

		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 16, 2022</div> <div>6:09:29AM</div>			
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 575		BRIDGE: A0801	
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: LP44E</div> <div>FEATURE: IS 44</div> <div>STATUS: A-OPEN</div> <div>LOG MILE: 4.308</div> <div>DETOUR: 1.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1961</div> <div>REHAB: 1992</div> <div>LOCATION: S 29 T 36 R 11 W</div> <div>LATITUDE: 37 49 28.61 (DMS)</div> <div>LONGITUDE: 92 10 2.71 (DMS)</div>		<div># SPANS: 6</div> <div>LANES ON: 2</div> <div>LANES UNDER: 4</div> <div>COMPASS DIRECTION: WEST to EAST</div> <div>DIRECTION OF TRAFFIC: 1-WAY TRAF</div> <div>FUNCTIONAL CLASS: UR-MINOR ARTERIAL</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: CD</div> <div>MAINTENANCE COUNTY: PULASKI</div> <div>SUB AREA: 7D50</div>		<div>PLACE CODE: 65144 ST. ROBERT CITY</div> <div>LENGTH: 429 FT 0 IN</div> <div>MAXIMUM SPAN: 87 FT 0 IN</div> <div>APPROACH ROADWAY: 40 FT 0 IN</div> <div>CURB TO CURB: 28 FT 11 IN</div> <div>OUT TO OUT: 31 FT 8 IN</div> <div>AADT: 7667</div> <div>AADT YEAR: 2021</div> <div>AADT TRUCK: 3.9%</div> <div>FUTURE AADT: 12267</div> <div>FUTURE AADT YEAR: 2041</div>		<div>DATE: 10/05/2021</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 24</div> <div>TEAM LEADER: JOE GREEN</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2:</div> <div>INSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>			
						<div>GENERAL INSPECTION COMMENTS</div>			
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
<div>FRACTURE CRITICAL INSPECTION COMMENTS</div>					<div>INDEPTH INSPECTION COMMENTS</div>				
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
<div>SPECIAL INSPECTION COMMENTS</div>					<div>UNDERWATER INSPECTION COMMENTS</div>				
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS				
<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>					<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>				

Design_No = a0801

Page 1

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		State Bridge Inspection Report			6:09:29AM	
COUNTY: PULASKI		DISTRICT: CD	CLASS: STATBR	FED-ID: 575	BRIDGE: A0801	
STRUCTURE POSTING						
APPROVED CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:		PROBLEM:
COMMENTS:		PROBLEM DIRECTION:				
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/21/2008)--(65'-81'-87'-87'-61'-45') CONT CONC BOX GDR SPANS						
[ITEM 58] DECK: 6-SATISFACTORY CONDITION		COMMENTS: (OTTINM, 11/14/2013)--TRANSCRACKS & LEACHING.				
RATING : 05/18/2001		(MEYERM3, 10/28/2019)--DELAMS OVER INTERMEDIATE BENT AND ELSEWHERE				
[ITEM 59] SUPER: 6-SATISFACTORY CONDITION		COMMENTS: (STEGEC, 12/20/2017)--CRACKING, LEACHING AND SOME MINOR SPALLS				
RATING : 05/18/2001						
[ITEM 60] SUB: 6-SATISFACTORY CONDITION		COMMENTS: (STEGEC, 12/20/2017)--CRACKING, SPALLING AND DELAMS				
RATING : 05/18/2001						
[ITEM 61] BANK/CHANNEL: N-NOT APPLIC NO WATRWAY		COMMENTS:				
RATING : 05/18/2001						
[ITEM 113] SCOUR: N-NOT APPLIC NOT WATERW		COMMENTS:				
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: NOT APPLICABLE		COMMENTS:				
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD		COMMENTS:				
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:		
<u>MATERIAL</u>		<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
REINFORCED CONCRETE		SAFETY BARRIER CURB	BOTH			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>	
LEACHING		THROUGHOUT		MINOR		
VERTICAL CRACKS		THROUGHOUT		FEW		
[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:		
<u>MATERIAL</u>		<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
GALVANIZED STEEL		THRIE BEAM TO W-BEAM	ALL			
[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:		
<u>MATERIAL</u>		<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
GALVANIZED STEEL		W-BEAM	ALL			
Design_No = a0801						
Page 2						
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[ITEM 36D] RAIL END TREATMENT RATING: DOESNT MEET CURRNT STND-0							
RATING : 10/27/2009							
COMMENTS:							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>COMMENTS</u>	
GALVANIZED STEEL		BREKAWAY SYSTEM		ALL			
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT/CONCRETE		BITUMINOUS MAT/SLAB		BOTH		<u>COMMENTS</u>	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		PLAIN CONCRETE		LATEX MODIFIED	
<u>THICKNESS</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>		<u>OVERALL CONDITION</u>	
						FAIR	
<u>COMMENT:</u>							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
SPALLS		ENDS				MINOR	
TRANSVERSE CRACKS		DRIVING SURFACE				MANY	
<u>DECK PROTECTION</u>		<u>LIQUID SEALANT</u>		<u>INTERNALLY SEALED</u>		2012	
						STAR MACRO	
<u>COMMENT:</u> (OTTINM, 11/14/2013)--INDECK 2007 & 2012?							
<u>MEMBRANE</u>		<u>LIQUID SEALANT</u>		<u>BUILT-UP</u>			
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
						<u>COMMENTS</u>	
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
ABUTMENT-1				OPEN EXPANSION JOINT		OTHER	
<u>CONSTRUCTION</u>		<u>GAP</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>	
OTHER							
<u>OVERALL CONDITION</u>							
FAIR							
<u>COMMENT:</u>							
ABUTMENT-7				OPEN EXPANSION JOINT		OTHER	
<u>CONSTRUCTION</u>						OTHER	
FAIR							
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
						<u>COMMENTS</u>	
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>COMMENTS</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						MINOR	
<u>CONDITION</u>		<u>OVERHANGS</u>				MANY	
LEACHING		THROUGHOUT				FEW	
MAP CRACKS		THROUGHOUT				MANY	
PATCHES		OVERHANGS					
TRANSVERSE CRACKS							
Design_No = a0801							
Page 3							
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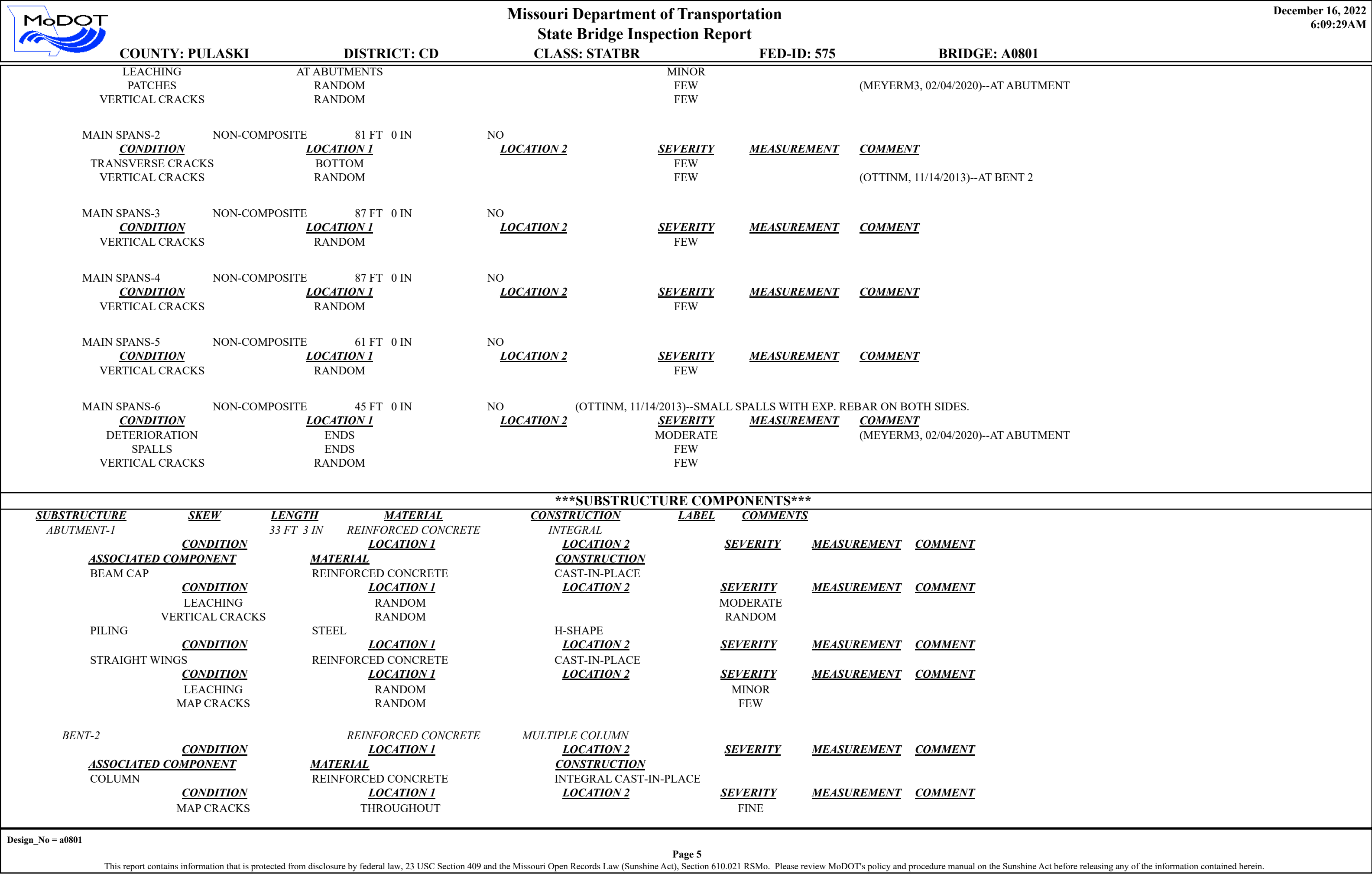
TRANSVERSE CRACKS		THROUGHOUT		MANY		
MAIN SPANS-2	DECK	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
LEACHING		OVERHANGS		MINOR		
MAP CRACKS		THROUGHOUT		MANY		
PATCHES		THROUGHOUT		FEW		
TRANSVERSE CRACKS		OVERHANGS		MANY		
TRANSVERSE CRACKS		THROUGHOUT		MANY		
MAIN SPANS-3	DECK	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
LEACHING		OVERHANGS		MINOR		
MAP CRACKS		THROUGHOUT		MANY		
PATCHES		THROUGHOUT		FEW		
TRANSVERSE CRACKS		OVERHANGS		MANY		
TRANSVERSE CRACKS		THROUGHOUT		MANY		
MAIN SPANS-4	DECK	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
LEACHING		OVERHANGS		MINOR		
MAP CRACKS		THROUGHOUT		MANY		
PATCHES		THROUGHOUT		FEW		
TRANSVERSE CRACKS		OVERHANGS		MANY		
TRANSVERSE CRACKS		THROUGHOUT		MANY		
MAIN SPANS-5	DECK	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
LEACHING		OVERHANGS		MINOR		
MAP CRACKS		THROUGHOUT		MANY		
PATCHES		THROUGHOUT		FEW		
TRANSVERSE CRACKS		OVERHANGS		MANY		
TRANSVERSE CRACKS		THROUGHOUT		MANY		
MAIN SPANS-6	DECK	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
LEACHING		OVERHANGS		MINOR		
MAP CRACKS		THROUGHOUT		MANY		
PATCHES		THROUGHOUT		FEW		
TRANSVERSE CRACKS		OVERHANGS		MANY		
TRANSVERSE CRACKS		THROUGHOUT		MANY		

SUPERSTRUCTURE COMPONENTS

<u>SERIES TYPE-#</u>	<u>SPAN TYPE</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>
MAIN SERIES-1	CONTINUOUS SPAN	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL		
<u>SPAN</u>	<u>COMPOSITE INDICATOR</u>	<u>LENGTH</u>	<u>WEATHERING STEEL</u>	<u>COMMENTS</u>	
MAIN SPANS-1	NON-COMPOSITE	65 FT 0 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DIAGONAL CRACKS	AT ABUTMENTS		RANDOM		

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FOOTING		REINFORCED CONCRETE	SPREAD			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-3		REINFORCED CONCRETE	SINGLE COLUMN			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING		REINFORCED CONCRETE	SPREAD			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-4		REINFORCED CONCRETE	SINGLE COLUMN			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	SPALLS	RANDOM		MODERATE		
FOOTING		REINFORCED CONCRETE	H-PILE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-5		REINFORCED CONCRETE	SINGLE COLUMN			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING		REINFORCED CONCRETE	H-PILE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-6		REINFORCED CONCRETE	MULTIPLE COLUMN			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	HORIZONTAL CRACKS	RANDOM		FEW		
FOOTING		REINFORCED CONCRETE	H-PILE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-7		33 FT 3 IN REINFORCED CONCRETE	INTEGRAL			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	HORIZONTAL CRACKS	BACKWALL		MANY		
	LEACHING	BACKWALL		MODERATE		
PILING		STEEL	H-SHAPE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT WINGS		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	HORIZONTAL CRACKS	RANDOM		FEW		
	LEACHING	RANDOM		LIGHT		

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OVER/UNDER ROUTES CLEARANCE INFORMATION																																																										
<div><div>CLEARANCES OVER DECK</div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div><table><thead><tr><th>VERTICAL CLEARANCE TYPE**</th><th>VALUE</th><th>DIRECTION</th><th>DATE</th><th>COMMENT</th></tr></thead></table></div>										VERTICAL CLEARANCE TYPE**	VALUE	DIRECTION	DATE	COMMENT																																												
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<div>Design_No = a0801</div> <div>Page 7</div> <div>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.</div>																																																										

		Missouri Department of Transportation			December 16, 2022																																													
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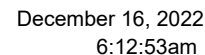
Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	CD	5B	Route Signing Prefix	MO
3	County	PULASKI	5C	Designated Level of Service	BUSINESS
8	Federal ID No.	575	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1992	7	Facility Carried	LP 44 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	16-URBAN MINOR ARTERIAL
101	Parallel Struc Desg	RIGHT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE 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		
4	Place	ST. ROBERT CITY	29	AADT	7667
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	4.30 miles	109	AADT Truck Percent	4%
16	Latitude	37 D 49 M 29 S	114	Future AADT	12267
17	Longitude	92 D 10 M 3 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	0.62 miles
28B	Lanes Under Structure	04	32	Approach Roadway Width	40 Ft. 0 In.
54A	Vert. Clearance Ref.	HIGHWAY	34	Skew	0.00 Degrees
54B	Vert. Clearance	16 Ft. 8 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	HIGHWAY	47	Total Horiz. Clear	30 Ft. 2 In.
55B	Rt. Lat Clearance	10 Ft. 6 In.	48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance	9 Ft. 10 In.	49	Structure Length	429 Ft. 2 In.
38	Navigation Control	N/A	50A	Left Curb/Sidewalk Width	0 Ft. 8 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 8 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	28 Ft. 10 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	31 Ft. 10 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = a0801





Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	CD	5B	Route Signing Prefix	MO
3	County	PULASKI	5C	Designated Level of Service	BUSINESS
8	Federal ID No.	575	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1992	7	Facility Carried	LP 44 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	16-URBAN MINOR ARTERIAL
101	Parallel Struc Desg	RIGHT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE 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		
4	Place	ST. ROBERT CITY	29	AADT	7667
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	4.33 miles	109	AADT Truck Percent	4%
16	Latitude	37 D 49 M 29 S	114	Future AADT	12267
17	Longitude	92 D 10 M 3 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	0.63 miles
28B	Lanes Under Structure	04	32	Approach Roadway Width	40 Ft. 0 In.
54A	Vert. Clearance Ref.	HIGHWAY	34	Skew	0.00 Degrees
54B	Vert. Clearance	16 Ft. 8 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	HIGHWAY	47	Total Horiz. Clear	30 Ft. 2 In.
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40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	28 Ft. 10 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	31 Ft. 10 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
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COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 20	43A	Main Struc. Mat type	CONCRETE CONTINUOUS
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	BOX BEAM OR GIRDERS- SING
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	6
64	Operating Rating	63 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	31 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	3 LATEX CONCRETE
Sufficiency Rating 75.4 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating FUNCTIONAL			108C	Deck Protect Mat/Constr.	7 INTERNALLY SEALED
Funding Eligibility PARTIAL			CONDITION RATING INFORMATION		
75A	Proposed Work	REHAB-GENERAL DETERIORAT	58	Deck Cond. Rating	6
75B	Work Done By	Contract	59	Superstructure Cond. Rating	6
76	New Struc Length	456 Ft. 0 In.	60	Substructure Cond. Rating	6
94	Struc Improve Cost	\$ 1,798,000	61	Channel /Channel Protection Cond. Rating	N
95	Roadway Improve Cost	\$ 180,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 2,697,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	10 / 21
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	6	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	3	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			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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	1 RTE THAT GOES 'UNDER' S Code : A
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	575	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	LP 44 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	RIGHT	28A	Lanes on Structure	02
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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	ST. ROBERT CITY	29	AADT	17715
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	159.48 miles	109	AADT Truck Percent	30%
16	Latitude	37 D 49 M 29 S	114	Future AADT	
17	Longitude	92 D 10 M 3 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 8 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	30 Ft. 2 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance		49	Structure Length	429 Ft. 2 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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

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 BOX BEAM OR GIRDERS- SING
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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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	

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RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	2ND RTE THAT GOES 'UNDR'S Code : B
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	575	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	LP 44 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	RIGHT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	ST. ROBERT CITY	29	AADT	16238
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	133.12 miles	109	AADT Truck Percent	30%
16	Latitude	37 D 49 M 29 S	114	Future AADT	
17	Longitude	92 D 10 M 3 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 12 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	
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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)	
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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	90	Gen. Insp Date
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36A	Br. Rail App. Rating	92A	Frac. Critical Inspection
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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	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	

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RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	1 RTE THAT GOES 'UNDER' S Code : A
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	575	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	LP 44 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
21	Structure Maintenance		13A	LRS Inventory Route No.	
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33	Br. Median Code		20	Toll Status	ON FREE ROAD
37	Historical Significance		26	Functional Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	RIGHT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	ST. ROBERT CITY	29	AADT	17715
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	160.77 miles	109	AADT Truck Percent	30%
16	Latitude	37 D 49 M 29 S	114	Future AADT	
17	Longitude	92 D 10 M 3 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 8 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	
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39	Nav Vertical Clear		50B	Right Curb/Sidewalk Width	
40	Nav Horizontal Clear		51	Curb to Curb Br. Width	
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Sufficiency Rating		108B	Membrane Mat/Constr.
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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	

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STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	ST. ROBERT CITY	29	AADT	16238
	Code	65144	30	AADT Year	2021
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75A	Proposed Work	58	Deck Cond. Rating
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MISSOURI STATE HIGHWAY DEPARTMENT

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		18	105	

SPECIFICATIONS: Missouri State Highway Commission Standard Specifications (1961 Edition) and Special Provisions.

DESIGN LOADING: In accordance with Division I of the A.A.S.H.O. Standard Specifications for Highway Bridges, 1957 Edition with 1959, 1961 revisions. Live Load: H20-44; Dead Load: Provision is made for a future wearing surface of 15 pounds per square foot of roadway surface.

DESIGN UNIT STRESSES:

Concrete in Flexure: Class B Concrete - 1200 lbs. per sq. in.
Class B Concrete - 1600 lbs. per sq. in.

Reinforcing Steel: 20,000 lbs. per sq. in.

ROADWAY WEARING SURFACE: The roadway slab as detailed includes a 1" wearing surface poured monolithically with the slab.

REINFORCEMENT: All dimensions to reinforcing steel on detail drawings are to 1/2" of bar except where the clear distance is noted from the face of concrete. All reinforcing steel shall be lapped a minimum of 32 diameters unless otherwise shown or noted.

CONCRETE: Concrete for superstructure shall be Class B, air-entrained. Concrete for column footings and wing walls shall be Class B air-entrained.

BEVELED EDGES: All exposed edges of concrete shall be beveled 3/4" unless otherwise shown or noted.

FILLED JOINTS: Where filled joints are specified on the plans, the joint filler shall conform to the requirements for "Gray Sponge Rubber Compound Expansion Joints," Section 157.2.4 of the Standard Specifications.

WELDING: Qualification of welding operators will be required.

Sta. 984+95.98 (Fill Face Bt. #7)
Prof. Gr. Elev. 1060.72

SURFACE SEALING: The top surface of the concrete roadway, the roadway face and top surface of the safety curbs shall be surface sealed. See Special Provisions.

FOUNDATION ROCK PRESSURE: Maximum design load is limited to 5 tons/sq. ft. for vertical loads.

PILING: All piling shall conform to the details shown on the detail drawings. Piling shall be driven into solid rock, boulders, shale or cemented gravel or to not less than the full length authorized and to sustain a design load of at least 37 tons for 10 BP42 piles and 64 tons for 14 BP73 piles.

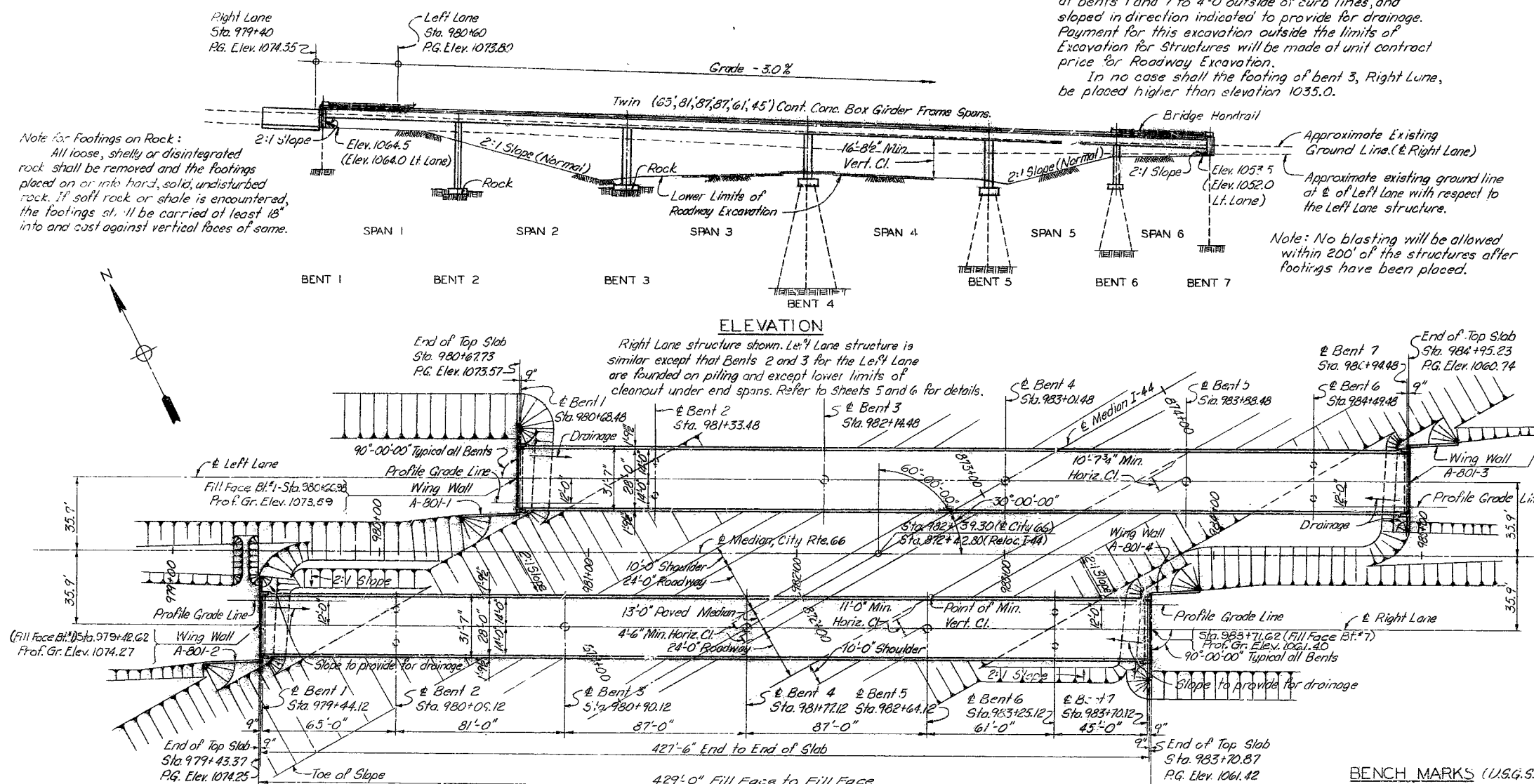
Piles for end bents shall be painted in accordance with Section 52.4.7 of the Standard Specifications.

PAINTING: Shop, none; Field, contact surfaces of bolted field connections, steel to steel, one coat of red lead and surfaces inaccessible after erection three coats of red lead. All other exposed surfaces first coat red lead, second coat brown, third coat aluminum except that final coat on access doors and frames shall be gray. Payment for cleaning and painting will be included in price bid for items painted.

Note: All material shall be removed to elevations shown at bents 1 and 7 to 4'-0" outside of curb lines, and sloped in direction indicated to provide for drainage. Payment for this excavation outside the limits of Excavation for Structures will be made at unit contract price for Roadway Excavation.

In no case shall the footing of bent 3, Right Lane, be placed higher than elevation 1035.0.

Note: No blasting will be allowed within 200' of the structures after footings have been placed.



ELEVATION

Right Lane structure shown. Left Lane structure is similar except that Bents 2 and 3 for the Left Lane are founded on piling and except lower limits of cleanout under end spans. Refer to Sheets 5 and 6 for details.

PLAN

Note: All stationing given along City Route 66. Span lengths for Left Lane same as shown for Right Lane.

ESTIMATED QUANTITIES

Item	Substr.	Superstr.	Total
Class I Excavation for Structures	Cu. Yd. 1,160		1,160
Class B Concrete	Cu. Yd. 231.8		231.8
Class B Concrete	Cu. Yd.	1,977.6	1,977.6
Reinforcing Steel	Lb. 28,890	546,500	569,390
10 BP42 Steel Piles in Place	Lin. Ft. 840		840
10 BP42 Steel Pile Cut-Offs	Lin. Ft. 72		72
14 BP73 Steel Piles in Place	Lin. Ft. 2,736		2,736
14 BP73 Steel Pile Cut-Offs	Lin. Ft. 258		258
Fabricated Structural Carbon Steel	Lb.	59,500	59,500

Note: Estimated quantity of Class B Concrete includes only the concrete in column footings and wing walls.

Estimated quantity of Fabricated Structural Carbon Steel includes the total weight of structural steel for the bridge handrail, anchor bolt assemblies for the handrail posts, access doors and frames.

Estimated quantity of Class I Excavation for Structures includes only amount of excavation below Lower Limits of Roadway Excavation.

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

ESTIMATED PILE LENGTHS

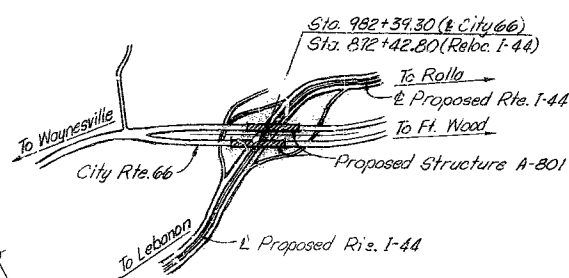
Bent	Right Lane			Left Lane		
	No. Piles	Size	Length	No. Piles	Size	Length
1	6	10BP42	25'	6	10BP42	25'
2	---	---	---	10	14BP73	25'
3	---	---	---	12	14BP73	40'
4	12	14BP73	45'	12	14BP73	35'
5	12	14BP73	40'	12	14BP73	26'
6	8	14BP73	35'	8	14BP73	29'
7	6	10BP42	54'	6	10BP42	45'

Pile lengths shown above include an estimated 3' cut-off per pile. These indicated lengths are approximate only. Proper lengths to give required bearing and/or penetration will be authorized by the Engineer. All piles shall be driven with a power hammer.

BENCH MARKS (U.S.G.S. Datum)

on S.E. Cor. Hdwall D.I. 250' E.
Sta. 874+67 Rte. I-44 Elev. 1051.84.
N & W in Root 8" Twin B. Oak 159' E.
Sta. 883+09 Rte. I-44 Elev. 1050.84.

LOCATION SKETCH



1254
6/15/63
DRAWN BY: G.J. Dee, Feb. 1961
TRACED BY:
CHECKED BY: W. Beste, Mar. 1961

SUBMITTED BY:
REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-2047

GENERAL PLAN AND ELEVATION

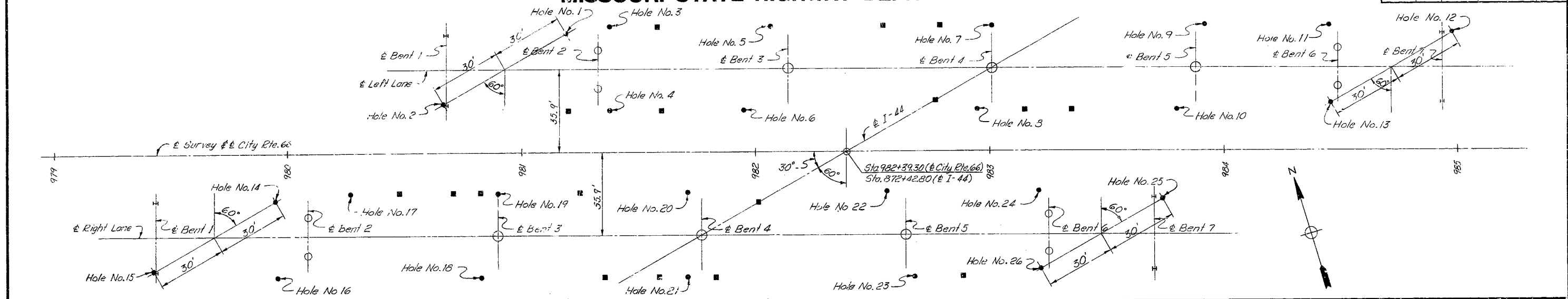
SHEET 1 OF 13

STD. 5400
A-801-4
A-801-3
A-801-2
A-801-1
A-801

SEE PLAN A-801-4 FOR DETAILS

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		19	110	



LOG OF BORINGS

ELEV.	HOLE NO. 1 Sta. 980+93 (30' Left & Left Lane on 60° skew)	HOLE NO. 2 Sta. 980+93 (30' Right & Left Lane on 60° skew)	HOLE NO. 3 Sta. 981+38 (18' Left & Left Lane)	HOLE NO. 4 Sta. 981+38 (18' Right & Left Lane)	HOLE NO. 5 Sta. 982+07 (18' Left & Left Lane)	HOLE NO. 6 Sta. 981+95 (18' Right & Left Lane)	HOLE NO. 7 Sta. 983+01 (18' Left & Left Lane)	HOLE NO. 8 Sta. 982+95 (18' Right & Left Lane)	HOLE NO. 9 Sta. 983+92 (18' Left & Left Lane)	HOLE NO. 10 Sta. 983+80 (18' Right & Left Lane)	HOLE NO. 11 Sta. 984+45 (18' Left & Left Lane)	HOLE NO. 12 Sta. 984+72 (30' Left & Left Lane on 60° skew)	HOLE NO. 13 Sta. 984+72 (30' Right & Left Lane on 60° skew)	ELEV.
1070														1070
1060	1061.2	1061.4												1060
1050	Clay Sandstone	Clay & Boulders												1050
1040	Clay & Boulders	Sandstone Limestone	Chert Boulders, Red Clay & Sandstone	Clay & Boulders	Red Clay & Chert Boulders	Water 1042.0								1040
1030	1031.2													1030
1020	Limestone		Limestone & Chert Seams	Limestone	Red Clay, Chert Boulders & Sandstone ledges	Clay & Boulders	Red Clay & Boulders	Red Clay & Boulders	Clay & Boulders	Weathered Limestone				1020
1010			Limestone		Hard & Soft Layers of Sandstone					Limestone				1010
1000														1000
990					995.6									990
980					Sandstone		983.5		979.9					980
								Clay						
ELEV.	HOLE NO. 14 Sta. 979+69 (30' Left & Right Lane on 60° skew)	HOLE NO. 15 Sta. 979+69 (30' Right & Right Lane on 60° skew)	HOLE NO. 16 Sta. 979+96 (18' Right & Right Lane)	HOLE NO. 17 Sta. 980+27 (18' Left & Right Lane)	HOLE NO. 18 Sta. 980+83 (18' Right & Right Lane)	HOLE NO. 19 Sta. 980+90 (18' Left & Right Lane)	HOLE NO. 20 Sta. 981+71 (18' Left & Right Lane)	HOLE NO. 21 Sta. 981+71 (18' Right & Right Lane)	ELEV.					
1070	1069.5	1071.0	1068.1	1068.0	1066.0	1065.0	1065.6	1063.5	1070					
1060	Clay & Boulders	Clay	Red Clay & Chert Boulders	Clay & Boulders	Clay & Boulders	Clay & Boulders	Clay & Boulders	Clay & Boulders	1060					
1050		1052.0	Soft Weathered Dolomite with Red Clay Seams		Chert & Limestone		Red Clay & Boulders	Red Clay	1050					
1040	1041.2		1035.6	1021.0	1030.8	1030.0			1040					
1030	Limestone	Limestone	Chert	Red Clay		Limestone			1030					
1020			Soft Weathered Dolomite	Limestone					1020					
1010									1010					
1000									1000					
990							987.0	989.5	990					
980							Limestone	Clay	980					

Notes:

These data are furnished for information only and may or may not represent the actual conditions which will be found when the work is executed.

Squares (■) indicate locations where borings were taken, but the logs not recorded on this sheet. Log data on these holes and all other holes are available at the office of the District Highway Engineer, District 8, Springfield, Missouri.

Borings were taken during July and August, 1960.

Holes No. 5, 10, 23 and 26 were made using a single tube core barrel. Hole No. 16 was made using a double tube core barrel. All other holes were made with a power auger.

BRIDGE

CITY ROUTE 66 UNDERPASS

STATE ROAD

INTERSTATE ROUTE 44

ABOUT

18 MILES S.E. OF CROCKER

PROJECT NO.

1-44-2 (37)(RT 1-44)

STA. 872+42.8

FULASKI COUNTY

SVERDRUP & P. RC., ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

Notes:

These data are furnished for information only and may or may not represent the actual conditions which will be found when the work is executed. Squares (■) indicate locations where borings were taken, but the logs not recorded on this sheet. Log data on these holes and all other holes are available at the office of the District Highway Engineer, District 8, Springfield, Missouri.

Borings were taken during July and August, 1960.

Holes No. 5, 10, 23 and 26 were made using a single tube core barrel. Hole No. 16 was made using a double tube core barrel. All other holes were made with a power auger.

BRIDGE CITY ROUTE 66 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

ABOUT 18 MILES S.E. OF CROCKER

PROJECT NO. 1-44-2 (37)(RT I-44)

STA. 872+42.8

PULASKI COUNTY

SVERDRUP & P. R. C. ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

LOG OF BORINGS

SHEET 2 OF 13

A-80!

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

NO CONSTRUCTION CHANGES

DRAWN BY: G. J. Dee, Jan. 1961
TRACED BY:
CHECKED BY: H. T. Sanders, Jan. 1961

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
5	MO.		19	111	

Note: See Sheet 2 for notes and location of Borings.

Note: These data are furnished for information only and may or may not represent the actual conditions which will be found when the work is executed.

STATE ROAD INTERSTATE ROUTE 44

ABOUT 18 MILES S.E. OF CROCKER

PROJECT NO. I-44-2 (37)(RT.I-44)

STA. 872 +42.3

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS — ARCHITECTS
ST. LOUIS, MO.

LOG OF BORINGS

SHEET 3 OF 13

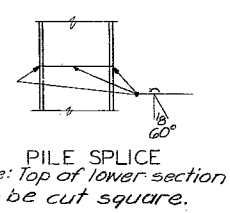
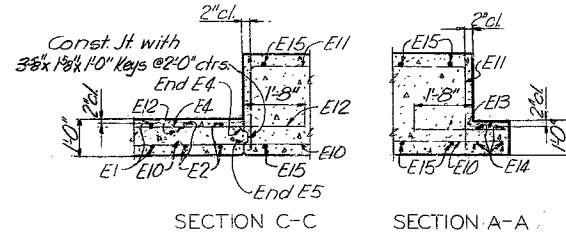
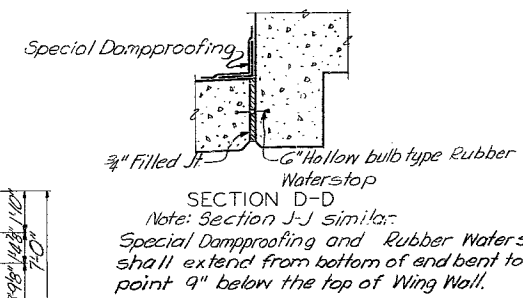
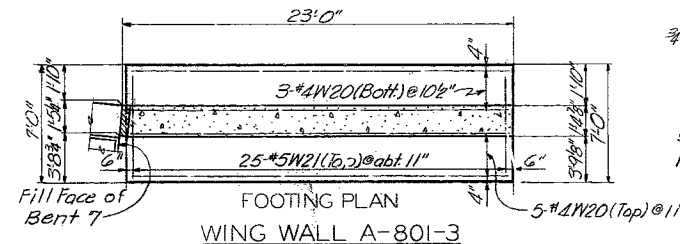
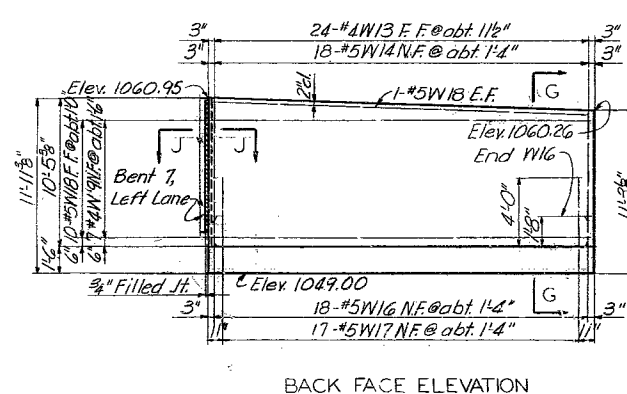
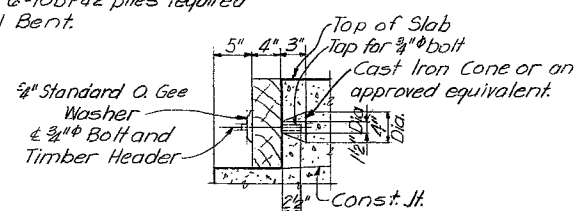
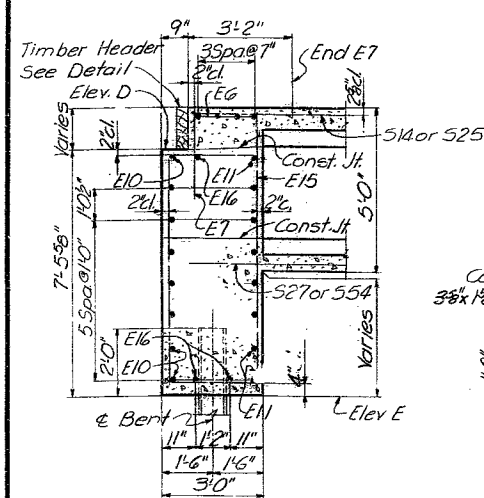
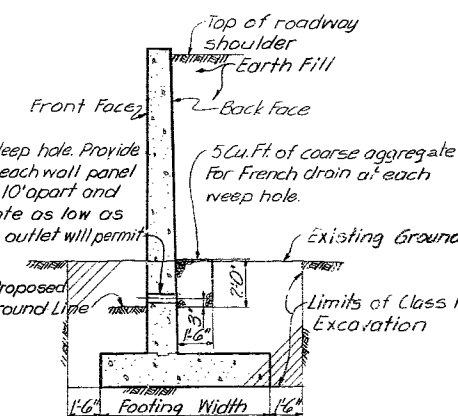
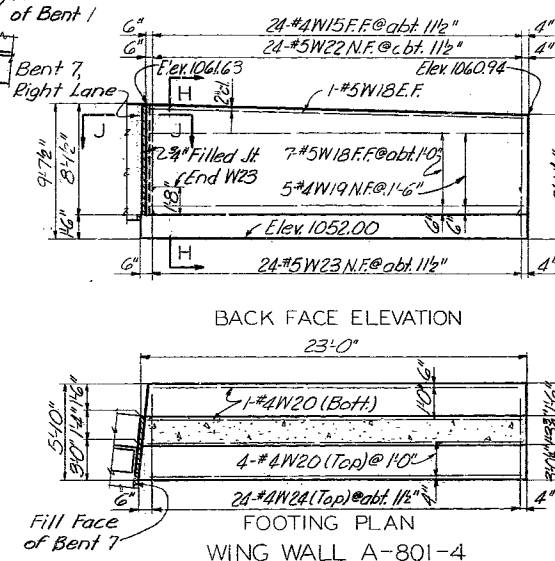
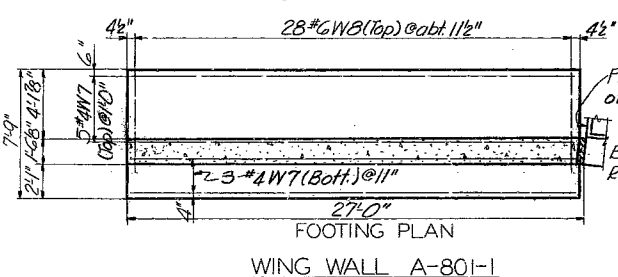
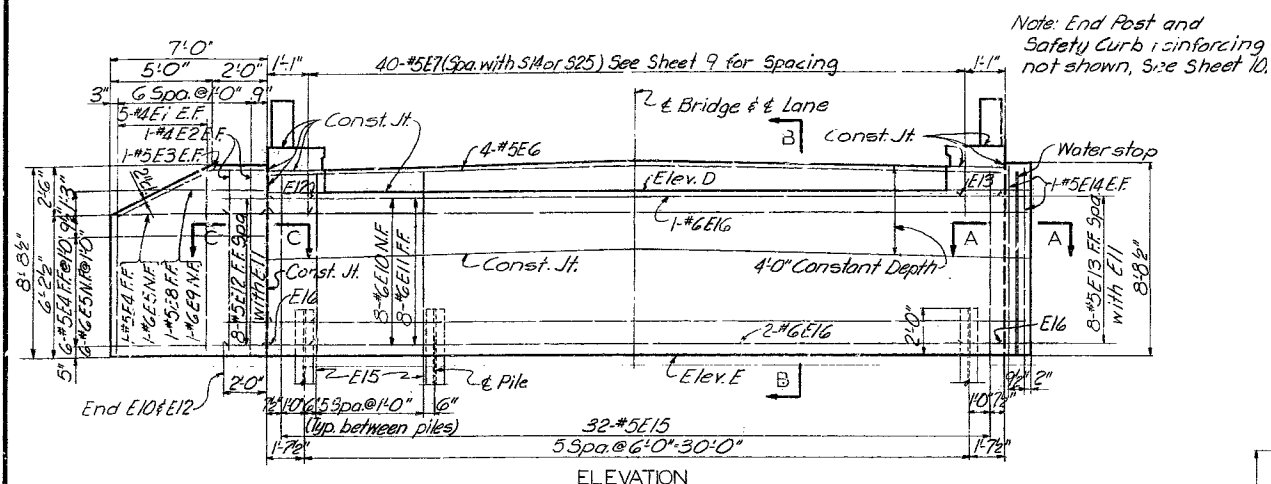
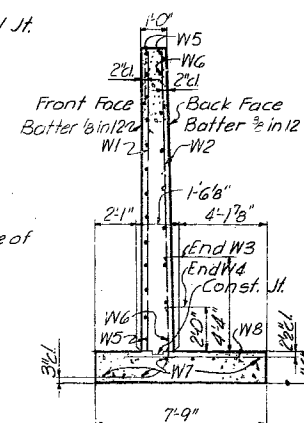
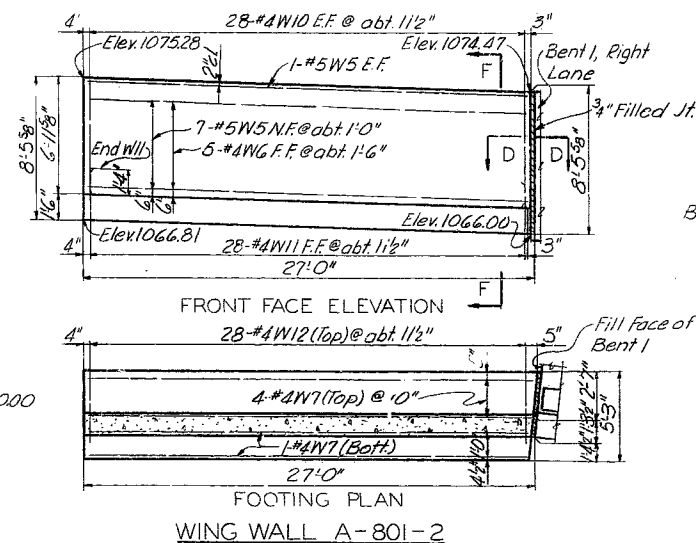
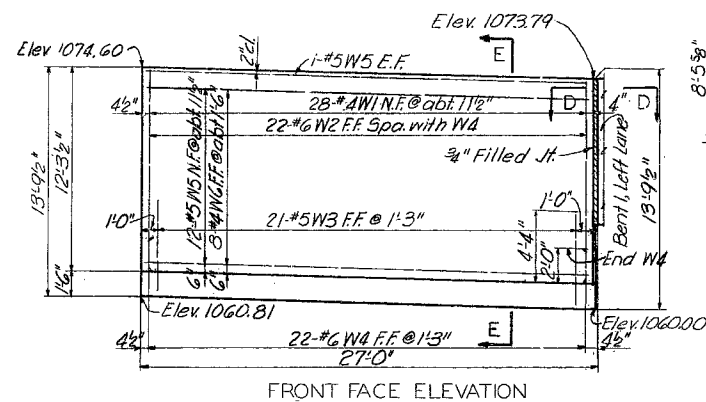
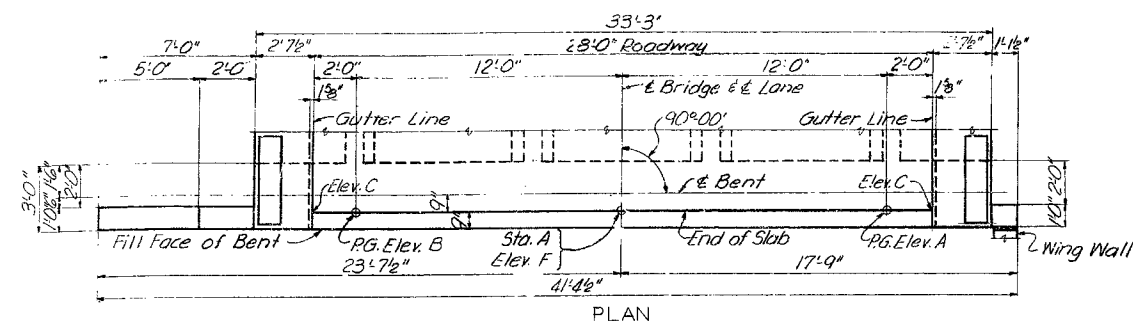
A-801

NO CONSTRUCTION CHANGES

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

61546
DRAWN BY: G.J. Dee, Feb. 1961
TRACED BY:
CHECKED BY: H.T. Sanders, Feb. 1961

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
5	MO.		19	112	



	Sta. A	Elev. A	Elev. B	Elev. C	Elev. D	Elev. E	Elev. F
Left Lane, Bent 1	980+67.93	1073.57		1073.54	1072.54	1065.07	1073.74
Left Lane, Bent 7	984+45.23		1060.74	1060.71	1059.71	1052.24	1060.91
Right Lane, Bent 1	979+43.37		1074.25	1074.22	1073.22	1065.75	1074.42
Right Lane, Bent 7	983+70.87	1061.42		1061.39	1060.39	1052.92	1061.59

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

BRIDGE	CITY ROUTE 66 UNDERPASS
STATE ROAD	INTERSTATE ROUTE 44
ABOUT	1/6 MILES S.E. OF CROCKER
PROJECT NO.	I-44-2 (37)(RT I-44)
	STA. 872+42.8

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS — ARCHITECTS
ST. LOUIS, MO.

BENTS 1 & 7 AND WING WALLS

SHEET 4 OF 13

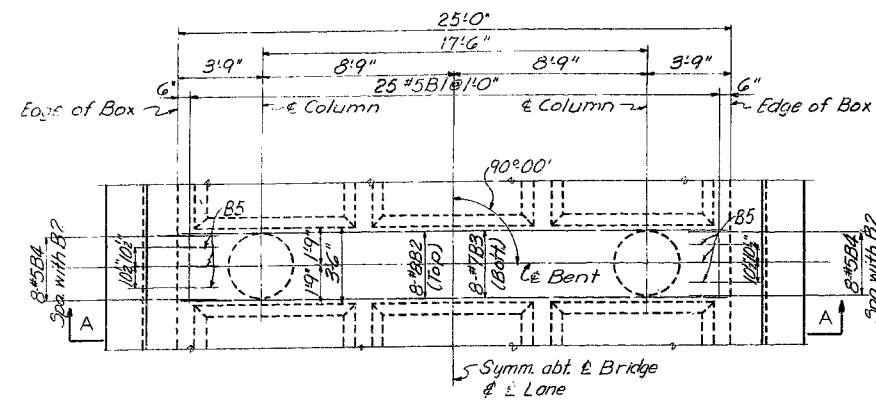
A-801-4
A-801-3
A-801-2
A-801-1
A-801

NO OTHERS TO INTERVIEW

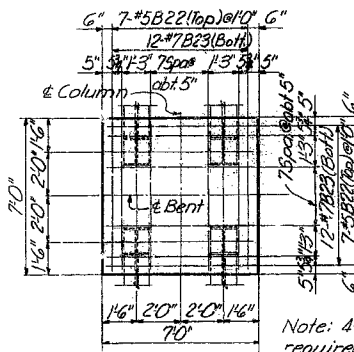
22 X 36 18

MISSOURI STATE HIGHWAY DEPARTMENT

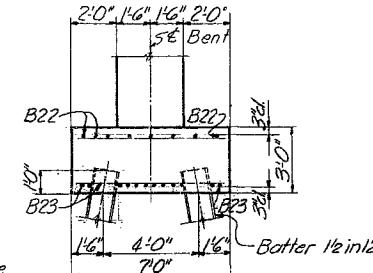
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5	MO.		18	113	



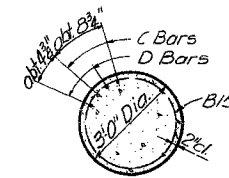
PLAN
Note: For Stations of Bents, see Sheet 1.



PLAN



ELEVATION

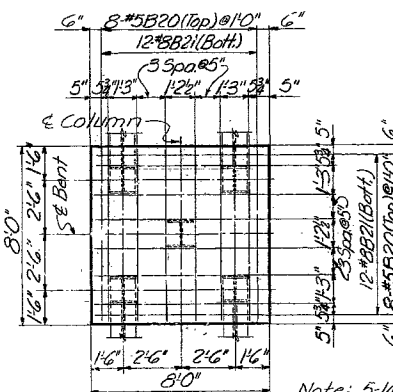


SECTION C-C

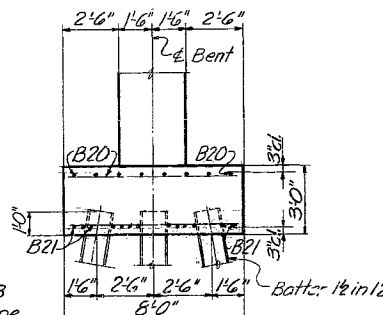
Note: Spacing of vertical bars is measured along inside of B15.

Note: 4 #4BPT3 required for Type I Footing.

FOOTING TYPE I



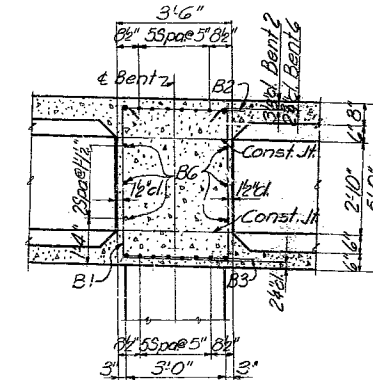
PLAN



ELEVATION

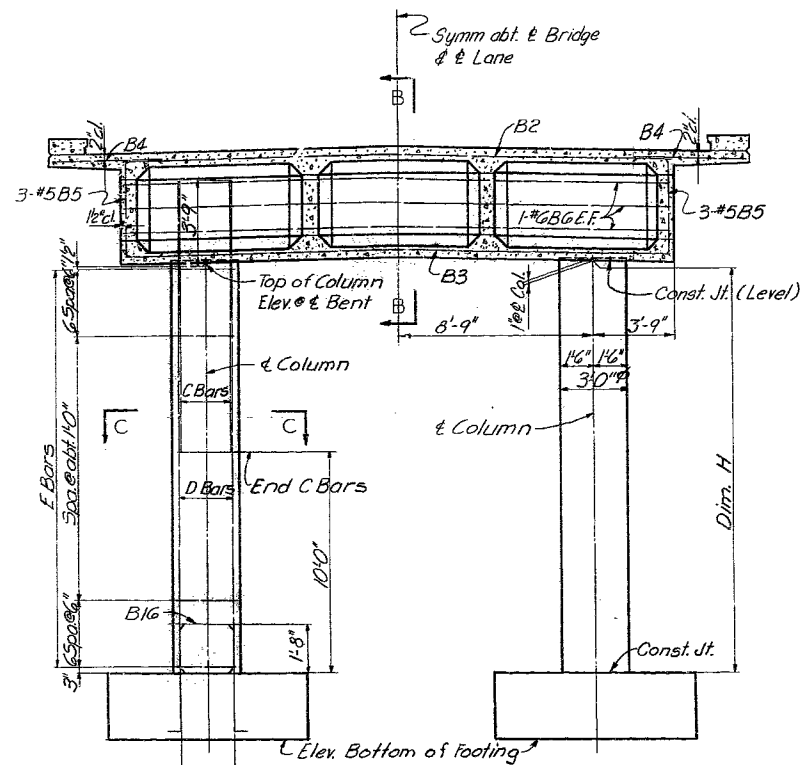
FOOTING TYPE II

FOOTING TYPE III



SECTION B-B

NOTES
E.F. indicates Each Face.
See Sheet 1 for estimated pile lengths.



SECTION A-A

Types I & II { 11 #5B16 Dowels
Spa. with D Bars
Type III { 11 #5B17 Dowels
Spa. with D Bars

	LEFT LANE		RIGHT LANE	
Bent	2	6	2	6
Footing Type	II	I	III	I
Elev. Top of Column	1066.66	1057.18	1067.34	1057.86
Elev. Bot. of Footing	1044.00	1035.00	1033.00	1036.00
Dimension H	19'7 7/8"	19'2 7/8"	31'-10 7/8"	18'-10 7/8"
C Bars	11 #11B7	11 #11B8	11 #11B9	11 #11B10
D Bars	11 #11B11	11 #11B12	11 #11B13	11 #11B14
E Bars	26 #5B15	26 #5B15	39 #5B15	26 #5B15

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

BRIDGE CITY ROUTE 66 UNDERPASS
STATE ROAD INTERSTATE ROUTE 44
ABOUT 18 MILES S.E. OF CROCKER
PROJECT NO. I-44-2 (37) (RT. I-44) STA. 872+42.8
PULASKI COUNTY
SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

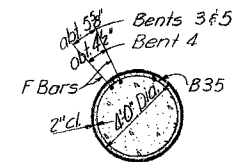
BENTS 2 AND 6

SHEET 5 OF 13

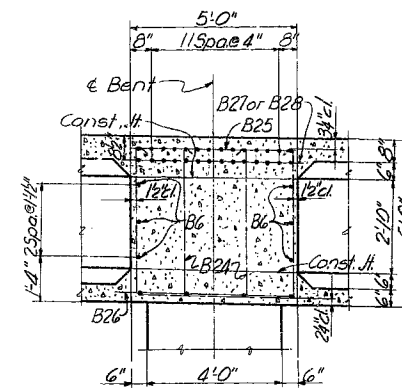
A-801

DRAWN BY: H.P. Maloney, Jan., 1961
TRACED BY:
CHECKED BY: W. Beste, Mar., 1961

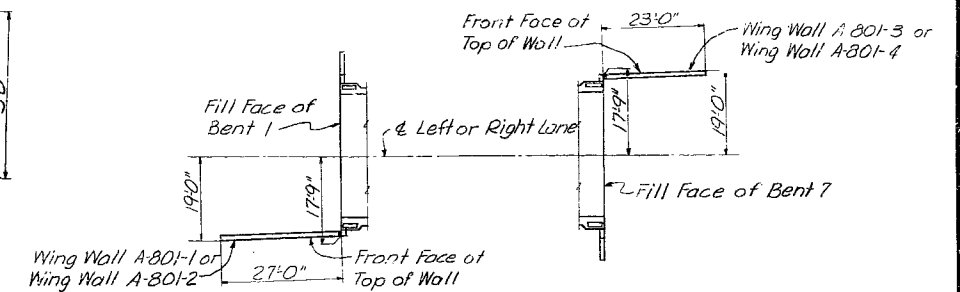
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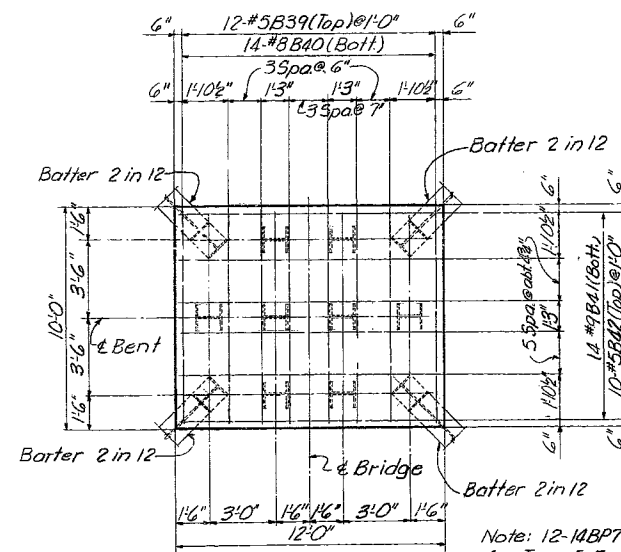
SECTION C-C
Note: Spacing of vertical bars
is measured along inside of
B35.



SECTION B-B

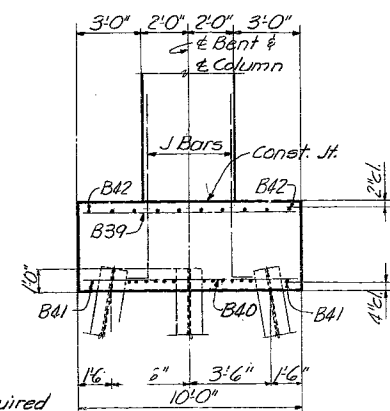


LAYOUT OF WING WALLS
See Sheet 4 for details.

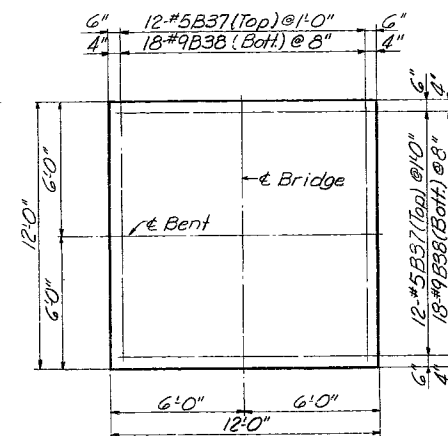


PLAN

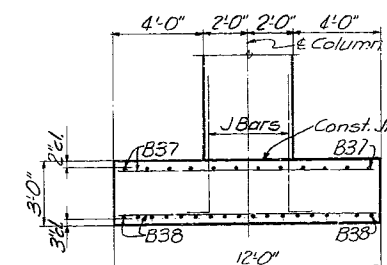
FOOTING TYPE I



ELEVATION



PLAN



ELEVATION

FOOTING TYPE II

	LEFT LANE			RIGHT LANE		
Bent	3	4	5	3	4	5
Footing Type	I	I	I	II	I	I
Elev. Top of Column	1064.34	1061.75	1059.12	1065.02	1062.41	1059.80
Elev. Bot. of Footing	1033.00	1037.00	1033.00	1035.00	1037.00	1033.00
Dimension H	26'-4 1/8"	20'-8 3/4"	22'-1 1/2"	27'-0 1/4"	21'-4 3/8"	22'-9 3/8"
F Bars	24-#1B29	30-#1B30	24-#1B31	24-#1B32	30-#1B33	24-#1B34
G Bars	35-#5B35	35-#5B35	31-#5B35	36-#5B36	30-#5B35	31-#5B35
J Bars	24-#1B36	30-#1B36	24-#1B36	24-#1B43	30-#1B36	24-#1B36

NOTES
E.F. indicates Each Face.
See Sheet 1 for estimated
pile lengths.

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS — ARCHITECTS
ST. LOUIS, MO.

BENTS 3, 4 & 5

SHEET 6 OF 13

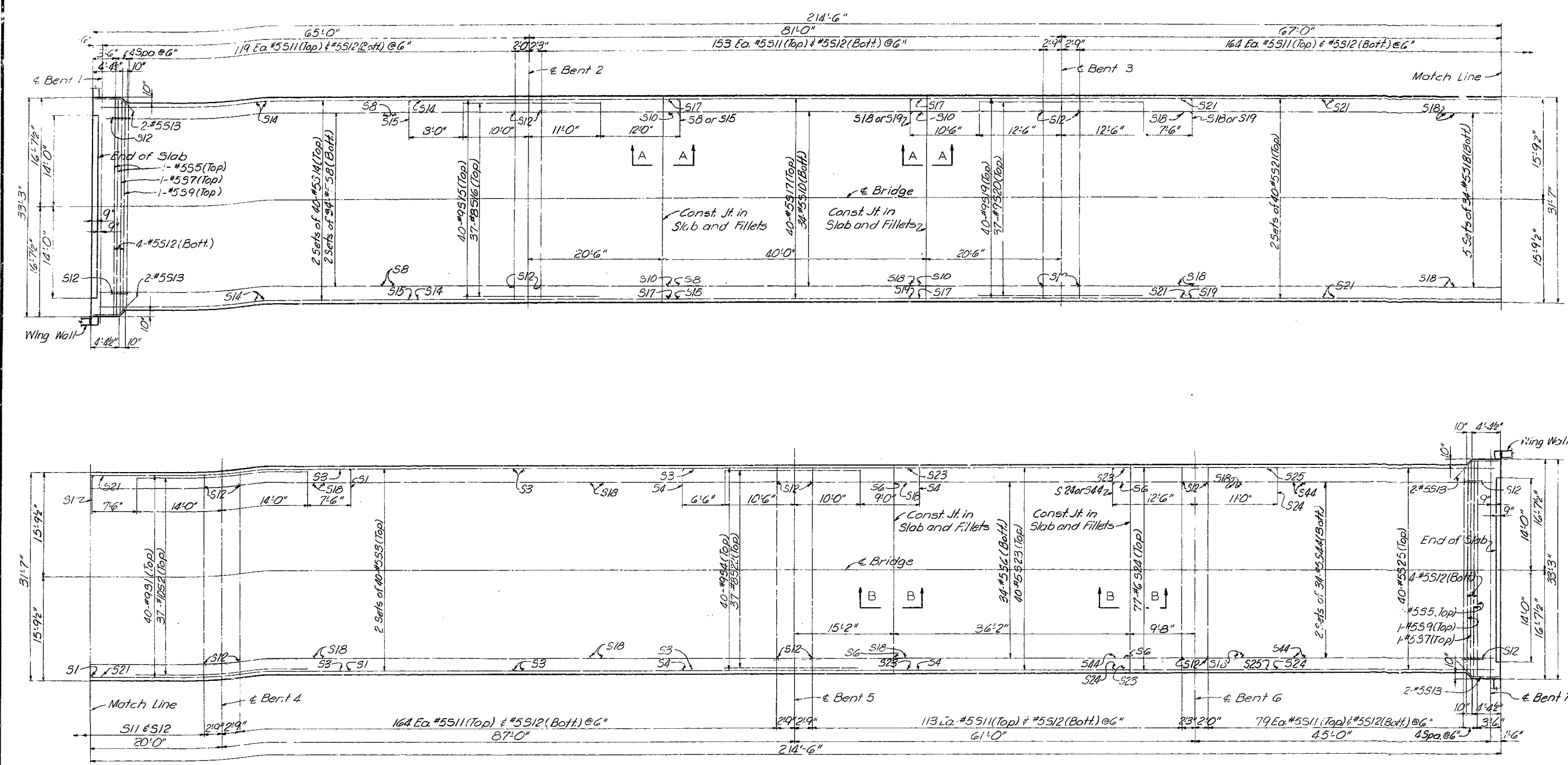
A-801-4
A-801-3
A-801-2
A-801-1
A-801

1854 6/538	DRAWN BY: <i>H.P. Maloney, Jan., 1961</i>
	TRACED BY:
	CHECKED BY: <i>W. Beste, Mar., 1961</i>

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

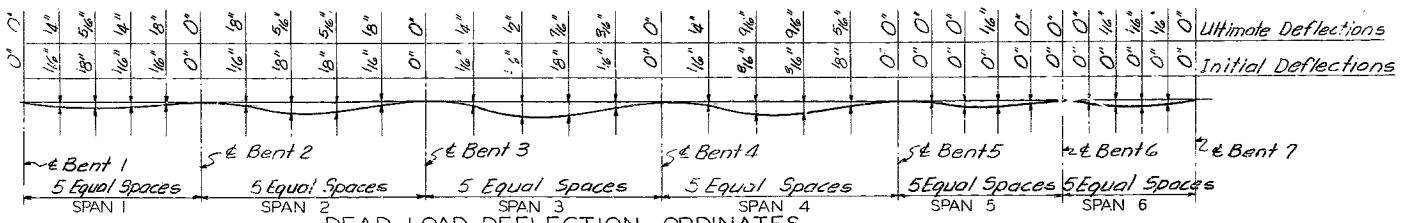
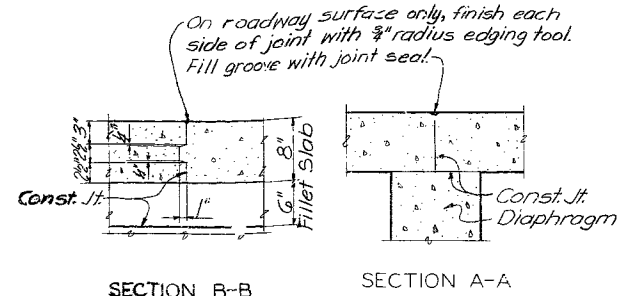
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	115	



NOTES
All longitudinal dimensions are horizontal.
Work this Sheet with Sheet 9 and 10.

PLAN-TOP SLAB
Note: Left Lane shown, Right Lane the same.



DEAD LOAD DEFLECTION ORDINATES
Note: The Contractor shall make allowances in setting forms to compensate for ultimate dead load deflection.
 $E_c = 1,333,333$ psi. used in computing ultimate dead load deflection, $E_c = 4,000,000$ psi. used in computing initial dead load deflection.

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

BRIDGE CITY ROUTE 66 UNDERPASS
STATE ROAD INTERSTATE ROUTE 44
ABOUT 18 MILES S.E. OF CROCKER
PROJECT NO. I-44-2 (37)(RT.I-44) STA. 872+42.8
PULASKI COUNTY
SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

TOP SLAB

SHEET 7 OF 13

A-801

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	116	

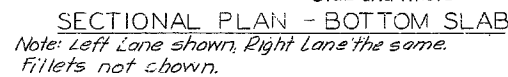
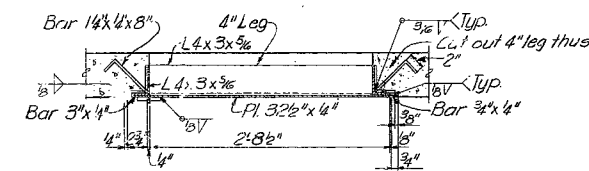


Figure 10 consists of two diagrams. The left diagram is a cross-section of a bottom slab showing a construction joint. It features a central vertical line labeled 'Const. Jt.' with a dimension 'r' above it. The slab is divided into sections with dimensions $\frac{1}{4}d$, $\frac{1}{4}d$, $\frac{1}{4}d$, and $\frac{1}{4}d$ on the left, and $\frac{1}{4}d$, $\frac{1}{4}d$, $\frac{1}{4}d$, and $\frac{1}{4}d$ on the right. The right diagram is a plan view of a cross girder fillet. It shows a circular fillet with a diameter of $d/2$. The fillet is surrounded by a cross girder with a width of $2d$. The fillet is labeled 'Toe of cross girder fillet or face of end bent'. The plan view also shows dimensions $2d$, $2d$, and $2d$ for the fillet and surrounding areas. The word 'PLAN' is written below the diagram.



DETAILS OF ACCESS DOOR
(12 Required)

Note: Payment for furnishing and placing fiber tube, copper screen and caulking compound shall be included in price bid for other items of work.

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

SHEET 8 OF 13

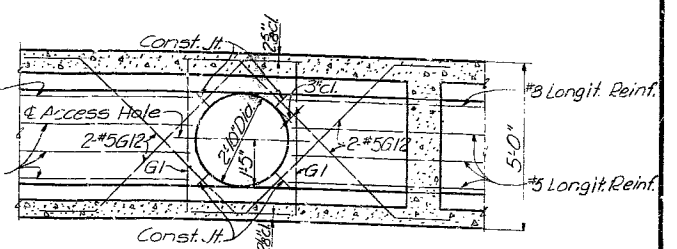
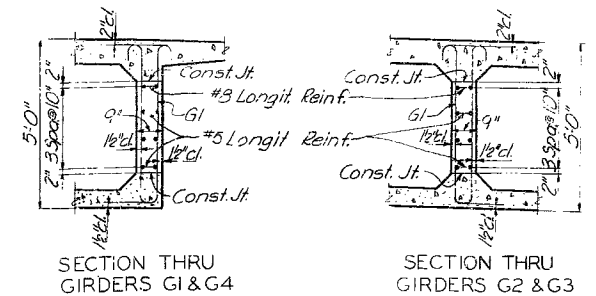
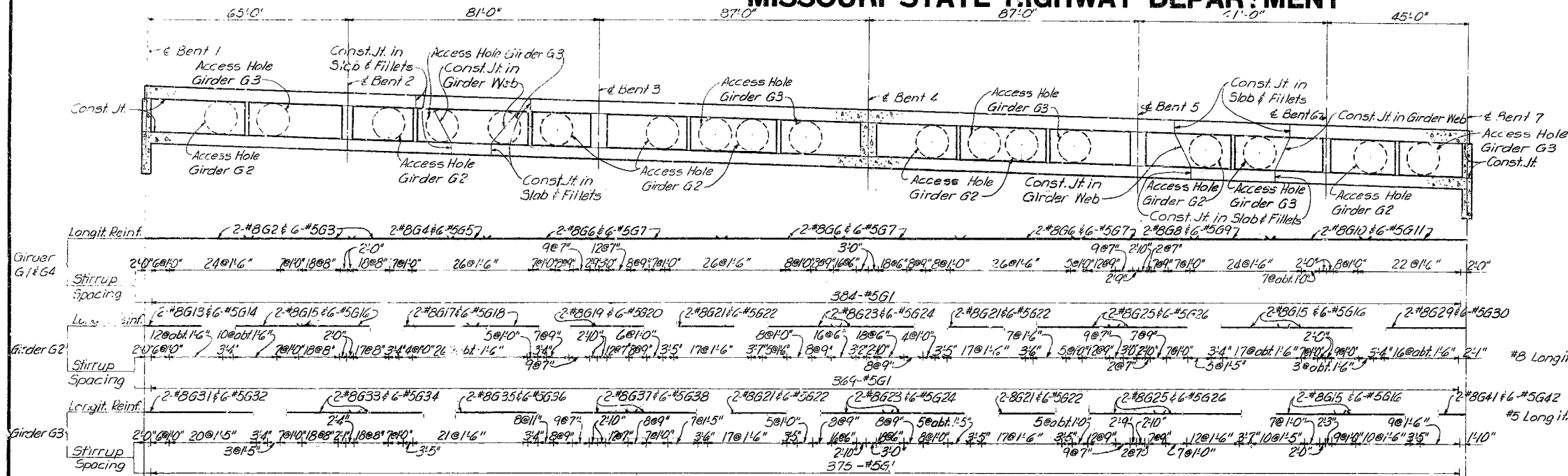
A - 801

NO CONSIDERATION ATTACHED

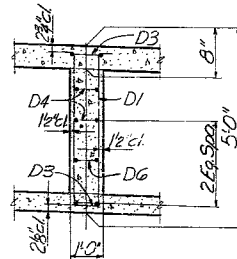
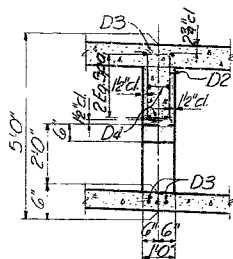
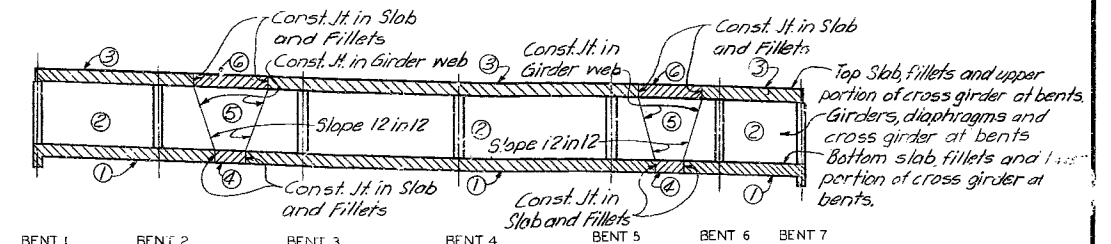
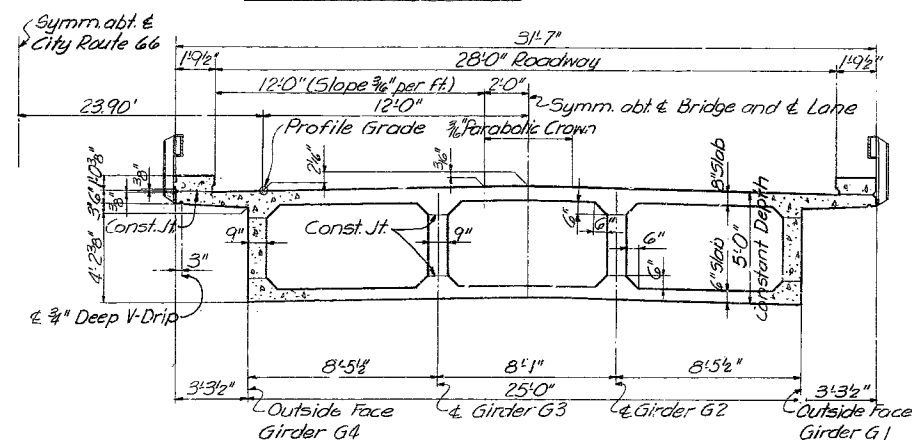
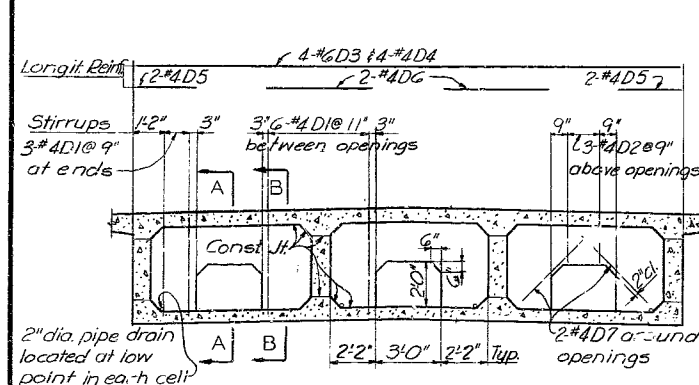
1854 6152	DRAWN BY: H.P. Maloney, Jan., 1961
	TRACED BY:
	CHECKED BY: W. Beste, Mar. 1961

MISSOURI STATE HIGHWAY DEPARTMENT

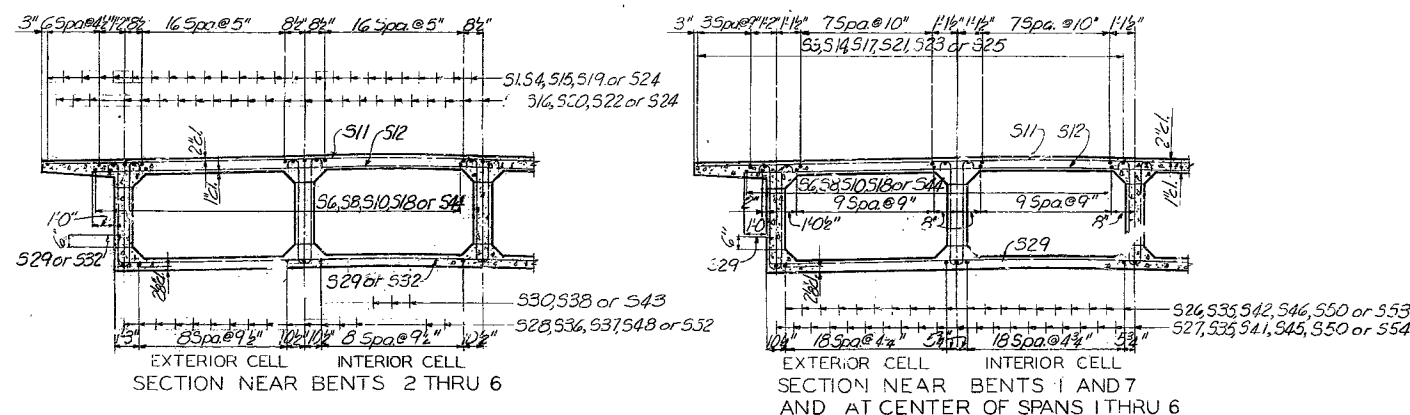
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	117	



GIRDER REINFORCING



Note: For Curb and Handrail details not shown see Sheet 10.



BRIDGE CITY ROUTE 66 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44
ABOUT 13 MILES S.E. OF CROCKER
PROJECT NO. 1-44-2 (37)(RT.I-44) STA. 872+42.8

FULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

CROSS SECTIONS, GIRDERS
AND DIAPHRAGMS

SHEET 9 OF 13

A-801

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

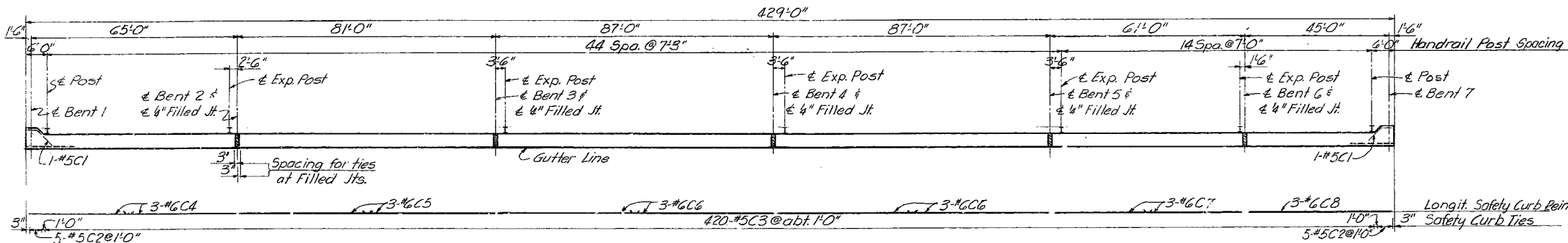
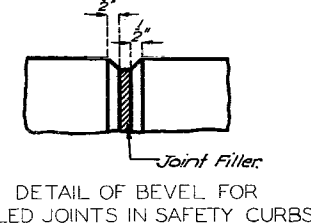
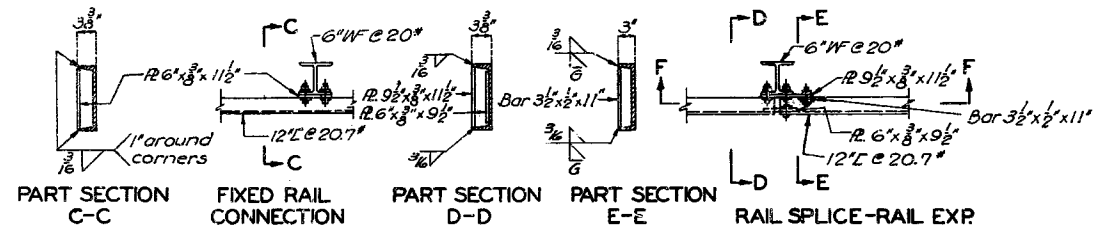
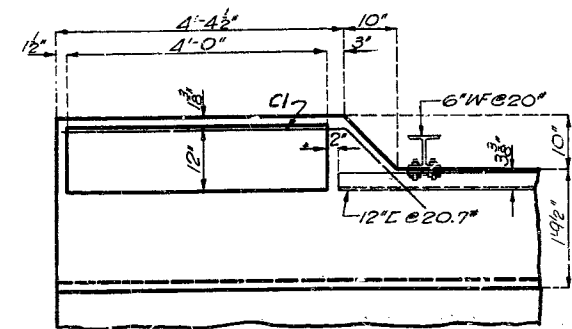
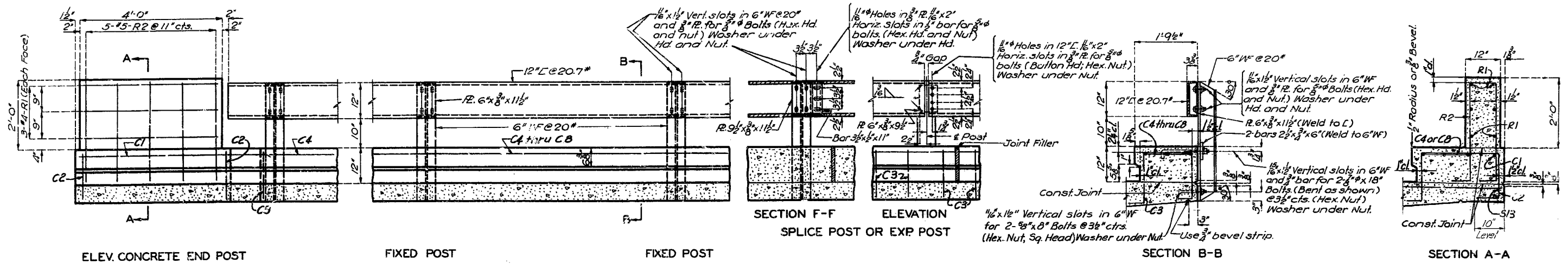
DRAWN BY: H.P. Maloney, Jan., 1961
TRACED BY:
CHECKED BY: W. Beste, Mar., 1961

DIAPHRAGMS

SECTIONS SHOWING REINFORCING

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	118	



SAFETY CURB PLAN
Note: North Safety Curb for Left and Right Lanes shown. South Safety Curbs similar.
All longitudinal dimensions are horizontal.

GENERAL NOTES:
Top of curbs and end posts to be built parallel to grade. Vertical faces of end posts to be vertical. All exposed edges of end posts to be beveled 1/2" 6" W posts to be set normal to grade. 12" L rails shall be fabricated to conform to horizontal and vertical alignment of curb.

BRIDGE CITY ROUTE 66 UNDERPASS
STATE ROAD INTERSTATE ROUTE 44
ABOUT 18 MILES S.E. OF CROCKER
PROJECT NO. I-44-2 (37) RT. I-44 STA. 872+42.8

PULASKI COUNTY

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ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

CURB, END POST
AND HANDRAIL

SHEET 10 OF 13

A-801

NO CONSTRUCTION CHANGES

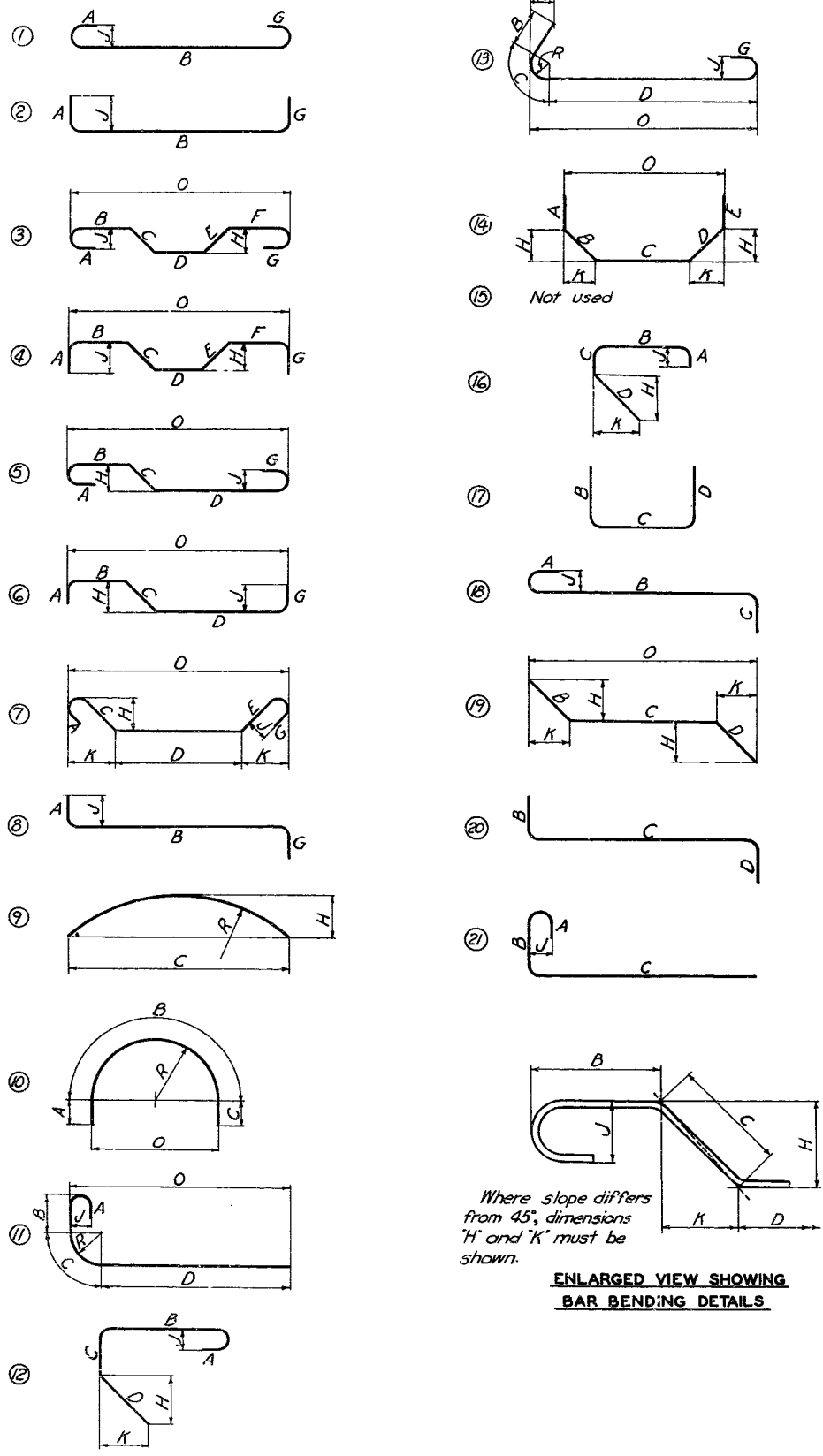
NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

DRAWN BY: H. P. McInerney, Feb., 1961
TRACED BY:
CHECKED BY: W. Beste, Mar. 1961

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	119	

TYPICAL BAR TYPES



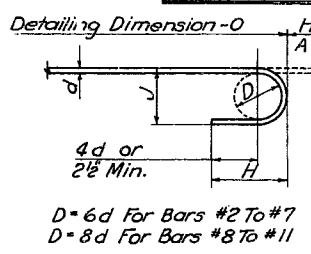
Where slope differs from 45°, dimensions "H" and "K" must be shown.

ENLARGED VIEW SHOWING BAR BENDING DETAILS

NOTES

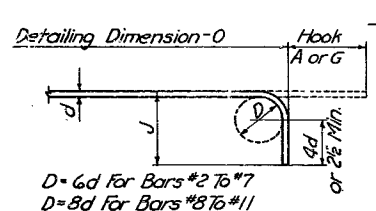
- All dimensions are out to out, except "R" which is to inside of bend.
- "J" Dimension on 180° hooks to be shown in Bar List only where necessary to restrict hook size, otherwise standard hooks are to be used.
- Where "J" is not shown, "J" will be kept equal to or less than "H". Where "J" can exceed "H", it should be shown in Bar List.
- "H" Dimension on stirrups to be shown on Bar List where necessary to restrict hooks.
- Corrections in length, due to bending around a mandrel, will be made only when the radius "R" (as in types 11 and 13) exceeds the standard radii indicated in standard hook dimensions. However, the dimensions "A" or "G" shown for standard hooks have been corrected for curvature.
- All bends shown are bent around a standard mandrel, except where radius "R" is indicated.
- Figures in circles show bar types.
- Where "R" is shown on bar types 9, 10, 11 and 13, the length of bend shall be measured along outside of bend. The length of bar type T3 shall also be measured along outside of bar.

STANDARD HOOK DIMENSIONS



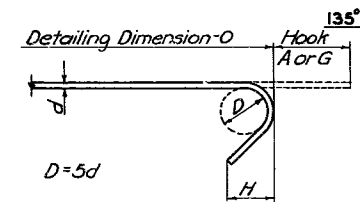
180° HOOK

Bar Size	Hook A or G	J	Approx. H
#2	4"	2"	3 1/2"
#3	5"	3"	4"
#4	6"	4"	4 1/2"
#5	7"	5"	5"
#6	8"	6"	6"
#7	10"	7"	7"
#8	11"	10"	9"
#9	13"	11 1/2"	10 1/2"
#10	15"	14"	11 1/2"
#11	17"	16"	13 1/2"



90° HOOK

Bar Size	Hook A or G	J	Approx. H
#2	3"	3 1/2"	3 1/2"
#3	3"	4"	4"
#4	3"	4 1/2"	4 1/2"
#5	4"	5"	5"
#6	4"	6"	6"
#7	5"	7"	7"
#8	6"	9"	9"
#9	7"	10"	10"
#10	8"	11 1/2"	11 1/2"
#11	9"	13 1/2"	13 1/2"



135° STIRRUP HOOK

Bar Size	Hook A or G	H
#2	3 1/2"	2"
#3	4"	2 1/2"
#4	4 1/2"	2 1/2"
#5	5"	2 1/2"

BAR SIZE EQUIVALENTS

#2	1/4"	#7	7/8"
#3	3/8"	#8	1"
#4	1/2"	#9	1 1/8"
#5	5/8"	#10	1 1/4"
#6	3/4"	#11	1 3/8"

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

BRIDGE CITY ROUTE 66 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44
 ABOUT 18 MILES S.E. OF CROCKER
 PROJECT NO. I-44-2 (37) (RT. I-44) STA. 672+42.8

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
 ENGINEERS - ARCHITECTS
 ST. LOUIS, MO.

TYPICAL BAR TYPES
 AND HOOK DIMENSIONS

SHEET 11 OF 13

A-801

NO CONSTRUCTION CHANGES

15

DRAWN BY: G.J. Dee, April 1961
 TRACED BY:
 CHECKED BY: W. Beste, April 1961

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	120	

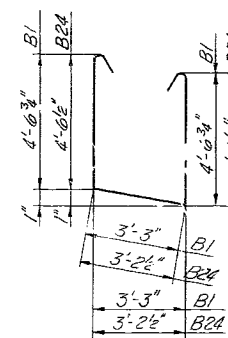
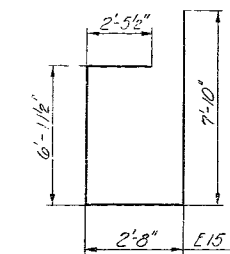
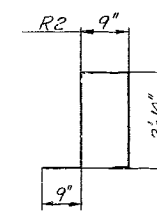
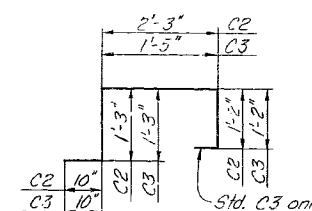
NOTES
Work this sheet with Sheet 13.

BAR LIST	SHEET 12 OF 13	A-801
NO CONSTRUCTION CHANGES		STANDARD B2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	121	

Mark	Cutting Schedule	D	G	E	F	K	L
W13	Cut 1 Set of 12	9:7"	10:3"	7:10 ³ / ₈	9:11 ³ / ₈	8:1 ³ / ₈	19:1"
W14	Cut 1 Set of 9	9:2"	10:3"	9:10 ³ / ₈	9:11 ³ / ₈	6:1 ³ / ₈	19:1"
W15	Cut 1 Set of 12	7:2 ³ / ₈ "	7:11"	7:6 ³ / ₈	7:7 ³ / ₈ "	3:2 ³ / ₈ "	15:1"
W22	Cut 1 Set of 12	7:1 ³ / ₈ "	7:11"	7:6 ³ / ₈	7:7 ³ / ₈ "	3:1 ³ / ₈ "	15:1"

Mark	Cutting Schedule	B	C	K	L
E1	Cut 4 Sets of P5 Each	6'3"	8'1"	5'6"	14'



A dash is used in the appropriate dimension column to indicate that a hook, bend or portion of the standard bar type is to be omitted.

See Sheet 11 for Typical Bar Types and Hook Dimensions.

Bars listed as Spl. in the type column require special bending, see details.

Dimensions, bending and hooks for Special Bending Details shall conform to the standards as noted or shown on Sheet 11.

SYVERDRUP & PARCEL ENGINEERING CO.
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ST. LOUIS, MO.

A-801-4
A-801-3
A-801-2
A-801-1
A-801

NO CONSTRUCTION STANDARD B2

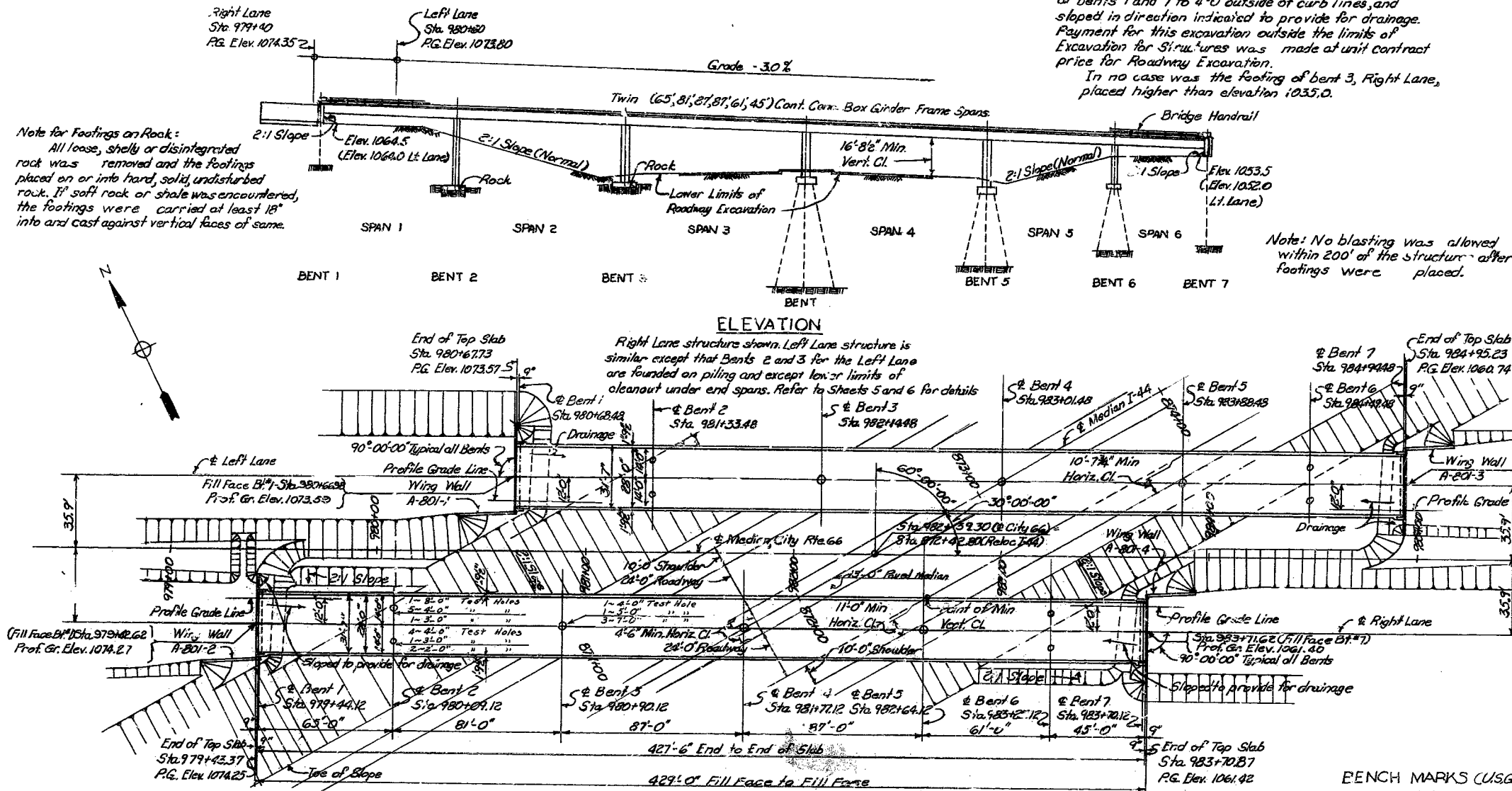
1254	DRAWN BY: G. J. DeS, April 1961
61-10000	TRACED BY:
	CHECKED BY: J. W. DeS, April 1961

MISSOURI STATE HIGHWAY DEPARTMENT

Note: All material was removed to elevations shown at bents 1 and 7 to 4'-0" outside of curb lines, and sloped in direction indicated to provide for drainage. Payment for this excavation outside the limits of Excavation for Structures was made at unit contract price for Roadway Excavation. In no case was the footing of bent 3, Right Lane, placed higher than elevation 1035.0.

GENERAL NOTES

- SPECIFICATIONS: Missouri State Highway Commission Standard Specifications (1961 Edition) and Special Provisions
- DESIGN LOADING: In accordance with Division I of the AASHTO Standard Specifications for Highway Bridges, 1957 Edition with 1959 TB revisions
- Live Load: HS-20-44; Dead Load: Provision is made for a future wearing surface of 15 pounds per square foot of roadway surface.
- DESIGN UNIT STRESSES:
- Concrete in flexure: Class B Concrete - 1800 lbs. per sq. in.
 - Class B1 Concrete - 1600 lbs. per sq. in.
 - Reinforcing Steel: 20,000 lbs. per sq. in.
- ROADWAY WEARING SURFACE: The roadway slab as detailed includes all wearing surface, cured monolithically with the slab.
- REINFORCEMENT: All dimensions to reinforcing steel on detail drawings are to center of bar except where the clear distance is noted from the face of concrete. All reinforcing steel was lapped a minimum of 32 diameters unless otherwise shown or noted.
- CONCRETE: Concrete for superstructure was Class B1 air-entrained. Concrete for column footings and wing walls was Class B air-entrained.
- BEVELED EDGES: All exposed edges of concrete were beveled $\frac{3}{4}$ " unless otherwise shown or noted.
- FILLED JOINTS: Where filled joints are specified on the plans, the joint filler does conform to the requirements for "Gray Sponge Rubber Compound Expansion Joints," Section 1572.4 of the Standard Specifications.
- WELDING: Qualification of welding operators was required (Sta. 984+95.98 (Fill Face B1#7) Prof. Gr. Elev. 1060.72)
- SURFACE SEALING: The top surface of the concrete roadway, the roadway face and top surface of the safety curbs were surface sealed.
- FOUNDATION ROCK PRESSURE: Maximum design load is limited to 5 tons/sq. ft. for vertical loads.
- PILING: All piling does conform to the details shown on the detail drawings. Piling was driven to solid rock, boulders, shale, or cemented gravel or to not less than the full length authorized and to sustain a design load of at least 37 tons for 10BP42 piles and 64 tons for 14BP73 piles.
- Piles for end bents were painted in accordance with Section 52.47 of the Standard Specifications.
- PAINTING: Shop prime; Field contact surfaces of bolted field connections, steel to steel, one coat of red lead and surfaces inaccessible after erection three coats of red lead. All other exposed surfaces first coat red lead, second coat brown, third coat aluminum except that final coat on access doors and frames was gray. Payment for cleaning and painting was included in price bid for items painted.



BENCH MARKS (U.S.G.S. Datum)

□ on N.W. Corner Wingwall, Bt. 7, R.L. Lane Bridge
Station 983+70, City Rte 66 Elev. 1061.65

PLAN

Note: All stationing given along City Rte 66.
Span lengths for Left Lane same as shown for Right Lane.

FINAL QUANTITIES

Item	Substr.	Superstr.	Total
Class I Excavation for Structures	Cu. Yd. 1158.0		1158.0
Class B Concrete	Cu. Yd. 255.6		255.6
Class B1 Concrete	Cu. Yd. 1977.4		1977.4
Reinforcing Steel	Lb. 23000	546500	569500
10BP42 Steel Piles in Place	Lin. Ft. 464		464
10BP42 Steel Pile Cut-Offs	Lin. Ft. 436		436
14BP73 Steel Piles in Place	Lin. Ft. 2437		2437
14BP73 Steel Pile Cut-Offs	Lin. Ft. 1146		1146
Fabricated Structural Carbon Steel	Lb. 58670		58670

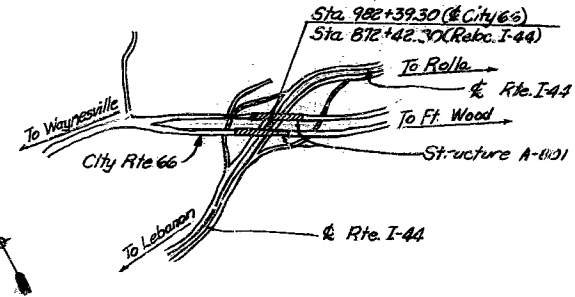
Note: Final quantity of Class B Concrete includes only the concrete in column footings and wing walls.
Final quantity of Fabricated Structural Carbon Steel includes the total weight of structural steel for the bridge handrail, anchor bolt assemblies for the handrail posts, access doors and frames.
Final quantity of Class I Excavation for Structures includes only amount of excavation below Lower Limits of Roadway Excavation.

FINAL QUANTITIES (CONT.)

CONTINGENT ITEMS	
Class I Excavation + 25%	Cu. Yd. 30.0
Class I Excavation + 25% (Agreed Price)	Cu. Yd. 2.0
Test Holes	Lin. Ft. 85
Left Over Piling (14")	Lin. Ft. 135
Haul Left Over Piles (Steel) to Storage L.S.	L.S. 0.96

Proper pile lengths to give required bearing and/or penetration were authorized by the Engineer.
All piles were driven with a power hammer.

LOCATION SKETCH



DR. W.N. BY: G.J. Dee, Feb. 1961
TRACED BY:
CHECKED BY: W. Beste, Mar. 1961

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

SUBMITTED BY:
REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-2047

GENERAL PLAN AND ELEVATION

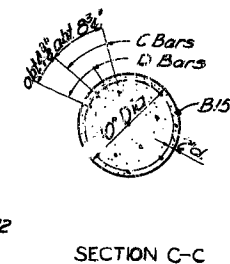
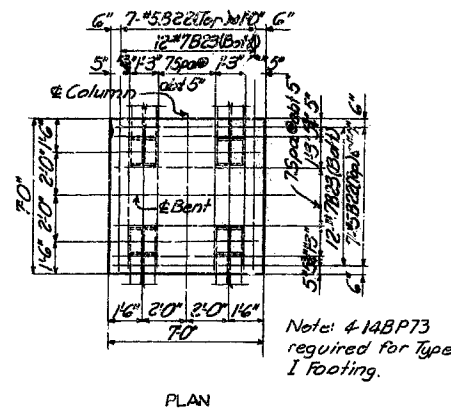
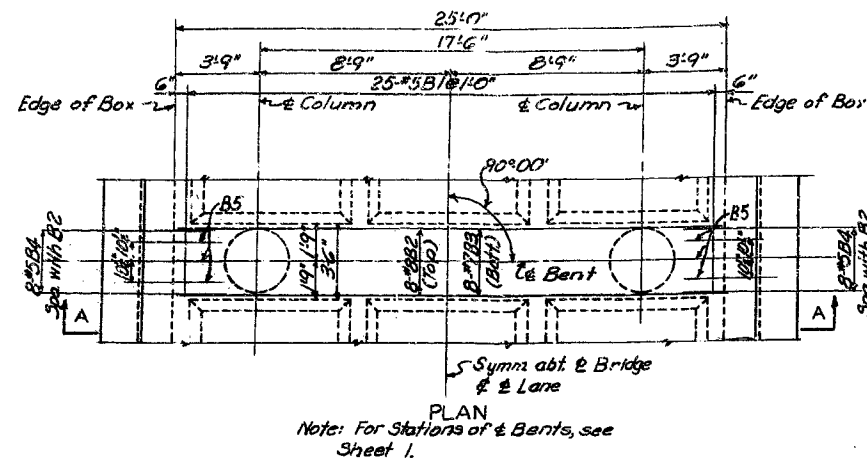
SHEET 1 OF 3

FINAL PLAN

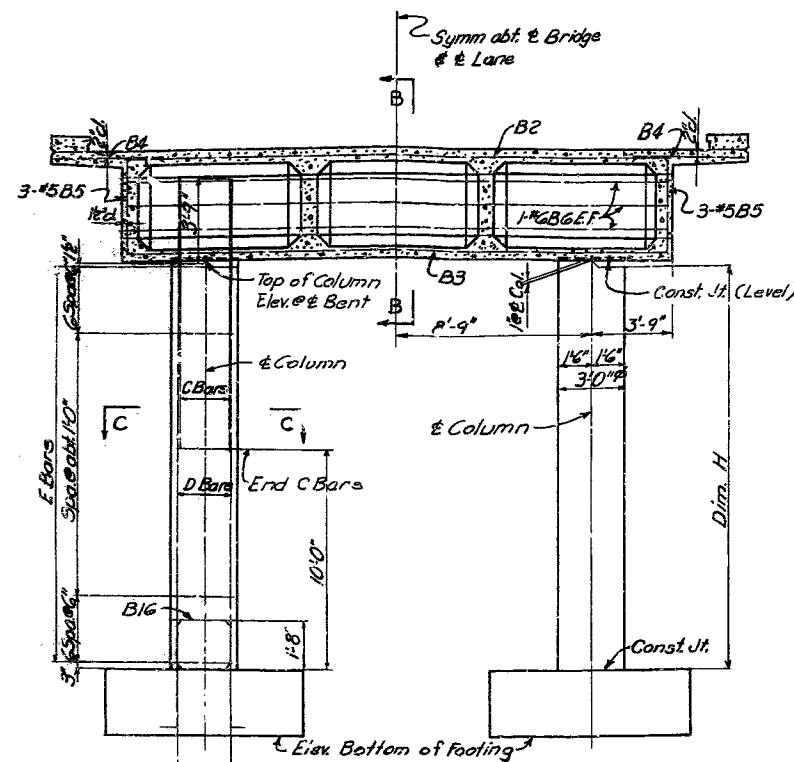
STD. 5400
A-801-4
A-801-3
A-801-2
A-801-1
A-801

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		18	113	

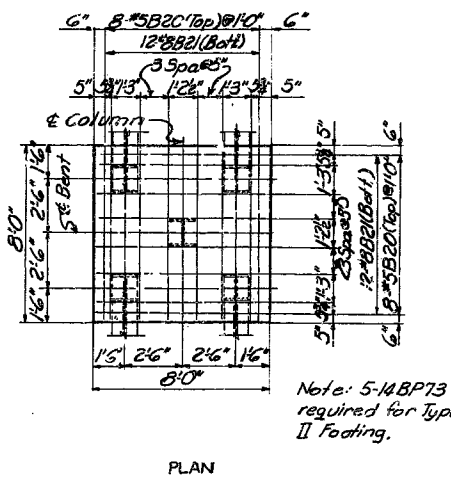


FOOTING TYPE I

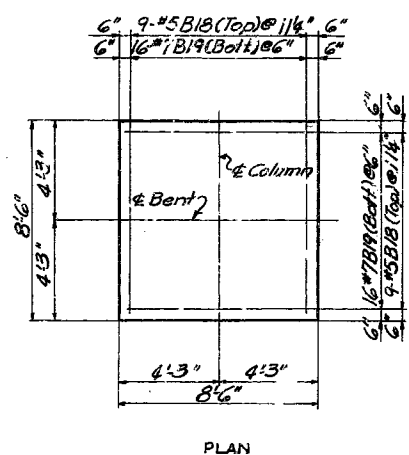


Types I & II 11 #5 B16 Dowels
Spa. with D Bars
Type III 11 #5 B17 Dowels
Spa. with D Bars

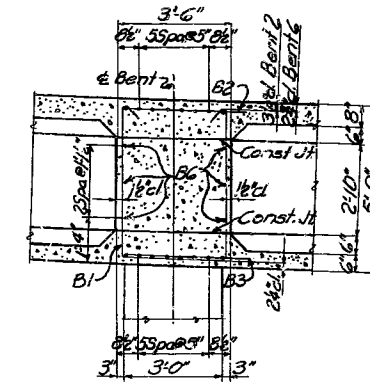
SECTION A-A



FOOTING TYPE II



FOOTING TYPE III



NOTES
E.F. indicates Each Face.
See Sheet 1 for pile lengths

	LEFT LANE		RIGHT LANE	
Bent	2	6	2	6
Footing Type	II	I	III	I
Elev. Top of Column	1066.66	1057.13	1067.34	1057.86
Elev. Batt. of Footing	1044.00	1035.00	*	1036.00
Dimension H	19'-7 1/2"	19'-2 1/2"	*	18'-10 3/4"
C Bars	11 #11 B7	11 #11 B8	11 #11 B9	11 #11 B10
D Bars	11 #11 B11	11 #11 B12	11 #11 B13	11 #11 B14
E Bars	26 #5 B15	26 #5 B15	37 #5 B15	26 #5 B15

* R.H. Fly. 1033.30' L.H. Fly. 1033.6' FOOTING TYPE III
** H.L. ~ 1'-6 1/2" H.R. ~ 31'-2 1/8"

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

BRIDGE CITY ROUTE 66 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

ABOUT 1/2 MILES S.E. OF CROCKER

PROJECT NO. I-44-2 (37) (RT. I-44)

STA. 872+42.8

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

BENTS 2 AND 6

A-801

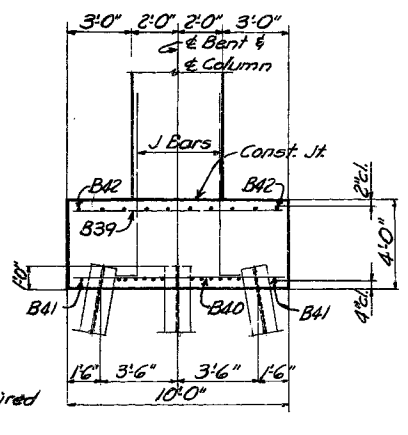
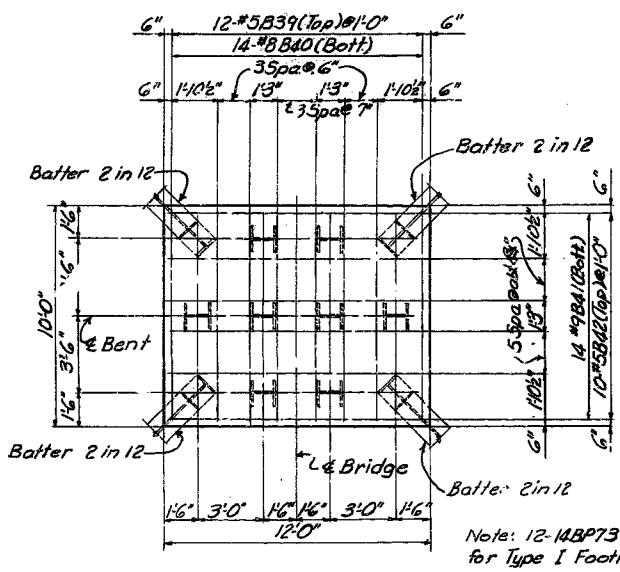
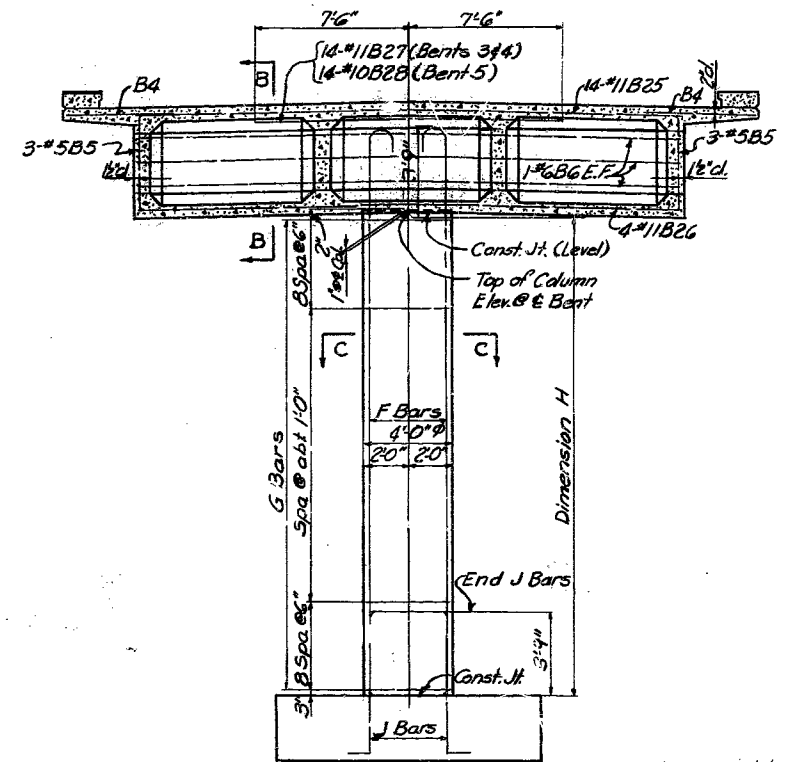
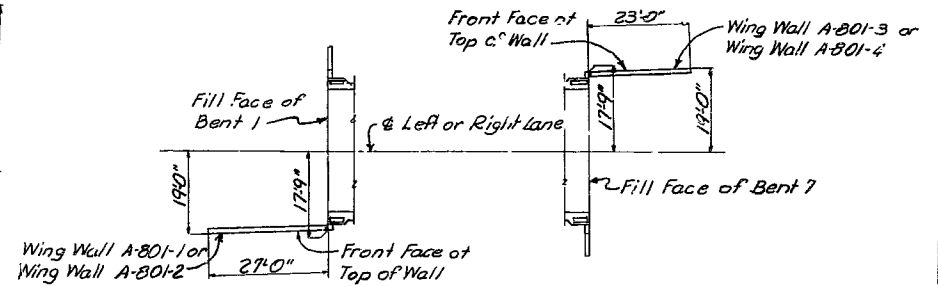
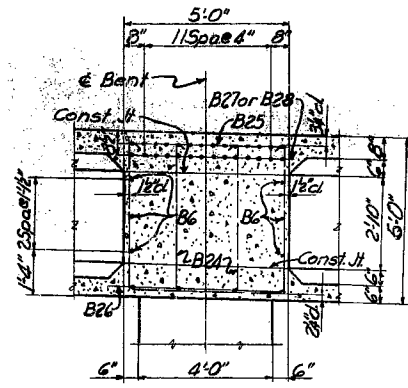
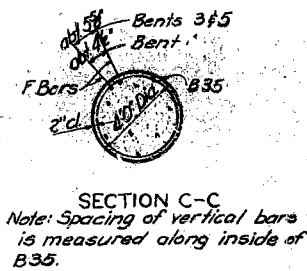
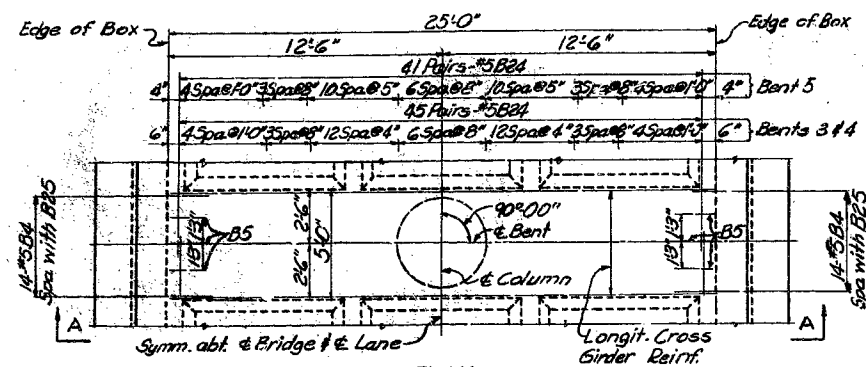
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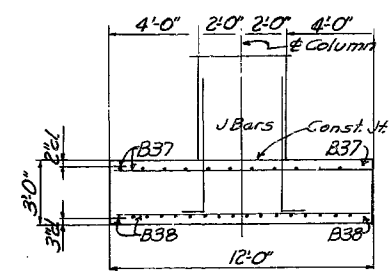
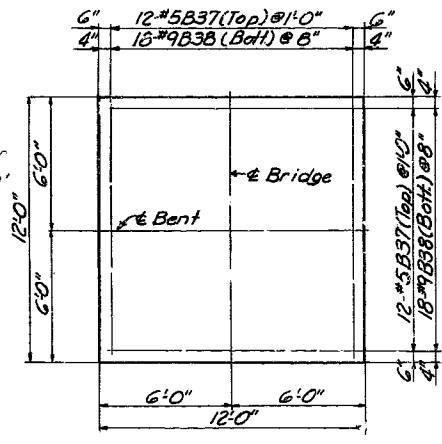
SHEET 140F

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	MO.		18	114	



FOOTING TYPE I



FOOTING TYPE II

	LEFT LANE			RIGHT LANE		
Bent	3	4	5	3	4	5
Footing Type	I	I	I	II	I	I
Elev. Top of Column	1064.34	1061.73	1059.12	1065.02	1062.41	1059.80
Elev. Bottom of Footing	1034.00	1037.00	1033.00	1035.00	1037.00	1033.00
Dimension H	26'-4"	20'-8"	22'-4"	27'-0"	21'-4"	22'-9"
F Bars	24-#11B29	30-#11B30	24-#11B31	24-#11B32	30-#11B33	24-#11B34
G Bars	35-#5B35	29-#5B35	31-#5B35	32-#5B35	30-#5B35	31-#5B35
J Bars	24-#11B36	30-#11B36	24-#11B36	24-#11B36	30-#11B36	24-#11B36

Note: A void below top of Bt. 3 R.H. Lane approx. 8'-4"x12' and 7' deep was filled with C12 concrete.

NOTES
E.F. indicates Each Face.
See Sheet 1 for pile lengths

BRIDGE CITY ROUTE 66 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44
ABOUT 18 MILES S.E. OF CROCKER
PROJECT NO. J-44-2 (37)(RTI-44) STA. 872+42.8

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

BENTS 3, 4 & 5

SHEET 14 OF 15

A-801-4
A-801-3
A-801-2
A-801-1
A-801

FINAL PLANS

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

20

STATE	5 MO.	FEDERAL PROJECT No. & SEC.	1-44-2(37)
DIST. No.	8	COUNTY	PULASKI
ROUTE	I-44		
A-801-1			

TITLE SHEET

SEE

PULASKI RTE. I-44

I-44-2(37)

A-801

ROLL #692

FINAL SURVEY	DATE
NO. _____	BY _____
NOTED BY _____	DATE _____
PLOTTED BY _____	DATE _____
REMARKS	

ORIGINAL SURVEY	DATE
NO. _____	BY _____
NOTED BY _____	DATE _____
PLOTTED BY _____	DATE _____
REMARKS	

1

FED. ROAD DIST. NO.	STATE	FEDERAL PROJECT NO. & SEC.	SHEET NO.
5	MO.	I-44-2(37)	
DIST. NO.	COUNTY	ROUTE	SEC.
8	PULASKI	I-44	
A-801-2			

TITLE SHEET

SEE

PULASKI RTE. I-44

I-44-2(37)

A-801

FINAL SURVEY	DATE
NO.	

ORIGINAL SURVEY	DATE
NO.	

2

TO ROAD DIV. No.	STATE	FEDERAL PROJECT No. & SEC.	SHEET No.
5	MO.	I-44-2(37)	
SHEET No.	COUNTY	ROUTE	SEC.
8	PULASKI	I-44	
4-801-3			

TITLE SHEET

SEE

PULASKI RTE. I-44

I-44-2(37)

A-801

FINAL SURVEY	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
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ORIGINAL SURVEY	DATE
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3

5	MO.	I-44-2(37)	
8	PULASKI	I-44	
A-801-4			

TITLE SHEET

SEE

PULASKI RTE. I-44

I-44-2(37)

A-801

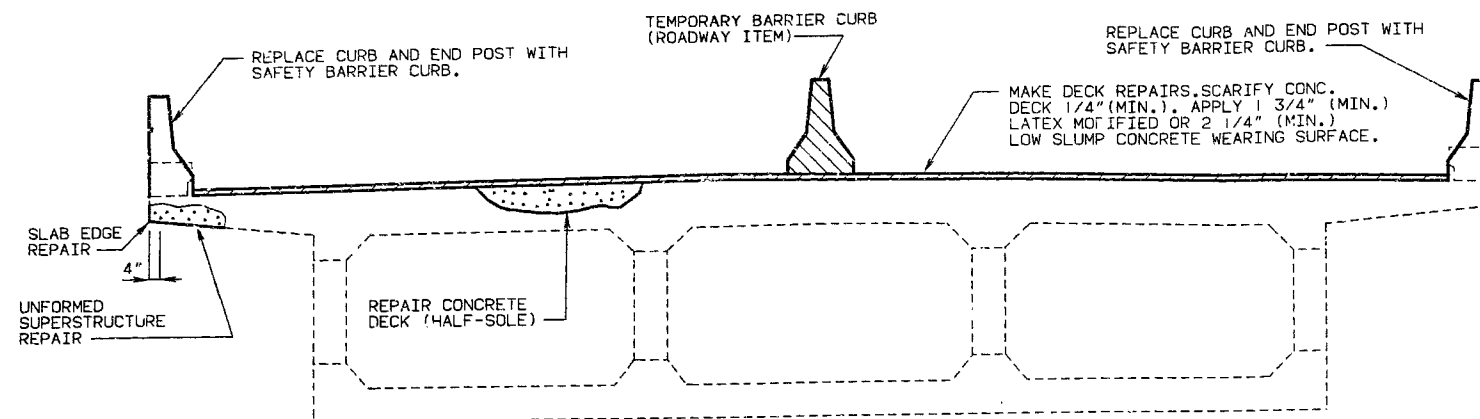
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NO.	NO.	NO.

ORIGINAL	SURVEY	DATE
NO.	NO.	NO.

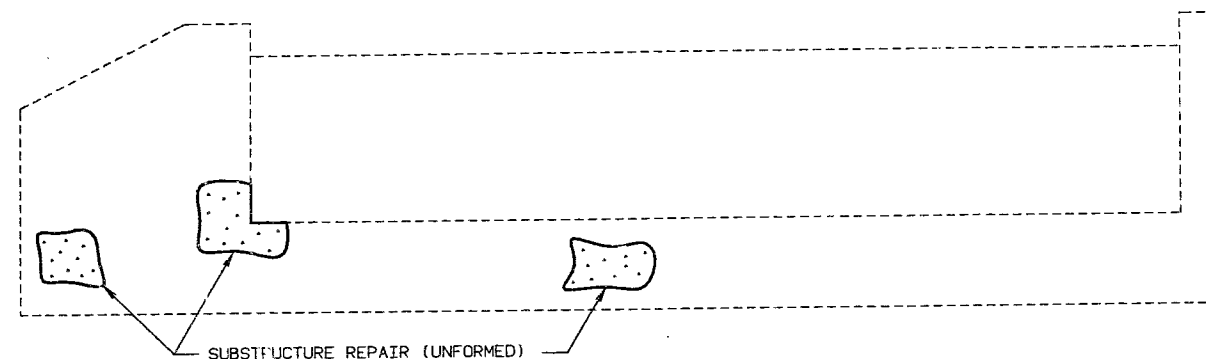
4

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

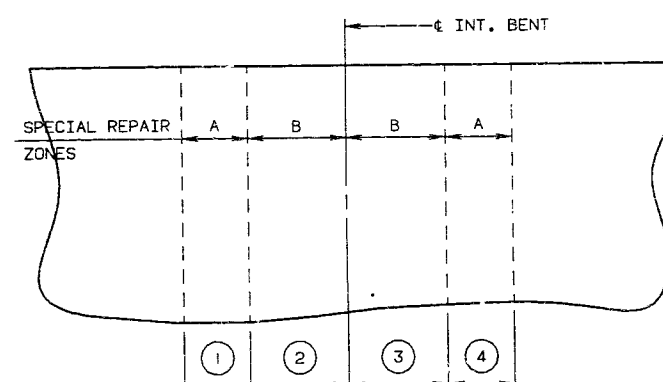
STATE	PRJ. NO.	SHEET NO.
MO.	F.A.I.-44-2 (154)	1
SEC./SUR.	29 TWP. 36N RGE. 11W	



TYPICAL SECTION
(RIGHT LANE SHOWN LEFT LANE SIMILAR)



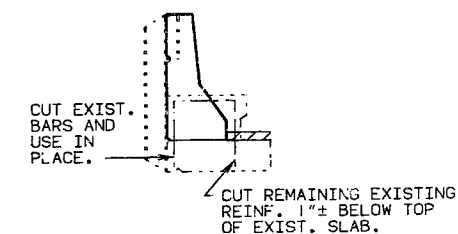
TYPICAL SECTION NEAR END BENT
(RIGHT LANE SHOWN LEFT LANE SIMILAR)



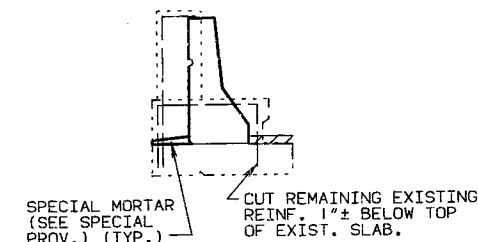
PART PLAN OF SLAB SHOWING SPECIAL REPAIR ZONES

TABLE OF DIMENSIONS FOR SPECIAL REPAIR ZONES				
	①	②	③	④
BT. #2	6'-4"	8'-4"	9'-4"	10'-4"
BT. #3	8'-10"	10'-5"	10'-5"	5'-10"
BT. #4	5'-10"	11'-4"	11'-4"	5'-10"
BT. #5	4'-10"	8'-10"	8'-4"	7'-4"
BT. #6	11'-6"	10'-0"		

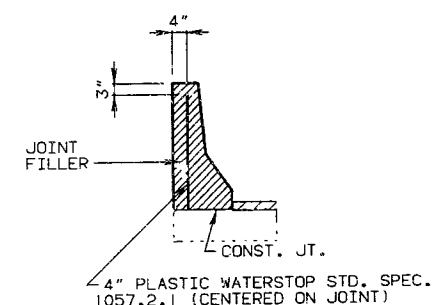
NOTE: ZONES WITH THE SAME LETTER DESIGNATION MAY BE REPAIRED AT THE SAME TIME.
ANY REPAIR IN THE REMAINDER OF THE EDGE THAT IS WITHIN 2'-2" OF ZONE A SHALL BE COMPLETED BEFORE REMOVING OLD CONCRETE IN ZONE A.



PART SECTION SHOWING EXISTING REINFORCING



PART SECTION NEAR END BENT SHOWING EXISTING REINFORCING



NOTE: PLASTIC WATERSTOP SHALL BE PLACED IN ALL SAFETY BARRIER CURB FILLED JOINTS. COST OF PLASTIC WATERSTOP COMPLETE IN PLACE TO BE INCLUDED IN CONTRACT UNIT PRICE FOR SAFETY BARRIER CURB.

DETAILS OF PLASTIC WATERSTOP

GENERAL NOTES:

DESIGN SPECIFICATIONS: AASHTO-1989 AND INTERIMS THRU 1990.

DESIGN UNIT STRESSES:
CLASS B1 CONCRETE (SAFETY BARRIER CURB) F'C=4000 PSI
REINFORCING STEEL (GRADE 60) F_y=60,000 PSI

JOINT FILLER:
ALL JOINT FILLER SHALL MEET THE REQUIREMENTS OF STD. SPEC. 1057.2.4, EXCEPT AS NOTED.

REINFORCING STEEL:
MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1 1/2" UNLESS OTHERWISE SHOWN.

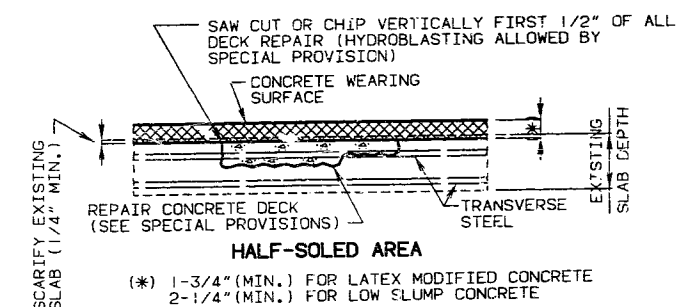
EXISTING WORK:
OUTLINE OF OLD WORK IS INDICATED BY LIGHT DASHED LINES. HEAVY LINES INDICATE NEW WORK. BARS BONDED IN OLD CONCRETE NOT REMOVED SHALL BE CLEANLY STRIPPED AND EMBEDDED INTO NEW CONCRETE WHERE POSSIBLE. IF LENGTH IS AVAILABLE, OLD BARS SHALL EXTEND INTO NEW CONCRETE AT LEAST 42 DIAMETERS FOR SMOOTH BARS AND 30 DIAMETERS FOR DEFORMED BARS, UNLESS OTHERWISE SHOWN.

TRAFFIC MAINTAINED:
THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC DURING CONSTRUCTION. (SEE ROAD LANS)

ROADWAY SURFACING ADJACENT TO BRIDGE ENDS SHALL BE ADJUSTED TO MATCH BRIDGE OVERLAY.

ITEM		TOTAL
REMOVAL AND STORAGE OF EXISTING BRIDGE RAIL	LIN. FT.	1682
CURB REMOVAL (BRIDGES)	LIN. FT.	1716
SEAL COAT REMOVAL (BRIDGES)	SQ. FT.	24256
SUBSTRUCTURE REPAIR (UNFORMED), SEE SPECIAL PROV.	SQ. FT.	40
SUPERSTRUCTURE REPAIR (UNFORMED), SEE SPECIAL PROV.	SQ. FT.	31
SAFETY BARRIER CURB	LIN. FT.	1716
REPAIRING CONCRETE DECK (HALF-SOLING)	SQ. FT.	150
SLAB EDGE REPAIR (BRIDGES)	LIN. FT.	23
CONCRETE WEARING SURFACE, SEE SPECIAL PROVISIONS	SQ. YD.	2757

NOTE: IN ORDER TO MAINTAIN GRADE AND A MINIMUM THICKNESS OF OVERLAY AS SHOWN ON PLANS IT MAY BE NECESSARY TO USE ADDITIONAL QUANTITIES OF OVERLAY AT VARIOUS LOCATIONS THROUGHOUT THE STRUCTURE.
NO PAYMENT WILL BE ALLOWED FOR ADDITIONAL LABOR, MATERIALS OR EQUIPMENT FOR VARIATIONS IN THICKNESS OF OVERLAY.



REPAIRS TO CITY RTE. 66 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

IN WAYNESVILLE

PROJECT NO. F.A.I.-44-2 (154)

JOB NO. J910299

PULASKI

STA. 980+66.98 (LT.)
979+42.62 (RT.)

RTE. I-44

COUNTY

STD.
STD. 706.35
A-801R

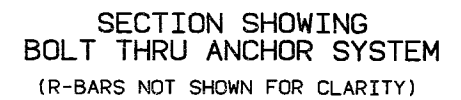
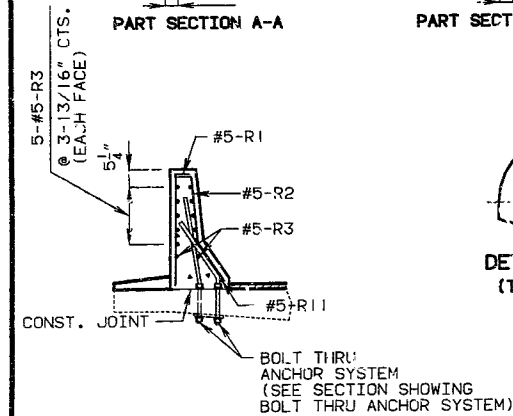
DESIGNED SEPT. 1991
DETAILED SEPT. 1991
CHECKED SEPT. 1991

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. OF 3.

DATE 11/5/91

MO.	F.A.I.-44-2 (154)
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Technical drawing of a rectangular plate. The overall dimensions are 8" wide by 4" high. The top edge has a 1 1/2" section on the left, a 5" central section, and a 1 1/2" section on the right. The left edge has a 2" section at the top and a 2" section at the bottom. Two mounting holes are shown, each with a diameter of 4" x 8" x 5/8" (A-36) (GALV.). The holes are spaced 5" apart horizontally and 2" from the bottom edge vertically.



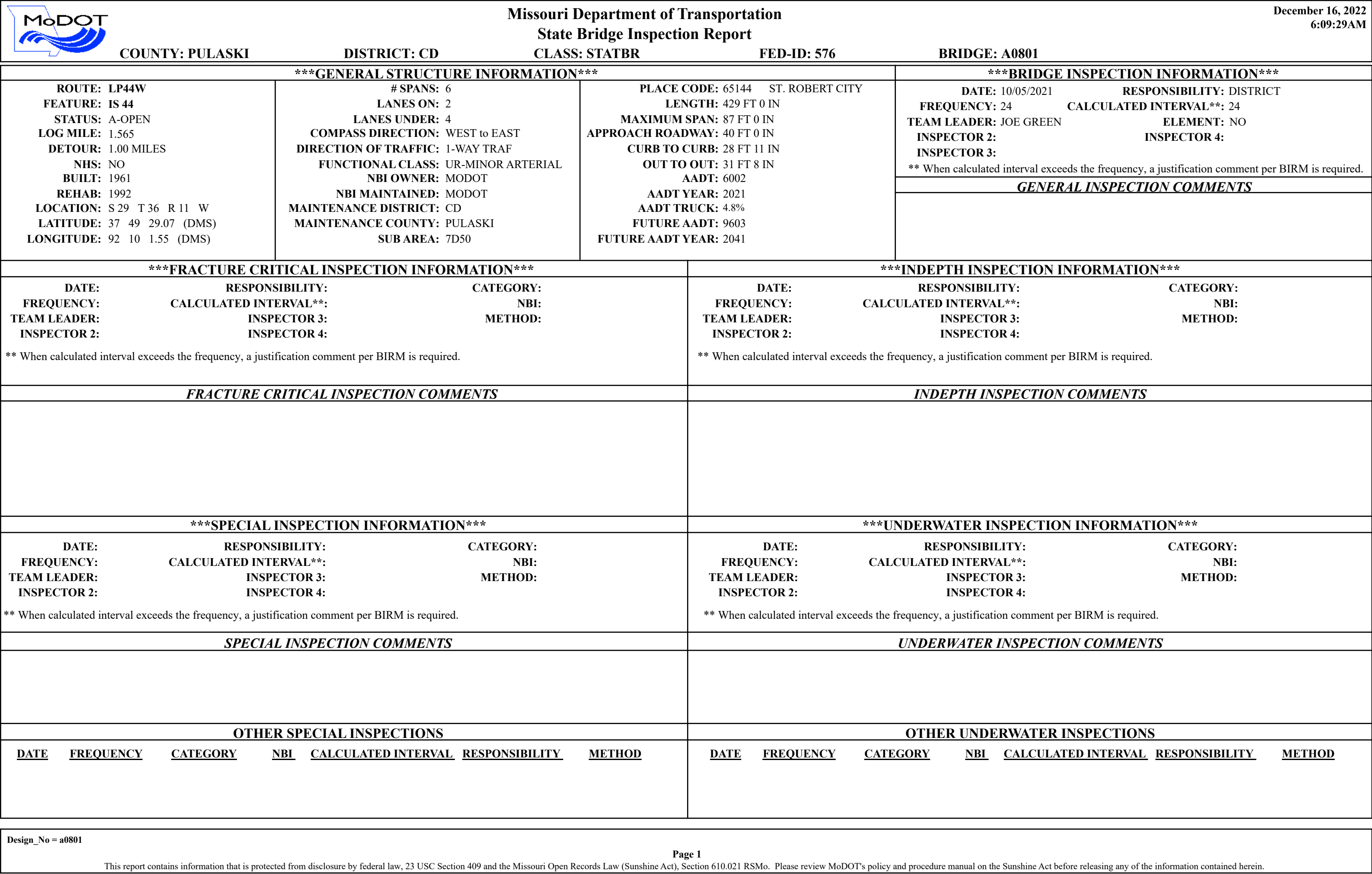
SHEET NO. 3 OF 3.


COUNTY


A-801R

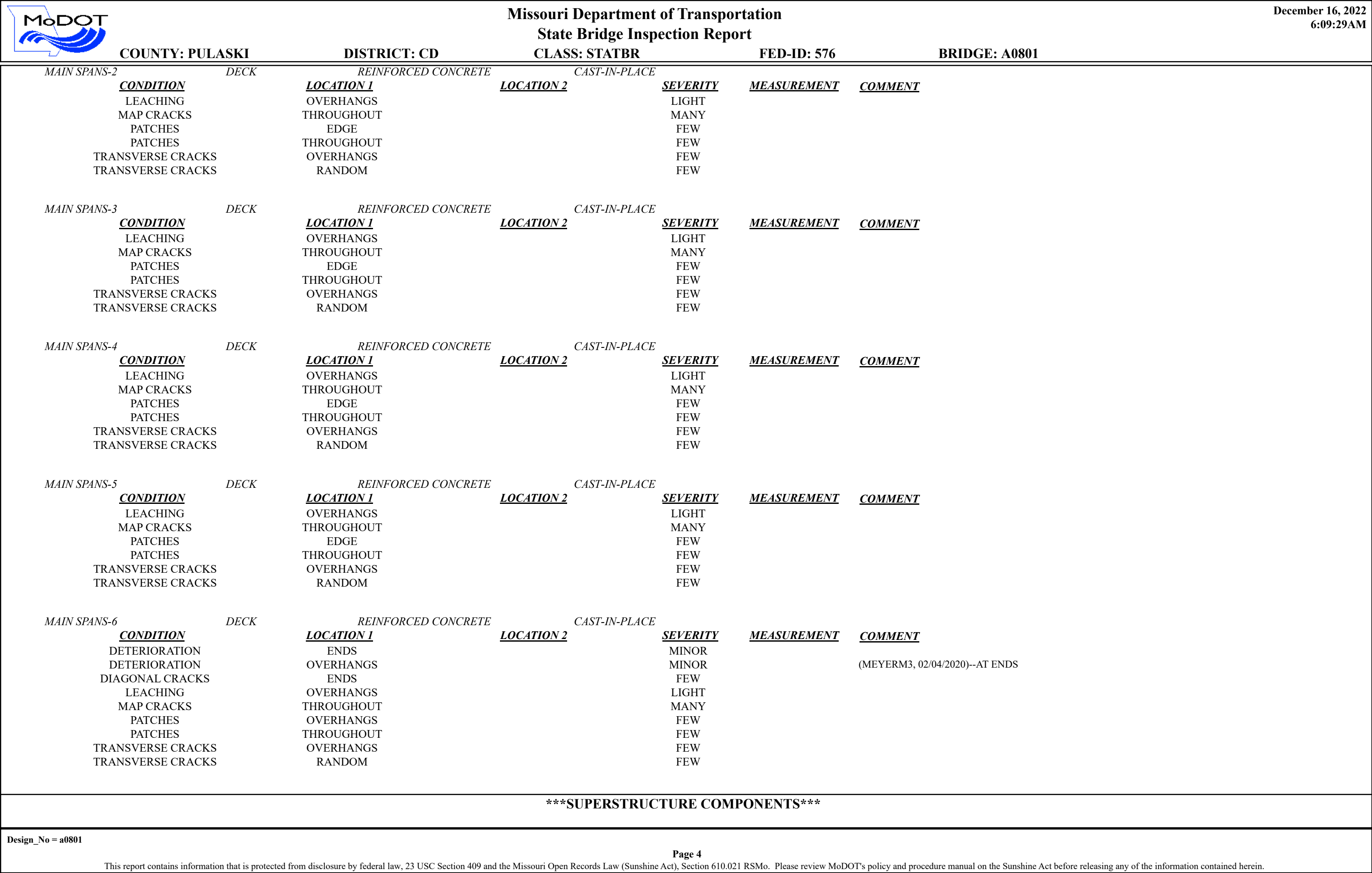
B/C EPI6,GS 3.30,TT , A	REVISED:
DAL - TEE ENPOST (16")	MARCH 1991

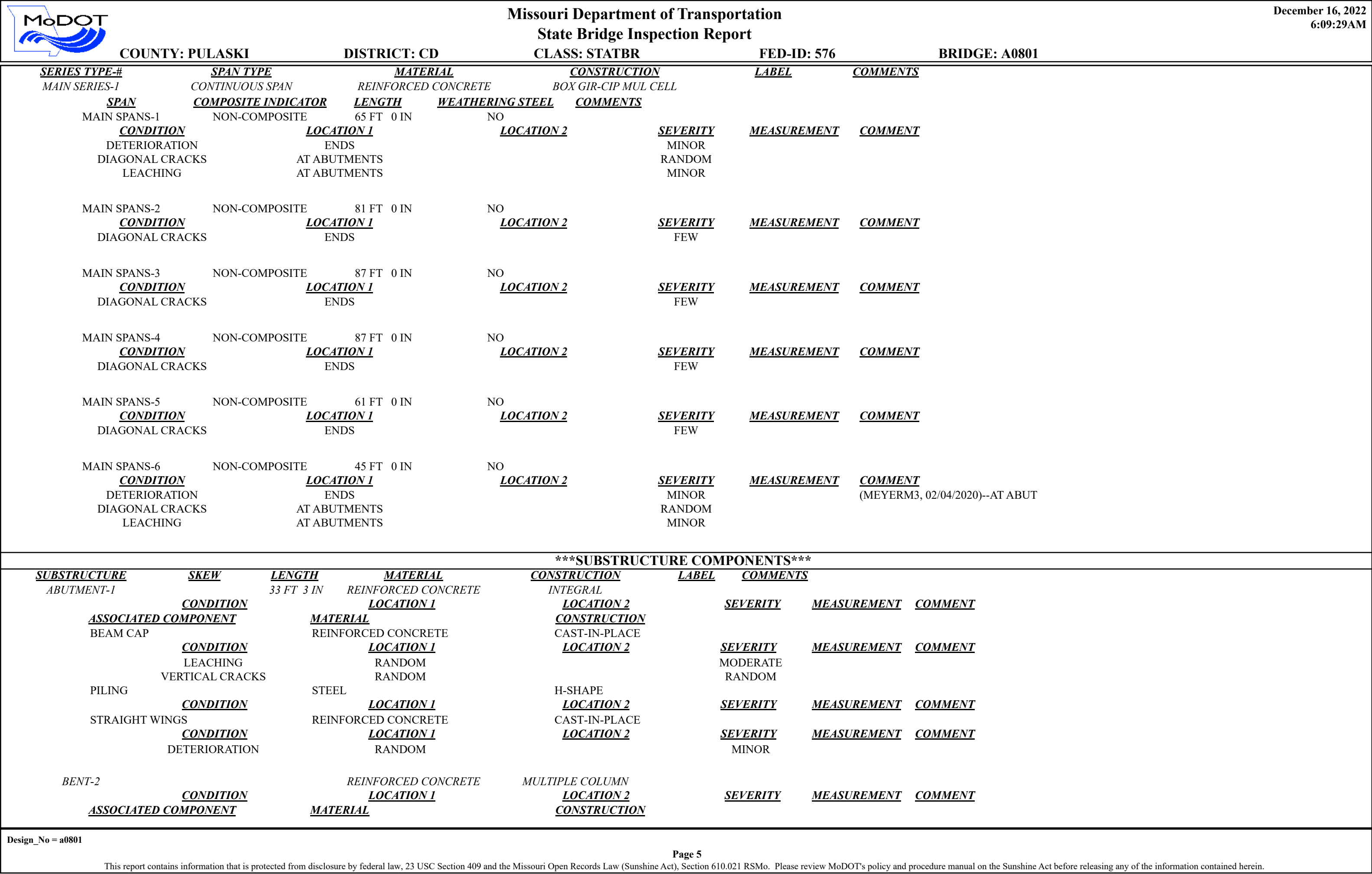
DETAILED SEPT. 1991
CHECKED SEPT. 1991



		Missouri Department of Transportation			December 16, 2022	
		State Bridge Inspection Report			6:09:29AM	
COUNTY: PULASKI		DISTRICT: CD	CLASS: STATBR	FED-ID: 576	BRIDGE: A0801	
STRUCTURE POSTING						
APPROVED CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:		PROBLEM:
COMMENTS:		PROBLEM DIRECTION:				
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/21/2008)--(65'-81'-87'-87'-61'-45') CONT CONC BOX GDR SPANS						
[ITEM 58] DECK: 6-SATISFACTORY CONDITION		COMMENTS: (OTTINM, 11/14/2013)--TRANCRACKS & LEACHING.				
RATING : 05/18/2001		(MEYERM3, 10/28/2019)--DELAMS OVER INT BENTS AND ELSEWHERE				
[ITEM 59] SUPER: 6-SATISFACTORY CONDITION		COMMENTS: (STEGEC, 12/20/2017)--VERT & DIAG CRACK WITH MINOR SPALLS AND DETER				
RATING : 05/18/2001						
[ITEM 60] SUB: 6-SATISFACTORY CONDITION		COMMENTS: (STEGEC, 12/20/2017)--VERT & DIAG CRACK WITH MINOR SPALLS AND DETER				
RATING : 05/18/2001						
[ITEM 61] BANK/CHANNEL: N-NOT APPLIC NO WATRWAY		COMMENTS:				
RATING : 05/18/2001						
[ITEM 113] SCOUR: N-NOT APPLIC NOT WATERW		COMMENTS:				
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: NOT APPLICABLE		COMMENTS:				
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD		COMMENTS:				
RATING : 05/18/2001						
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS						
[ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:		
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		
REINFORCED CONCRETE		SAFETY BARRIER CURB		BOTH		
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		
LEACHING		THROUGHOUT		MINOR		
VERTICAL CRACKS		THROUGHOUT		FEW		
[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:		
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		
GALVANIZED STEEL		THRIE BEAM TO W-BEAM		ALL		
[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:		
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		
GALVANIZED STEEL		W-BEAM		ALL		
Design_No = a0801						
Page 2						
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.						

		Missouri Department of Transportation				December 16, 2022	
		State Bridge Inspection Report				6:09:29AM	
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 576	
				BRIDGE: A0801			
[ITEM 36D] RAIL END TREATMENT RATING: DOESNT MEET CURRNT STND-0							
RATING : 10/27/2009							
COMMENTS:							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>COMMENTS</u>	
GALVANIZED STEEL		BREKAWAY SYSTEM		ALL			
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT/CONCRETE		BITUMINOUS MAT/SLAB		BOTH		FAIR	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
SPALLS		AT ABUTMENTS				FEW	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
DECK PROTECTIVE COMPONENTS:							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		PLAIN CONCRETE		LATEX MODIFIED	
<u>THICKNESS</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>		<u>OVERALL CONDITION</u>	
						FAIR	
<u>COMMENT:</u>							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
TRANSVERSE CRACKS		DRIVING SURFACE				MANY	
<u>COMMENT:</u>		<u>DECK PROTECTION</u>		<u>LIQUID SEALANT</u>		<u>INTERNALLY SEALED</u>	
						2012	
						STAR MACRO	
<u>COMMENT:</u> (OTTINM, 11/14/2013)--INDECK 2003 & 2007 & 2012							
<u>COMMENT:</u>		<u>MEMBRANE</u>		<u>LIQUID SEALANT</u>		<u>BUILT-UP</u>	
<u>COMMENT:</u>							
DRAINAGE COMPONENTS:							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
DRAINAGE		OTHER		OTHER			
EXPANSION DEVICE COMPONENTS:							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
						<u>CONSTRUCTION</u>	
<u>GAP</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>		<u>OVERALL CONDITION</u>	
<u>COMMENT:</u>							
BANK/SLOPE PROTECTION COMPONENTS:							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
						<u>COMMENTS</u>	
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>COMMENTS</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
		OVERHANGS				LIGHT	
		THROUGHOUT				MANY	
		EDGE				FEW	
		THROUGHOUT				FEW	
		OVERHANGS				FEW	
		RANDOM				FEW	
Design_No = a0801							
Page 3							
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Missouri Department of Transportation

State Bridge Inspection Report

December 16, 2022
6:09:29AM

COUNTY: PULASKI

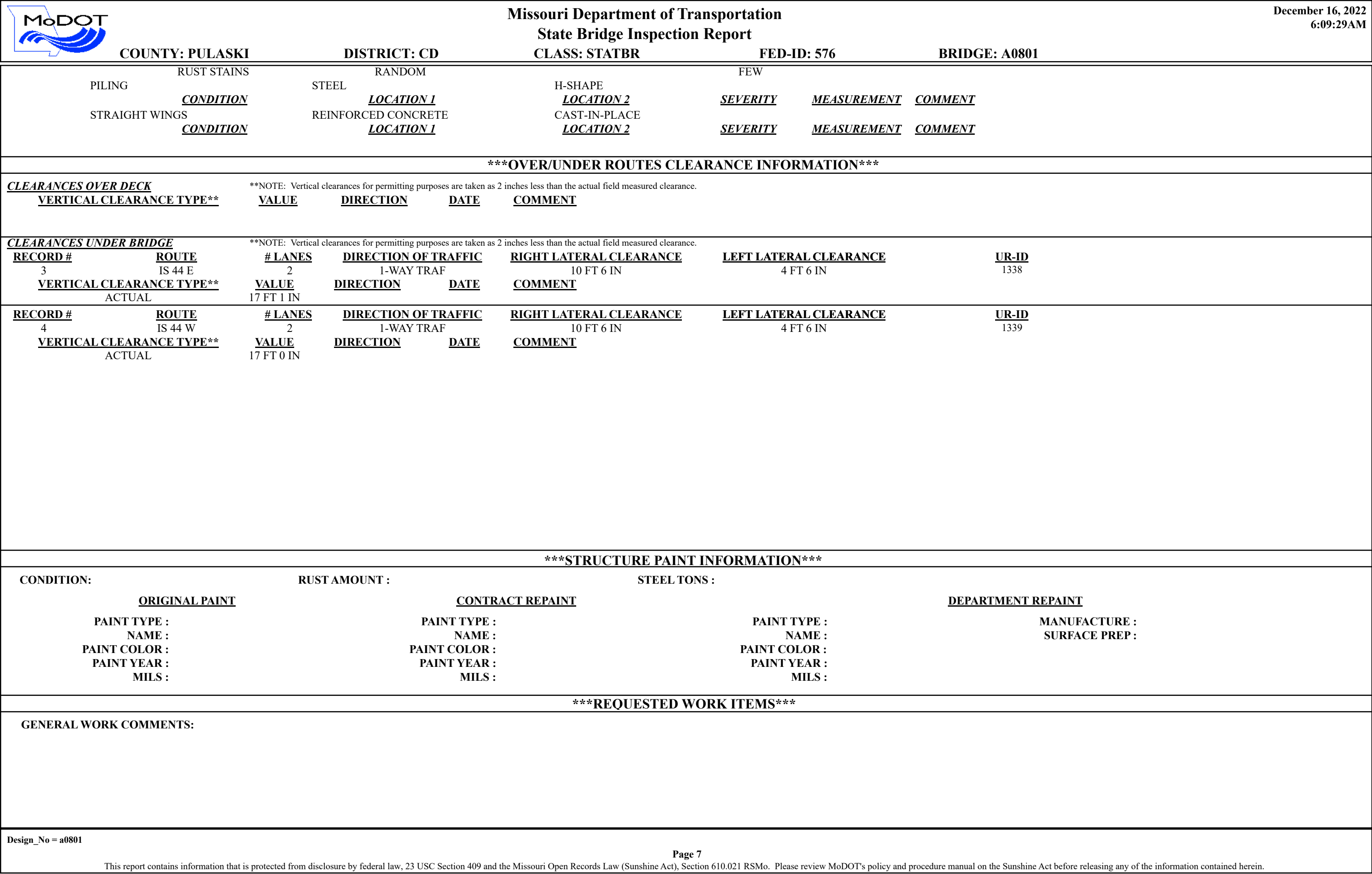
DISTRICT: CD

CLASS: STATBR

FED-ID: 576

BRIDGE: A0801

COLUMN	<u>CONDITION</u>	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	HIGH STEEL SPALLS	<u>LOCATION 1</u>	<u>LOCATION 2</u>	FEW		
	MAP CRACKS	RANDOM		FEW		
FOOTING	<u>CONDITION</u>	REINFORCED CONCRETE	H-PILE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
BENT-3	<u>CONDITION</u>	REINFORCED CONCRETE	SINGLE COLUMN	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>			
		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN	<u>CONDITION</u>	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
FOOTING	<u>CONDITION</u>	REINFORCED CONCRETE	H-PILE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
BENT-4	<u>CONDITION</u>	REINFORCED CONCRETE	SINGLE COLUMN	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>			
		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN	<u>CONDITION</u>	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
DELAMINATION		RANDOM		FEW		
	SCALING	RANDOM		MINOR		
	SPALLS	RANDOM		FEW		
FOOTING	<u>CONDITION</u>	REINFORCED CONCRETE	H-PILE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
BENT-5	<u>CONDITION</u>	REINFORCED CONCRETE	SINGLE COLUMN	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>			
		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN	<u>CONDITION</u>	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
FOOTING	<u>CONDITION</u>	REINFORCED CONCRETE	H-PILE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
BENT-6	<u>CONDITION</u>	REINFORCED CONCRETE	MULTIPLE COLUMN	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>			
		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
COLUMN	<u>CONDITION</u>	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
HIGH STEEL SPALLS		RANDOM		FEW		
	MAP CRACKS	RANDOM		FEW		
FOOTING	<u>CONDITION</u>	REINFORCED CONCRETE	H-PILE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
ABUTMENT-7	<u>CONDITION</u>	33 FT 3 IN REINFORCED CONCRETE	INTEGRAL	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u>ASSOCIATED COMPONENT</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>			
		<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	<u>CONDITION</u>	REINFORCED CONCRETE	CAST-IN-PLACE	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
		<u>LOCATION 1</u>	<u>LOCATION 2</u>			
	DETERIORATION	RANDOM		MINOR		
	PATCHES	ENDS		MODERATE		





		Missouri Department of Transportation State Bridge Inspection Report			December 16, 2022 6:09:29AM				
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 576		BRIDGE: A0801	

		Missouri Department of Transportation State Bridge Inspection Report			December 16, 2022 6:09:29AM				
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 576		BRIDGE: A0801	

		Missouri Department of Transportation State Bridge Inspection Report			December 16, 2022 6:09:29AM				
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 576		BRIDGE: A0801	

		Missouri Department of Transportation State Bridge Inspection Report			December 16, 2022 6:09:29AM				
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 576		BRIDGE: A0801	

		Missouri Department of Transportation State Bridge Inspection Report			December 16, 2022 6:09:29AM				
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 576		BRIDGE: A0801	

		Missouri Department of Transportation State Bridge Inspection Report			December 16, 2022 6:09:29AM				
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 576		BRIDGE: A0801	

RESPONSIBILITY	LOCATION	ITEM	CATEGORY	PRIORITY	DATE	WORK ITEM COMMENT
DISTRICT SPECIAL	ROADWAY SURFACE	SEAL DECK WITH IN DECK	DECK	2	07/17/2015	
DISTRICT SPECIAL		SEAL JTS - RODS/HOT POUR	DECK	3	10/21/2021	

*****UTILITY ATTACHMENTS*****

UTILITY	OWNER	METHOD	MEASUREMENT TYPE	VALUE	NUMBER	UTILITY ATTACHMENT COMMENT
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*****PROGRAM NOTES INFORMATION*****

<u>YEAR</u>	<u>PROJECT #</u>	<u>MONTH LET</u>	<u>YEAR LET</u>	<u>ITEMS</u>	<u>COMMENT</u>
-------------	------------------	------------------	-----------------	--------------	----------------

*****COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS*****

ADVANCED SIGN INFORMATION

NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.

NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.		
<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>
[Item 67] Structure Evaluation Rating:	6-EQ TO PRESENT MIN CRITR	3/18/2002
[Item 68] Deck Geometry Rating:	3-BASICALLY INTOL CORRECT	3/18/2002
[Item 69] Underclearance:	4-MEETS MINIMUM TOLERABLE	1/26/2022
Sufficiency Rating:	75.5%	1/26/2022
Deficiency:	FUNCTIONAL	3/18/2002
Funding Eligibility:		----
Estimated New Structure Length:		----
Estimated Structure Cost:		----
Estimated Total Project Cost:		----
Year of Cost Estimate:		----

SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
1			

OUTFALL INSPECTION INFORMATION

# OUTFALLS:	INSPECTOR:
STATUS:	DATE:
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.

Design_No = a0801

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.

Design_No = a0801

Page 8

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Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	1 RTE THAT GOES 'UNDER' S Code : A
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	576	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	LP 44 W
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	LEFT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	ST. ROBERT CITY	29	AADT	18745
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	160.80 miles	109	AADT Truck Percent	30%
16	Latitude	37 D 49 M 29 S	114	Future AADT	
17	Longitude	92 D 10 M 2 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 12 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	30 Ft. 2 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance		49	Structure Length	429 Ft. 2 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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

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 BOX BEAM OR GIRDERS- SING
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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	2ND RTE THAT GOES 'UNDR'S Code : B
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	576	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	LP 44 W
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	LEFT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	ST. ROBERT CITY	29	AADT	21306
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	134.17 miles	109	AADT Truck Percent	30%
16	Latitude	37 D 49 M 29 S	114	Future AADT	
17	Longitude	92 D 10 M 2 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 10 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	30 Ft. 2 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance		49	Structure Length	429 Ft. 2 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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

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 BOX BEAM OR GIRDERS- SING
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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	CD	5B	Route Signing Prefix	MO
3	County	PULASKI	5C	Designated Level of Service	BUSINESS
8	Federal ID No.	576	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1992	7	Facility Carried	LP 44 W
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	16-URBAN MINOR ARTERIAL
101	Parallel Struc Desg	LEFT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE 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		
4	Place	ST. ROBERT CITY	29	AADT	6002
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	1.56 miles	109	AADT Truck Percent	5%
16	Latitude	37 D 49 M 29 S	114	Future AADT	9603
17	Longitude	92 D 10 M 2 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	0.62 miles
28B	Lanes Under Structure	04	32	Approach Roadway Width	40 Ft. 0 In.
54A	Vert. Clearance Ref.	HIGHWAY	34	Skew	0.00 Degrees
54B	Vert. Clearance	16 Ft. 10 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	HIGHWAY	47	Total Horiz. Clear	30 Ft. 2 In.
55B	Rt. Lat Clearance	10 Ft. 6 In.	48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance	4 Ft. 7 In.	49	Structure Length	429 Ft. 2 In.
38	Navigation Control	N/A	50A	Left Curb/Sidewalk Width	0 Ft. 8 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 8 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	28 Ft. 10 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	31 Ft. 10 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 20	43A	Main Struc. Mat type	CONCRETE CONTINUOUS
41	Structure Status	A - OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	BOX BEAM OR GIRDERS- SING
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	6
64	Operating Rating	63 Tons.	44A	Appr Struc. Mat type	
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	
66	Inventory Rating	31 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	3 LATEX CONCRETE
	Sufficiency Rating	75.5 Percent	108B	Membrane Mat/Constr.	1 BUILT UP
	Deficiency Rating	FUNCTIONAL	108C	Deck Protect Mat/Constr.	7 INTERNALLY SEALED
	Funding Eligibility	PARTIAL	CONDITION RATING INFORMATION		
75A	Proposed Work	REHAB-GENERAL DETERIORAT	58	Deck Cond. Rating	6
75B	Work Done By	Contract	59	Superstructure Cond. Rating	6
76	New Struc Length	4 Ft. 7 In.	60	Substructure Cond. Rating	6
94	Struc Improve Cost	\$ 1,079,000	61	Channel /Channel Protection Cond. Rating	N
95	Roadway Improve Cost	\$ 108,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 1,618,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	10 / 21
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	6	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	3	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			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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	1 RTE THAT GOES 'UNDER' S Code : A
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	576	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	LP 44 W
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	LEFT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	ST. ROBERT CITY	29	AADT	18745
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	159.51 miles	109	AADT Truck Percent	30%
16	Latitude	37 D 49 M 29 S	114	Future AADT	
17	Longitude	92 D 10 M 2 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 12 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	30 Ft. 2 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance		49	Structure Length	429 Ft. 2 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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

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 BOX BEAM OR GIRDERS- SING
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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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 = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	CD	5B	Route Signing Prefix	MO
3	County	PULASKI	5C	Designated Level of Service	BUSINESS
8	Federal ID No.	576	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1992	7	Facility Carried	LP 44 W
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	16-URBAN MINOR ARTERIAL
101	Parallel Struc Desg	LEFT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE 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		
4	Place	ST. ROBERT CITY	29	AADT	6002
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	1.57 miles	109	AADT Truck Percent	5%
16	Latitude	37 D 49 M 29 S	114	Future AADT	9603
17	Longitude	92 D 10 M 2 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	0.63 miles
28B	Lanes Under Structure	04	32	Approach Roadway Width	40 Ft. 0 In.
54A	Vert. Clearance Ref.	HIGHWAY	34	Skew	0.00 Degrees
54B	Vert. Clearance	16 Ft. 10 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	HIGHWAY	47	Total Horiz. Clear	30 Ft. 2 In.
55B	Rt. Lat Clearance	10 Ft. 6 In.	48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance	4 Ft. 7 In.	49	Structure Length	429 Ft. 2 In.
38	Navigation Control	N/A	50A	Left Curb/Sidewalk Width	0 Ft. 8 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 8 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	28 Ft. 10 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	31 Ft. 10 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = a0801



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 20	43A	Main Struc. Mat type	CONCRETE CONTINUOUS
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	BOX BEAM OR GIRDERS- SING
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	6
64	Operating Rating	63 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	31 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	3 LATEX CONCRETE
Sufficiency Rating 75.5 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating FUNCTIONAL			108C	Deck Protect Mat/Constr.	7 INTERNALLY SEALED
Funding Eligibility PARTIAL			CONDITION RATING INFORMATION		
75A	Proposed Work	REHAB-GENERAL DETERIORAT	58	Deck Cond. Rating	6
75B	Work Done By	Contract	59	Superstructure Cond. Rating	6
76	New Struc Length	456 Ft. 0 In.	60	Substructure Cond. Rating	6
94	Struc Improve Cost	\$ 1,798,000	61	Channel /Channel Protection Cond. Rating	N
95	Roadway Improve Cost	\$ 180,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 2,697,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	10 / 21
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	6	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	3	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			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 = a0801



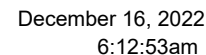
Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 16, 2022
6:12:53am

COUNTY : PULASKI BRIDGE : A0801 R REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	2ND RTE THAT GOES 'UNDR'S Code : B
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	576	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	LP 44 W
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	LEFT	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	ST. ROBERT CITY	29	AADT	21306
	Code	65144	30	AADT Year	2021
9	Location	S 29 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	133.09 miles	109	AADT Truck Percent	30%
16	Latitude	37 D 49 M 29 S	114	Future AADT	
17	Longitude	92 D 10 M 2 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 10 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	30 Ft. 2 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	86 Ft. 11 In.
56	Left Lat Clearance		49	Structure Length	429 Ft. 2 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 = a0801



Bridge Number:

A0801RWB

Route/County:

LP44/Pulaski

Asbestos-Containing Material Present?

Yes: ☐

No: ☒

If yes, see report for location(s).

Structural Steel Present?

Yes: ☐

No: ☒

If No, then skip the following.

Lead-Based Paint (LBP) Present?

Yes: ☐

No: ☐

Trusses LBP?

Yes: ☐ No: ☐

Girder LBP?

Yes: ☐ No: ☐

Railing LBP?

Yes: ☐ No: ☐

Pile LBP?

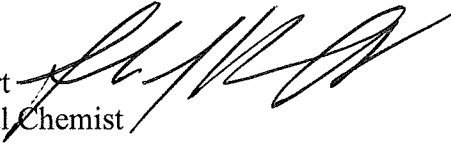
Yes: ☐ No: ☐



MEMORANDUM

Missouri Department of Transportation Construction and Materials Central Laboratory

TO: TMS

FROM: Frank Reichart 
Environmental Chemist

DATE: October 22, 2019

SUBJECT: Materials
Asbestos Inspection & Heavy Metal Paint Survey
Route LP 44
Bridge A-0801R WB
Pulaski County

We are providing you with the results of the inspection on the above referenced bridge. The inspection report contains an asbestos and a heavy metals survey. The asbestos inspection included identifying suspect asbestos-containing material and NVLAP accredited testing to confirm the presence of asbestos.

Form T746 – This will show if samples were taken, where from, and, if the sample was found to contain asbestos, our estimated quantity of material present. Under the column “Friability Category”, this is the meaning for the following:

N-ACM – No asbestos detected.

I NF – Asbestos is present. Material shall be handled carefully by a licensed abatement worker and kept wet if removing as part of a maintenance activity.

II NF – Asbestos is present. If removal is required for the maintenance activity, use an abatement contractor.

In accordance with Missouri Department of Natural Resources’ Technical Bulletin “Managing Construction and Demolition Waste” dated January 31, 2003, a heavy metal paint survey has been performed on the above referenced bridge. This survey includes locating concrete which has been painted with something other than traffic paint or graffiti, and testing the painted surface(s) to determine if hazardous heavy metals are present. If the bridge is being removed completely, or the maintenance repairs include removing the painted concrete, then, non-hazardous painted concrete may be used as clean fill materials, if properly handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling all accessible areas, it is possible that potentially hidden asbestos-containing materials may exist within the structure. Should you have any questions regarding these reports, please contact me at (573) 526-4359.

db/fr/dr

[http://sp/sites/cm/chemicallab/environmental/shared documents/asbestos/districts/central \(cd\)/mt/a0801r wb/fr19192207.docx](http://sp/sites/cm/chemicallab/environmental/shared%20documents/asbestos/districts/central%20(cd)/mt/a0801r%20wb/fr19192207.docx)

Attachments

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS

Asbestos Survey Report

Nonfriable Asbestos-Containing Materials

(Abatement not required if not made friable during demolition.)

ROUTE: LP 44

Frank Reichart and Diane Roegge

MODOT JOB NO.:

7020101719MOIR1239, F.R.	7020101719MOIR7165, D.R.
--------------------------	--------------------------

DISTRICT:

Westbound, Over I-44, Exit #159

COUNTY:

TYPE(S) OF STRUCTURE(S):

DATE OF TESTS:

100

PARCEL NO.: Bridge A-0801R WB

[illegible]

All necessary work to handle this material is the contractor's responsibility.

INF = Category I Nonfriable

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS

Metals Survey Report of Painted Concrete, Block, Brick Surfaces for Clean Fill Purposes

ROUTE:	LP 44
MODOT JOB NO.:	N/A
DISTRICT:	CD
COUNTY:	Pulaski
SURVEYED BY:	Frank Reichart
DATE OF SURVEY:	October 22, 2019

TESTED BY:	N/A
DATE OF TESTS:	N/A
PARCEL NO.:	Bridge A-0801R WB
SITE ADDRESS:	Westbound, Over I-44, Exit #159
TYPE(S) OF STRUCTURE(S):	Bridge

[illegible]

All results are by XRF unless otherwise indicated: a = USEPA SW-846 Method 3050 b = USEPA SW-846 Method 7471

CERTIFICATION NUMBER:
7020101719MOIR11239

THIS CERTIFIES
Francis J Reichart
HAS COMPLETED THE CERTIFICATION
REQUIREMENTS FOR
Inspector

APPROVED: **10/18/2019** TRAINING DATE: **10/17/2019**
EXPIRES: **10/18/2020**


Director of Air Pollution Control Program




CERTIFICATION NUMBER:
7020101719MOIR7165


THIS CERTIFIES
Diane R Roegge
HAS COMPLETED THE CERTIFICATION
REQUIREMENTS FOR
Inspector


APPROVED: **10/18/2019** TRAINING DATE: **10/17/2019**
EXPIRES: **10/18/2020**

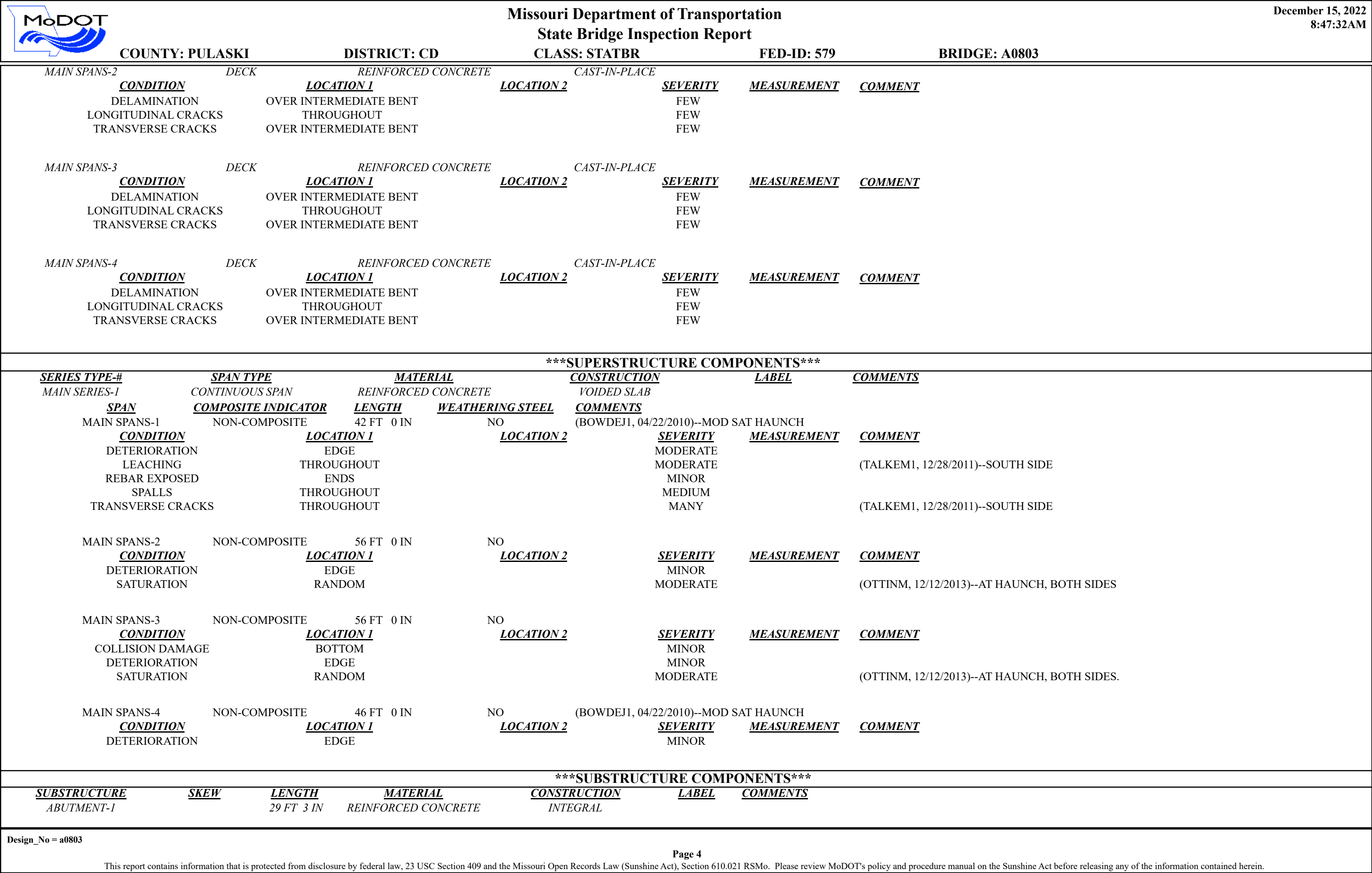

Director of Air Pollution Control Program




		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 15, 2022</div> <div>8:47:32AM</div>			
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 579		BRIDGE: A0803	
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: MO28E</div> <div>FEATURE: IS 44</div> <div>STATUS: A-OPEN</div> <div>LOG MILE: 0.057</div> <div>DETOUR: 1.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1961</div> <div>REHAB: 1987</div> <div>LOCATION: S 23 T 36 R 11 W</div> <div>LATITUDE: 37 50 4.49 (DMS)</div> <div>LONGITUDE: 92 5 56.63 (DMS)</div>		<div># SPANS: 4</div> <div>LANES ON: 2</div> <div>LANES UNDER: 4</div> <div>COMPASS DIRECTION: WEST to EAST</div> <div>DIRECTION OF TRAFFIC: 2-WAY TRAF</div> <div>FUNCTIONAL CLASS: UR-MINOR ARTERIAL</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: CD</div> <div>MAINTENANCE COUNTY: PULASKI</div> <div>SUB AREA: 7D50</div>		<div>PLACE CODE: 17740 CULLEN</div> <div>LENGTH: 203 FT 0 IN</div> <div>MAXIMUM SPAN: 56 FT 0 IN</div> <div>APPROACH ROADWAY: 24 FT 0 IN</div> <div>CURB TO CURB: 24 FT 11 IN</div> <div>OUT TO OUT: 27 FT 7 IN</div> <div>AADT: 5321</div> <div>AADT YEAR: 2021</div> <div>AADT TRUCK: 4.2%</div> <div>FUTURE AADT: 8514</div> <div>FUTURE AADT YEAR: 2041</div>		<div>DATE: 10/07/2021</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 24</div> <div>TEAM LEADER: JOE GREEN</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2:</div> <div>INSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>			
						GENERAL INSPECTION COMMENTS			
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
FRACTURE CRITICAL INSPECTION COMMENTS					INDEPTH INSPECTION COMMENTS				
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***				
<div>DATE: 06/28/2012</div> <div>FREQUENCY: 999</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2: ALAN TRAMPE</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: DAMAGE POST INCIDE</div> <div>NBI: NO</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
SPECIAL INSPECTION COMMENTS					UNDERWATER INSPECTION COMMENTS				
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS				
<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div> <div>04/13/2010</div> <div>999</div> <div>QUALITY ASSURANCE</div> <div>NO</div> <div>BRIDGEDIV</div>					<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>				
Design_No = a0803									
<div>Page 1</div> <div>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.</div>									

		Missouri Department of Transportation		December 15, 2022	
		State Bridge Inspection Report		8:47:32AM	
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR	
		FED-ID: 579		BRIDGE: A0803	
STRUCTURE POSTING					
APPROVED CATEGORY: S-1		NO POSTING REQUIRED			
Ton 1:		Ton 2:		Ton 3:	
COMMENTS:					
FIELD CATEGORY: S-1		NO POSTING REQUIRED			
Ton 1:		Ton 2:		Ton 3:	
COMMENTS:		PROBLEM:		PROBLEM DIRECTION:	
GENERAL COMMENTS/MAJOR RATED ITEMS					
GENERAL COMMENTS: (BOWDEJ1, 08/21/2008)--(42'-56'-56'-46') CONT VOIDED CONC SLAB SPANS					
[ITEM 58] DECK: 6-SATISFACTORY CONDITION		COMMENTS: (STEGEC, 12/21/2017)--CRACK LEACH, MINOR DETER; MINOR SPALLS			
RATING : 12/21/2017					
[ITEM 59] SUPER: 6-SATISFACTORY CONDITION		COMMENTS: (STEGEC, 12/21/2017)--CRACK LEACH, MINOR DETER; MINOR EDGE SPALLING			
RATING : 12/21/2017					
[ITEM 60] SUB: 7-GOOD CONDITION		COMMENTS: (STEGEC, 12/21/2017)--CRACKING WITH MINOR LEACHING			
RATING : 05/18/2001					
[ITEM 61] BANK/CHANNEL: N-NOT APPLIC NO WATRWAY		COMMENTS:			
RATING : 05/18/2001					
[ITEM 113] SCOUR: N-NOT APPLIC NOT WATERW		COMMENTS:			
RATING : 05/18/2001					
EVALUATION TYPE :					
[ITEM 71] WATERWAY ADEQUACY: NOT APPLICABLE		COMMENTS:			
RATING : 05/18/2001					
[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY		COMMENTS:			
RATING : 05/18/2001					
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS					
[ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:	
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
REINFORCED CONCRETE		SAFETY BARRIER CURB		BOTH	
[ITEM 36B] TRANSITION RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 11/14/2013		COMMENTS:	
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
GALVANIZED STEEL		W-BEAM		ALL	
[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:	
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
GALVANIZED STEEL		W-BEAM		ALL	
[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1		RATING : 12/12/2003		COMMENTS:	
Design_No = a0803					
Page 2					
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.					

		Missouri Department of Transportation				December 15, 2022	
		State Bridge Inspection Report				8:47:32AM	
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 579	
				BRIDGE: A0803			
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>COMMENTS</u>	
GALVANIZED STEEL		BREKAWAY SYSTEM		NORTHEAST		(BOWDEJ1, 01/07/2008)--SOUTHEAST	
GALVANIZED STEEL		BREKAWAY SYSTEM		SOUTHWEST			
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
REINFORCED CONCRETE		SLAB		BOTH		GOOD	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
DECK PROTECTIVE COMPONENTS:							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		PLAIN CONCRETE		LOW SLUMP	
<u>COMMENT:</u>							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
TRANSVERSE CRACKS		RANDOM				FEW	
						(BOWDEJ1, 04/13/2010)--OVER INT BTS	
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		LIQUID SEALANT		BUILT-UP	
<u>COMMENT:</u>							
		SECONDARY DECK PROTECTION		LIQUID SEALANT		INTERNALLY SEALED	
<u>COMMENT:</u>						2020	
						PAVON INDECK	
DRAINAGE COMPONENTS:							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
						<u>COMMENTS</u>	
EXPANSION DEVICE COMPONENTS:							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
						<u>CONSTRUCTION</u>	
<u>COMMENT:</u>						<u>GAP</u>	
						<u>YEAR APPLIED</u>	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
BANK/SLOPE PROTECTION COMPONENTS:							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
						<u>COMMENTS</u>	
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DELAMINATION		AT JOINTS				LARGE	
LONGITUDINAL CRACKS		THROUGHOUT				FEW	
TRANSVERSE CRACKS		OVER INTERMEDIATE BENT				FEW	
Design_No = a0803							
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.							





		Missouri Department of Transportation				December 15, 2022		
		State Bridge Inspection Report				8:47:32AM		
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 579		
						BRIDGE: A0803		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>					
	BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE					
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	VERTICAL CRACKS	RANDOM		FEW				
PILING	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE					
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	DETERIORATION	THROUGHOUT		MINOR				
BENT-2		REINFORCED CONCRETE		MULTIPLE COLUMN				
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>					
	COLUMN	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE					
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	HORIZONTAL CRACKS	RANDOM		FEW				
FOOTING	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
		REINFORCED CONCRETE	H-PILE					
BENT-3		REINFORCED CONCRETE		MULTIPLE COLUMN		(LAUGHJ, 08/30/2012)--COLLISION DAMAGE TO BENT 3 NORTH COLUMN, REPLACED IN JULY 2012 LETTING.		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>					
	COLUMN	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE					
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	HORIZONTAL CRACKS	RANDOM		FEW				
FOOTING	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
		REINFORCED CONCRETE	H-PILE					
BENT-4		REINFORCED CONCRETE		MULTIPLE COLUMN				
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>					
	COLUMN	REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE					
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	HORIZONTAL CRACKS	RANDOM		FEW				
FOOTING	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
		REINFORCED CONCRETE	H-PILE					
ABUTMENT-5		29 FT 3 IN	REINFORCED CONCRETE		INTEGRAL			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>					
	BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE					
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	VERTICAL CRACKS	ENDS		FEW				
PILING	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE					
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	DETERIORATION	THROUGHOUT		MINOR				

Design_No = a0803

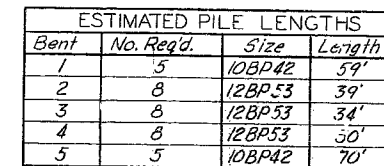
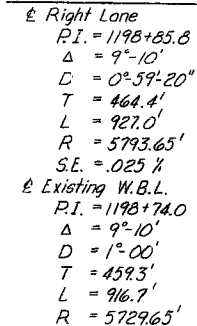
Page 5

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		Missouri Department of Transportation				December 15, 2022	
		State Bridge Inspection Report				8:47:32AM	
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 579	
						BRIDGE: A0803	
OVER/UNDER ROUTES CLEARANCE INFORMATION							
<u>CLEARANCES OVER DECK</u>		**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.					
<u>VERTICAL CLEARANCE TYPE**</u>		<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>		
<u>CLEARANCES UNDER BRIDGE</u>		**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.					
<u>RECORD #</u>	<u>ROUTE</u>	<u># LANES</u>	<u>DIRECTION OF TRAFFIC</u>	<u>RIGHT LATERAL CLEARANCE</u>	<u>LEFT LATERAL CLEARANCE</u>	<u>UR-ID</u>	
1	IS 44 E	2	1-WAY TRAF	10 FT 7 IN	10 FT 7 IN	1347	
<u>VERTICAL CLEARANCE TYPE**</u>		<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>		
ACTUAL		17 FT 0 IN					
<u>RECORD #</u>	<u>ROUTE</u>	<u># LANES</u>	<u>DIRECTION OF TRAFFIC</u>	<u>RIGHT LATERAL CLEARANCE</u>	<u>LEFT LATERAL CLEARANCE</u>	<u>UR-ID</u>	
2	IS 44 W	2	1-WAY TRAF	10 FT 7 IN	10 FT 7 IN	1348	
<u>VERTICAL CLEARANCE TYPE**</u>		<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>		
ACTUAL		15 FT 4 IN					
STRUCTURE PAINT INFORMATION							
CONDITION:		RUST AMOUNT :		STEEL TONS : 0			
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>		<u>DEPARTMENT REPAINT</u>			
PAINT TYPE :		PAINT TYPE :		PAINT TYPE :		MANUFACTURE :	
NAME :		NAME :		NAME :		SURFACE PREP :	
PAINT COLOR :		PAINT COLOR :		PAINT COLOR :			
PAINT YEAR :		PAINT YEAR :		PAINT YEAR :			
MILS :		MILS :		MILS :			
REQUESTED WORK ITEMS							
GENERAL WORK COMMENTS:							
<u>RESPONSIBILITY</u>	<u>LOCATION</u>	<u>ITEM</u>	<u>CATEGORY</u>	<u>PRIORITY</u>	<u>DATE</u>	<u>WORK ITEM COMMENT</u>	
DISTRICT ROUTINE	SEE COMMENT	MISCELLANEOUS	APPROACH	2	10/17/2011	(TALKEM1, 12/28/2011)--REPAIR BOTH APPROACH JOINT	
DISTRICT SPECIAL	ROADWAY SURFACE	SEAL DECK WITH IN DECK	DECK	2	06/23/2023		
UTILITY ATTACHMENTS							
<u>UTILITY</u>	<u>OWNER</u>	<u>METHOD</u>	<u>MEASUREMENT TYPE</u>	<u>VALUE</u>	<u>NUMBER</u>	<u>UTILITY ATTACHMENT COMMENT</u>	
ELECTRIC		CONDUIT	DIAMETER	3 IN	1	(BOWDEJ1, 04/13/2010)--E. SIDE ON BARRIER	
Design_No = a0803							
Page 6							
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		Missouri Department of Transportation			December 15, 2022																																													
		State Bridge Inspection Report			8:47:32AM																																													
COUNTY: PULASKI		DISTRICT: CD		CLASS: STATBR		FED-ID: 579		BRIDGE: A0803																																										
PROGRAM NOTES INFORMATION																																																		
<table><tr><td><u>YEAR</u></td><td><u>PROJECT #</u></td><td><u>MONTH LET</u></td><td><u>YEAR LET</u></td><td><u>ITEMS</u></td><td><u>COMMENT</u></td></tr></table>										<u>YEAR</u>	<u>PROJECT #</u>	<u>MONTH LET</u>	<u>YEAR LET</u>	<u>ITEMS</u>	<u>COMMENT</u>																																			
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COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS					***ADVANCED SIGN INFORMATION***																																													
<p>NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.</p> <table><tr><td><u>Rated Item</u></td><td><u>Rating</u></td><td><u>Rating Date</u></td></tr><tr><td>[Item 67] Structure Evaluation Rating:</td><td>6-EQ TO PRESENT MIN CRITR</td><td>1/11/2018</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>2-BASICALLY INTOLRBLE REQ</td><td>3/25/2002</td></tr><tr><td>[Item 69] Underclearance:</td><td>4-MEETS MINIMUM TOLERABLE</td><td>1/26/2022</td></tr><tr><td>Sufficiency Rating:</td><td>78.3%</td><td>2/22/2022</td></tr><tr><td>Deficiency:</td><td>FUNCTIONAL</td><td>3/25/2002</td></tr><tr><td>Funding Eligibility:</td><td></td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td></td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td></td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td></td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td></td><td>----</td></tr></table> <p>NOTE: The above structure length and cost estimates are computer generated using algorithmis in the TMS system. These algorithmis 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.</p>					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	6-EQ TO PRESENT MIN CRITR	1/11/2018	[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	3/25/2002	[Item 69] Underclearance:	4-MEETS MINIMUM TOLERABLE	1/26/2022	Sufficiency Rating:	78.3%	2/22/2022	Deficiency:	FUNCTIONAL	3/25/2002	Funding Eligibility:		----	Estimated New Structure Length:		----	Estimated Structure Cost:		----	Estimated Total Project Cost:		----	Year of Cost Estimate:		----	<table><tr><td>SIGN #</td><td>SIGN TYPE</td><td>PROBLEM</td><td>PROBLEM DIRECTION</td></tr><tr><td>1</td><td></td><td></td><td></td></tr></table>					SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION	1			
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	130	



Pile lengths indicated include an estimated 3' cut-off per pile. These indicated lengths are approximate only. Proper lengths to give required bearing and/or penetration will be authorized by the Engineer.

All piles shall be driven with a power hammer.

Steel pile authorized in lengths greater than 65' may each be furnished in two pieces for field splicing and these splices if made will be paid for in accordance with specifications.

ESTIMATED QUANTITIES				
Item		Substr.	Superstr.	Total
Class I Excavation for Structures	Cu. Yd.	180		180
Class B Concrete	Cu. Yd.	272		272
Class B1 Concrete	Cu. Yd.		425.2	425.2
Reinforcing Steel	Lb.	2,380	98,290	100,670
10BP 42 Steel Piles in Place	Lin. Ft.	655		655
10BP 42 Steel Pile Cutoffs	Lin. Ft.	30		30
12BP 53 Steel Piles in Place	Lin. Ft.	912		912
12BP 53 Steel Pile Cutoffs	Lin. Ft.	72		72
Fabricated Structural Carbon Steel	Lb.		13,460	13,460

Note: The estimated quantity of 10" steel piles in place includes 5 estimated splices at 8' per splice.

REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-2047

GENERAL NOTES

IFICATIONS: Missouri State Highway Commission Standard Specifications (1961 Edition) and Special Provisions.

SIGN LOADING: In accordance with Division I of the A.A.S.H.O. Standard Specifications for Highway Bridges, 1957 Edition.

Live Load: H-15-44

Dead Load: Provision is made for a future wearing surface of 15 pounds per square foot of roadway surface.

SIGN UNIT STRESSES:

Concrete in flexure: Class B Concrete -- 1200 lbs. per sq. in.
Class B1 Concrete -- 1600 lbs. per sq. in.

Reinforcing Steel: -- -- -- 20,000 lbs. per sq. in.

ROADWAY WEARING SURFACE: The roadway slab as detailed includes a 1" wearing surface poured monolithically with the slab.

INFORCEMENT: All dimensions to reinforcing steel on detail drawings are to 1/2 of bar except where the clear distance is noted from the face of concrete. All reinforcing steel shall be lapped a minimum of 32 diameters unless otherwise shown or noted.

CONCRETE: Concrete for superstructure shall be Class B1 air-entrained. Concrete for footings shall be Class B air-entrained.

LOADING: Qualification of welding operators will be required.

BEVELED EDGES: All exposed edges of concrete shall be beveled 3/4" unless otherwise shown or noted.

LEAD JOINTS: Where filled joints are specified on the plans, the joint filler shall conform to the requirements for "Gray Sponge Rubber Compound Expansion Joints", Section 1572.4 of the Standard Specifications.

WARRANTY SEALING: The top surface of the concrete roadway, the roadway face and top surface of the safety curbs shall be surface sealed. See Special Provisions.

PAINTING: Shop, none; Field, contact surfaces of bolted field connections, steel to steel, one coat of red lead and surfaces inaccessible after erection, three coats of red lead. All other exposed surfaces first coat red lead, second coat brown, third coat aluminum. Payment for cleaning and painting will be included in price bid items painted.

PILE DRIVING: All piling shall conform to the details shown on Sheet No. 3. Piling for Bents No. 2, 3 & 4 shall be 12" BP @ 53* and shall be driven to or into solid rock, boulders, shale or cemented gravel or to at least full length authorized and to sustain a load of at least 47 tons per pile.

PILE DRIVING: Piling for Bents No. 1 & 5 shall be 10" BP @ 42* and shall be driven to not less than a "Plan" Capacity of 37 tons per pile. If pile lengths furnished fail to give "Plan" Capacity not less than a computed Capacity of 27 tons per pile shall be obtained.

PAINTING: Piles for end bents shall be painted in accordance with Section 542.4.7 of the Standard Specification.

ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

A-803

SEE FINAL PLANS BROWN-LINES

SHEET 1 OF 7

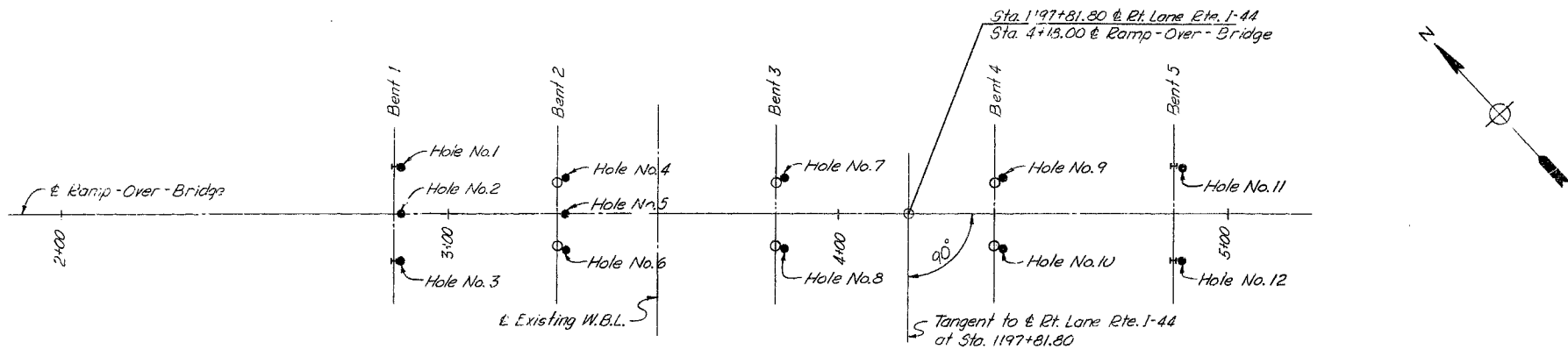
DRAWN BY: *G. J. Dee, Feb. 1961*
TRACED BY:
CHECKED BY: *W. J. Goddis, Mar. 1961*

Reviewed by J.E.S. and W.L.

13

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	13	



LOG OF BORINGS

ELEV.	HOLE NO. 1 Sta. 2+87 (12' Left E.)	HOLE NO. 2 Sta. 2+87 (E.)	HOLE NO. 3 Sta. 2+87 (12' Right E.)	HOLE NO. 4 Sta. 3+30 (9' Left E.)	HOLE NO. 5 Sta. 3+30 (E.)	HOLE NO. 6 Sta. 3+30 (9' Right E.)	HOLE NO. 7 Sta. 3+86 (9' Left E.)	HOLE NO. 8 Sta. 3+86 (9' Right E.)	HOLE NO. 9 Sta. 4+42 (9' Left E.)	HOLE NO. 10 Sta. 4+42 (9' Right E.)	HOLE NO. 11 Sta. 4+88 (12' Left E.)	HOLE NO. 12 Sta. 4+88 (12' Right E.)	HOLE NO. 13	ELEV.	
1030									1031.2	Red Clay & Boulders	1031.2	Chert Boulders	1030.1	1030.4	1030
1020	1019.6	1019.6	1019.6												1020
1010	Chert & Boulders, Red Clay & Sandstone Boulders	Red Clay & Chert Boulders													1010
1000			Chert Boulders, Sandstone Boulders, Loose Sand & Red Clay	1005.3 Sandstone	1005.3	1005.4 Sandstone	1005.0 Sandstone	1005.2 Clay & Chert Boulders							1000
990				Clay & Boulders	Chert Boulders, Sandstone Boulders & Loose Sand	Clay & Boulders									990
980															980
970															970
960	Limestone Layers	Sandstone, Red Clay & Chert Boulders, Dolomite, soft and hard layers	962.6 Limestone with Sandy seams & Chert seams.	965.3 Rock		966.3 Rock									960
950	949.6 Red Clay & Chert	954.6			954.7 Red Clay										950
940															940

BRIDGE ROUTE 28 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

ABOUT 22 MILES S.E. OF CROCKER

PROJECT NO. 1-44-2(37)(RT. 1-44)

STA. 1197+81.8
(E. RT. LANE)

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

LOG OF BORINGS

SHEET 2 OF 7

A-E03

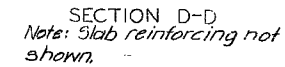
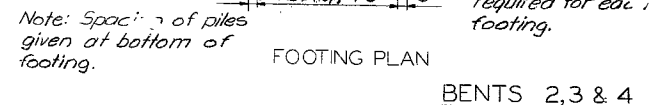
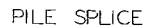
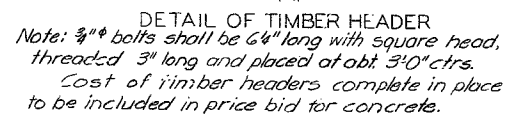
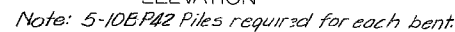
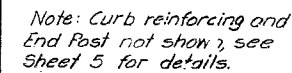
NO CONSTRUCTION CHANGES

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

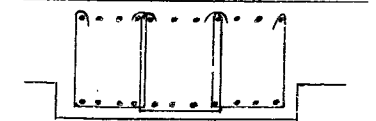
DRAWN BY: G.J. Dee, Jan. 1961
TRACED BY:
CHECKED BY: H.T. Sanders, Jan. 1961

32

6/25/68	DRAWN BY: <i>H.P. Maloney, Feb., 1968</i>
	TRACED BY:
	CHECKED BY: <i>W.J. Gaddis, Mar., 1968</i>



.. Δ Benrs 2 2 3



Δ Lower band of B1 bars was 19 1/2" on plan instead of 39 1/2". These bars used in Bts. 2 & 3 as shown and new bars obtained for Bt. 4

NOTES
All longitudinal and transverse dimensions are horizontal.

SHEET 3 OF 7

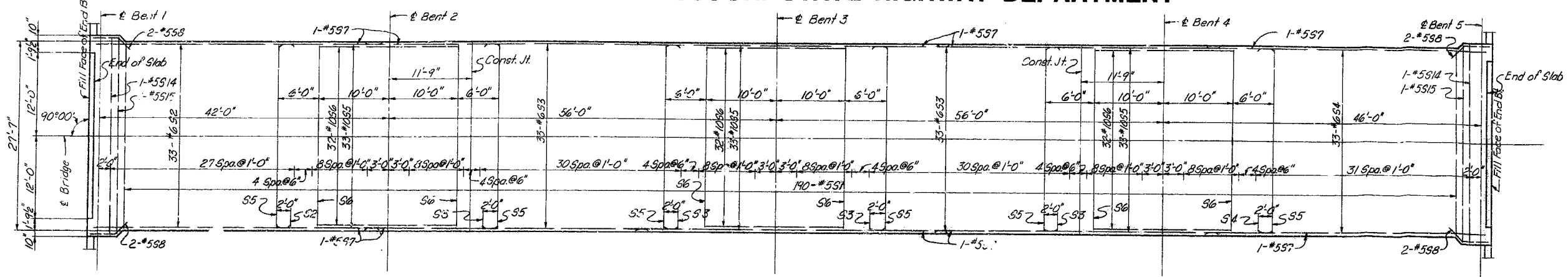
A-803

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

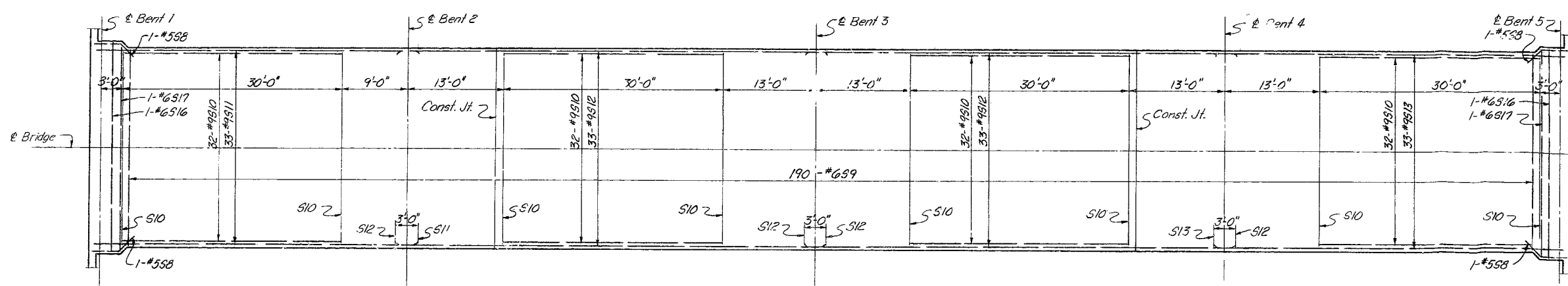
⚠ CONSTRUCTION CHANGES NOTED HEREON - (B/ Bars)

MISSOURI STATE HIGHWAY DEPARTMENT

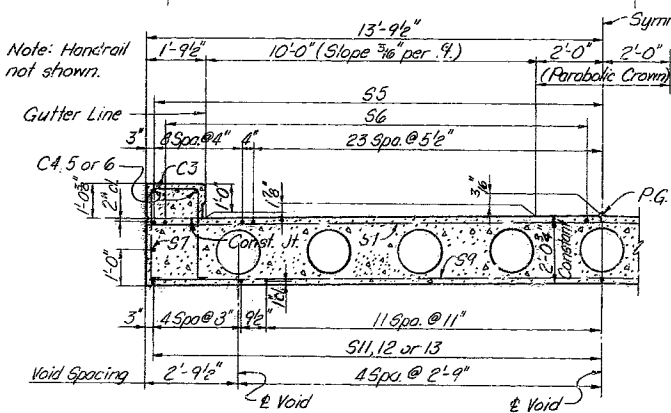
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	133	



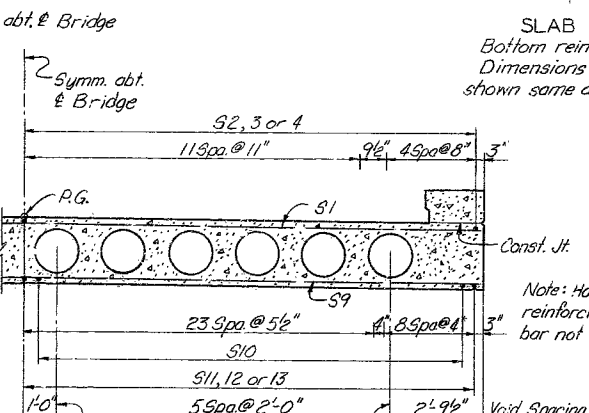
SLAB PLAN
Top reinforcement shown



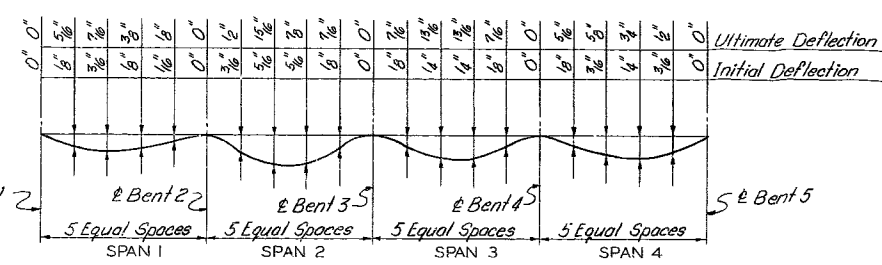
SLAB PLAN
Bottom reinforcement shown.
Dimensions and spacing not shown same as above.



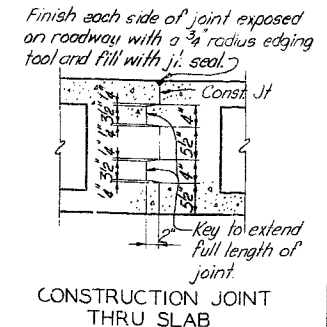
HALF SECTION
NEAR BENTS 2,3 & 4
Note: For Curb reinforcing clearances
See Sheet 5.



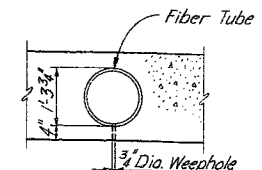
HALF SECTION
NEAR CENTER OF SPANS
Note: Dimensions and spacing not shown,
same as indicated on other section.



DEAD LOAD DEFLECTION ORDINATES
Note: The Contractor shall make allowances in setting forms to compensate for ultimate dead load deflection.
 $E_c = 1,333,333$ p.s.i. used in computing ultimate dead load deflection.
 $E_c = 4,000,000$ p.s.i. used in computing initial dead load deflection.



CONSTRUCTION JOINT
THRU SLAB



SECTION THRU SLAB VOIDS
Note: Fiber tubes for producing voids shall be in accordance with the Standard Specifications and shall have an outside diameter of 15.7" and a wall thickness of .300" and shall be anchored to joists carrying the floor at not more than 3'-0" centers.
One 3/4" weephole shall be provided near each end of each void. Weepholes shall be placed in straight lines parallel to \perp of bents. See Standard Specifications.

NOTES

All longitudinal and transverse dimensions are horizontal.
Work this sheet with Sheet 5.

BRIDGE ROUTE 28 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

ABOUT 22 MILES S.E. OF CROCKER

PROJECT NO. I-44-2(37)(RT.1-44)

STA. 1197+81.8
(\perp RT. LANE)

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

SLAB

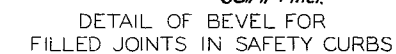
SHEET 4 OF 7

A-803

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

DRAWN BY: G. J. Dee, Feb. 1961
TRACED BY:
CHECKED BY: W. J. Goddis, Mar. 1961

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	134	

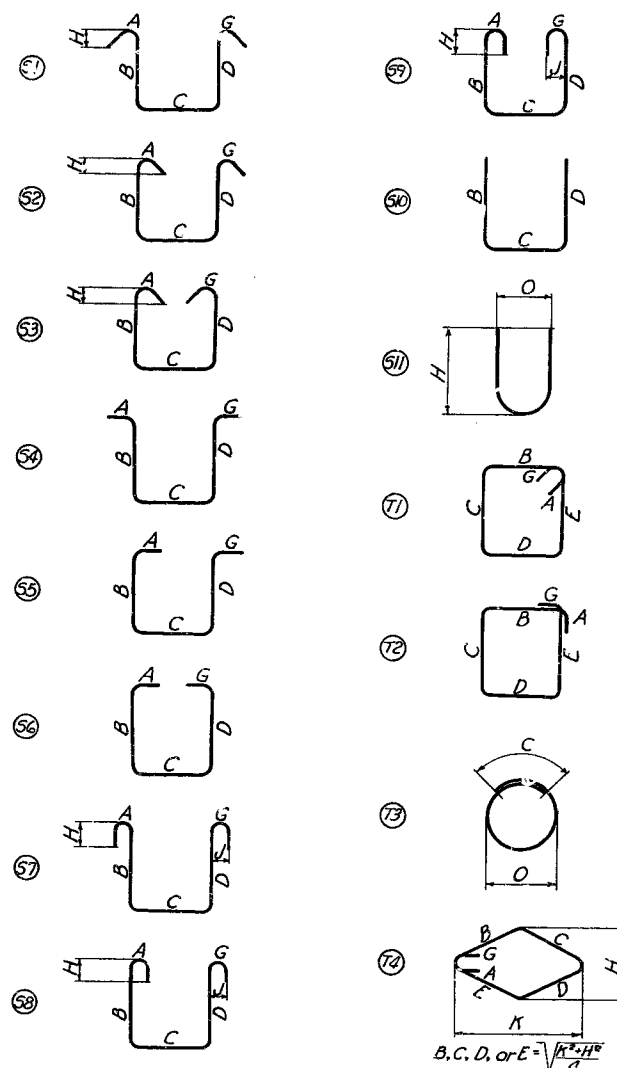
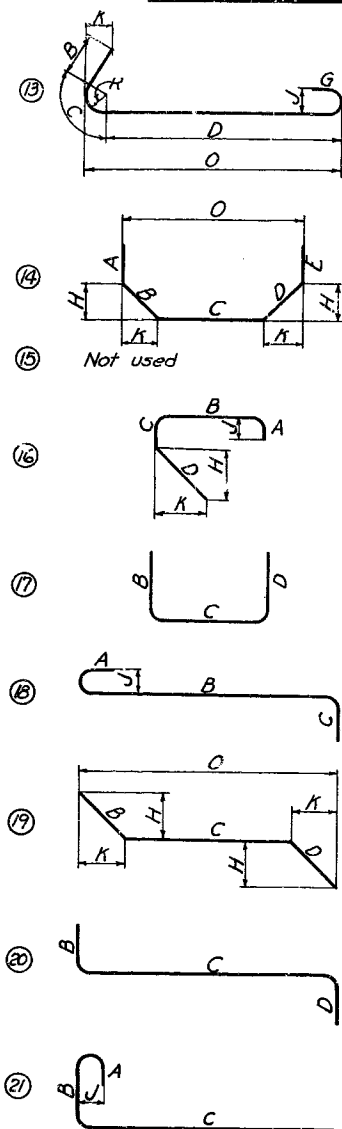
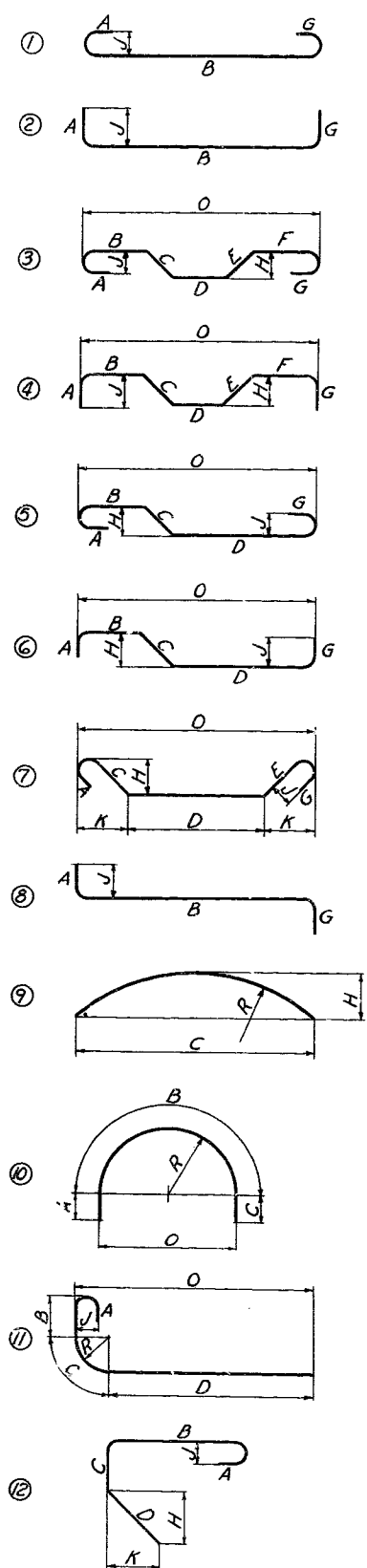


1054-8 61560	DRAWN BY: <i>H.P. Maloney, Feb., 1961</i>
	TRACED BY:
	CHECKED BY: <i>W.J. Goddiss, Mar., 1961</i>

MISSOURI STATE HIGHWAY DEPARTMENT

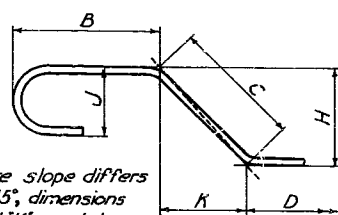
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		10	135	

TYPICAL BAR TYPES



Where slope differs from 45°, dimensions "H" and "K" must be shown.

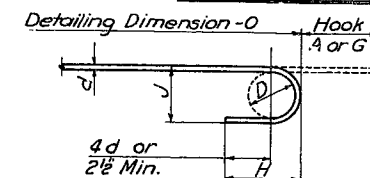
ENLARGED VIEW SHOWING BAR BENDING DETAILS



NOTES

- All dimensions are out to out, except "R" which is to inside of bend.
- "J" Dimension on 180° hooks to be shown in Bar List only where necessary to restrict hook size, otherwise standard hooks are to be used.
- Where "J" is not shown, "J" will be kept equal to or less than "H". Where "J" can exceed "H", it should be shown in Bar List.
- "H" Dimension on stirrups to be shown on Bar List where necessary to restrict hooks.
- Corrections in length, due to bending around a mandrel, will be made only when the radius "R" (as in types 11 and 13) exceeds the standard radii indicated in standard hook dimensions. However, the dimensions "A" or "G" shown for standard hooks have been corrected for curvature.
- All bends shown are bent around a standard mandrel, except where radius "R" is indicated.
- Figures in circles show bar types.
- Where "R" is shown on bar types 9, 10, 11 and 13, the length of bend shall be measured along outside of bend. The length of bar type T3 shall also be measured along outside of bar.

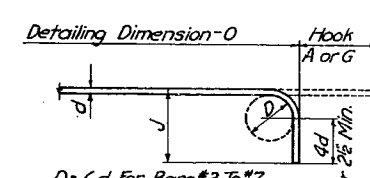
STANDARD HOOK DIMENSIONS



D = 6d For Bars #2 To #7
D = 8d For Bars #8 To #11

180° HOOK

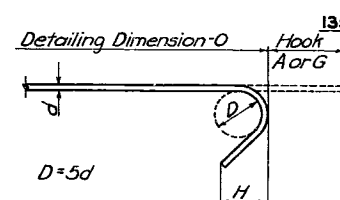
Bar Size	Hook A or G	Approx. J
#2	4"	2"
#3	5"	3"
#4	6"	4"
#5	7"	5"
#6	8"	6"
#7	10"	7"
#8	11"	9"
#9	13"	11"
#10	15"	13"
#11	17"	15"



D = 6d For Bars #2 To #7
D = 8d For Bars #8 To #11

90° HOOK

Bar Size	Hook A or G	Approx. J
#2	3"	3 1/2"
#3	3"	4"
#4	3"	4 1/2"
#5	4"	5"
#6	4"	6"
#7	5"	7"
#8	6"	9"
#9	7"	10"
#10	8"	11 1/2"
#11	9"	13 1/2"



135° STIRRUP HOOK

Bar Size	Hook A or G	H
#2	3 1/2"	2"
#3	4"	2 1/2"
#4	4 1/2"	2 1/2"
#5	5"	2 3/4"

BAR SIZE EQUIVALENTS

#2	6"	#7	7 1/2"
#3	3 1/2"	#8	1"
#4	1 1/2"	#9	1"
#5	5 1/2"	#10	1 1/2"
#6	3 3/4"	#11	1 3/4"

BRIDGE ROUTE 28 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

ABOUT 22 MILES S.E. OF CROCKER

PROJECT NO. I-44-2(37)(RT.1-44)

STA. 1197+81.8
(E. RT. LANE)

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

TYPICAL BAR TYPES
AND HOOK DIMENSIONS

SHEET 6 OF 7

A-803

NO CONSTRUCTION CHANGES

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

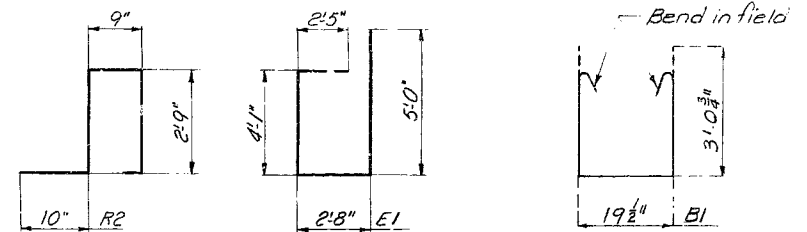
DRAWN BY: F.P. Nief, April 1961
TRACED BY:
CHECKED BY: W.J. Gaddis, April 1961

36

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	136	

DIMENSIONS FOR BENDING																		DIMENSIONS FOR BENDING																			
NO. REQ'D	SIZE NO.	LENGTH	MARK	TYPE	LOCATION	A	B	C	D	E	F	G	H	J	K	R	O	NO. REQ'D	SIZE NO.	LENGTH	MARK	TYPE	LOCATION	A	B	C	D	E	F	G	H	J	K	R	O		
SUBSTRUCTURE (BENT FOOTINGS)																																					
228	6	6'-6"	B6	Str.	Footng																																
36	5	2'-2"	B7	2	do	4"	3'-9"																														
SUPERSTRUCTURE																																					
60	5	14'-2"	E1	Spcl.	Bent																																
Not Used			E2																																		
16	4	5'-3"	E3	Str.	Wing																																
8	4	5'-0"	E4	Str.	do																																
8	4	4'-7"	E5	Str.	do																																
8	4	4'-0"	E6	Str.	do																																
8	5	5'-3"	E7	Str.	do																																
8	5	4'-3"	E8	19	do					1'-8"	2'-7"			1'-6"		2'-4"	4'-0"																				
20	5	6'-2"	E9	Str.	do																																
8	6	33'-9"	E10	17	Bent	2'-5"	28'-11"	2'-5"																													
10	6	57'-11"	E11	Str.	do																																
12	6	28'-11"	E12	Str.	do																																
318	4	7'-9"	B1	Spcl.	Beam																																
30	10	4'-8"	B2	Str.	do																																
18	7	27'-4"	B3	Str.	do																																
15	5	12'-0"	B4	Str.	do																																
18	7	30'-4"	B5	17	do	2'-6"	25'-4"	2'-6"																													
Not Used			B6																																		
24	8	23'-5"	B7	1	do	1'-1"	23'-4"																														
24	8	24'-4"	B10	1	do	1'-1"	23'-0"																														
24	8	24'-9"	B11	1	do	1'-1"	23'-8"																														
170	5	8'-6"	B12	13	do					1'-8"							2'-2"																				
190	5	27'-4"	S1	Str.	Slab																																
33	6	31'-9"	S2	20	do	3'-2"	28'-7"																														
66	6	28'-0"	S3	Str.	do																																
33	6	35'-9"	S4	20	do	3'-2"	32'-7"																														
99	10	32'-0"	S5	Str.	do																																
96	10	20'-0"	S6	Str.	do																																
10	5	21'-2"	S7	Str.	do																																
12	5	7'-0"	S8	19	do					1'-2"	2'-10"			2'-0"		2'-0"	6'-2"																				
190	6	27'-4"	S9	Str.	do																																
125	9	30'-0"	S10	Str.	do																																
33	9	44'-3"	S11	Str.	do																																



NOTES

A dash is used in the appropriate dimension column to indicate that a hook, bend or portion of the standard bar type is to be omitted.

See Sheet 6 for Typical Bar Types and Hook Dimensions.

Bars listed as Spcl. in the Type column require special bending, see details.

Dimensions, bending and hooks for Special Bending Details shall conform to the standards as noted or shown on Sheet 6.

BRIDGE ROUTE 28 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

ABOUT 22 MILES S.E. OF CROCKER

PROJECT NO. I-44-2(37)(RT. I-44)

STA. 1197+81.8
(E. RT. LANE)

PULASKI COUNTY

SVERDRUP & PAPFAL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

BAR LIST AND
SPECIAL BENDING DETAILS

SHEET 7 OF 7

A-803

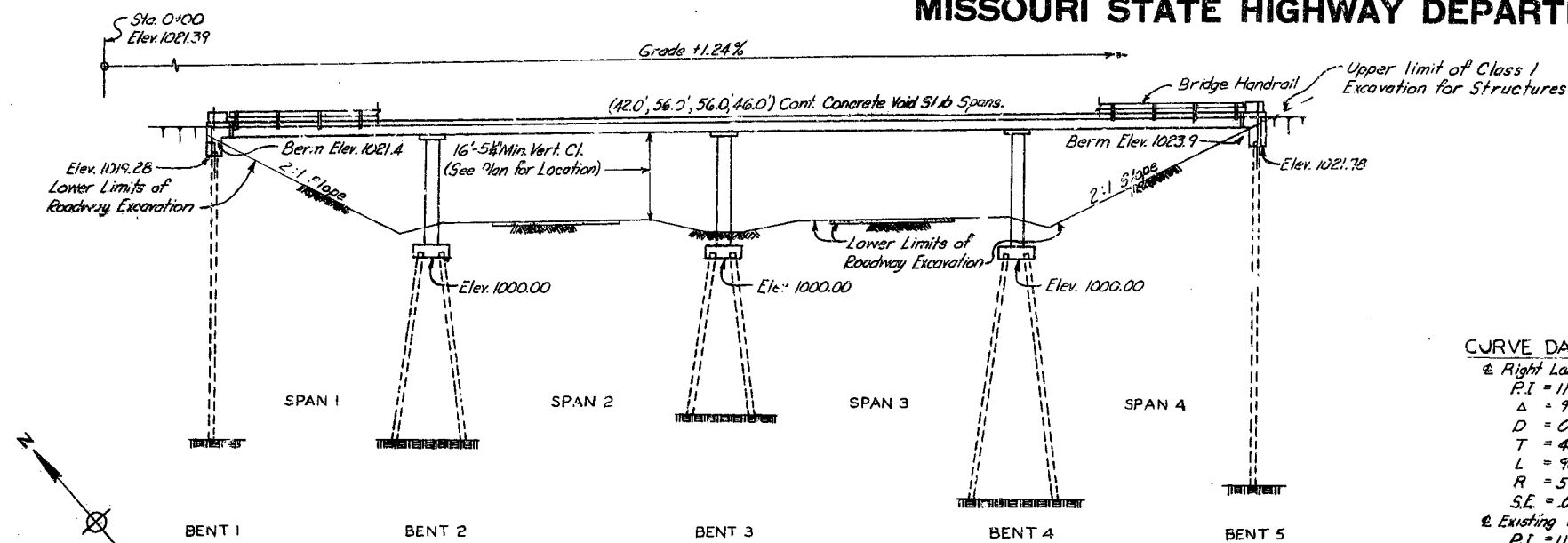
NO CONSTRUCTION CHANGES

STANDARD B2

DRAWN BY: F.P. NIEL, April 1961
CHECKED BY: W.J. GOSCHIS, April 1961
1850-B
675122

MISSOURI STATE HIGHWAY DEPARTMENT

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

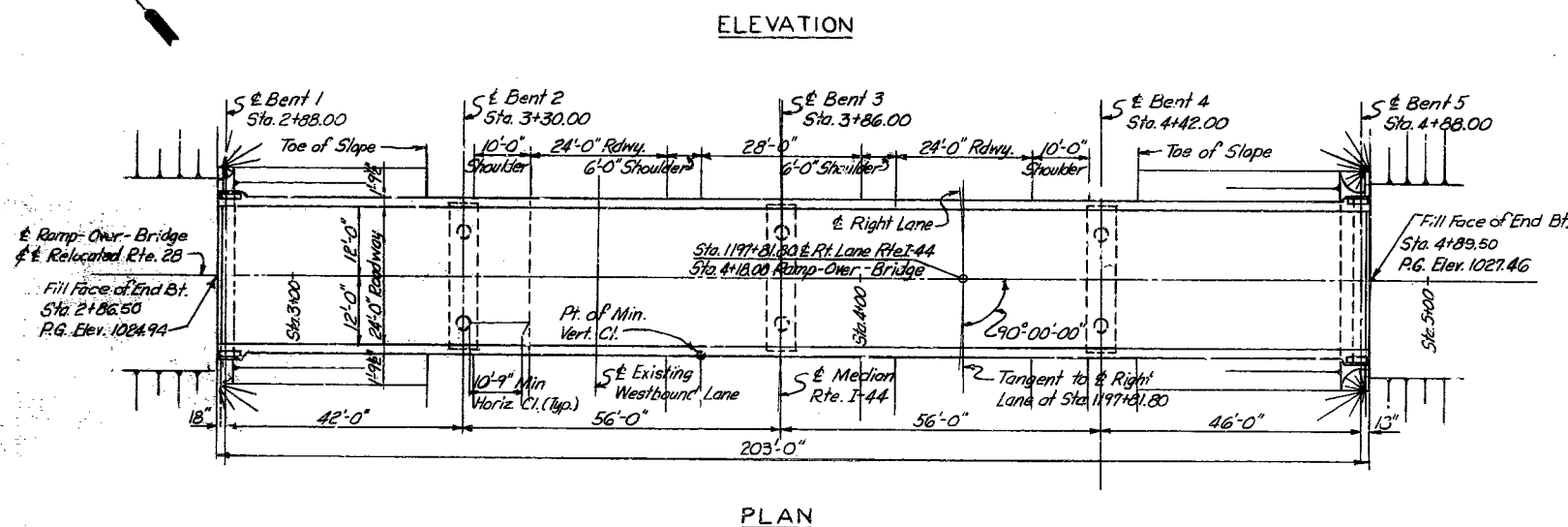


CURVE DATA - RTE. I - 44

Right Lane
P.I. = 1198+85.8
Δ = 9°-10'
D = 0°-59'-20"
T = 464.4'
L = 927.0'
R = 5793.65'
S.E. = .025 %

Existing W.B.L.
P.I. = 1198+74.0
Δ = 9°-10'
D = 1°-00'
T = 459.3'
L = 916.7'
R = 5729.65'

Bent	No. Reg'd.	Size	Length
1	5	10BP42	154
2	8	12BP53	227
3	8	12BP53	210
4	8	12BP53	374
5	5	10BP42	278



CONTINGENT ITEMS		
Left Over piling (10")	Lin. Ft.	120
Haul Left Over Steel Piling To Storage	L.S.	0.04

FINAL QUANTITIES			
Item	Substr.	Superstr.	Total
Class I Excavation for Structures	Cu. Yd.	187.5	187.5
Class B Concrete	Cu. Yd.	27.2	27.2
Class B1 Concrete	Cu. Yd.	42.52	42.52
Reinforcing Steel	Lb.	2380	98960
10BP42 Steel Piles in Place	Lin. Ft.	472	472
10BP42 Steel Pile Cutoffs	Lin. Ft.	48	48
12BP53 Steel Piles in Place	Lin. Ft.	823	823
12BP53 Steel Pile Cutoffs	Lin. Ft.	214	214
Fabricated Structural Carbon Steel	Lb.	132.80	132.80

Note: Final quantity of Class B Concrete includes only the concrete in column footings.

Final quantity of Fabricated Structural Carbon Steel includes the total weight of structural steel for the bridge handrail and anchor bolt assemblies for the handrail posts.

Final quantity of Class I Excavation for Structures includes only amount of excavation below Lower Limits of Roadway Excavation.

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

BENCH MARKS (U.S.G.S. Datum)
□ on Wing Wall, Bent 5, 18' ft Sta. 4+89 R.T.P. Elev. 1027.43

GENERAL NOTES

SPECIFICATIONS: Missouri State Highway Commission Standard Specifications (1961 Edition) and Special Provisions.

DESIGN LOADING: In accordance with Division I of the A.A.S.H.O. Standard Specifications for Highway Bridges, 1957 Edition.

Live Load: H15-44

Dead Load: Provision is made for a future wearing surface of 15 pounds per square foot of roadway surface.

DESIGN UNIT STRESSES:

Concrete in flexure: Class B Concrete - 1200 lbs. per sq. in.
Class B1 Concrete - 1600 lbs. per sq. in.

Reinforcing Steel: - 20,000 lbs. per sq. in.

ROADWAY WEARING SURFACE: The roadway slab as detailed includes a 1" wearing surface poured monolithically with the slab.

REINFORCEMENT: All dimensions to reinforcing steel on detail drawings are to E of bar except where the clear distance is noted from the face of concrete. All reinforcing steel was lapped a minimum of 32 diameters unless otherwise shown or noted.

CONCRETE: Concrete for superstructure was Class B1 air-entrained. Concrete for footings was Class B air-entrained.

WELDING: Qualification of welding operators was required.

BEVELED EDGES: All exposed edges of concrete were beveled 3/4" unless otherwise shown or noted.

FILLED JOINTS: Where filled joints are specified on the plans, the joint filler does conform to the requirements for "Gray Sponge Rubber Compound Expansion Joints," Section 157.2.4 of the Standard Specifications.

SURFACE SEALING: The top surface of the concrete roadway, the roadway face and top surface of the safety curbs were surface sealed. See Special Provisions.

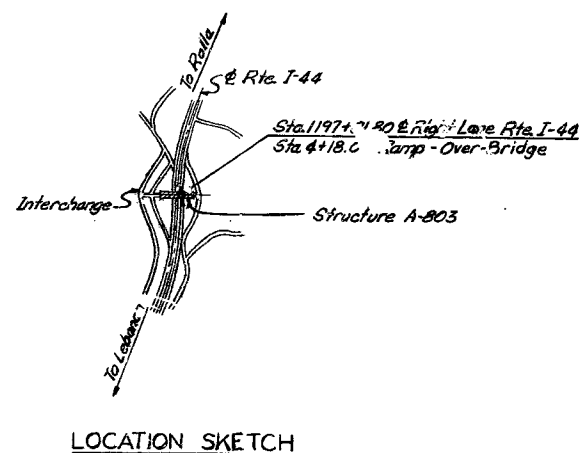
PAINTING: Shop, none; Field, contact surfaces of bolted field connections, steel to steel, one coat of red lead and surfaces inaccessible after erection, three coats of red lead. All other exposed surfaces first coat red lead, second coat brown, third coat aluminum. Payment for cleaning and painting was included in price bid for items painted.

PILING: All piling does conform to the details shown on Sheet No. 3.

Piling for Bents No. 2, 3 & 4 was 12" BP @ 53° and driven to or into solid rock, boulders, shale or cemented gravel or to not less than full length authorized and to sustain a load of at least 47 ton per pile.

Piling for Bents No. 1 & 5 was 10" BP @ 42° and driven to not less than a "Plan" Capacity of 37 ton per pile. If pile lengths furnished fail to give "Plan" Capacity not less than a "Computed" Capacity of 27 ton per pile was obtained.

Piles for end bents were painted in accordance with Section 52.4.7 of the Standard Specifications.



SUBMITTED BY: D.B. Jensen DATE: 5/3/61
BRIDGE ENGINEER

APPROVED BY: J.J. Corbett DATE: 5/3/61
CHIEF ENGINEER

BRIDGE: ROUTE 28 UNDERPASS

STATE ROAD INTERSTATE ROUTE 44

ABOUT 22 MILES S.E. OF CROCKER

PROJECT NO. I-44-2(37)RT. I-44

STA. 1197+81.8
(E RT. LANE)

PULASKI COUNTY

SVERDRUP & PARCEL ENGINEERING CO.
ENGINEERS - ARCHITECTS
ST. LOUIS, MO.

GENERAL PLAN AND ELEVATION

SHEET 14 OF 1

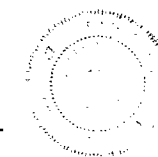
STD. 54.00

A-803

FINAL PLAN

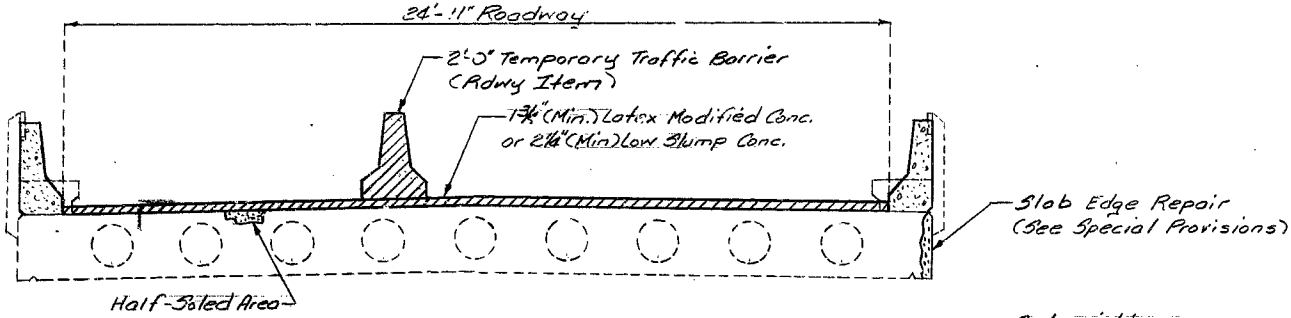
DRAWN BY: G.J. Dee, Feb. 1961
TRACED BY:
CHECKED BY: W.J. Gaddis, Mar. 1961

SUBMITTED BY:
REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-2047

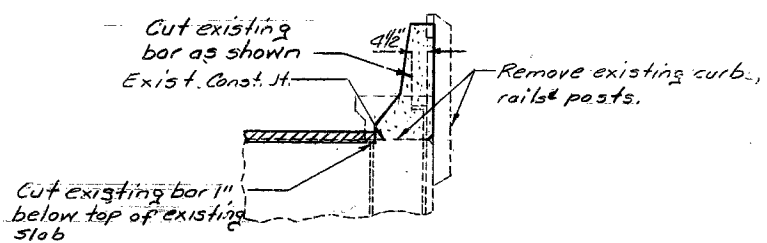


MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

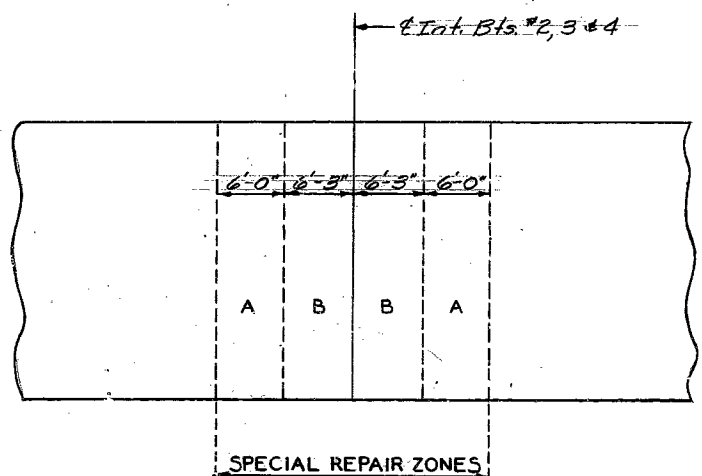
STATE	PROJ NO	SHEET NO.
MO.		8
SEC/SUR 23	TWP 36N RGE 11W	



SECTION THRU EXISTING SLAB



TYPICAL SECTION THRU CURB

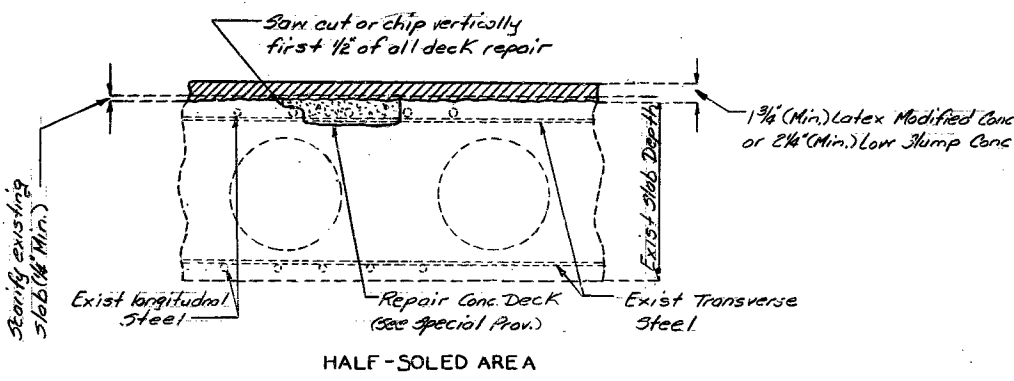


PART PLAN OF SLAB SHOWING SPECIAL REPAIR AREAS

Note: Any repair in the remainder of the bridge that is within 4'-0" of Zone A shall be completed before removing old concrete in Zone A.

Zones with the same letter designation may be repaired at the same time.

Sequence for repair, Zone A, then Zone B



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

GENERAL NOTES:

Design Specifications: A.A.S.H.T.O. - 1983 and Interims thru 1985

Design Unit Stresses:
Class B1 Concrete (Safety Barrier Curb) $f'_c = 4000 \text{ psi}$
Reinforcing Steel (Grade 60) $f_y = 60,000 \text{ psi}$

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

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2" unless otherwise shown.

Traffic Maintained:
One lane of traffic to be maintained over structure during construction.

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

Bars bonded in old concrete not removed shall be cleanly stripped and embedded into new concrete where possible.

See Special Provisions for removal and storage of bridge rail and posts.

ESTIMATED QUANTITIES		
ITEM		TOTAL
Removal and Storage of Exist. Bridge Rail	Lin. Ft.	383
Curb Removal	Lin. Ft.	406
Safety Barrier Curb	Lin. Ft.	406
Repair Conc. Deck (Half-Soling)	Sq. Ft.	195
Slab Edge Repair	Lin. Ft.	5
() Conc. Wearing Surface	Sq. Yd.	562

REPAIRS TO
BRIDGE : ROUTE 28 UNDERPASS
STATE ROAD FROM LEBANON TO ROLLA
NEAR DEVILS ELBOW

PROJECT NO. IR-44-2(129) STA. 1197+81.8
JOB NO. 8-I-44-322 RTE. I-44
PULASKI COUNTY
DATE 2/5/87

STD.
STD.
A-803R

DESIGNED OCT. 1986
DETAILED OCT. 1986
CHECKED OCT. 1986

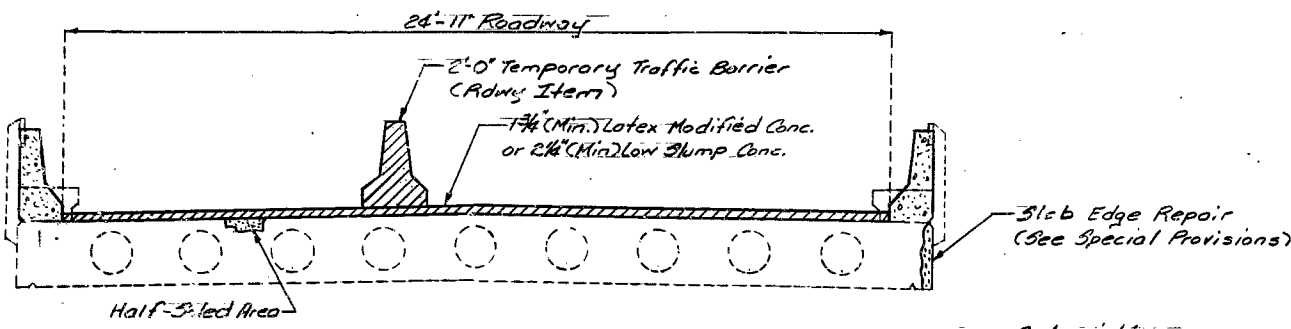
SEE FINAL PLANS
Sheet No. 1 of 3

182

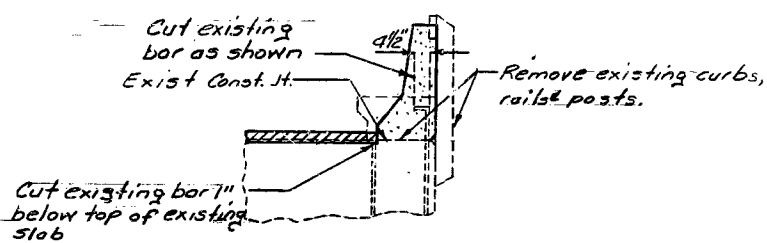
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

STATE	PROJ NO	SHEET NO
MO		8
SEC/SUR 23	TWP 36N RGE 11W	

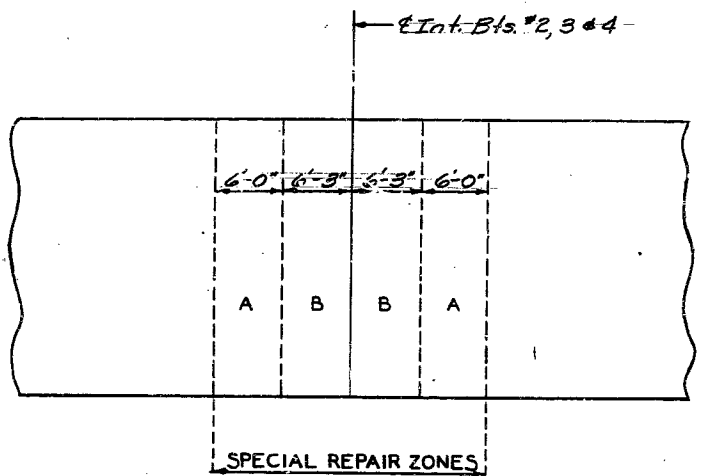
FINAL PLANS



SECTION THRU EXISTING SLAB

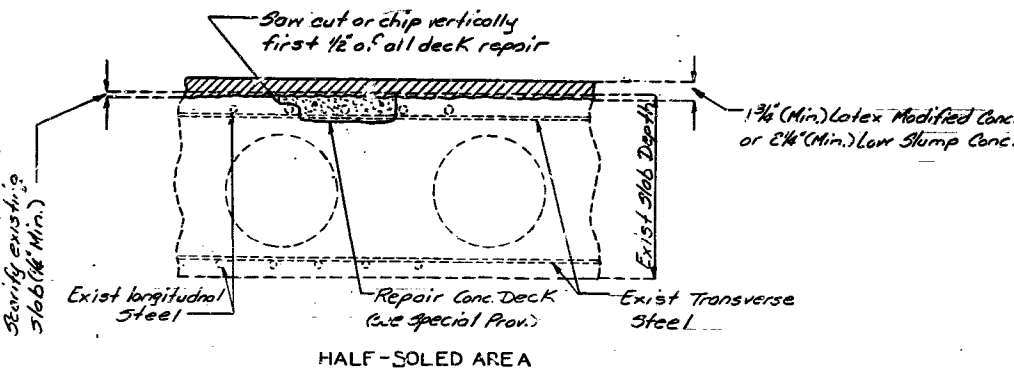


TYPICAL SECTION THRU CURB



PART PLAN OF SLAB SHOWING SPECIAL REPAIR AREAS

Note: Any repair in the remainder of the bridge that is within 4'-0" of Zone A shall be completed before removing old concrete in Zone A.
Zones with the same letter designation may be repaired at the same time.
Sequence for repair, Zone A, then Zone B



HALF-SOLED AREA

GENERAL NOTES:

- Design Specifications: A.R.S.H.T.O. - 1983 and Interims thru 1985
- Design Unit Stresses:
 - Class B1 Concrete (Safety Barrier Curb) $f'_c = 4,000$ psi
 - Reinforcing Steel (Grade 60) $f_y = 60,000$ psi
- Joint Filler:
 - All joint filler shall meet the requirement of Std. Spec. 1057.2.4, except as noted.
- Reinforcing Steel:
 - Minimum clearance to reinforcing steel shall be 1 1/2" unless otherwise shown.
- Traffic Maintained:
 - One lane of traffic to be maintained over structure during construction.
- Outline of old work is indicated by light dashed lines. Heavy lines indicate new work.
- Bars bonded in old concrete not removed shall be cleanly stripped and embedded into new concrete where possible.
- See Special Provisions for removal and storage of bridge rail and posts.

FINAL QUANTITIES		
ITEM		TOTAL
Removal and Storage of Exist. Bridge Rail	Lin. Ft.	338
Curb Removal	Lin. Ft.	406
Safety Barrier Curb	Lin. Ft.	406
Repair Conc. Deck (Half-Shouldering)	Sq. Ft.	113
Slab Edge Repair	Lin. Ft.	0
() Conc. Wearing Surface	Sq. Yd.	562

REPAIRS TO
BRIDGE: ROUTE 28 UNDERPASS
STATE ROAD FROM LEBANON TO ROLL A
NEAR DEVILS ELBOW

PROJECT NO. IR-44-2(129) STA. 1197+81.8
JOB NO. 8-I-44-322 RTE. I-44
PULASKI COUNTY
DATE 2/5/87

STD.
STD.
A-803R

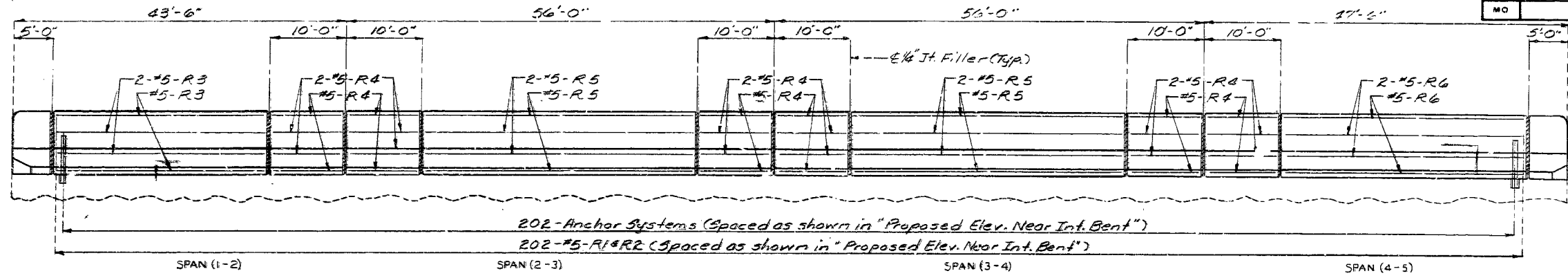
DESIGNED OCT. 1986
DETAILED OCT. 1986
CHECKED OCT. 1986

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

Sheet No. 1A of 3

183

Compiled by: C.C. Dunlap 7-7-88
Checked by: Randy L. Mayo



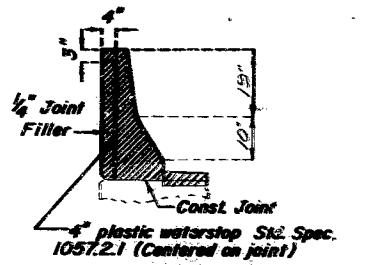
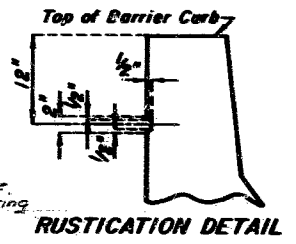
ELEVATION OF BARRIER CURB

Note: Do not use rustication in end posts.

Note: Longitudinal dimensions are horizontal. Rustication not shown in "Elevation of Barrier Curb" for clarity.

NOTE:

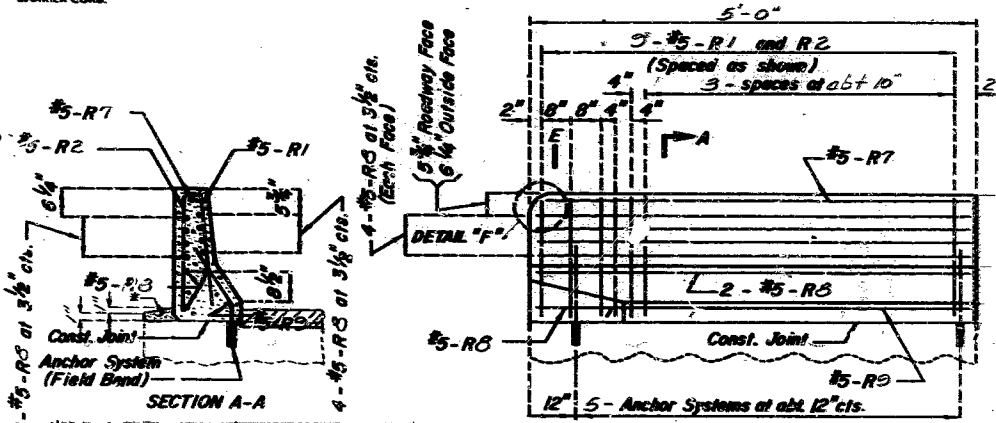
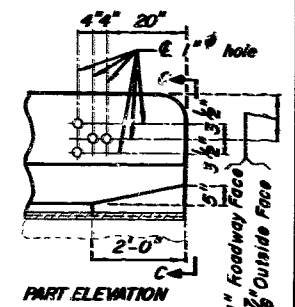
THE CONTRACTOR SHALL USE ONE OF THE ANCHOR SYSTEMS LISTED IN THE JOB SPECIAL PROVISIONS FOR THE SAFETY BARRIER CURB. These anchor systems shall be installed according to the manufacturer's specifications, except as modified by the Job Special Provisions and that an epoxy coated #5, grade 60 reinforcing bar 2'-6" long shall be substituted for the #5 threaded rod stud. COST OF FURNISHING AND INSTALLING THE ANCHOR SYSTEM COMPLETE IN PLACE SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF SAFETY BARRIER CURB.



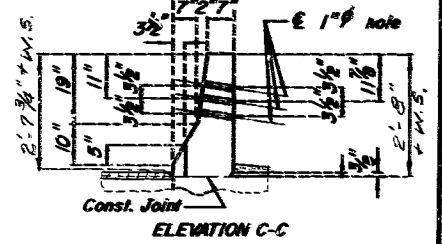
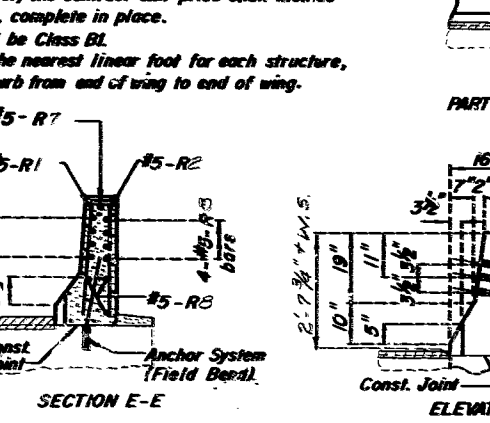
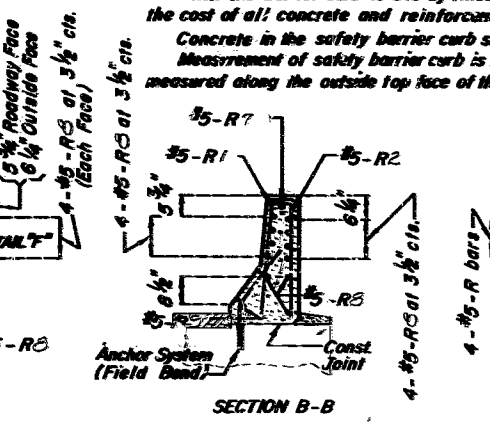
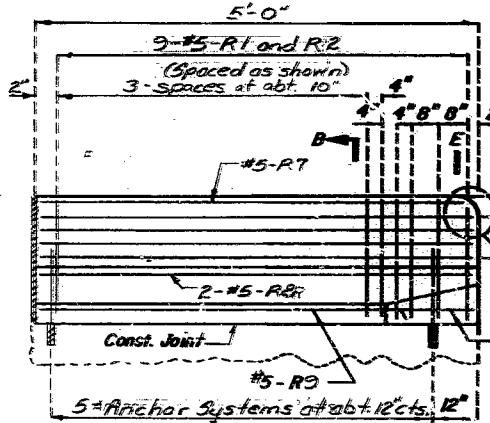
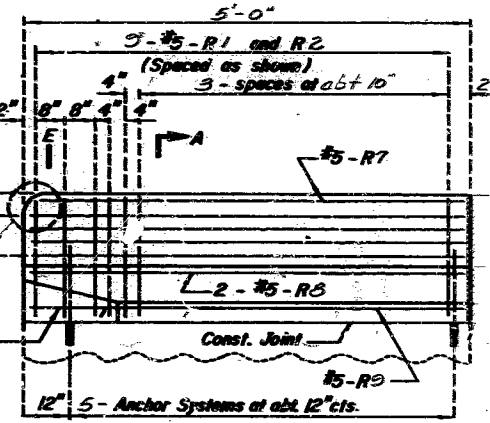
Note: Plastic waterstop shall be placed in all safety barrier curb filled joints. Cost of plastic waterstop complete in place to be included in contract unit price for safety barrier curb.

NOTES:

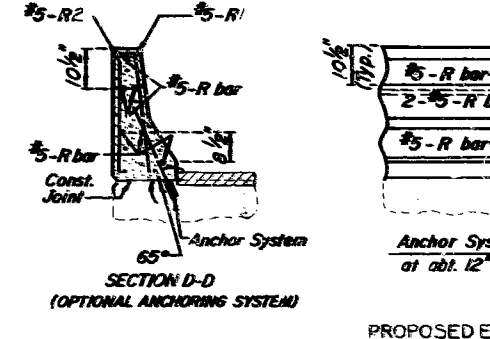
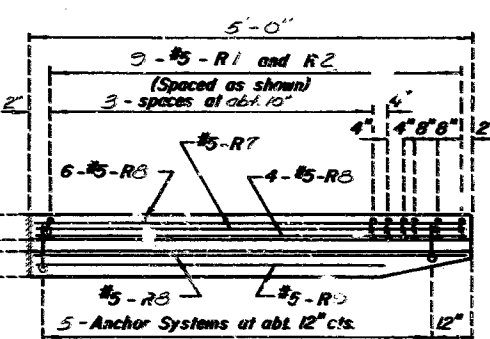
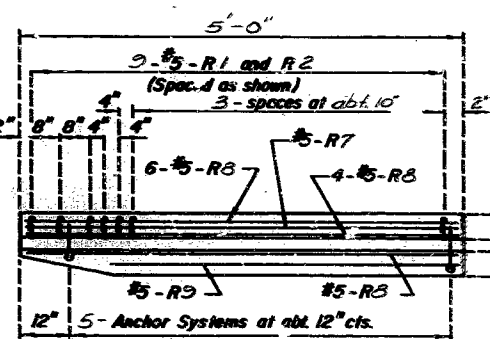
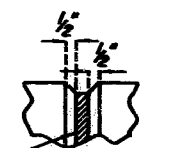
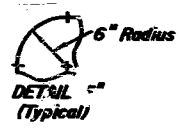
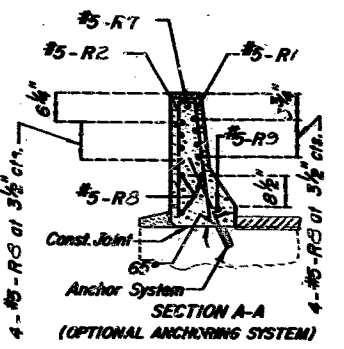
Top of barrier curb to be built parallel to grade with barrier curb joints (except at end bents) normal to grade. All exposed edges of barrier curb shall have 1/2" radius or 3/8" bevel unless otherwise noted. When the barrier curb is bid by linear feet, the contract unit price shall include the cost of all concrete and reinforcement, complete in place. Concrete in the safety barrier curb shall be Class BL. Measurement of safety barrier curb is to the nearest linear foot for each structure, measured along the outside top face of the curb from end of wing to end of wing.



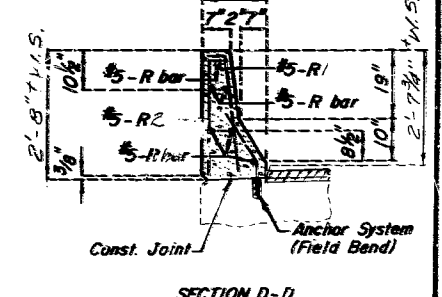
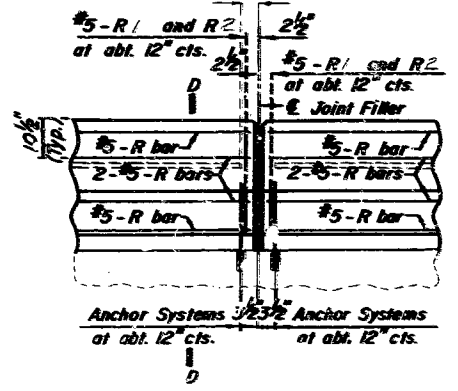
*Class BL concrete. Cost of concrete in place shall be included in price bid for other items.



DETAILS OF GUARD RAIL ATTACHMENT



End Rustication (Typ.)



NOTE: Use a minimum lap of 17" for #5 horizontal barrier curb bars. The cross-sectional area above the slab = 2.45 sq. ft. for Low Slump Conc. and 2.49 sq. ft. for Latex Conc.

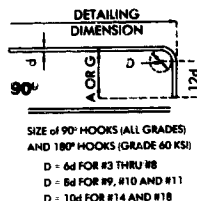
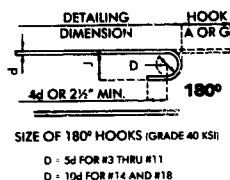
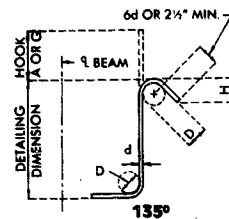
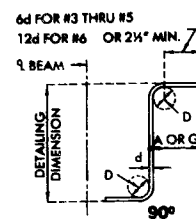
Note: This drawing is not to scale. Follow dimensions.

184

REVISIONS
NO. 1
NO. 2
NO. 3
NO. 4
NO. 5
NO. 6
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NO. 99
NO. 100

DETAILED Oct. 1986
CHECKED OCT. 1986

185



STIRRUP HOOK DIMENSIONS				
GRADES 40-50-60 KSI				
BAR SIZE	D (IN.)	90° HOOK		135° HOOK
		HOOK A OR G	HOOK A OR G	APPROX. H
#3	1 1/4"	4"	4"	2 1/4"
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"
#6	4 1/2"	12"	7 1/4"	4 1/2"

NOTE: UNLESS OTHERWISE NOTED DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR.

END HOOK DIMENSIONS				
BAR SIZE	D (IN.)	180° HOOKS		90° HOOKS
		ALL GRADES A OR G	J	ALL GRADES A OR G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	12"
#7	5 1/4"	10"	7"	14"
#8	6"	11"	8"	16"
#9	9 1/4"	15"	11 1/4"	19"
#10	10 3/4"	17"	13 1/4"	22"
#11	12"	19"	14 1/4"	2'-0"
#14	18 1/4"	2'-3"	21 1/4"	2'-7"

NOTES:

ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEG. TO BE BENT WITH SAME PROCEDURE AS FOR 90 DEG. STD. HOOKS.

HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET.

E - EPOXY COATED REINFORCEMENT.
S - STIRRUP

X - BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIES.

V - BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE AND THE FOLLOWING LINE.

NO. EA. - NUMBER OF BARS OF EACH LENGTH.

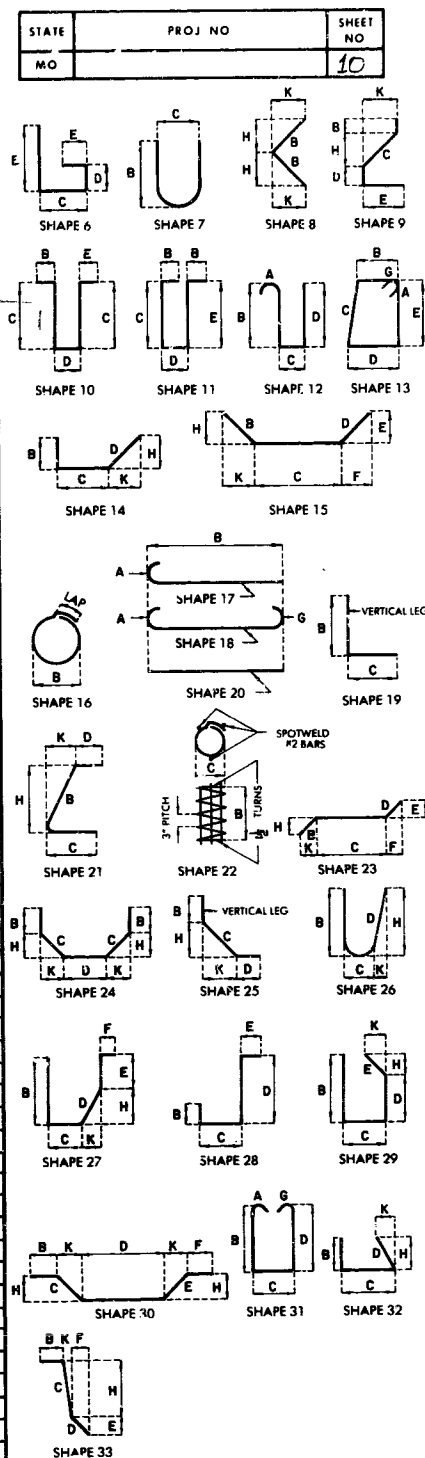
NOMINAL LENGTHS - ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAM AND ARE LISTED FOR FABRICATORS USE. (NEAREST INCH)

ACTUAL LENGTHS - ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH.

PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS.

COMPLETE BILL OF REINFORCING STEEL

NO. REQD.	MARK NO.	LOCATION	EPOXY	SHAPE NO	STIRRUP SUBSTR.	VARIES	NO. EACH	DIMENSIONS																NOMINAL LENGTH	ACTUAL LENGTH	WEIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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BENDING DIAGRAMS

Note: Two (2) additional #5R4 are included in bar bill for testing.

STD. 90.8.5
MAY 1974

REVISED
JUNE 1986

DETAILED Oct. 1986
CHECKED Oct. 1986

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

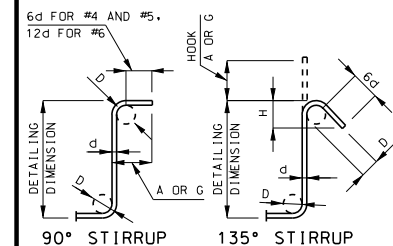
Sheet No. 3 of 3

PULASKI

COUNTY

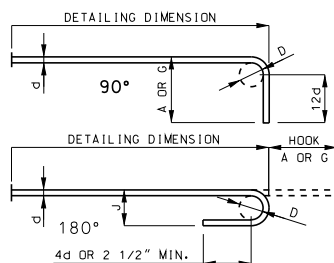
A-803R

BILL OF REINFORCING STEEL

[illegible]

STIRRUP HOOK DIMENSIONS				
GRADES 40 - 50 - 60 KSI				
BAR SIZE	D (IN.)	90° HOOK		135° HOOK
		HOOK A OR G	HOOK A OR G	APPROX. H
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"
#6	4 1/2"	12"	8"	4 1/2"

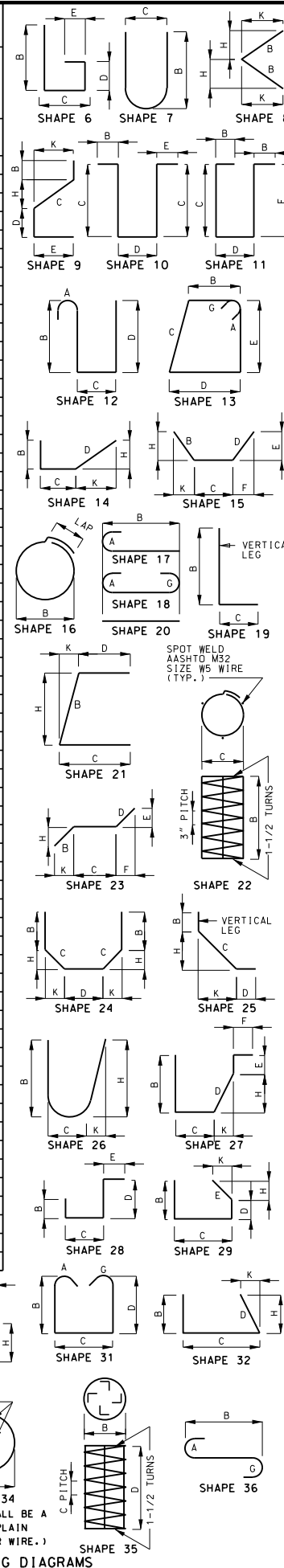
NOTE: UNLESS OTHERWISE NOTED DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR.



END HOOK DIMENSIONS				
BAR SIZE	D (IN.)	ALL GRADES		
		180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	12"
#7	5 1/4"	10"	7"	14"
#8	6"	11"	8"	16"
#9	9 1/2"	15"	11 3/4"	19"
#10	10 3/4"	17"	13 1/4"	22"
#11	12"	19"	14 3/4"	21'-0"
#14	18 1/4"	2'-3"	21 3/4"	2'-7"

NOTE:
ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEGREE ARE TO BE BENT WITH SAME
PROCEDURE AS FOR 90 DEGREE STANDARD HOOKS.
HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET.
E = EPOXY COATED REINFORCEMENT.
S = STIRRUP.
X = BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIES.
Y = BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE
AND THE FOLLOWING LINE.
NO. EX. = NUMBER OF BARS OF EACH LENGTH.
NOMINAL LENGTHS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND
ARE LISTED FOR FABRICATORS USE. (NEAREST INCH)
ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH.
PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS.
FOUR ANGLE OR CHANNEL SPACERS ARE REQUIRED FOR EACH COLUMN SPIRAL. SPACERS ARE TO
BE PLACED ON INSIDE OF SPIRALS. LENGTH AND WEIGHT OF COLUMN SPIRALS DO NOT INCLUDE
SPLICES OR SPACERS.
REINFORCING STEEL (GRADE 60) FY = 60,000 PSI.

BILL OF REINFORCING STEEL

[illegible]

Detailed July 2012
Checked July 2012

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

Sheet No. 2 of 2

[illegible]

SEC/SUR 23 TWP 36N RGE 11W

"THIS MEDIA SHOULD
NOT BE CONSIDERED
A CERTIFIED
DOCUMENT."

DATE PREPARED
11/5/2012

ROUTE I-44	STATE MO
DISTRICT BR	SHEET NO. 1


COUNTY
PULASKI

JOB NO.
J5M0256

CONTRACT ID.
20727-D02

PROJECT NO.

BRIDGE NO.
A08033

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MDOT (1-888-275-6636)

FINAL PLANS

Design Specifications:
2002 - AASHTO 17th Edition
Load Factor Design

Class B-1 Concrete (Superstructure)	$f'_c = 4,000$ psi
Reinforcing Steel (Grade 60)	$f_y = 60,000$ psi

Minimum clearance to reinforcing steel shall be 1-1/2", unless otherwise shown.

The contractor may use a mechanical bar splice for V1 bars. The total bar lengths for bars indicated in the bill of reinforcing steel are determined based on the bars being full height of column minus clearance. Mechanical bar splices shall be in accordance with Sec 706 except that no measurement will be made for mechanical bar splice and will be considered completely covered by the contract unit price for the reinforcing steel.

Structure to remain open to traffic during construction. See Roadway Plans for traffic control.

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

Type III cement may be used to accelerate the set of the concrete. Accelerating additives containing chlorides will not be permitted.

Cost of disassembling, removing, transporting and storing temporary bracing and attaching hardware will be considered completely covered by the contract unit price for other items.

Item	Unit	Total
Removal of Existing Column	lump sum	1
* Class B-1 Concrete (Superstructure)	cu. yard	3.7
Temporary Falsework	lump sum	1
Reinforcing Steel (Bridges)	pound	880

NOTES:
Cost of required excavation for bridge will be considered completely covered by the contract unit price for other items.

✱ The contractor may substitute self-consolidating concrete for Class B-1 Concrete. No price adjustment will be made for this substitution.

STA. 1197+81.80± (Match Exist.)



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

Sheet No. 1 of 2

Designed	July 2012
Detailed	July 2012
Checked	July 2012

T:\de-proj\Pulaski\J5M0256\J5M0256\A08033\B_A08033_001_J5M0256_column_replacement.dgn 3:28:28 PM 11/5/2012



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	1 RTE THAT GOES 'UNDER' S Code : A
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	579	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	MO 28 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	CULLEN	29	AADT	20709
	Code	17740	30	AADT Year	2021
9	Location	S 23 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	163.48 miles	109	AADT Truck Percent	29%
16	Latitude	37 D 50 M 5 S	114	Future AADT	
17	Longitude	92 D 5 M 57 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 12 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	26 Ft. 3 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	56 Ft. 1 In.
56	Left Lat Clearance		49	Structure Length	203 Ft. 1 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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	CD	5B	Route Signing Prefix	MO
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	579	5D	Route Number	00028
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1987	7	Facility Carried	MO 28 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	16-URBAN MINOR ARTERIAL
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE 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		
4	Place	CULLEN	29	AADT	5321
	Code	17740	30	AADT Year	2021
9	Location	S 23 T 36 N R 11 W	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	0.06 miles	109	AADT Truck Percent	4%
16	Latitude	37 D 50 M 5 S	114	Future AADT	8514
17	Longitude	92 D 5 M 57 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	1.24 miles
28B	Lanes Under Structure	04	32	Approach Roadway Width	23 Ft. 11 In.
54A	Vert. Clearance Ref.	HIGHWAY	34	Skew	0.00 Degrees
54B	Vert. Clearance	15 Ft. 4 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	HIGHWAY	47	Total Horiz. Clear	24 Ft. 11 In.
55B	Rt. Lat Clearance	10 Ft. 6 In.	48	Maximum Span Length	56 Ft. 1 In.
56	Left Lat Clearance	10 Ft. 6 In.	49	Structure Length	203 Ft. 1 In.
38	Navigation Control	N/A	50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	24 Ft. 11 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	27 Ft. 7 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 15	43A	Main Struc. Mat type	CONCRETE CONTINUOUS
41	Structure Status	A - OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	SLAB
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	4
64	Operating Rating	63 Tons.	44A	Appr Struc. Mat type	
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	
66	Inventory Rating	36 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	4 LOW SLUMP
Sufficiency Rating 78.3 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating FUNCTIONAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility PARTIAL			CONDITION RATING INFORMATION		
75A	Proposed Work	REHAB-GENERAL DETERIORAT	58	Deck Cond. Rating	6
75B	Work Done By	Contract	59	Superstructure Cond. Rating	6
76	New Struc Length	10 Ft. 6 In.	60	Substructure Cond. Rating	7
94	Struc Improve Cost	\$ 616,000	61	Channel /Channel Protection Cond. Rating	N
95	Roadway Improve Cost	\$ 62,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 924,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	10 / 21
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	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	MEETS ACCEPTBLE STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	6	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	2	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	6	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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	1 RTE THAT GOES 'UNDER' S Code : A
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	579	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	MO 28 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	CULLEN	29	AADT	20709
	Code	17740	30	AADT Year	2021
9	Location	S 23 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	164.79 miles	109	AADT Truck Percent	29%
16	Latitude	37 D 50 M 5 S	114	Future AADT	
17	Longitude	92 D 5 M 57 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	16 Ft. 12 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	26 Ft. 3 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	56 Ft. 1 In.
56	Left Lat Clearance		49	Structure Length	203 Ft. 1 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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 1 RTE THAT GOES 'UNDER' S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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	

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Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	2ND RTE THAT GOES 'UNDR'S Code : B
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	579	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	MO 28 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	CULLEN	29	AADT	14136
	Code	17740	30	AADT Year	2021
9	Location	S 23 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	129.13 miles	109	AADT Truck Percent	29%
16	Latitude	37 D 50 M 5 S	114	Future AADT	
17	Longitude	92 D 5 M 57 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	15 Ft. 4 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	26 Ft. 3 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	56 Ft. 1 In.
56	Left Lat Clearance		49	Structure Length	203 Ft. 1 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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 3/8/2022 SUBMITTAL YEAR : 2021

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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	CD	5B	Route Signing Prefix	MO
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	579	5D	Route Number	00028
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1987	7	Facility Carried	MO 28 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	16-URBAN MINOR ARTERIAL
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE 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		
4	Place	CULLEN	29	AADT	5321
	Code	17740	30	AADT Year	2021
9	Location	S 23 T 36 N R 11 W	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	0.06 miles	109	AADT Truck Percent	4%
16	Latitude	37 D 50 M 5 S	114	Future AADT	8514
17	Longitude	92 D 5 M 57 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	1.25 miles
28B	Lanes Under Structure	04	32	Approach Roadway Width	23 Ft. 11 In.
54A	Vert. Clearance Ref.	HIGHWAY	34	Skew	0.00 Degrees
54B	Vert. Clearance	15 Ft. 4 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	HIGHWAY	47	Total Horiz. Clear	24 Ft. 11 In.
55B	Rt. Lat Clearance	10 Ft. 6 In.	48	Maximum Span Length	56 Ft. 1 In.
56	Left Lat Clearance	10 Ft. 6 In.	49	Structure Length	203 Ft. 1 In.
38	Navigation Control	N/A	50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	24 Ft. 11 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	27 Ft. 7 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 15	43A	Main Struc. Mat type	CONCRETE CONTINUOUS
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	SLAB
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	4
64	Operating Rating	63 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	36 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	4 LOW SLUMP
Sufficiency Rating 78.3 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating FUNCTIONAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility PARTIAL			CONDITION RATING INFORMATION		
75A	Proposed Work	REHAB-GENERAL DETERIORAT	58	Deck Cond. Rating	6
75B	Work Done By	Contract	59	Superstructure Cond. Rating	6
76	New Struc Length	236 Ft. 3 In.	60	Substructure Cond. Rating	7
94	Struc Improve Cost	\$ 1,027,000	61	Channel /Channel Protection Cond. Rating	N
95	Roadway Improve Cost	\$ 103,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 1,540,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2022	90	Gen. Insp Date	10 / 21
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	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	MEETS ACCEPTBLE STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	6	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	2	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	6	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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	2ND RTE THAT GOES 'UNDR'S Code : B
2	District	CD	5B	Route Signing Prefix	IS
3	County	PULASKI	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	579	5D	Route Number	00044
27	Year Built	1961	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	MO 28 E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
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 Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON 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	CULLEN	29	AADT	14136
	Code	17740	30	AADT Year	2021
9	Location	S 23 T 36 N R 11 W	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	130.17 miles	109	AADT Truck Percent	29%
16	Latitude	37 D 50 M 5 S	114	Future AADT	
17	Longitude	92 D 5 M 57 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 44	10	Inventory Rte. Vert. Clear	15 Ft. 4 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	26 Ft. 3 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	56 Ft. 1 In.
56	Left Lat Clearance		49	Structure Length	203 Ft. 1 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 = a0803



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

December 15, 2022
8:49:06am

COUNTY : PULASKI BRIDGE : A0803 3 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 11/30/2022 SUBMITTAL YEAR : 2022

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	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	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	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 = a0803

Bridge Number:

A0803R3

Route/County:

28/Pulaski

Asbestos-Containing Material Present?

Yes: ☐

No: ☒

If yes, see report for location(s).

Structural Steel Present?

Yes: ☐

No: ☒

If No, then skip the following.

Lead-Based Paint (LBP) Present?

Yes: ☐

No: ☐

Trusses LBP?

Yes: ☐ No: ☐

Girder LBP?

Yes: ☐ No: ☐

Railing LBP?

Yes: ☐ No: ☐

Pile LBP?


Yes: ☐ No: ☐



MEMORANDUM

Missouri Department of Transportation Construction and Materials Central Laboratory

TO: TMS

FROM: Diane Roegge 
Environmental Chemist

DATE: June 10, 2019

SUBJECT: Materials
Asbestos Inspection & Heavy Metal Paint Survey
Route 28
Bridge A-0803R3
Pulaski County

We are providing you with the results of the inspection on the above referenced bridge. The inspection report contains an asbestos and a heavy metals survey. The asbestos inspection included identifying suspect asbestos-containing material and NVLAP accredited testing to confirm the presence of asbestos.

Form T746 – This will show if samples were taken, where from, and, if the sample was found to contain asbestos, our estimated quantity of material present. Under the column “Friability Category”, this is the meaning for the following:

N-ACM – No asbestos detected.

I NF – Asbestos is present. Material shall be handled carefully by a licensed abatement worker and kept wet if removing as part of a maintenance activity.

II NF – Asbestos is present. If removal is required for the maintenance activity, use an abatement contractor.

In accordance with Missouri Department of Natural Resources’ Technical Bulletin “Managing Construction and Demolition Waste” dated January 31, 2003, a heavy metal paint survey has been performed on the above referenced bridge. This survey includes locating concrete which has been painted with something other than traffic paint or graffiti, and testing the painted surface(s) to determine if hazardous heavy metals are present. If the bridge is being removed completely, or the maintenance repairs include removing the painted concrete, then, non-hazardous painted concrete may be used as clean fill materials, if properly handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling all accessible areas, it is possible that potentially hidden asbestos-containing materials may exist within the structure. Should you have any questions regarding these reports, please contact me at (573) 526-4359.

db/fr/dr

[http://sp/sites/cm/chemicallab/environmental/shared documents/asbestos/districts/central \(cd\)/mt/a0803r3/dr19061002.docx](http://sp/sites/cm/chemicallab/environmental/shared%20documents/asbestos/districts/central%20(cd)/mt/a0803r3/dr19061002.docx)

Attachments

**MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Asbestos Survey Report
All Suspect ACM**

ROUTE:	28
MODOT JOB NO.:	N/A
DISTRICT:	CD
COUNTY:	Pulaski
DATE OF SURVEY:	June 10, 2019
PARCEL NO.:	Bridge A-0803R3

SURVEYED BY:	Frank Reichart and Diane Roegge
CERTIFICATION #:	7020101818MOIR1239, F.R. 7011010319MOIR7165, D.R.
SITE ADDRESS:	Over I-44, Exit #163
TYPE(S) OF STRUCTURE(S):	Bridge

[illegible]

N-ACM = Non-Asbestos Containing Material I NF = Category I Nonfriable
NAFD = No Asbestos Fiber Detected * = Tested By Point Count Procedure

II NF = Category II Nonfriable

F = Friable

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS

Asbestos Survey Report

Nonfriable Asbestos-Containing Materials

(Abatement not required if not made friable during demolition.)

28

ROUTE:
MODOT JOB NO.:

$$\frac{N}{A}$$

|CD|

Pulaski

N/A

Bridge A-0803R3

TESTED BY:

CERTIFICATION #:

SITE ADDRESS:

TYPE(S) OF STRUCTURE(S):

Frank Reichart and Diane Roegge

7020101818MOIR11239, F.R.

Over I-44, Exit #163

Bridge[illegible]

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS

Asbestos Survey Report

All materials requiring removal or special handling.

ROUTE:	28	TESTED BY:	Frank Reichart and Diane Roegge
MODOT JOB NO.:	N/A	CERTIFICATION #:	7020101818MOIR11239, F.R. 7011010319MOIR7165, D.R.
DISTRICT:	CD	SITE ADDRESS:	Over I-44, Exit #163
COUNTY:	Pulaski	TYPE(S) OF STRUCTURE(S):	Bridge
DATE OF TESTS:	N/A		
PARCEL NO.:	Bridge A-0803R3		

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Metals Survey Report of Painted Concrete, Block, Brick Surfaces for Clean Fill Purposes

ROUTE:	28
MODOT JOB NO.:	N/A
DISTRICT:	CD
COUNTY:	Pulaski
SURVEYED BY:	Frank Reichart
DATE OF SURVEY:	June 10, 2019

TESTED BY:	N/A
DATE OF TESTS:	N/A
PARCEL NO.:	Bridge A-0803R3
SITE ADDRESS:	Over I-44, Exit #163
TYPE(S) OF STRUCTURE(S):	Bridge

[illegible]

All results are by XRF unless otherwise indicated: a = USEPA SW-846 Method 3050 b = USEPA SW-846 Method 7471

CERTIFICATION NUMBER:
7020101818MOIR11239

THIS CERTIFIES
Francis J Reichart
HAS COMPLETED THE CERTIFICATION
REQUIREMENTS FOR
Inspector

APPROVED: **10/22/2018**
EXPIRES: **10/22/2019**

TRAINING DATE: **10/18/2018**

Director of Air Pollution Control Program



CERTIFICATION NUMBER:
7011010319MOIR7165

THIS CERTIFIES
Diane R Roegge
HAS COMPLETED THE CERTIFICATION
REQUIREMENTS FOR
Inspector

APPROVED: **01/08/2019**
EXPIRES: **01/08/2020**

TRAINING DATE: **01/03/2019**

Director of Air Pollution Control Program

