Truck Percent3%114Future AADT1598115Future AADT Year2042		
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION		
6Features IntersectedIS 4442BType of Service UnderHIGHWAY28BLanes Under Structure0454AVert. Clearance Ref.HIGHWAY54BVert. Clearance16 Ft. 6 In.55ARt. Lat Clear Ref.HIGHWAY55BRt. Lat Clearance10 Ft. 6 In.56Left Lat Clearance10 Ft. 6 In.38Navigation ControlN/A39Nav Vertical Clear0 Ft. 0 In.40Nav Horizontal Clear0 Ft. 0 In.111Nav. Pier Protection116Nav. Cl. Vert. Clear	10Inventory Rte. Vert. Clear99 Ft. 99 In.19By pass Detour Length25.00 miles32Approach Roadway Width23 Ft. 11 In.34Skew0.00 Degrees35Struct. FlaredNO47Total Horiz. Clear27 Ft. 11 In.48Maximum Span Length54 Ft. 2 In.49Structure Length187 Ft. 0 In.50ALeft Curb/Sidewalk Width0 Ft. 0 In.50BRight Curb/Sidewalk Width0 Ft. 0 In.51Curb to Curb Br. Width27 Ft. 11 In.52Deck Width (Out-Out)30 Ft. 10 In.53Vert.Clearance Over Deck99 Ft. 99 In.		

Design_No = a1633

Page: 1



COUNTY: PHELPS BRIDGE: A1633 RECORD TYPE: ROUTE CARRIED 'ON' STRUCT	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/16/2023SUBMITTAL YEAR :2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load H 15 41 Structure Status OPEN NO RESTRICTIONS 63 Oper. Rating Meth. ALLOWABLE STRESS 64 Operating Rating 42 Tons. 65 Inventory Rating Meth ALLOWABLE STRESS 66 Inventory Rating 21 Tons. 70 Bridge Posting Code =>LEGAL LOADS PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating 67.4 Percent Deficiency Rating NOT DEFICIENT Funding Eligibility Funding Eligibility	43AMain Strue. Mat typeCONCRETE CONTINUOUS43BMain strue Constr. TypeSLAB45# of Main Spans444AAppr Strue. Mat type00044BAppr Strue. Cnstr. type00046# of Approach Span0107Deck Mat/Constr.1 CONCRETE CIP108AWear Surf Mat/Constr.6 BITUMINOUS108BMembrane Mat/Constr.0 NONE108CDeck Protect Mat/Constr.0 NONE
75A Proposed Work	58 Deck Cond. Rating 6
75B Work Done By	59 Superstructure Cond. Rating 6
76New Struc Length0 Ft. 0 In.	60Substructure Cond. Rating6
94 Struc Improve Cost \$ 0,000	61 Channel /Channel Protection Cond. Rating N
95 Roadway Improve Cost \$ 0,000 96 Total Project Cost \$ 0,000	62 Culvert Cond. Rating N
97 Year of Cost Estimates 0	INSPECTION INFORMATION
	90 Gen. Insp Date 5 / 23
APPRAISAL RATING INFORMATION	91 Gen. Insp. Frequency 24 Months
36A Br. Rail App. Rating DOES NOT MEET ACCEPT STND 2CD T T T	92A Frac. Critical Inspection N Months
36BTransition Rail App. RatingDOES NOT MEET ACCEPT STND36CApproach Rail App. RatingMEETS ACCEPTBLE STND	93A Frac. Critical Insp. Date 92B Underwater Inspection N Months
36D Rail End Treat. App. Rating DOES NOT MEET ACCEPT STND	93B Underwater Insp. Date
67 Struc Eval App. Rating 5	92C Special Inspection N Months
68 Deck Geometry App. Rating 5	93C Special Inspection Date
69 Underclearance App. Rating 4	BORDER BRIDGE INFORMATION
71 Waterway Adeq. App. Rating N	98 Neighboring State Code
72 Approach Road App. Rating 8	98B Neighboring State % Respon
113 Scour Assess App. Rating N	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-1	Field Posting Category S-1
Ton1 Ton2 Ton3	Tonl Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
NO POSTING REQUIRED	NO POSTING REQUIRED
Design_No = a1633	
Page:	2



COUNTY:PHELPSBRIDGE:A1633RECORD TYPE:1 RTE THAT GOES 'UNDER' S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/16/2023SUBMITTAL YEAR :2023
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.132227Year Built1966106Year Reconstructed042AType of Service OnHIGHWAY21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY112NBIS Bridge Length	5ARecord Type1 RTE THAT GOES 'UNDER' SCode : A5BRoute Signing PrefixIS5CDesignated Level of ServiceMAINLINE5DRoute Number000445EDirectional SuffixNOT APPLICABLE7Facility CarriedRT J S12Base Hwy. Network.13ALRS Inventory Route No.13BSubroute No.20Toll StatusON FREE ROAD26Functional Classification01-RU PRINCIPL ARTRIAL-IS28ALanes on Structure02100STRAHNET DesignationON A DEFENSE HWY104National Highway SystemON NHS
	105 Federal Lands Highway
STRUCTURE LOCATION INFORMATION	110 Designated Nat. Network YES STRUCTURE TRAFFIC INFORMATION
	15507
4 Place LIBERTY Code 42248	29 AAD1 2002
9 Location S 3 T 36 N R 10 W	30 AADT Year 2022 102 Direction of Traffic 1-WAY TRAFFIC
11 Milepoint 170.07 miles	109 AADT Truck Percent 29%
16 Latitude 37 D 52 M 7 S	114 Future AADT
17 Longitude 92 D 1 M 12 S	115 Future AADT Year
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION
6 Features Intersected IS 44	10 Inventory Rte. Vert. Clear 18 Ft. 3 In.
42B Type of Service Under HIGHWAY	19 By pass Detour Length 0.00 miles
28B Lanes Under Structure 02	32 Approach Roadway Width
54A Vert. Clearance Ref.	34 Skew
54B Vert. Clearance	35 Struct. Flared
55A Rt. Lat Clear Ref.	47 Total Horiz. Clear 27 Ft. 11 In.
55B Rt. Lat Clearance	48 Maximum Span Length 54 Ft. 2 In.
56 Left Lat Clearance	49 Structure Length 187 Ft. 0 In.
38 Navigation Control	50A Left Curb/Sidewalk Width
39 Nav Vertical Clear	50B Right Curb/Sidewalk Width
40 Nav Horizontal Clear	51 Curb to Curb Br. Width
111 Nav. Pier Protection	52 Deck Width (Out-Out)
116 Nav. Cl. Vert. Clear	53 Vert.Clearance Over Deck

Design_No = a1633

Page: 1



COUNTY: PHELPS BRIDGE: A1633	REVIEW STATUS : APPROVED NBI STATUS : T			
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S	RUN DATE : 5/16/2023 SUBMITTAL YEAR : 2023			
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION			
31 Design Load 41 Structure Status 63 Oper. Rating Meth. 64 Operating Rating 65 Inventory Rating Meth 66 Inventory Rating 70 Bridge Posting Code PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating Deficiency Rating Funding Eligibility 75A Proposed Work 75B Work Done By 76 New Struc Length	43A Main Struc. Mat type CONCRETE CONTINUOUS 43B Main struc Constr. Type SLAB 45 # of Main Spans 44A Appr Struc. Mat type 44B 44B Appr Struc. Cnstr. type 46 # of Approach Span 107 Deck Mat/Constr. 108A Wear Surf Mat/Constr. 108B Membrane Mat/Constr. 108C Deck Protect Mat/Constr. 58 Deck Cond. Rating 59 Superstructure Cond. Rating 60 Substructure Cond. Rating			
94 Struc Improve Cost	61 Channel /Channel Protection Cond. Rating			
95 Roadway Improve Cost 96 Total Project Cost 97 Year of Cost Estimates	62 Culvert Cond. Rating INSPECTION INFORMATION			
APPRAISAL RATING INFORMATION	90 Gen. Insp Date 91 Gen. Insp. Frequency			
 36A Br. Rail App. Rating 36B Transition Rail App. Rating 36C Approach Rail App. Rating 36D Rail End Treat. App. Rating 67 Struc Eval App. Rating 68 Deck Geometry App. Rating 	92AFrac. Critical Inspection93AFrac. Critical Insp. Date92BUnderwater Inspection93BUnderwater Insp. Date92CSpecial Inspection93CSpecial Inspection Date			
69 Underclearance App. Rating	BORDER BRIDGE INFORMATION			
71 Waterway Adeq. App. Rating 72 Approach Road App. Rating 113 Scour Assess App. Rating	98Neighboring State Code98BNeighboring State % Respon99Neighboring State Struc. No.			
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION			
Approved Posting Category Ton1 Ton2 Ton3	Field Posting Category Ton1 Ton2 Ton3			
Tonnage Values for Posting Sign General Text for Posting Sign	Tonnage Values for Posting Sign General Text for Posting Sign			
Design_No = a1633 Page: 2				



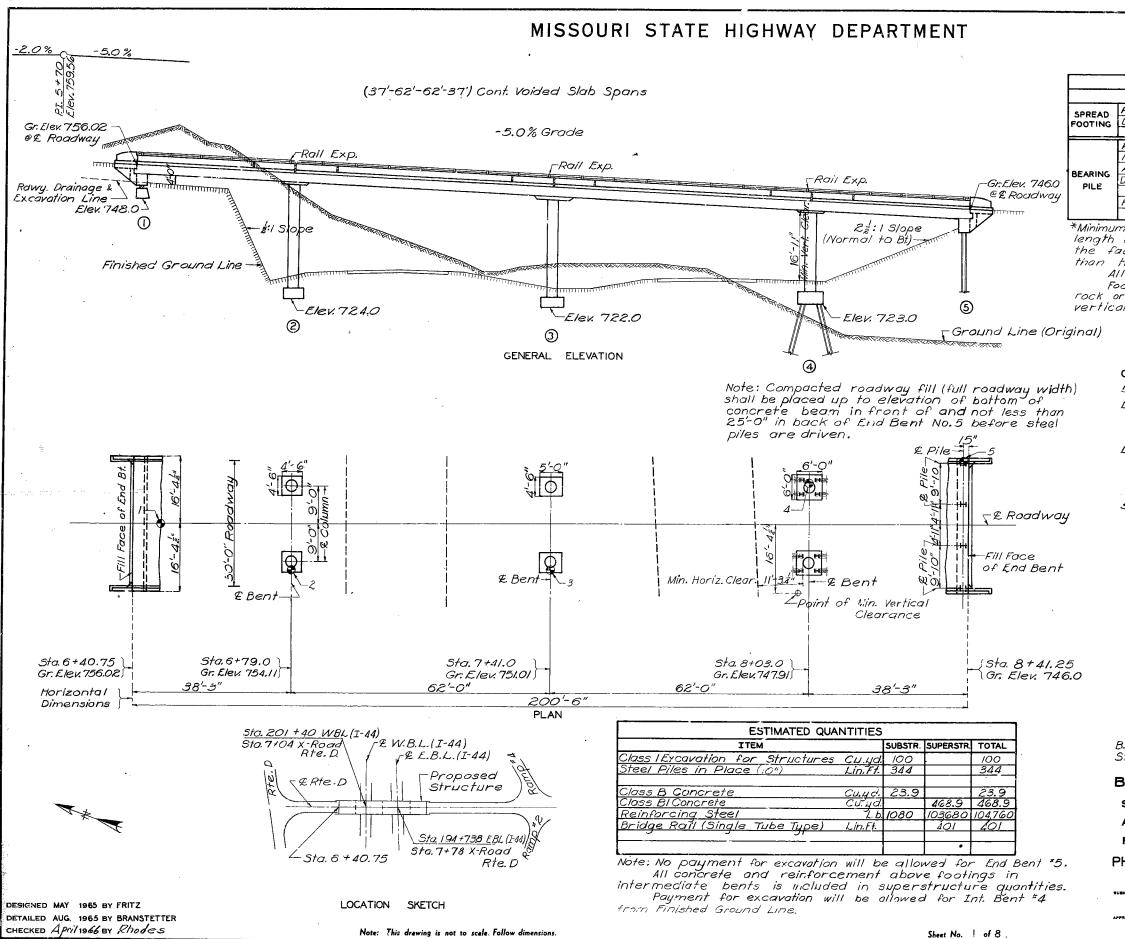
COUNTY:PHELPSBRIDGE:A1633RECORD TYPE:2ND RTE THAT GOES 'UNDR'S	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/16/2023SUBMITTAL YEAR :2023
GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.132227Year Built1966106Year Reconstructed042AType of Service OnHIGHWAY21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPORARY112NBIS Bridge Length	5ARecord Type2ND RTE THAT GOES 'UNDR'S Code : B5BRoute Signing PrefixIS5CDesignated Level of ServiceMAINLINE5DRoute Number000445EDirectional SuffixNOT APPLICABLE7Facility CarriedRT J S12Base Hwy. Network-13ALRS Inventory Route No13BSubroute No20Toll StatusON FREE ROAD26Functional Classification01-RU PRINCIPL ARTRIAL-IS100STRAHNET DesignationON A DEFENSE HWY104National Highway SystemON NHS
	105 Federal Lands Highway
	110 Designated Nat. Network YES
STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION
4 Place LIBERTY	29 AADT 14422
Code 42248	30 AADT Year 2022
9 Location S 3 T 36 N R 10 W	102 Direction of Traffic 1-WAY TRAFFIC
11 Milepoint 124.88 miles	109 AADT Truck Percent 29%
16 Latitude 37 D 52 M 7 S	114 Future AADT
17 Longitude 92 D 1 M 12 S	115 Future AADT Year
UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION
6 Features Intersected IS 44 42B Type of Service Under HIGHWAY 28B Lanes Under Structure 02 54A Vert. Clearance Ref. 54B 55A Rt. Lat Clear Ref. 55B 55B Rt. Lat Clearance 55B	10Inventory Rte. Vert. Clear16 Ft. 6 In.19By pass Detour Length0.00 miles32Approach Roadway Width34Skew35Struct. Flared47Total Horiz. Clear27 Ft. 11 In.48Maximum Span Length54 Ft. 2 In.
56 Left Lat Clearance 38 Navigation Control 39 Nav Vertical Clear 40 Nav Horizontal Clear 111 Nav. Pier Protection 116 Nav. Cl. Vert. Clear	49Structure Length187 Ft. 0 In.50ALeft Curb/Sidewalk Width50BRight Curb/Sidewalk Width51Curb to Curb Br. Width52Deck Width (Out-Out)53Vert.Clearance Over Deck

Design_No = a1633

Page: 1



COUNTY: PHELPS BRIDGE: A1633	REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S	RUN DATE : 5/16/2023 SUBMITTAL YEAR : 2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load 41 Structure Status 63 Oper. Rating Meth. 64 Operating Rating 65 Inventory Rating Meth 66 Inventory Rating 70 Bridge Posting Code PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating Deficiency Rating Funding Eligibility 75A Proposed Work 75B Work Done By 76	43A Main Strue. Mat type CONCRETE CONTINUOUS 43B Main strue Constr. Type SLAB 45 # of Main Spans 44A 44A Appr Strue. Mat type 44B 44B Appr Strue. Cnstr. type 46 46 # of Approach Span 46 107 Deck Mat/Constr. 46 108A Wear Surf Mat/Constr. 46 108B Membrane Mat/Constr. 46 108C Deck Protect Mat/Constr. 46 58 Deck Cond. Rating 59 59 Superstructure Cond. Rating 59
94 Struc Improve Cost 95 Roadway Improve Cost 96 Total Project Cost	60 Substructure Cond. Rating 61 Channel /Channel Protection Cond. Rating 62 Culvert Cond. Rating INSPECTION INFORMATION
97 Year of Cost Estimates	90 Gen. Insp Date
APPRAISAL RATING INFORMATION 36A Br. Rail App. Rating 36B Transition Rail App. Rating 36C Approach Rail App. Rating 36D Rail End Treat. App. Rating 67 Struc Eval App. Rating 68 Deck Geometry App. Rating	91Gen. Insp. Frequency92AFrac. Critical Inspection93AFrac. Critical Insp. Date92BUnderwater Inspection93BUnderwater Insp. Date92CSpecial Inspection93CSpecial Inspection Date
69 Underclearance App. Rating	BORDER BRIDGE INFORMATION
71 Waterway Adeq. App. Rating 72 Approach Road App. Rating 113 Scour Assess App. Rating	98 Neighboring State Code 98B Neighboring State % Respon 99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign	Field Posting Category Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign
Design_No = a1633 Page:	2



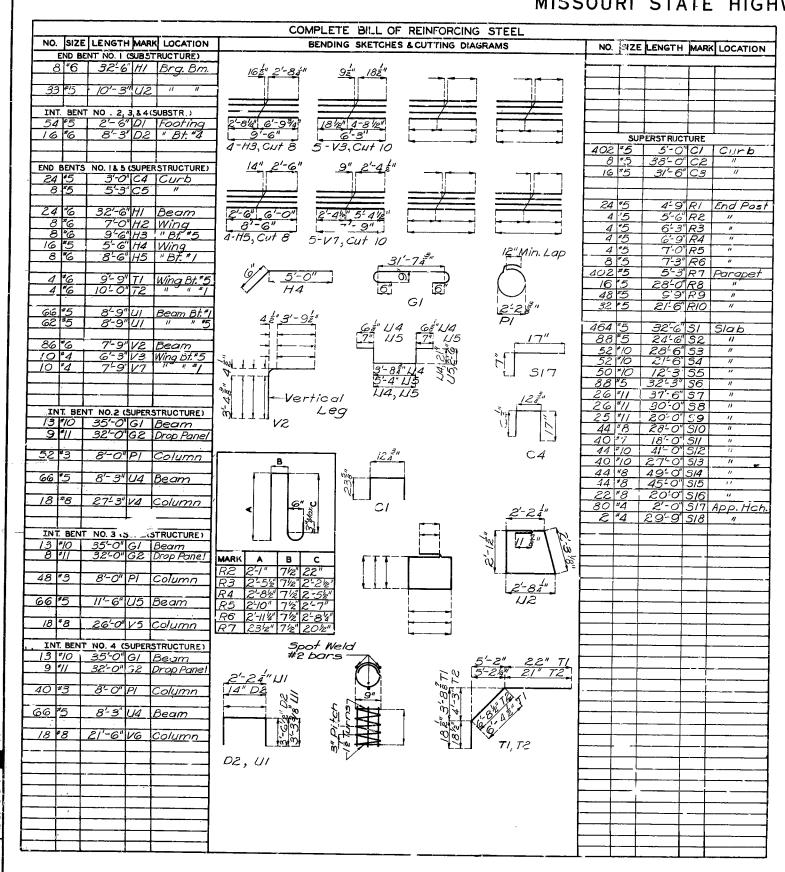
· · · ·

THE FINAL DUANS BROWN LINES

N

•

-	NT						,		<u> </u>	_
		FED.	ROAD	STATE	FEI	D. AID	FISCAL	SHFET	TOTAL	
	ł	DIST.	NO.		PRO	J. NO.	YEAR	NO.	SHEETS	
		L	,	MO.			19	122	<u>'</u>	
	FOOTING AND PILE DA	ATA				·				
	BENT NO.	/	2	===		4	5			
		70CK 1.4	<u>кос</u> 8,2	<u> Roc</u> 9.						
_		//+		3.	9					
	Pile Type & Size					IOB	P42			
	Number					4	4			
	Approximate Length Ft. Design Bearing Value Tons					22	42			
	Design Bearing Value Tons					<u>42</u>	28			
	Hammer Energy Regd* Ft. Ibs				9	900	7000			
2 2 4	m Energy requirement o and design bearing val actor (W+w)/2W whe the weight of the pi Il pile shail be drive, polyings shall be carried or 18" into soft rock or al faces of same for	lue en le n 6"	of the (w) ro	pila ≥ r p∵a	es. an ac	n n tic	ore (W) al	is is	by less" Jusal.	ed
	GENERAL NOTES: Design Specifications Design Loading: H2O-44 IS#/sq.fr Earth 120# Equival Design Unit Stresses: Class B Concrete (su Class BI Concrete (su Class BI Concrete (su Reinforcing Steel f Steel Pile: (ASTM A Surface Seal: Superstructure de	t Fi lent ibst supe fs= -36	1+01 + Fl ers: 20,1 -62	turid turid true ()		fc= fc= Jre si = 90	=1,20) fc=)000	e 30 0 p: 1,60 psi	94 90 pai	
	Note: For Boring No.5 of 8 . "⊕" Indicates locatio						eet			Ň
4	B.M. Elev. 798.89 Nail in Sta. 206+21.1 Outer Rdv	tо; му.	с б Lt.	" B. (LI.	1 5. c	1. S 3. S.	tum Do	p 2 tum	25'Rt.)	
ļ	BRIDGE ROUTE D U	JND	FR	<u>אכ</u>	S					
1		•								
	STATE ROAD INTERSTATE	F	1001	Έ	44	ļ				1
	ABOUT 0.5 MILE S. W	. C	DF	AR		IGTO	N			
	PROJECT NO.I-IG-44-2(44)									
	FRUJECT NU.1-1G-4 4-2(44)						+ 40			
F	PHELPS	C	ЭU	NT	Y					
\$ 1	UBNITTED BY D B Jenkins DATI	6/9	166							
	BRIDGE ENGINEER							5	D.54.00	1
A.1	PROVED BY M. Anider DATH	e 6 9	166		檜	帕金爾				
	\mathcal{U}					16.94) 16.94)	31 A 68	A	-1634	1
		<u> </u>						- ,		4



Ì.€

ter ou

•

Revised Dec 1964

30.3

1 I

DETAILED JULY 1965 BY BRANSTETTER

CHECKED April 1966 BY Rhodes

MISSOURI STATE HIGHWAY DEPARTMENT

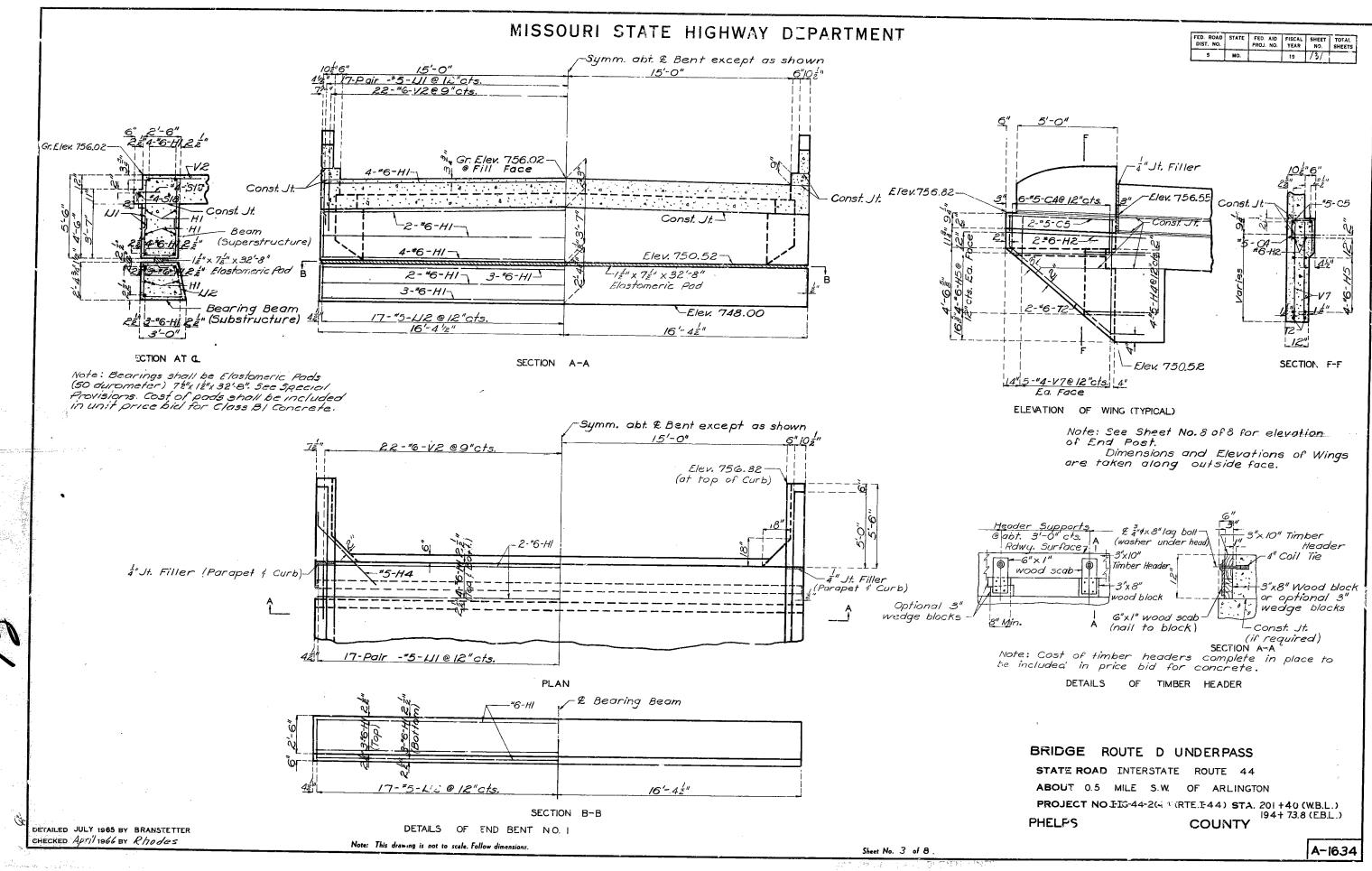
Note: This drawing is not to scale. Follow dimensions

1853 A. 1986

•	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	5	MO.		19	130	

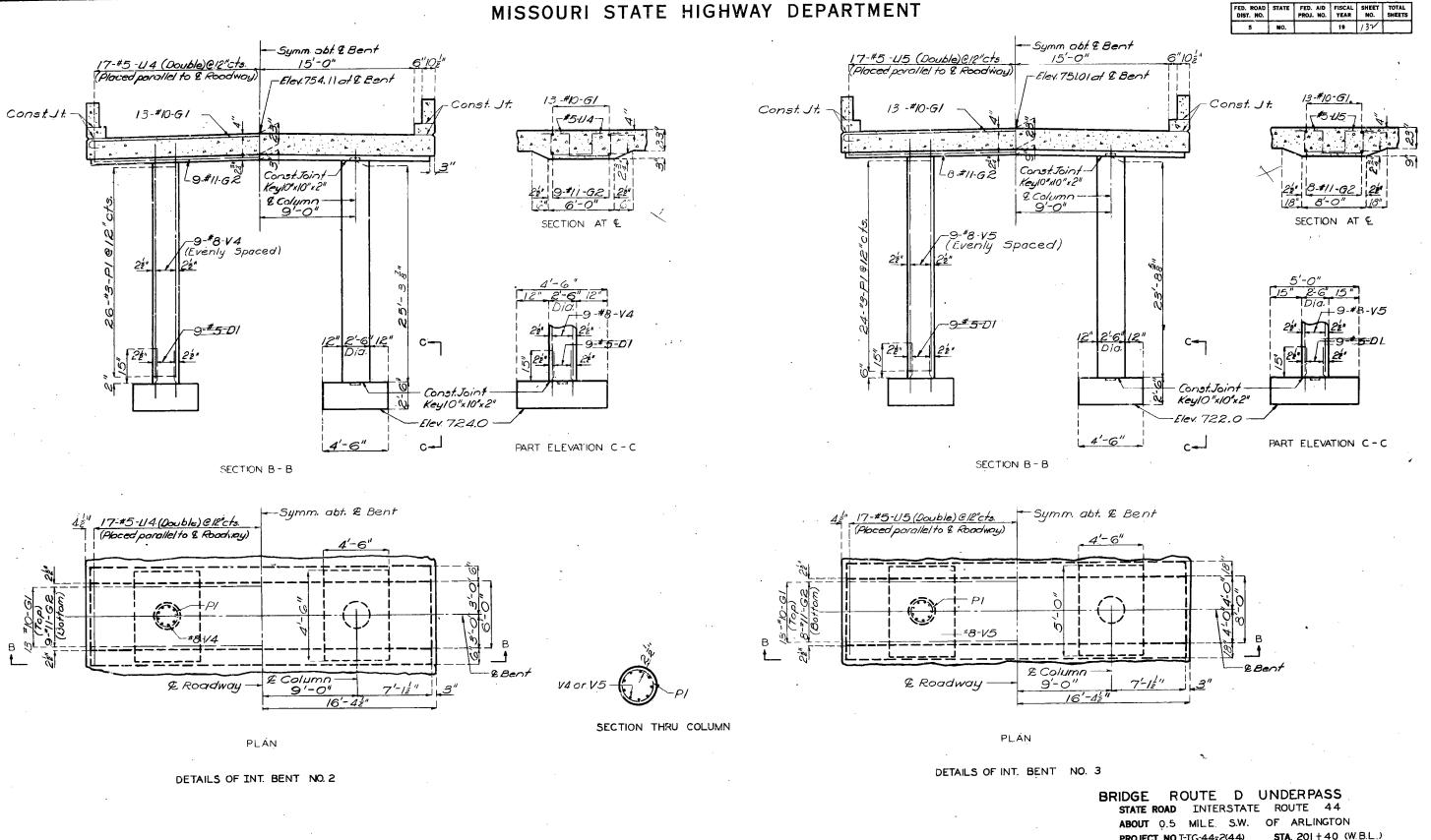
BRIDGE ROUTE D UNDERPASS STATE ROAD INTERSTATE ROUTE 44 ABOUT 0.5 MILE S.W. OF ARLINGTON PROJECT NO.FIG-44-2(44)(RTE.I-44) STA 201+40 (W.B.L.) 194+73.8(E.B.L.) PHELPS COUNTY A-1634

, 3



FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
5	MO,		19	/3/	





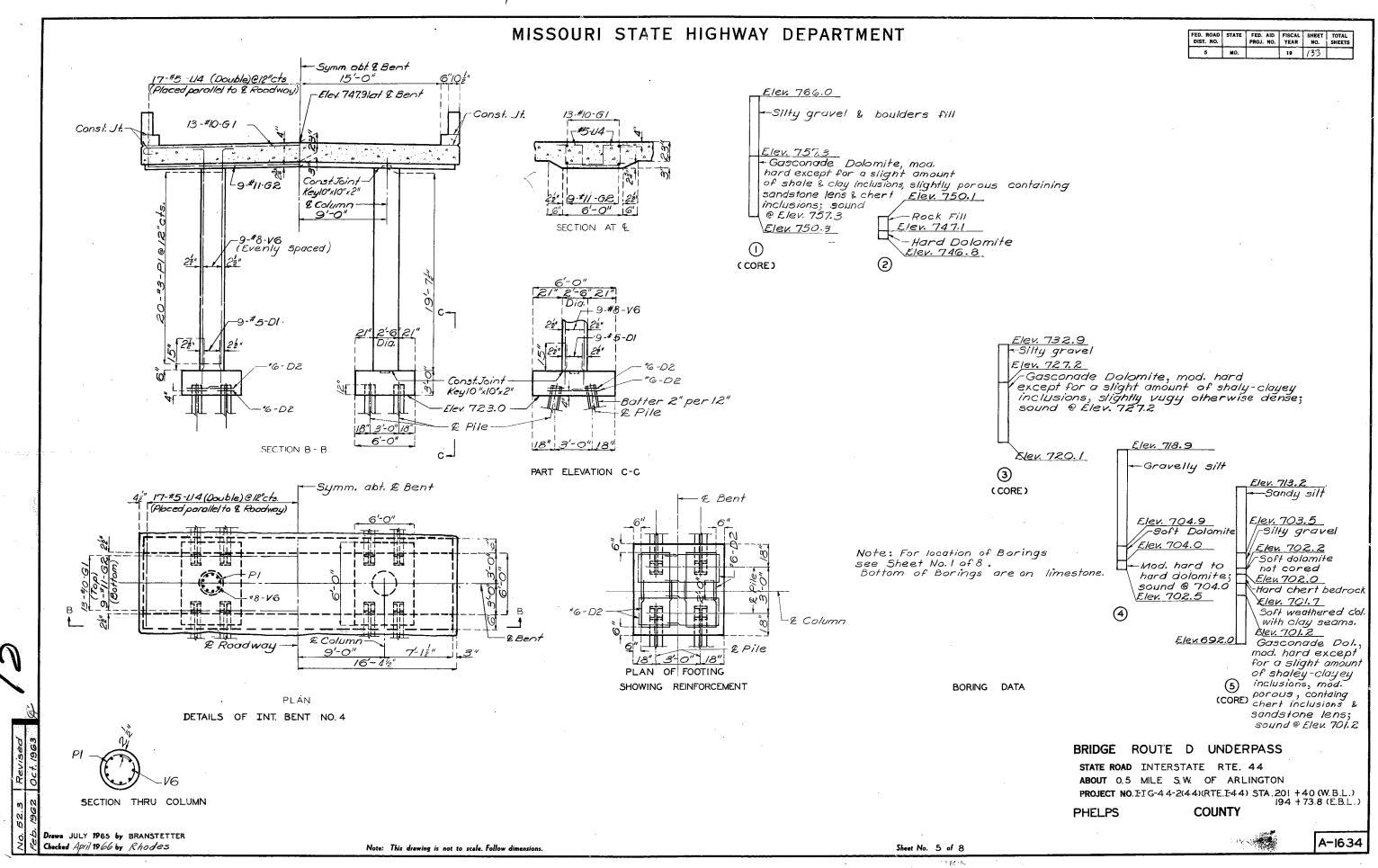
Drawn JUNE 1965 by BRANSTETTER Checked April 1966 by Rhodes

Sheet No. 4 of 8

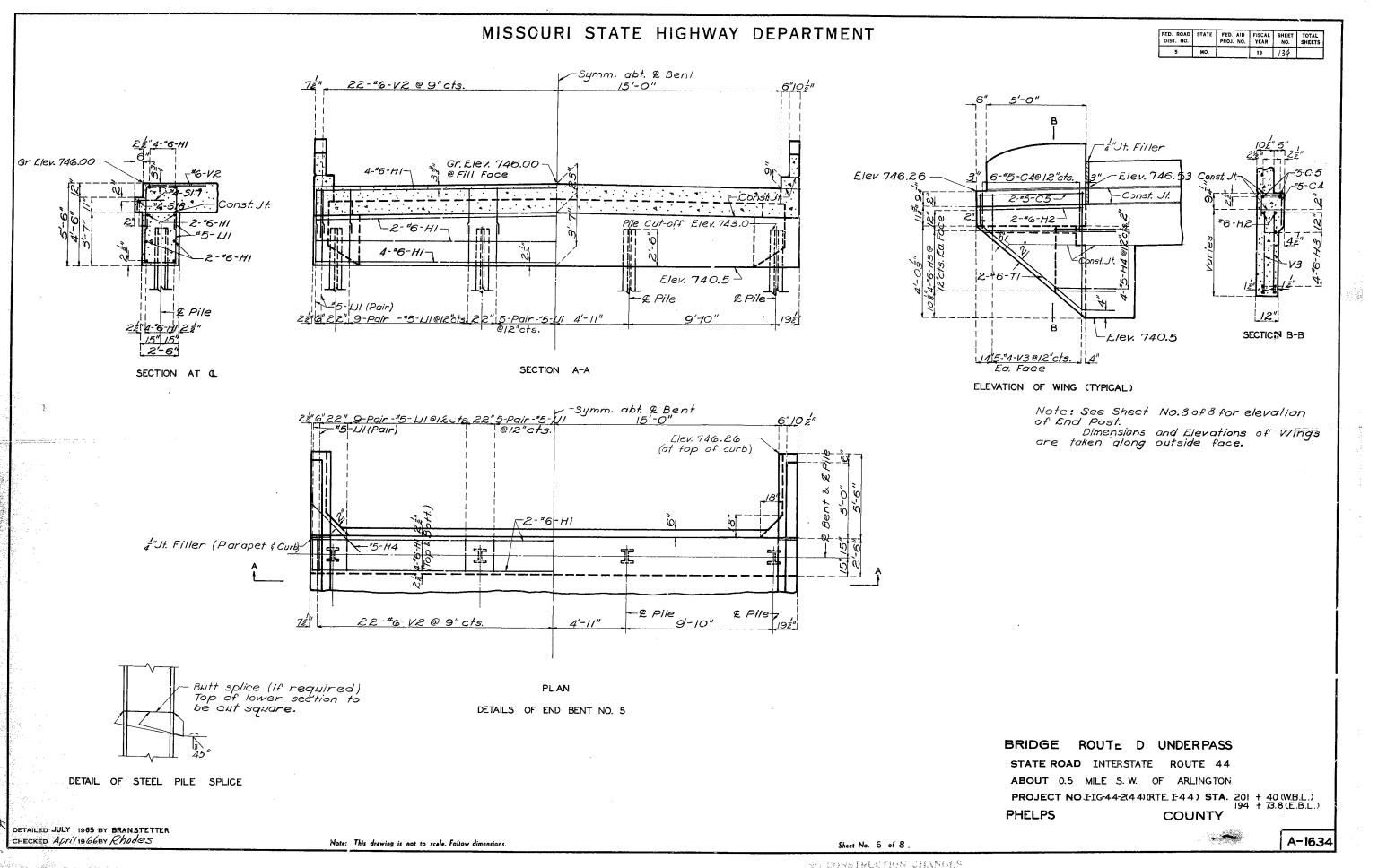
PROJECT NO.I-IG-44=2(44) STA. 201 + 40 (W.B.L.) (RTE. I-44) 194 + 73.8(E.B.L.) COUNTY PHELPS in the second second

A-1634

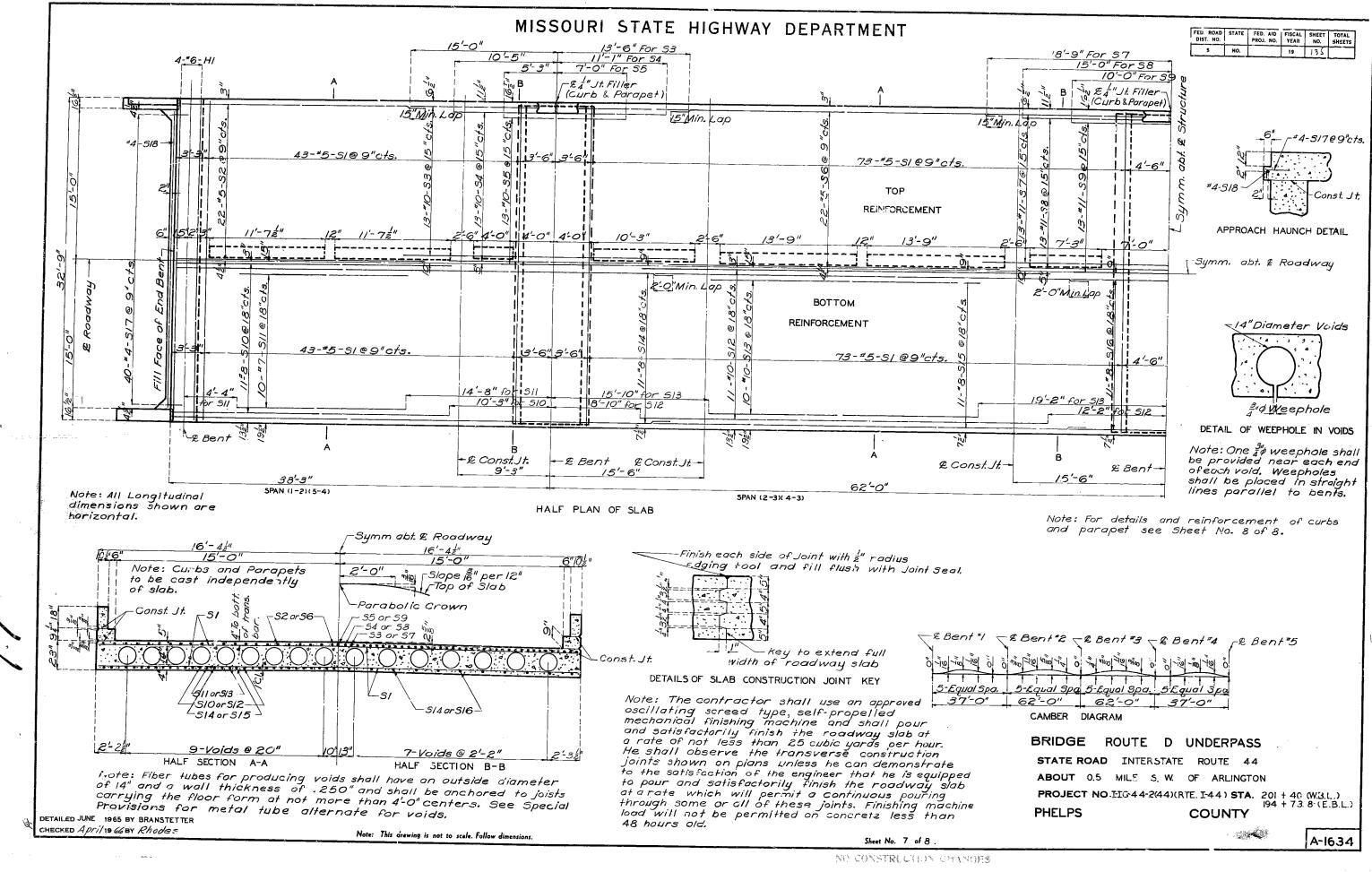
(He had



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO,		19	133	

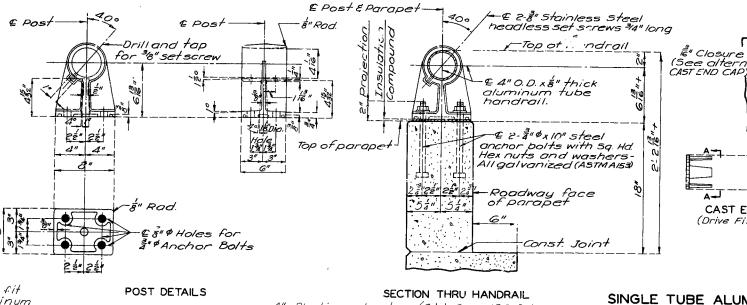


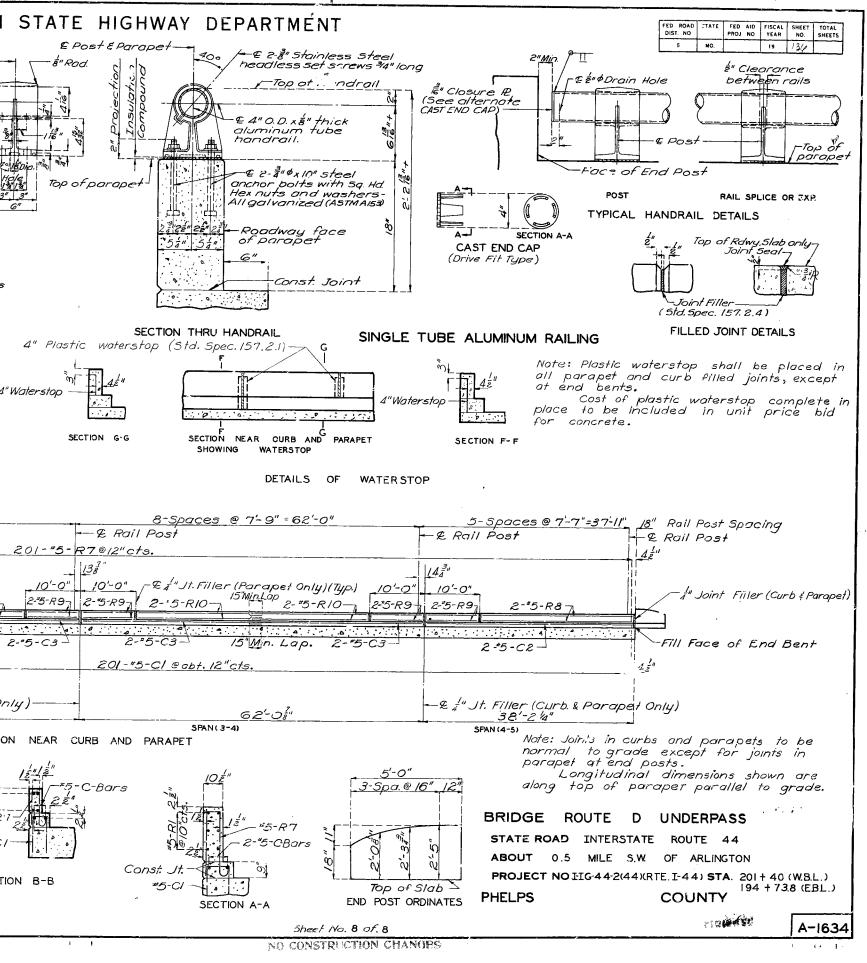
HE CONSTRUCTION CHANGES

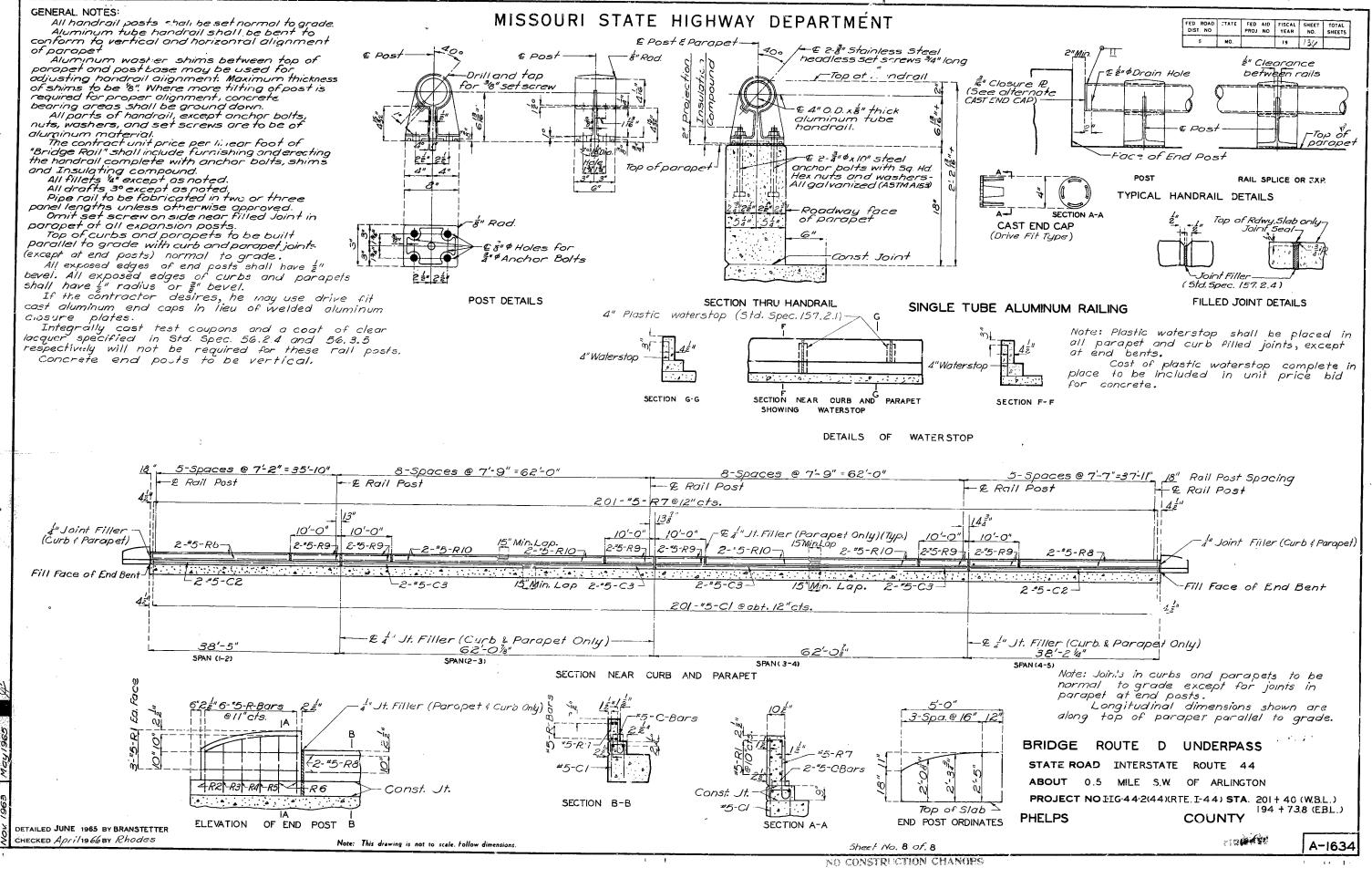


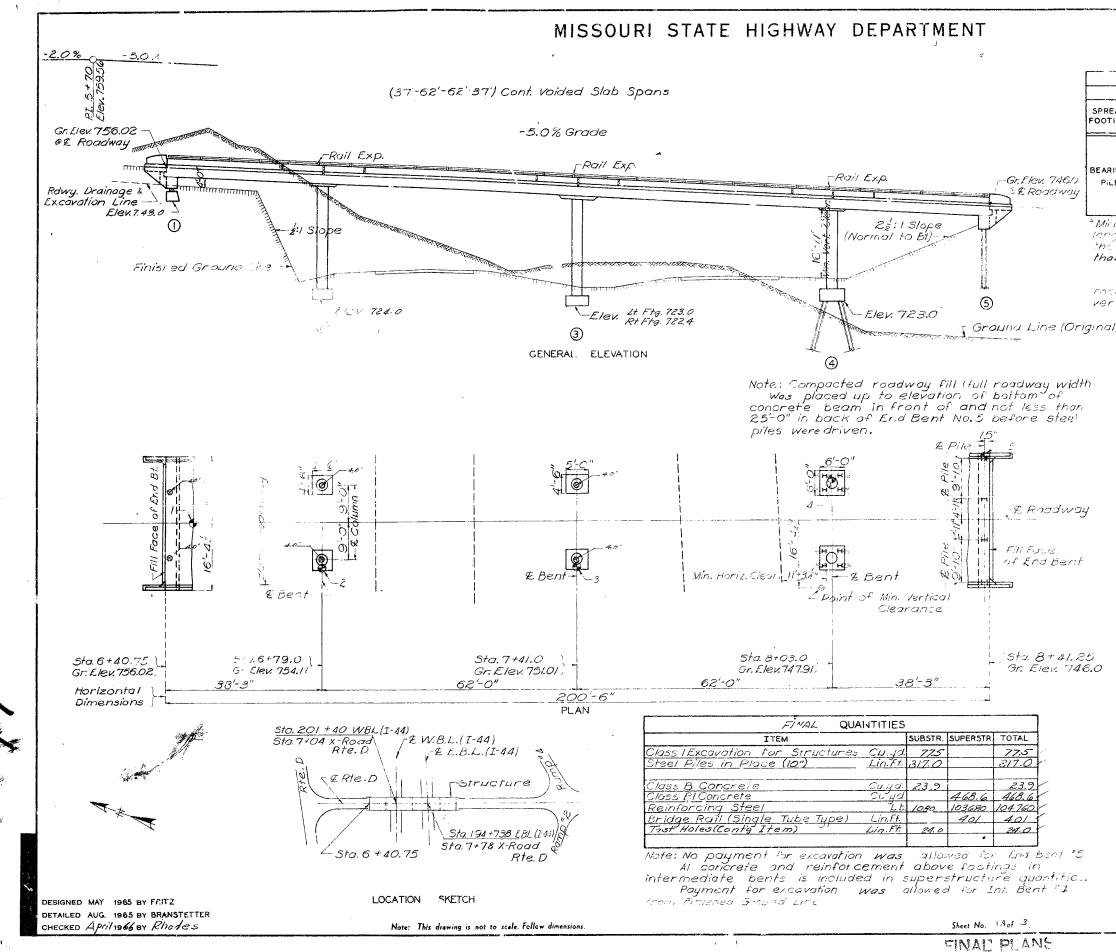
Aluminum tube handrail shall be bent to

Top of curbs and parapets to be built parallel to grade with curb and parapet joints

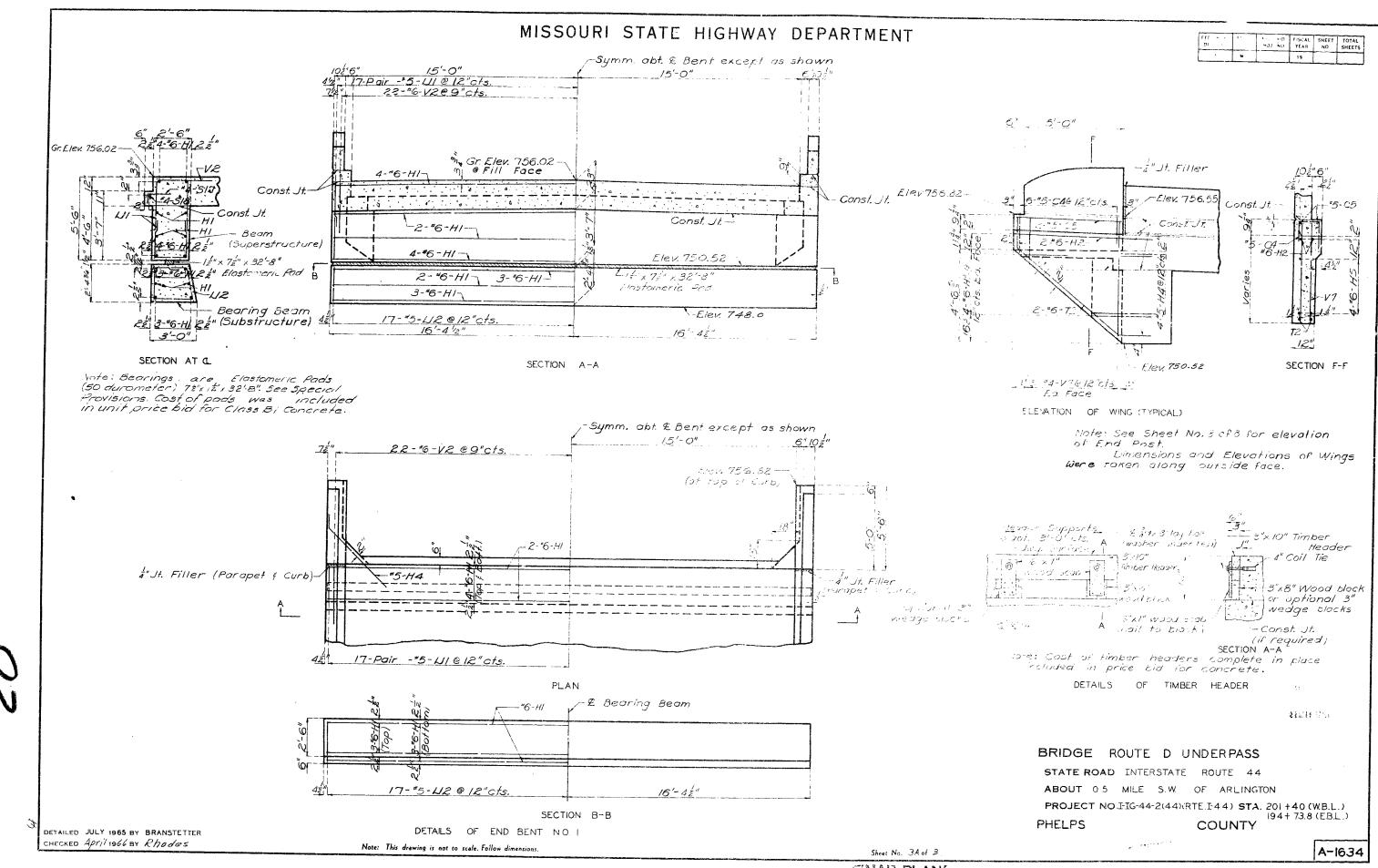








-	and the second						•	
				A.F	++D 41D	HISCAL	SPELT	
	1	, 	NO		PRC1 ND	YEAR	NO	TOTAL SHEETS
		L		M		19		
							s	
	FOOTING AND PILE D	ATA	·					
	BENT NO.	/	2	3	4_	5		
EAD FING	Foundation Material Design Brg Tons/Sq Ft.	<u>Rock</u> 1.4	KOCK	9.6				
					4			
	Pile Type & Size					P42		
	Number Anoroximote Length Ft				22	42		
RING	Design Bearing Value Tons			+		28		
LF	Hammer Energy Regd* Ft. Ibs				9900			
		- (10						
arcui ath	m Energy requirement - and Sesial bearing v.	ot n shec	an ir of	oile	pase 15. Ti	ea o ncre	ח מיח	ar bu
~ 4	and desiry "bearing vo actes (W+w)/EW wh	eri	tte	r	om	$(\nu\nu)$	15	less"
	the weight of the e							
E.	Il pile was driven to re potings were can en	0	Wilsa	Tic.	ICA.	solid,	w .	a, sturbed
CK2 6	F 18" 1170 304 + 105k - 0	1-51	76710	on	d ca	ist a	agai	nst
rtic	al faces of same for	Bts	. No	. <i>I</i> , .	223	3.		
1)								
• /								
	GENERAL NOTES							
	Design Specifications	5 A.	4. <i>5.</i> /	1.0.	- 1961			
	Design Leading:							-
	H20-44 15#/sq	ft Fi	stur	eИ	learii	ng S	Surfe	ce
	Earth 120# Equive	ilen [.]	+ FIL	iid	Pres	sura	e 30	¢#
	Design Unit Stresses							
	Class B Concrete (s	subsi	truc	ture	e) fc	=1,20	ю, :	5/
	Class Bl Concrete (sup	erst	ruc	ture			
	Reinforcing Steel Steel File: (ASTM .	15 =	20,0	200	psi K- D	000		
	Surface Seal:	<u>~ ~</u>	1221	/ -	<i>D</i> - 9		ρε,	
	Superstructure d	deck	Wa	5 3	surfa	ice :	seai	led
		~	,	_	~1	,		
	Note: For Baring No.5 268 .	$\mathcal{D}a$	ra.	Se	e Sh	eet		
	© Indicates locati	ion i	of E	sori	ing.			
	S' Indicates location				0			
		_, , .	,,,					
	•							
	B.M. 746.36 D on S.W. C.	orner	0,000	2urt	Bt	#5		
	Rtc. D. Sta. 8+41.25							
	BRIDGE ROUTE D	UND	DERF	PAS	s	• []	16ARI	,
	STATE ROAD INTERSTAT	E	ROUT	E	44	। ≉ावली)		
	ABOUT 0.5 MILE S.					ON		
							/1A1 -	
	PROJECT NO.I-IG-44-2(44	4) (RT	t.14	4)51	A. 20	4+ 40 4+ 73	.8(F	.∟.) B.L.)
	PHELPS	С	OUI	NT				
								ļ
	SUN ATT SC AV L BUNGE ENGINEER	DATE .6/1	9,66	,	14130	t ei		
	and the second second		-		-1:13 %	- 107	[sī	L-54.00
	APPROVED BY THE SHOW THE PHONE PHONE	DATE 6/	9/66				-	
	1						<u> </u>	-1634
							1	1

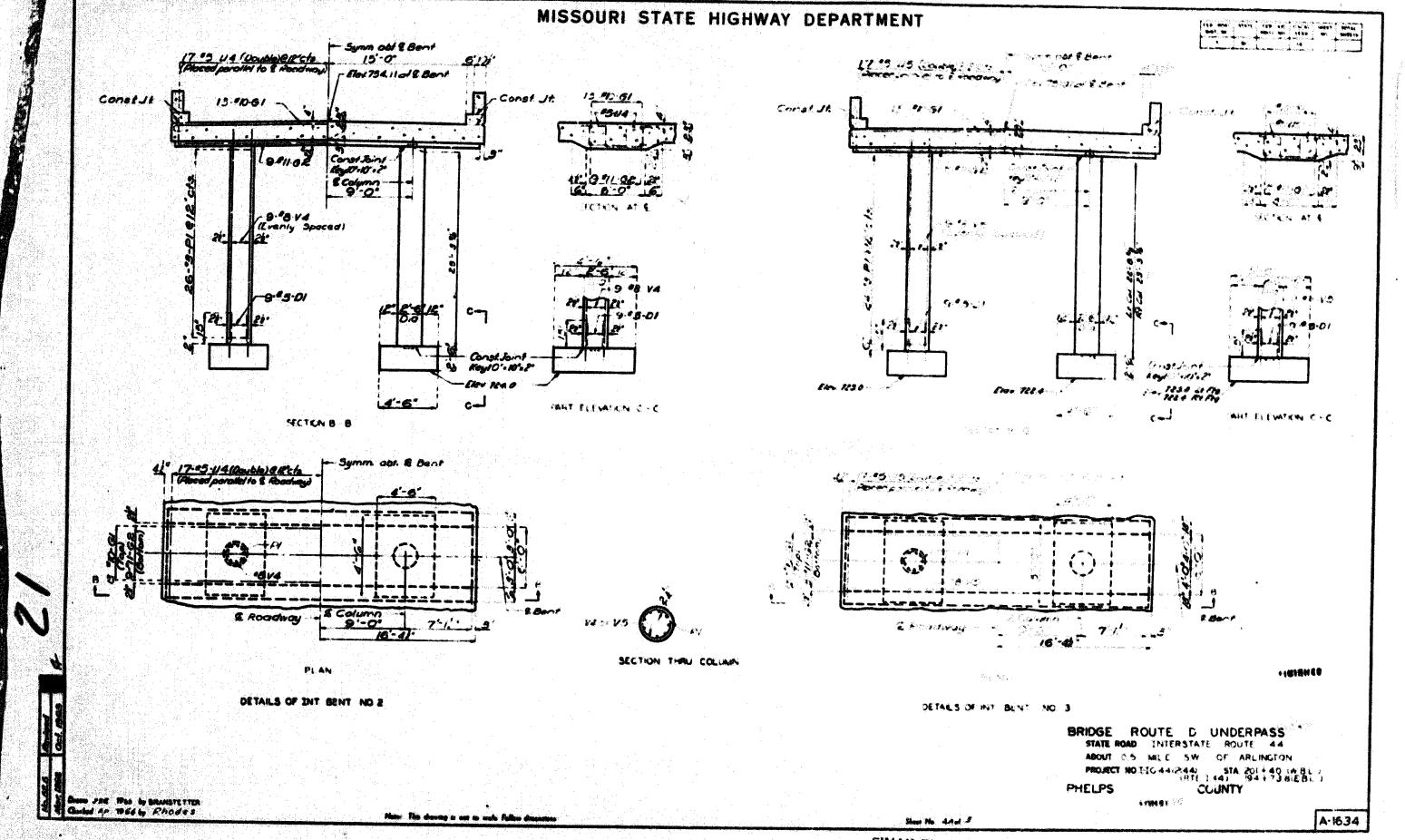


FFT + Di	· ·	4., 410 401 NO	FISCAL YEAR	SHEET	TOTAL
· ·	u		19		



*





FINAL PLANS

AL**:	CLASS	PLACE LEI MAXIMUM APPROACH ROAI CURB TO OUT TO AADT AADT	FED-ID: 1 CODE: 01918 ARLINGT NGTH: 201 FT 0 IN I SPAN: 62 FT 0 IN DWAY: 24 FT 0 IN CURB: 30 FT 0 IN O OUT: 32 FT 8 IN AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706	ON ***I CALCU	DATE: 05/22 FREQUENCY: 24 TEAM LEADER: JOE (INSPECTOR 2: INSPECTOR 3: ** When calculated interv G INDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comm
GENERAL STRUCTURE II # SPANS: 4 LANES ON: 2 LANES UNDER: 4 COMPASS DIRECTION: NORTH DIRECTION OF TRAFFIC: 2-WAY FUNCTIONAL CLASS: RL-MA NBI OWNER: MODOT NBI MAINTAINED: MODOT NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: OR 3: OR 4:	NFORMATION ³ I to SOUTH TRAF JOR COLLECTOR T 5 S CION ATEGORY: NBI: METHOD:	*** PLACE LEI MAXIMUM APPROACH ROAJ CURB TO OUT TO AADT TI AADT TI FUTURE	CODE: 01918 ARLINGTO NGTH: 201 FT 0 IN I SPAN: 62 FT 0 IN DWAY: 24 FT 0 IN CURB: 30 FT 0 IN O OUT: 32 FT 8 IN AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	ON ***I CALCU	***BR DATE: 05/22 FREQUENCY: 24 TEAM LEADER: JOE O INSPECTOR 2: INSPECTOR 3: ** When calculated interv G NDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uuency, a justification comm
# SPANS: 4 LANES ON: 2 LANES UNDER: 4 COMPASS DIRECTION: NORTH DIRECTION OF TRAFFIC: 2-WAY FUNCTIONAL CLASS: RL-MA. NBI OWNER: MODOT NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: OR 3: OR 4:	I to SOUTH TRAF JOR COLLECTOR Γ S S CION*** ATEGORY: NBI: METHOD:	PLACE (LEI MAXIMUM APPROACH ROAI CURB TO OUT TO AADT TI AADT TI FUTURE	NGTH: 201 FT 0 IN I SPAN: 62 FT 0 IN DWAY: 24 FT 0 IN CURB: 30 FT 0 IN O OUT: 32 FT 8 IN AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	***I CALCU	DATE: 05/22/ FREQUENCY: 24 TEAM LEADER: JOE C INSPECTOR 2: INSPECTOR 3: ** When calculated interv G INDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
LANES ON: 2 LANES UNDER: 4 COMPASS DIRECTION: NORTH DIRECTION OF TRAFFIC: 2-WAY FUNCTIONAL CLASS: RL-MA NBI OWNER: MODOT NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: OR 3: OR 4:	TRAF JOR COLLECTOR F S S CION*** ATEGORY: NBI: METHOD:	LEI MAXIMUM APPROACH ROAI CURB TO OUT TO AADT T AADT TI FUTURE	NGTH: 201 FT 0 IN I SPAN: 62 FT 0 IN DWAY: 24 FT 0 IN CURB: 30 FT 0 IN O OUT: 32 FT 8 IN AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	***I CALCU	FREQUENCY: 24 TEAM LEADER: JOE C INSPECTOR 2: INSPECTOR 3: ** When calculated interv G NDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uuency, a justification comr
LANES UNDER: 4 COMPASS DIRECTION: NORTH DIRECTION OF TRAFFIC: 2-WAY FUNCTIONAL CLASS: RL-MA. NBI OWNER: MODOT NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE OUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: 'OR 3: 'OR 4:	TRAF JOR COLLECTOR F S S CION*** ATEGORY: NBI: METHOD:	MAXIMUM APPROACH ROAL CURB TO OUT TO AADT T AADT TI FUTURE	I SPAN: 62 FT 0 IN DWAY: 24 FT 0 IN CURB: 30 FT 0 IN O OUT: 32 FT 8 IN AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	***I CALCU	TEAM LEADER: JOE C INSPECTOR 2: INSPECTOR 3: ** When calculated interv G NDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
COMPASS DIRECTION: NORTH DIRECTION OF TRAFFIC: 2-WAY T FUNCTIONAL CLASS: RL-MA. NBI OWNER: MODOT NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: OR 3: OR 4:	TRAF JOR COLLECTOR F S S CION*** ATEGORY: NBI: METHOD:	APPROACH ROAL CURB TO OUT TO AADT AADT TI FUTURE	DWAY: 24 FT 0 IN CURB: 30 FT 0 IN O OUT: 32 FT 8 IN AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	***I CALCU	INSPECTOR 2: INSPECTOR 3: *** When calculated interv G UNDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
FUNCTIONAL CLASS: RL-MA. NBI OWNER: MODOT NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA 'OR 3: 'OR 4: ion comment per BIRM is required.	JOR COLLECTOR F F S FION*** ATEGORY: NBI: METHOD:	OUT TO AADT AADT TI FUTURE	D OUT: 32 FT 8 IN AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	INSPECTOR 3: ** When calculated interv G INDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: yuency, a justification comr
NBI OWNER: MODOT NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: 'OR 3: 'OR 4: ion comment per BIRM is required.	Г Г S TION*** ATEGORY: NBI: METHOD:	AADT AADT TI FUTURE	AADT: 1804 YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	** When calculated interv G NDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
NBI MAINTAINED: MODOT IAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA 'OR 3: 'OR 4: ion comment per BIRM is required.	Г S ATEGORY: NBI: METHOD:	AADT AADT TI FUTURE	YEAR: 2022 RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	NDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
IAINTENANCE DISTRICT: CD MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA 'OR 3: 'OR 4: ion comment per BIRM is required.	S FION*** ATEGORY: NBI: METHOD:	AADT TI FUTURE .	RUCK: 11.2% AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	NDEPTH INSPECT RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
MAINTENANCE COUNTY: PHELPS SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: OR 3: OR 4: ion comment per BIRM is required.	TION*** ATEGORY: NBI: METHOD:	FUTURE .	AADT: 2706 YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comm
SUB AREA: 7D47 CAL INSPECTION INFORMAT LITY: CA AL**: OR 3: OR 4: ion comment per BIRM is required.	TION*** ATEGORY: NBI: METHOD:		YEAR: 2042 DATE: FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
LITY: CA AL**: OR 3: OR 4: ion comment per BIRM is required.	ATEGORY: NBI: METHOD:		FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comm
LITY: CA AL**: OR 3: OR 4: ion comment per BIRM is required.	ATEGORY: NBI: METHOD:		FREQUENCY: TEAM LEADER: INSPECTOR 2:	CALCU	RESPONSIBILITY: LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comr
AL**: OR 3: OR 4: ion comment per BIRM is required.	NBI: METHOD:		FREQUENCY: TEAM LEADER: INSPECTOR 2:		LATED INTERVAL**: INSPECTOR 3: INSPECTOR 4: uency, a justification comm
OR 3: OR 4: ion comment per BIRM is required.	METHOD:		TEAM LEADER: INSPECTOR 2:		INSPECTOR 3: INSPECTOR 4: uency, a justification comm
OR 4:			INSPECTOR 2:	al exceeds the freq	INSPECTOR 4: uency, a justification comm
ion comment per BIRM is required.	TS		** When calculated interva	al exceeds the freq	
ICAL INSPECTION COMMEN	TS				ΙλΙΝΕΝΤΗ ΙλΙΩΝΕΛ
					INDEPTH INSPEC
				***UN	DERWATER INSPE
					RESPONSIBILITY:
			-	CALCU	ULATED INTERVAL**: INSPECTOR 3:
OR 4:	METHOD.		INSPECTOR 2:		INSPECTOR 4:
on comment per BIRM is required.			** When calculated inter-	val exceeds the fre	quency, a justification com
SPECTION COMMENTS				L	INDERWATER INSP
	CLITY: CA AL**: OR 3: D OR 4: on comment per BIRM is required. <i>NSPECTION COMMENTS</i>	AL**: NBI: OR 3: METHOD: OR 4: on comment per BIRM is required.	LITY: CATEGORY: AL**: NBI: OR 3: METHOD: OR 4: On comment per BIRM is required. VSPECTION COMMENTS VSPECTION COMMENTS	LITY: CATEGORY: DATE: AL**: NBI: FREQUENCY: OR 3: METHOD: TEAM LEADER: OR 4: INSPECTOR 2: ** When calculated inter VSPECTION COMMENTS ** When calculated inter PECIAL INSPECTIONS	LITY: CATEGORY: DATE: AL**: NBI: FREQUENCY: CALCU OR 3: METHOD: TEAM LEADER: OR 4: INSPECTOR 2: on comment per BIRM is required. ** When calculated interval exceeds the fre <i>VSPECTION COMMENTS U</i>

Page 1

September 11, 2023 1:00:28PM

634

RIDGE INSPECTION INFORMATION* RESPONSIBILITY:** DISTRICT 22/2023 CALCULATED INTERVAL**: 24 GREEN ELEMENT: NO **INSPECTOR 4:**

erval exceeds the frequency, a justification comment per BIRM is required. GENERAL INSPECTION COMMENTS

TION INFORMATION***

CATEGORY: NBI: **METHOD:**

mment per BIRM is required.

ECTION COMMENTS

ECTION INFORMATION***

CATEGORY: NBI: **METHOD:**

omment per BIRM is required.

SPECTION COMMENTS

ATER INSPECTIONS ALCULATED INTERVAL RESPONSIBILITY

METHOD

MODOT		Μ	-	t of Transportation			September 11, 2023 1:00:28PM
COUNTY: PHELPS	DISTRICT: CD		State Bridge Ins CLASS: STATBR		D. 1222	DDIDCE: A1624	
	DISTRICT: CD				D: 1323	BRIDGE: A1634	
APPROVED CATEGORY: S-1	NO POSTING REQUIRED		***SIRU	CTURE POSTING***			
Ton 1:	Ton 2:		Ton 3:				
COMMENTS:							
FIELD CATEGORY: S-1	NO POSTING REQUIRED						
Ton 1:	Ton 2:		Ton 3:	PROBLEM:		PROBLEM DIRECTION:	
COMMENTS:		÷.	**CENEDAL COMM	ENTS MALOD DATED	ITEM6***		
GENERAL COMMENTS: (BOWDEJ1, 08/2	1/2008)(38'-62'-62'-38') CONT VOIDED			IENTS/MAJOR RATED			
		CONC BLILD SI					
[ITEM 58] DECK: 5	-FAIR CONDITION	COMMENTS	S• (GREENA2_05/26/2021))CRACK, LEACH, PATCHE	DELAM		
RATING: 0		COMMENT	(GREET (12, 05/20/2021)		<i>5, DEL</i> / III		
UTEM 591 SUPER: 6	-SATISFACTORY CONDITION	COMMENTS	S. (GREENA2 05/22/2023))CRACK, LEACH, PATCHE	• MINOR DEAL	DI QAD DEFI ECTION	
RATING: 0		COMMENT	5. (GREET 12, 0572272025)) entren, Elstein, interne	, MINOR DEAL		
IITEM 601 SUB: 7	-GOOD CONDITION	COMMENTS	S: (TRAMPA, 11/16/2015)-	-CRACK IFACH			
RATING: 0		COMMENT	5. (110.1017)	Chiron, Elinen			
	I NOT ADDI IC NO WATDWAY	COMMENT	2.				
[ITEM 61] BANK/CHANNEL: N RATING: 0		COMMENTS	5:				
			~				
ITEM 113 SCOUR: N RATING: 0	I-NOT APPLIC NOT WATERW 5/18/2001	COMMENTS	8:				
EVALUATION TYPE :	5/10/2001						
[ITEM 71] WATERWAY ADEQUACY: N	IOT APPLICABLE	COMMENTS	S:				
RATING: 0	5/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 6	-SATISFACTORY	COMMENTS	S:				
RATING: 0	5/18/2001						
		RAILING	AND APPROACH PA	AVEMENT COMPONE	NTS AND RAT	TINGS	
[ITEM 36A] BRIDGE RAILING RATIN	G: DOESNT MEET CURRNT STND-0		RATING: 11/30/2009	COMMENTS:			
MATERIAL	CONSTRUCTION	<u>DIRECTION</u>	<u>COMMENTS</u>				
REINFORCED CONCRETE	CURB	BOTH					
REINFORCED CONCRETE	PARAPET	BOTH					
ALUMINUM	CIRCULAR TUBE	BOTH					
[ITEM 36B] TRANSITION RAILING RATIN			RATING: 11/30/2009	COMMENTS:			
<u>MATERIAL</u> GALVANIZED STEEL	<u>CONSTRUCTION</u> W-BEAM	<u>DIRECTION</u> All	<u>COMMENTS</u>				
	W BLAN	ALL					
[ITEM 36C] APPROACH RAILING RATIN	G: MEETS CURRENT STANDARDS-1		RATING: 05/18/2001	COMMENTS:			
Design_No = a1634							
This report contains information that	is protected from disclosure by federal law 23 USC	Section 400 and the M	issouri Open Pecords Law (Sunshi	Page 2	e review MoDOT's po	licy and procedure manual on the Sunshine Act before re	plassing any of the information contained herein

MoDOT			Ν	Iissouri Departmer	-				
				State Bridge Ins	spection Re	-			
	TY: PHELPS	DISTRICT: C		CLASS: STATBR		FED-II	D: 1323	BRIDGE: A	16.
<u>MATERIAL</u> GALVANIZED STEI		<u>RUCTION</u> BEAM	<u>DIRECTION</u> All	<u>COMMENTS</u>					
[ITEM 36D] RAIL END TRE	CATMENT RATING: DOESN	T MEET CURRNT STND-0		RATING: 11/30/2009	COMME	NTS:			
<u>MATERIAL</u> GALVANIZED STEI		RUCTION SECTION > 45	<u>DIRECTION</u> BOTH-NORTH	<u>COMMENTS</u> (RACKEM, 10/1	7/2007)CONT	INUOUS BOTH S	SOUTH		
APPROACI	H PAVEMENT: *Overall con	dition assigned for each app	roach pavemenet c	omponent is shown below.					
<u>MATERIAL</u> REINFORCED CONCE		LAB <u>D</u>	<u>IRECTION</u> BOTH	<u>CONDITION*</u>	<u>COMMEN</u>	<u>TS</u>			
		DRAIN	AGE, EXPANS	SION DEVICES, BAN	K/SLOPE, A	ND DECK PI	ROTECTIVE CO	OMPONENTS	
DECK PROTECTIVE COMPON SERIES TYPE-# MAIN SERIES-1	N <u>ENTS:</u> <u>COMPONENT</u> WEARING SURFACE	<u>MATEI</u> ASPH		<u>Construction</u> Bituminous seai		<u>THICKNESS</u> .3 IN	YEAR APPLIED	<u>MANUFACTURE</u>	
	ACKEM, 10/17/2007)RESE								
<u>COMMENT:</u>	DECK PROTECTION	NOTAPPL	ICABLE	NONE					
	MEMBRANE	NOTAPPL	ICABLE	NONE					
<u>COMMENT:</u> SEC	CONDARY DECK PROTECTIC	DN LIQUID SI	EALANT	INTERNALLY SEA	4LED		2020	PAVON INDECK	
<u>COMMENT:</u>		-							
DRAINAGE COMPONENTS:									
	<u>COMPONENT</u>	<u>MATEI</u>	<u> NAL</u>	<u>CONSTRUCTION CONSTRUCTION CONSTRUCTURA CONSTRUCTION CONSTRUCTURA CONS</u>	<u>0N</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
EXPANSION DEVICE COMPO SUB UNIT-# SUB I	<u>NENTS:</u> LABEL <u>COMPO</u>	<u>NENT</u>	MATERIA	<u>L</u> <u>C</u>	CONSTRUCTIO	<u>N</u>	<u>GAP YEA</u>	RAPPLIED MANU	TFA
<u>COMMENT:</u>									
BANK/SLOPE PROTECTION C	COMPONENTS:								
	COMPONENT BANK PROTECTION	<u>MATEI</u> EARTH		<u>CONSTRUCTIO</u> BERM	<u>ON</u>	<u>DIRECTION</u> BOTH	<u>COMMENTS</u>		
				<u>***DECI</u>	K COMPON	ENTS***			
SPAN TYPE-#	<u>COMPONENT</u>	MATEL		<u>CONSTRUCTI</u>		<u>COMMENTS</u>			
MAIN SPANS-1 Condi	DECK TION	REINFORCED LOCATION 1		CAST-IN-PLAC CATION 2	CE <u>SEVERITY</u>	MEASURE	<u>EMENT</u> COMMI	ENT	
DELAMI	NATION D	RIVING SURFACE	<u> 10</u>		FEW	<u></u>			
EFFLORE: SPAL		BOTTOM RIVING SURFACE			MINOR FEW				
TRANSVERS		THROUGHOUT			MANY				
Design_No = a1634					Page 3				

Septembe	r 11	, 2	2023
1:	:00:	28	PM

1634

OVERALL CONDITION GOOD

FACTURE

OVERALL CONDITION

6DOT					Department e Bridge Insp	-		
COUNTY: PHI	ELPS	DISTRICT	: CD		S: STATBR		FED-ID: 1323	BRIDGE: A16
<i>MAIN SPANS-2</i> <u>CONDITION</u> DELAMINATION		<i>LOCATION 1</i> IVING SURFACE	CED CONCRETE	LOCATION 2	CAST-IN-PLACE	<u>SEVERITY</u> FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
EFFLORESCENCE HIGH STEEL SPALLS OTHER TRANSVERSE CRACK		BOTTOM RANDOM VOID TUBE THROUGHOUT			NO	MINOR FEW T APPLICABLE MANY		(GREENA2, 05/22/2023)MODERAT
<i>MAIN SPANS-3</i> <u>CONDITION</u> DELAMINATION EFFLORESCENCE TRANSVERSE CRACK	DR	<i>REINFORC LOCATION 1</i> IVING SURFACE BOTTOM 'HROUGHOUT	CED CONCRETE	<u>LOCATION 2</u>	CAST-IN-PLACE	<u>SEVERITY</u> FEW MINOR MANY	<u>MEASUREMENT</u>	<u>COMMENT</u>
<i>MAIN SPANS-4</i> <u>CONDITION</u> DELAMINATION DIAGONAL CRACKS EFFLORESCENCE LEACHING TRANSVERSE CRACK	S A'	<i>REINFORC</i> LOCATION 1 RANDOM T ABUTMENTS BOTTOM T ABUTMENTS 'HROUGHOUT	CED CONCRETE	<u>LOCATION 2</u>	CAST-IN-PLACE	<u>SEVERITY</u> MINOR MINOR MINOR MINOR MANY	<u>MEASUREMENT</u>	<u>COMMENT</u>
				***	SUPERSTRUC'	TURE COMP	PONENTS***	
	SPAN TYPE		TERIAL		CONSTRUCTION		<u>LABEL</u>	<u>COMMENTS</u>
	NTINUOUS SPAN MPOSITE INDICAT NON-COMPOSITE	TOR <u>LENGTH</u> 38 FT 3 IN LOCATION 1	CED CONCRETE <u>WEATHERI</u> N		VOIDED SLAB <u>COMMENTS</u>	<u>Severity</u>	<u>MEASUREMENT</u>	COMMENT
<u>CONDITION</u> DELAMINATION DIAGONAL CRACKS EFFLORESCENCE PATCHES		RANDOM EDGE EDGE RANDOM				FEW FEW MINOR FEW		
DELAMINATION DIAGONAL CRACKS EFFLORESCENCE PATCHES MAIN SPANS-2 <u>CONDITION</u> DEADLOAD DEFLECTIO DELAMINATION	NON-COMPOSITE	EDGE EDGE RANDOM 62 FT 0 IN <u>LOCATION 1</u> MID SPAN RANDOM	Ň	0 <i>LOCATION 2</i>		FEW MINOR FEW <u>SEVERITY</u> MINOR FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATION DIAGONAL CRACKS EFFLORESCENCE PATCHES MAIN SPANS-2 <u>CONDITION</u> DEADLOAD DEFLECTIO	NON-COMPOSITE	EDGE EDGE RANDOM 62 FT 0 IN <u>LOCATION 1</u> MID SPAN	Ν		<u>.</u>	FEW MINOR FEW <u>SEVERITY</u> MINOR	<u>MEASUREMENT</u>	

Page 4 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 11, 2023 1:00:28PM

1634

ATE LEAKING AT DRAIN HOLES.

LEAKING AT DRAIN HOLES.

MODOT				Missouri Departme State Bridge Ins		-		
COUN	FY: PHELPS		DISTRICT: CD	CLASS: STATBR	1	FED-II	D: 1323	BRIDGE: A16
DIAGONAL EFFLORES PATCH TRANSVERSE	CRACKS CENCE ES	EI RAN	DGE DGE NDOM FTOM		FEW MINOR FEW FEW			
MAIN SPANS-4	NON-CO		38 FT 3 IN	NO	~~~~~~			
<u>CONDIT</u> DELAMIN DIAGONAL EFFLORES PATCH	ATION CRACKS CENCE	RAN EI EI	I <u>TION 1</u> NDOM DGE DGE NDOM	<u>LOCATION 2</u>	<u>SEVERITY</u> FEW FEW MINOR FEW	<u>MEASURI</u>	<u>EMENT</u> <u>COMMEI</u>	<u>NT</u>
				***SUBSTRUC	TURE CO	MPONENTS**	**	
SUBSTRUCTURE	<u>SKEW</u>	<u>LENGTH</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	LABEL	<u>COMMENT</u>		
ABUTMENT-1 <u>ASSOCIATED</u>	<u>CONDITION</u> COMPONENT		REINFORCED CONCRETE LOCATION 1 ERIAL	INTEGRAL <u>LOCATION 2</u> <u>CONSTRUCTION</u>	7	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>CONDITION</u> VERTICAL CRACK	S	NFORCED CONCRETE <u>LOCATION 1</u> RANDOM NFORCED CONCRETE	CAST-IN-PLACE <u>LOCATION 2</u> CAST-IN-PLACE		<u>SEVERITY</u> FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
TURNED BAC	K WINGS <u>CONDITION</u> EFFLORESCENCE VERTICAL CRACK	2	AT WALL AT WALL	LOCATION 2		<u>SEVERITY</u> MINOR MEDIUM	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	<u>CONDITION</u>	REIN	NFORCED CONCRETE LOCATION 1	SPREAD <u>LOCATION 2</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-2 ASSOCIATED	<u>CONDITION</u> COMPONENT	32 FT 9 IN <u>MAT</u>	REINFORCED CONCRETE <u>LOCATION 1</u> ' <u>ERIAL</u>	MULTIPLE COLUMN <u>LOCATION 2</u> <u>CONSTRUCTION</u>	I	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	<u>CONDITION</u> OLLISION DAMAC ORIZONTAL CRAC	REIN	NFORCED CONCRETE <u>LOCATION 1</u> AT COLUMNS TOP	CAST-IN-PLACE <u>LOCATION 2</u>		<u>SEVERITY</u> MINOR FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	<u>CONDITION</u>		NFORCED CONCRETE LOCATION 1	SPREAD <u>LOCATION 2</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-3 <u>ASSOCIATED</u>	<u>CONDITION</u> COMPONENT	32 FT 9 IN <u>MAT</u>	REINFORCED CONCRETE <u>LOCATION 1</u> ERIAL	MULTIPLE COLUMN <u>LOCATION 2</u> <u>CONSTRUCTION</u>	Ţ	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN FOOTING	<u>CONDITION</u>		NFORCED CONCRETE <u>LOCATION 1</u> NFORCED CONCRETE	CAST-IN-PLACE <u>LOCATION 2</u> SPREAD		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
1001110	<u>CONDITION</u>	KEII	LOCATION 1	LOCATION 2		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-4 Associated	<u>CONDITION</u> COMPONENT	32 FT 9 IN MAT	REINFORCED CONCRETE <u>LOCATION 1</u> E RIAL	MULTIPLE COLUMN <u>LOCATION 2</u> CONSTRUCTION	τ	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	<u>COMPONENT</u> <u>CONDITION</u> DRIZONTAL CRAC	REIN	<u>INIAL</u> NFORCED CONCRETE <u>LOCATION 1</u> TOP	CAST-IN-PLACE LOCATION 2		<u>SEVERITY</u> FEW	<u>MEASUREMENT</u>	<u>COMMENT</u> (MEYERM3, 01/21/20

Page 5 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 11, 2023 1:00:28PM

1634

(2020)--DID NOT SEE 2019

MODOT			Missouri Department of Tra	-			
			State Bridge Inspection	Report			
COUNTY: PHELP	S	DISTRICT: CD	CLASS: STATBR	FED-l	ID: 1323	BRIDG	E: A163
FOOTING <u>CONDITIO</u>		EINFORCED CONCRETE <u>LOCATION 1</u>	H-PILE <u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
ABUTMENT-5 <u>CONDITIC</u> ASSOCIATED COMPONENT		REINFORCED CONCRETE <u>LOCATION 1</u> ATERIAL	INTEGRAL <u>LOCATION 2</u> CONSTRUCTION	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
BEAM CAP <u>CONDITIO</u>	RE <u>ON</u>	EINFORCED CONCRETE <u>LOCATION 1</u>	CAST-IN-PLACE LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
EROSION LEACHIN VERTICAL CR	G ACKS	BOTTOM RANDOM RANDOM		MINOR MINOR FEW			
PILING <u>CONDITIC</u> TURNED BACK WINGS	<u> </u>	EEL <u>LOCATION 1</u> EINFORCED CONCRETE	H-SHAPE <u>LOCATION 2</u> CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
<u>CONDITIC</u> EFFLORESCH VERTICAL CR	ENCE	<u>LOCATION 1</u> AT WALL AT WALL	LOCATION 2	<u>Severity</u> Minor Medium	<u>MEASUREMENT</u>	<u>COMMENT</u>	
			OVER/UNDER ROUTES CLEA	RANCE INFO	RMATION		
<u>CLEARANCES OVER DECK</u> <u>VERTICAL CLEARANCE TYPE**</u>	**NOTE: Vertical c <u>VALUE</u>	clearances for permitting purposes are taken <u>DIRECTION</u> <u>DATE</u>	as 2 inches less than the actual field measured clearance. COMMENT				
CLEARANCES UNDER BRIDGERECORD #ROUTE1IS 44 E	**NOTE: Vertical c <u># LANES</u> 2	clearances for permitting purposes are taken <u>DIRECTION OF TRAFFIC</u> 1-WAY TRAF	as 2 inches less than the actual field measured clearance. <u>RIGHT LATERAL CLEARANCE</u> 11 FT 4 IN		AL CLEARANCE FT 4 IN		<u>UR-ID</u> 3100
VERTICAL CLEARANCE TYPE** ACTUAL	<u>VALUE</u> 16 FT 9 IN	DIRECTION DATE	<u>COMMENT</u>				
RECORD #ROUTE2IS 44 WVERTICAL CLEARANCE TYPE**ACTUAL	<u># LANES</u> 2 <u>VALUE</u> 18 FT 10 IN	DIRECTION OF TRAFFIC1-WAY TRAFDIRECTIONDATE	<u>RIGHT LATERAL CLEARANCE</u> 11 FT 4 IN <u>COMMENT</u>		AL CLEARANCE FT 4 IN		<u>UR-ID</u> 3101
Reford							
			STRUCTURE PAINT	INFORMATIO	N		
Design_No = a1634			Page 6				

September 11, 2023 1:00:28PM

1634

.<u>ID</u> 00

-**ID** 01

MODOT			Missouri Depar		-	n	
				ge Inspectior	-		
COUNT	FY: PHELPS	DISTRICT: CD	CLASS: STA			CD-ID: 1323	BRIDGE: A1
CONDITION:	RU	JST AMOUNT :		STEEL TO	NS: 0		
<u>ORIC</u>	GINAL PAINT	<u>C</u>	CONTRACT REPAINT				DEPARTMEN
PAINT TYPE	:	PAINT T	TYPE :		PAI	NT TYPE :	
NAME DAINTE COL OD			AME :			NAME :	
PAINT COLOR PAINT YEAR		PAINT CO PAINT Y				' COLOR : NT YEAR :	
MILS			MILS :			MILS :	
			*** R F	QUESTED W	ORK ITEMS	***	
GENERAL WORK COMME	ENTS:			QUESTED W			
RESPONSIBILITY	LOCATION	ITEM	CATEGORY	PRIORITY	DATE	WORK ITEM COMMENT	
DISTRICT SPECIAL	ROADWAY SURFACE	SEAL DECK WITH IN DE		3	07/06/2023		
			***U	FILITY ATTA	CHMENTS*	**	
UTILITY	OWNER	METHOD	MEASUREMENT TYPE	VALUE	NUMI	BER UTILITY ATTACH	IMENT COMMENT
			PROGI	RAM NOTES	INFORMAT	[ON	
YEAR PROJECT #	MONTH LET YEAR LE	T ITEMS				COMMENT	
**	**COMPUTER GENER	ATED RATINGS AND DI	EFICIENCY ITEMS***				***ADVANC
NOTE: The items listed in this	section are updated whenever co	omputer edits are ran on a structu	re after the inspection updates ha	ave been entered in	n to TMS.	SIGN #	SIGN TYPE
<u>Rated Item</u>	-	Rating	Rating Date			1	
[Item 67] Structure Evaluation	Rating: 6-EQ TO PR	ESENT MIN CRITR	3/25/2002				
[Item 68] Deck Geometry Ratin	-	THAN MINIMUM	2/3/2017				
[Item 69] Underclearance:		THAN MINIMUM	1/26/2022				
Sufficiency Rating:		83.3%	2/22/2022				
Deficiency: Funding Eligibility:	NOT	DEFICIENT	5/18/2001		-		
Estimated New Structure Leng	th•						***OUTFALL IN
Estimated Structure Cost:						# OUTFALLS:	
Estimated Total Project Cost:						STATUS:	
Year of Cost Estimate:						NOTES:	
NOTE: The above structure leng	th and cost estimates are compu	ter generated using algorithims in	n the TMS system. These algorth	hims are			
generalized to use NBI items to co	ome up with a new structure len	gth and width to calculate a new	area which is taken times a repre-				
square foot. The actual structure	size and cost may vary significa	ntly from these numbers once sit	e specific engineering is done.				

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 11, 2023 1:00:28PM

1634

NT REPAINT **MANUFACTURE : SURFACE PREP:** CED SIGN INFORMATION*** PROBLEM **PROBLEM DIRECTION NSPECTION INFORMATION*** INSPECTOR:** DATE:

\sum	MODOT		Missouri Department of Ti	ansportation	
			State Bridge Inspectio	n Report	
	COUNTY: PHELPS	DISTRICT: CD	CLASS: STATBR	FED-ID: 1323	BRIDGE: A16

Page 8 This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

September 11, 2023 1:00:28PM

1634



COUNTY: PHELPS BRID		EVIEW STATUS :		NBI STATUS :	T 2022
RECORD TYPE : 1 RTE THAT GOES	UNDER'S RU	JN DATE :	5/30/2023	SUBMITTAL YEAR :	2023
GENERAL STRUCTURE	INFORMATION	ROU	TE DESIGNA	ATION INFORMATION	
1StateMISSOURI2DistrictCD3CountyPHELPS8Federal ID No.132327Year Built1966106Year Reconstructed042AType of Service OnHIGHWAY21Structure Maintenance22Structure Owner33Br. Median Code37Historical Significance101Parallel Struc DesgNONE EXISTS103Temporary StructureNOT TEMPOR112NBIS Bridge Length	ARY	 B Route Signing P C Designated Leve D Route Number E Directional Suff 7 Facility Carried 2 Base Hwy. Netw 3 LRS Inventory F 3 Subroute No. 0 Toll Status 3 Functional Class 3 Lanes on Structu 3 STRAHNET De 04 National Highwa 	Prefix el of Service IX vork Route No. sification ure esignation ay System	I RTE THAT GOES 'UNDER' S IS MAINLINE 00044 NOT APPLICABLE RT D E ON FREE ROAD 01-RU PRINCIPL ARTRIAL-IS 02 ON A DEFENSE HWY ON NHS	Code : A
		05 Federal Lands H10 Designated Nat.		YES	
STRUCTURE LOCATION	INFORMATION	STRI	JCTURE TR	AFFIC INFORMATION	
4 Place ARLINGTON Code 01918 9 Location S 24 T 37 N R 1 11 Milepoint 173.58 miles 16 Latitude 37 D 54 M 29 17 Longitude 91 D 59 M 14	0 W 10 S 11	 9 AADT 0 AADT Year 02 Direction of Trainer 09 AADT Truck Per 14 Future AADT 15 Future AADT Year 	ffic 1 prcent 2	15941 2022 1-WAY TRAFFIC 29%	
UNDERRECORD INF	ORMATION	STRUC	TURE GEON	METRIC INFORMATION	
6Features IntersectedIS 4442BType of Service UnderHIGHWAY28BLanes Under Structure0254AVert. Clearance Ref.54BVert. Clearance55ARt. Lat Clear Ref.55BRt. Lat Clearance56Left Lat Clearance38Navigation Control39Nav Vertical Clear40Nav Horizontal Clear111Nav. Pier Protection116Nav. Cl. Vert. Clear	1 3 3 4 4 4 50 50 50	B Right Curb/Side 1 Curb to Curb Br 2 Deck Width (Out)	Length (way Width ar 2 Length (n 2 valk Width walk Width walk Width width width width	16 Ft. 9 In. 0.00 miles 29 Ft. 10 In. 52 Ft. 0 In. 201 Ft. 1 In.	

Page: 1



COUNTY: PHELPS BRIDGE: A1634	REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load	43A Main Struc. Mat type CONCRETE CONTINUOUS
41 Structure Status	43B Main struc Constr. Type SLAB
63 Oper. Rating Meth.	45 # of Main Spans
64 Operating Rating	44A Appr Struc. Mat type
65 Inventory Rating Meth	44B Appr Struc. Cnstr. type
66 Inventory Rating	46 # of Approach Span
70 Bridge Posting Code	107 Deck Mat/Constr.
PROPOSED IMPROVEMENT INFORMATION	108A Wear Surf Mat/Constr.
Sufficiency Rating	108B Membrane Mat/Constr.
Deficiency Rating	108C Deck Protect Mat/Constr.
Funding Eligibility	CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating
75B Work Done By	59 Superstructure Cond. Rating
76 New Struc Length	60 Substructure Cond. Rating
94 Struc Improve Cost	61 Channel /Channel Protection Cond. Rating
95 Roadway Improve Cost	62 Culvert Cond. Rating
96 Total Project Cost	INSPECTION INFORMATION
97 Year of Cost Estimates	
APPRAISAL RATING INFORMATION	90 Gen. Insp Date 91 Gen. Insp. Frequency
36A Br. Rail App. Rating	91 Gen. Insp. Frequency 92A Frac. Critical Inspection
36B Transition Rail App. Rating	93A Frac. Critical Insp. Date
36C Approach Rail App. Rating	92B Underwater Inspection
36D Rail End Treat. App. Rating	93B Underwater Insp. Date
67 Struc Eval App. Rating	92C Special Inspection
68 Deck Geometry App. Rating	93C Special Inspection Date
69 Underclearance App. Rating	
71 Waterway Adeq. App. Rating	BORDER BRIDGE INFORMATION
72 Approach Road App. Rating	98 Neighboring State Code
113 Scour Assess App. Rating	98B Neighboring State % Respon
	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category	Field Posting Category
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
Design_No = a1634	
Page:	2



COUNTY: PHELPS RECORD TYPE: 2ND	BRIDGE : A1634 RTE THAT GOES 'UNDR'S	REVIE RUN D	EW STATUS : DATE :	APPROVED 5/30/2023	NBI STATUS : SUBMITTAL YEAR :	T 2023
	STRUCTURE INFORMATION		ROU	TF DESIGN	ATION INFORMATION	
GENERAL S	MISSOURI	5A	ROU Record Type	I E DESIGN	2ND RTE THAT GOES 'UNDR'S	Code : B
2 District	CD		Route Signing I	Prefix	IS	
3 County	PHELPS	5C	Designated Lev	el of Service	MAINLINE	
8 Federal ID No.	1323	5D	Route Number		00044	
27 Year Built	1966	5E	Directional Suff	fix	NOT APPLICABLE	
106 Year Reconstructed	0	7	Facility Carried		RT D E	
42A Type of Service On	HIGHWAY	12	Base Hwy. Netw	work		
21 Structure Maintenance		13A	LRS Inventory	Route No.		
22 Structure Owner		13B	Subroute No.			
33 Br. Median Code		20	Toll Status		ON FREE ROAD	
37 Historical Significance		26	Functional Clas	sification	01-RU PRINCIPL ARTRIAL-IS	
101 Parallel Struc Desg	NONE EXISTS	28A	Lanes on Struct	ure	02	
103 Temporary Structure	NOT TEMPORARY	100	STRAHNET De	esignation	ON A DEFENSE HWY	
112 NBIS Bridge Length		104	National Highw	ay System	ON NHS	
		105	Federal Lands H	lighway		
		110	Designated Nat	. Network	YES	
STRUCTURI	E LOCATION INFORMATION		STRU	UCTURE TR	AFFIC INFORMATION	
4 Place	ARLINGTON	29	AADT		16698	
Code	01918	30	AADT Year		2022	
9 Location	S 24 T 37 N R 10 W	102	Direction of Tra	line	1-WAY TRAFFIC	
11 Milepoint	121.27 miles	109	AADT Truck Pe	ercent	44%	
16 Latitude	37 D 54 M 29 S	114	Future AADT			
17 Longitude	91 D 59 M 14 S	115	Future AADT Y	'ear		
UNDER	RECORD INFORMATION		STRUC	TURE GEO	METRIC INFORMATION	
6 Features Intersected	IS 44	10	Inventory Rte. V	Vert. Clear	18 Ft. 8 In.	
42B Type of Service Under	HIGHWAY	19	By pass Detour	Length	0.00 miles	
28B Lanes Under Structure	02	32	Approach Road	way Width		
54A Vert. Clearance Ref.		34	Skew			
54B Vert. Clearance		35	Struct. Flared			
55A Rt. Lat Clear Ref.		47	Total Horiz. Cle		29 Ft. 10 In.	
55B Rt. Lat Clearance		48	Maximum Span	Dengin	62 Ft. 0 In.	
56 Left Lat Clearance		49	Structure Lengt		201 Ft. 1 In.	
38 Navigation Control		50A	Left Curb/Sidev			
39 Nav Vertical Clear		50B	Right Curb/Side			
40 Nav Horizontal Clear		51	Curb to Curb Bi			
111Nav. Pier Protection116Nav. Cl. Vert. Clear		52 53	Deck Width (Ou Vert.Clearance (
116 Nav. Cl. Vert. Clear		33	ven. Clearance	over Deck		

Design_No = a1634

Page: 1



COUNTY: PHELPS BRIDGE: A1634	REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S	RUN DATE : 5/30/2023 SUBMITTAL YEAR : 2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load	43A Main Strue. Mat type CONCRETE CONTINUOUS
41 Structure Status	43B Main struc Constr. Type SLAB
63 Oper. Rating Meth.	45 # of Main Spans
64 Operating Rating	44A Appr Struc. Mat type
65 Inventory Rating Meth	44B Appr Struc. Cnstr. type
66 Inventory Rating	46 # of Approach Span
70 Bridge Posting Code	107 Deck Mat/Constr.
PROPOSED IMPROVEMENT INFORMATION	108A Wear Surf Mat/Constr.
Sufficiency Rating	108B Membrane Mat/Constr.
Deficiency Rating	108C Deck Protect Mat/Constr.
Funding Eligibility	CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating
75B Work Done By	59 Superstructure Cond. Rating
76 New Struc Length	60 Substructure Cond. Rating
94 Struc Improve Cost	61 Channel /Channel Protection Cond. Rating
95 Roadway Improve Cost	62 Culvert Cond. Rating
96 Total Project Cost	INSPECTION INFORMATION
97 Year of Cost Estimates	
APPRAISAL RATING INFORMATION	90 Gen. Insp Date
36A Br. Rail App. Rating	91 Gen. Insp. Frequency 92A Frac. Critical Inspection
36A Br. Rail App. Rating 36B Transition Rail App. Rating	92A Frac. Critical Inspection 93A Frac. Critical Insp. Date
36C Approach Rail App. Rating	92B Underwater Inspection
36D Rail End Treat. App. Rating	93B Underwater Insp. Date
67 Struc Eval App. Rating	92C Special Inspection
68 Deck Geometry App. Rating	93C Special Inspection Date
69 Underclearance App. Rating	
71 Waterway Adeq. App. Rating	BORDER BRIDGE INFORMATION
72 Approach Road App. Rating	98 Neighboring State Code
113 Scour Assess App. Rating	98B Neighboring State % Respon
	99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category	Field Posting Category
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
Design_No = a1634	
Page	2



COUNTY : PHELPS BRIDGE : RECORD TYPE : ROUTE CARRIED 'ON' STR		EVIEW STATUS : JN DATE :	APPROVED 5/30/2023	NBI STATUS : SUBMITTAL YEAR :	T 2023
			TE DEGLON		
GENERAL STRUCTURE INFORM		ROU	TE DESIGN	ATION INFORMATION	
1 State MISSOURI	54	A Record Type		ROUTE CARRIED 'ON' STRUCT	
2 District CD	51	B Route Signing F	Prefix	MO	
3 County PHELPS	50	C Designated Lev	el of Service	MAINLINE	
8 Federal ID No. 1323	51	D Route Number		0000D	
27 Year Built 1966	51	E Directional Suff	fix	NOT APPLICABLE	
106 Year Reconstructed 0	7	7 Facility Carried		RT D E	
42A Type of Service On HIGHWAY	12	2 Base Hwy. Netw	work	NO	
21 Structure Maintenance STATE HIGHWAY AGE	JCY 13	A LRS Inventory	Route No.		
22 Structure Owner STATE HIGHWAY AGE	NCY 13	B Subroute No.			
33 Br. Median Code NO MEDIAN	20	0 Toll Status		ON FREE ROAD	
37 Historical Significance NOT ELIGIBLE FOR NE	COF HP	6 Functional Clas	sification	07-RURAL MAJOR COLLECTOR	
101 Parallel Struc Desg NONE EXISTS	28	A Lanes on Struct	ure	02	
103 Temporary Structure NOT TEMPORARY	10	00 STRAHNET D	esignation	RTE NOT A DEFENSE HWY	
112 NBIS Bridge Length YES	10)4 National Highw	ay System	NOT ON NHS	
	10)5 Federal Lands H	lighway	NOT APPLICABLE	
		Ξ		NO	
STRUCTURE LOCATION INFORM	MATION	STRU	UCTURE TR	AFFIC INFORMATION	
4 Place ARLINGTON	29	9 AADT		1804	
Code 01918	3	=		2022	
9 Location S 24 T 37 N R 10 W	10	_	ffic	2-WAY TRAFFIC	
11 Milepoint 9.12 miles	10	09 AADT Truck Po	ercent	11%	
16 Latitude 37 D 54 M 29 S	11	4 Future AADT		2706	
17 Longitude 91 D 59 M 14 S	11	15 Future AADT Y	ear	2042	
UNDERRECORD INFORMAT	ION	STRUC	TURE GEO	METRIC INFORMATION	
6 Features Intersected IS 44	10	0 Inventory Rte. V	Vert. Clear	99 Ft. 99 In.	
42B Type of Service Under HIGHWAY	19	9 By pass Detour	Length	25.00 miles	
28B Lanes Under Structure 04	3:		way Width	23 Ft. 11 In.	
54A Vert. Clearance Ref. HIGHWAY	34	4 Skew		0.00 Degrees	
54B Vert. Clearance 16 Ft. 9 In.	3:	5 Struct. Flared]	NO	
55A Rt. Lat Clear Ref. HIGHWAY	4	7 Total Horiz. Cle	ar	29 Ft. 10 In.	
55B Rt. Lat Clearance 11 Ft. 2 In.	4	8 Maximum Span	Length	62 Ft. 0 In.	
56 Left Lat Clearance 11 Ft. 2 In.	49	9 Structure Lengt	h	201 Ft. 1 In.	
38 Navigation Control N/A	50	A Left Curb/Sidev	valk Width	0 Ft. 0 In.	
39 Nav Vertical Clear 0 Ft. 0 In.	50	B Right Curb/Side	ewalk Width	0 Ft. 0 In.	
40 Nav Horizontal Clear 0 Ft. 0 In.	5	1 Curb to Curb Bi	r. Width	29 Ft. 10 In.	
111 Nav. Pier Protection	52	2 Deck Width (Ou	ut-Out)	32 Ft. 10 In.	
116 Nav. Cl. Vert. Clear	5.	3 Vert.Clearance	Over Deck	99 Ft. 99 In.	

Design_No = a1634

Page: 1



COUNTY: PHELPSBRIDGE:A1634RECORD TYPE:ROUTE CARRIED 'ON' STRUCT	REVIEW STATUS :APPROVEDNBI STATUS :TRUN DATE :5/30/2023SUBMITTAL YEAR :2023
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31 Design Load H 20 41 Structure Status OPEN NO RESTRICTIONS 63 Oper. Rating Meth. ALLOWABLE STRESS 64 Operating Rating 54 Tons. 65 Inventory Rating Meth ALLOWABLE STRESS 66 Inventory Rating 30 Tons. 70 Bridge Posting Code =>LEGAL LOADS	43AMain Strue. Mat typeCONCRETE CONTINUOUS43BMain strue Constr. TypeSLAB45# of Main Spans444AAppr Strue. Mat type00044BAppr Strue. Cnstr. type00046# of Approach Span0107Deck Mat/Constr.1 CONCRETE CIP108AWear Surf Mat/Constr.6 BITUMINOUS
PROPOSED IMPROVEMENT INFORMATION Sufficiency Rating 83.3 Percent	108B Membrane Mat/Constr. 0 NONE
Sufficiency Rating 83.3 Percent Deficiency Rating NOT DEFICIENT Funding Eligibility	108C Deck Protect Mat/Constr. 0 NONE CONDITION RATING INFORMATION
75A Proposed Work	58 Deck Cond. Rating 5
75B Work Done By	59 Superstructure Cond. Rating 6
76 New Struc Length 0 Ft. 0 In.	60 Substructure Cond. Rating 7
94 Strue Improve Cost \$ 0,000	61 Channel /Channel Protection Cond. Rating N
95 Roadway Improve Cost \$ 0,000	62 Culvert Cond. Rating N
96 Total Project Cost \$ 0,000 97 Year of Cost Estimates 0	INSPECTION INFORMATION
97 Year of Cost Estimates 0	90 Gen. Insp Date 5 / 23
APPRAISAL RATING INFORMATION	91 Gen. Insp. Frequency 24 Months
36A Br. Rail App. Rating DOES NOT MEET ACCEPT STND	92A Frac. Critical Inspection N Months
36B Transition Rail App. Rating DOES NOT MEET ACCEPT STND	93A Frac. Critical Insp. Date
36C Approach Rail App. Rating MEETS ACCEPTBLE STND	92B Underwater Inspection N Months
36D Rail End Treat. App. Rating DOES NOT MEET ACCEPT STND	93B Underwater Insp. Date
67 Struc Eval App. Rating 6 68 Deck Geometry App. Rating 5	92C Special Inspection N Months 93C Special Inspection Date Special Inspection Date Special Inspection Date
69 Underclearance App. Rating 5	
71 Waterway Adeq. App. Rating N	BORDER BRIDGE INFORMATION
72 Approach Road App. Rating 6	98 Neighboring State Code
113 Scour Assess App. Rating N	98B Neighboring State % Respon 99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-1	Field Posting Category S-1
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign
General Text for Posting Sign	General Text for Posting Sign
NO POSTING REQUIRED	NO POSTING REQUIRED
$Design_No = a1634$	
Page:	2