

August 05, 2024 7:23:54AM

COUNTY: SHANNON DISTRICT: SE CLASS: STATBR FED-ID: 5386 BRIDGE: J0420

\*\*\*GENERAL STRUCTURE INFORMATION\*\*\* \*\*\*BRIDGE INSPECTION INFORMATION\*\*\* **ROUTE: MO19S** # **SPANS**: 8 PLACE CODE: 22294 EMINENCE **DATE:** 12/14/2022 **RESPONSIBILITY: DISTRICT** LANES ON: 2 FEATURE: RND SPRGCAV RD PRK, SP LENGTH: 523 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL\*\*: 24 LANES UNDER: 2** STATUS: A-OPEN MAXIMUM SPAN: 155 FT 0 IN **TEAM LEADER:** ED HESS **ELEMENT: NO LOG MILE:** 196.478 **COMPASS DIRECTION: NORTH to SOUTH** APPROACH ROADWAY: 22 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR:** 55.00 MILES **DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB: 20 FT 0 IN INSPECTOR 3: OUT TO OUT: 23 FT 0 IN** NHS: NO **FUNCTIONAL CLASS: RL-MINOR ARTERIAL** \*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1930 **NBI OWNER: MODOT AADT:** 416 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: SE LOCATION: S 20 T 30 R 4 W **AADT TRUCK: 18.5% LATITUDE:** 37 16 54.52 (DMS) **MAINTENANCE COUNTY: SHANNON FUTURE AADT: 624 LONGITUDE:** 91 24 34.46 (DMS) SUB AREA: 7H52 **FUTURE AADT YEAR: 2043** \*\*\*INDEPTH INSPECTION INFORMATION\*\*\* \*\*\*FRACTURE CRITICAL INSPECTION INFORMATION\*\*\* DATE: RESPONSIBILITY: **CATEGORY: CATEGORY:** DATE: **RESPONSIBILITY: FREQUENCY: CALCULATED INTERVAL\*\*: NBI**: **FREQUENCY: CALCULATED INTERVAL\*\*: NBI**: **TEAM LEADER: INSPECTOR 3: METHOD: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** \*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required. \*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required. FRACTURE CRITICAL INSPECTION COMMENTS **INDEPTH INSPECTION COMMENTS** \*\*\*SPECIAL INSPECTION INFORMATION\*\*\* \*\*\*UNDERWATER INSPECTION INFORMATION\*\*\* **DATE:** 07/10/2014 **CATEGORY:** CHANNEL CROSS SECT **DATE:** 12/14/2022 **CATEGORY: DRY RESPONSIBILITY: DISTRICT RESPONSIBILITY: DISTRICT NBI:** NO FREOUENCY: 60 NBI: NO FREOUENCY: 72 **CALCULATED INTERVAL\*\*:** CALCULATED INTERVAL\*\*: 24 **TEAM LEADER: ED HESS TEAM LEADER: INSPECTOR 3: METHOD:** WT TAPE **INSPECTOR 3: METHOD:** VISUAL **INSPECTOR 2:** ED HESS **INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** \* When calculated interval exceeds the frequency, a justification comment per BIRM is required. \*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required. SPECIAL INSPECTION COMMENTS **UNDERWATER INSPECTION COMMENTS** OTHER SPECIAL INSPECTIONS OTHER UNDERWATER INSPECTIONS **DATE FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** 

MoDOT

# Missouri Department of Transportation State Bridge Inspection Report

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**BRIDGE: J0420** 

COUNTY: SHANNO	DN DISTRICT: SE	CLASS: STATBR	<u> </u>	ED-ID: 5386	BRIDGE: J0420	
		***STRU	CTURE POSTING**	·*		
APPROVED CATEGORY: S-1 Ton 1: COMMENTS:	NO POSTING REQUIRED  Ton 2:	Ton 3:				
FIELD CATEGORY: S-1 Ton 1: COMMENTS:	NO POSTING REQUIRED  Ton 2:	Ton 3:	PROBLEM:		PROBLEM DIRECTION:	
		***GENERAL COMM	ENTS/MAJOR RAT	ED ITEMS***		
GENERAL COMMENTS: (BOWDEJ1, 04/08	8/2008)(54'-52'-51') SMP DECK GDR - (	151') OPEN SPANDREL CONC ARCH - (5	'-52'-52'-54') SMP DECK	GDR SPANS		
[ITEM 58] DECK: 4 RATING: 1		COMMENTS: (DENNIB1, 04/23/2018) (DENNIB1, 12/13/2018) DETERIORATION THE	APPROXIMATELY 50%		HALT OVERLAY SPALLS THROUGHOUT THE MAIN SPAN. MODERATE TO SEVER	E EDGE
[ITEM 59] SUPER: 4 RATING: 1		(DENNIB1, 04/23/2018) (BRAWLK1, 12/16/2022	REBAR EXPOSED IN M )SPALL AT BEARING A	OST CASES AFFECTING BEARING		
[ITEM 60] SUB: 6 RATING: 0	-SATISFACTORY CONDITION 5/18/2001	<b>COMMENTS:</b> (DENNIB1, 04/23/2018)	A FEW CRACKS AND S	SPALLS THROUGHO	UT ALL BENT BEAMCAPS AND COLUMNS WITH REBAR EXPOSE	ED IN MOST CASES
[ITEM 61] BANK/CHANNEL: 5- RATING: 1:			-VEGETATION AND DEE 2)MODERATE SCOUR A		THE CHANNEL IS SLIGHTLY RESTRICTING FLOW.	
[ITEM 113] SCOUR: 5- RATING: 1: EVALUATION TYPE:	-FOUNDATION STABLE 2/16/2022	COMMENTS: (BRAWLK1, 12/16/2022	)MOD SCOUR AROUN	D BENT 4		
[ITEM 71] WATERWAY ADEQUACY: D RATING: 0		COMMENTS:				
[ITEM 72] APPRRDWY ALIGNMENT: 6 RATING: 0		COMMENTS:				
		***RAILING AND APPROACH PA	AVEMENT COMPO	NENTS AND RAT	INGS***	
<i>[ITEM 36A] BRIDGE RAILING RATIN</i> <u>MATERIAL</u> REINFORCED CONCRETE	VG: DOESNT MEET CURRNT STND-0  CONSTRUCTION  CURB	<i>RATING</i> : 12/10/2014 <u>DIRECTION</u> BOTH <i>COMMENTS</i>	COMMENTS:			
CONDITION  DETERIORATIO  REBAR EXPOSE  REINFORCED CONCRETE	DN LOCATION 1 THROUGHOU	<u>LOCATION 2</u> Т	<u>SEVERITY</u> MODERATE MANY	<u>COMMENT</u>		
[ITEM 36B] TRANSITION RAILING RATIN	VG: NOT PROVIDED-0	<b>RATING</b> : 05/18/2001	COMMENTS:			
[ITEM 36C] APPROACH RAILING RATIN	VG: NOT PROVIDED-0	RATING: 05/18/2001	COMMENTS:			

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[ITEM 36D] RAIL END TRE	EATMENT RATING: NOT PROVIDED-0	)	<b>RATING:</b> 05/18/2001	COMMENTS:					
APPROAC	H PAVEMENT: *Overall condition assig	ned for each approach pavemenet co	omponent is shown below.						
MATERIAL	CONSTRUCTION		CONDITION*	<u>COMMENTS</u>					
ASPHALT	BITUMINOUS MAT								
		***DRAINAGE, EXPANS	SION DEVICES RANK	STODE AND DECK PR	PATECTIVE CO	MDONFNTS**	*		
DECK PROTECTIVE COMPOR	NENTS:	DRAINAGE, EXTANS	JON DEVICES, DANK	SLOIE, AND DECK IN	COTECTIVE CO	MII ONENIS			
SERIES TYPE-#	<u>COMPONENT</u>	MATERIAL ACREATE	<u>CONSTRUCTION</u>			<u>MANUFACTURE</u>		L CONDITION	
APPROACH SERIES-1	WEARING SURFACE	ASPHALT	BITUMINOUS MAT	T 1 IN	2020		G	GOOD	
<u>COMMENT:</u>									
	DECK PROTECTION	NOTAPPLICABLE	NONE						
COMMENT:									
	MEMBRANE	LIQUID SEALANT	BUILT-UP						
<u>COMMENT:</u>									
MAIN SERIES-2	WEARING SURFACE	ASPHALT	BITUMINOUS MAT	T 1 IN	2020			GOOD	
COMMENT:	WEARING SURFACE	ΑθΓΠΑLΙ	BII UMINOUS MAI	1 111	2020		G	WOOD	
COMMENT.									
	DECK PROTECTION	NOTAPPLICABLE	NONE						
<u>COMMENT:</u>									
	MEMBRANE	LIQUID SEALANT	BUILT-UP						
<u>COMMENT:</u>									
DRAINAGE COMPONENTS:									
	<u>COMPONENT</u>	MATERIAL	CONSTRUCTION	<u>DIRECTION</u>	<u>COMMENTS</u>				
	DRAINAGE	REINFORCED CONCRETE	CURB OUTLET	<u> </u>	<u> </u>				
EXPANSION DEVICE COMPO SUB UNIT-# SUB	<u>DNENTS:</u> <u>LABEL COMPONENT</u>	<u>MATERIA</u>	L CON	NSTRUCTION	GAP YEAR	R APPLIED MA	NUFACTURE	OVERALL CONDITION	
BENT-2	CLOSED EXPANSION JOIL			LLED JOINT					
<u>COMMENT:</u>									
BENT-3	CLOSED EXPANSION JOI	NT FELT	FL	LLED JOINT					
<u>COMMENT:</u>									
BANK/SLOPE PROTECTION O	COMPONENTS								
BANK/SLUFE FRUIECTION (	COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>				
	BANK PROTECTION	ROCK	BLANKET	ВОТН	COMMENTS				

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				***DECK	COMPONEN	TS***	
SPAN TYPE-# CO APPROACH SPANS-1 CONDITION DETERIORATION DETERIORATION TRANSVERSE CRACKS	<u>DMPONENT</u> DECK	MATERIAL  REINFORCED CONCRETE LOCATION 1  AT JOINTS AT OUTLETS THROUGHOUT	LOCATION .	_	Z <u>Com</u> <u>Severity</u> Minor Moderate Few	MENTS  MEASUREMENT	<u>COMMENT</u>
APPROACH SPANS-2 <u>CONDITION</u> DETERIORATION  DETERIORATION  TRANSVERSE CRACKS	DECK	REINFORCED CONCRETE LOCATION 1 AT JOINTS AT OUTLETS THROUGHOUT	LOCATION .	CAST-IN-PLACE	<u>SEVERITY</u> MINOR MINOR FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
APPROACH SPANS-3 <u>CONDITION</u> DETERIORATION  DETERIORATION  TRANSVERSE CRACKS	DECK	REINFORCED CONCRETE LOCATION 1 AT JOINTS AT OUTLETS THROUGHOUT	LOCATION .	_	<u>SEVERITY</u> MINOR MODERATE FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-4  CONDITION  DETERIORATION  DETERIORATION  EFFLORESCENCE  SATURATION  SPALLS  TRANSVERSE CRACKS	DECK	REINFORCED CONCRETE LOCATION 1 AT JOINTS AT OUTLETS THROUGHOUT THROUGHOUT THROUGHOUT THROUGHOUT THROUGHOUT	LOCATION .	]	SEVERITY  MINOR  MODERATE  MEDIUM  MODERATE  LARGE  FEW	MEASUREMENT 50 %	<u>COMMENT</u>
APPROACH SPANS-5 <u>CONDITION</u> DETERIORATION  DETERIORATION  TRANSVERSE CRACKS	DECK	REINFORCED CONCRETE LOCATION 1 AT JOINTS AT OUTLETS THROUGHOUT	LOCATION .	_	<u>SEVERITY</u> MINOR MODERATE FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
APPROACH SPANS-6 <u>CONDITION</u> DETERIORATION  DETERIORATION  TRANSVERSE CRACKS	DECK	REINFORCED CONCRETE LOCATION 1 AT JOINTS AT OUTLETS THROUGHOUT	LOCATION .	_	<u>SEVERITY</u> MINOR MODERATE FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
APPROACH SPANS-7  CONDITION  DETERIORATION  DETERIORATION  TRANSVERSE CRACKS	DECK	REINFORCED CONCRETE LOCATION 1 AT JOINTS AT OUTLETS THROUGHOUT	LOCATION .	_	<u>SEVERITY</u> MINOR MODERATE FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>

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# **Missouri Department of Transportation State Bridge Inspection Report**

FEW

COUNTY: SHANNON DISTRICT: SE CLASS: STATBR FED-ID: 5386 BRIDGE: J0420

REINFORCED CONCRETE CAST-IN-PLACE APPROACH SPANS-8 DECK **LOCATION 2 SEVERITY CONDITION LOCATION 1 MEASUREMENT COMMENT** DETERIORATION AT JOINTS MINOR DETERIORATION AT OUTLETS MINOR

THROUGHOUT

			***SUPERSTRUC	CTURE COMP	ONENTS***	
SERIES TYPE-#	SPAN TYPE	<u>MATERIAL</u>	<u>CONSTRUCTIO</u>		<u>LABEL</u>	<u>COMMENTS</u>
APPROACH SERIES-1	SIMPLE SPAN	REINFORCED CONCRETE	DECK GIR			(REHAGM, 01/29/2007)ALL SPANS - SUPER SHIFTED 1" - 21/2"
<u>SPAN</u>		<u>LENGTH</u> <u>WEATHER</u>				
APPROACH SPANS-1		54 FT 1 IN N	LOCATION 2	CEVEDITY	MEAGUDEMENT	COMMENT
<u>CONDITION</u> SPALLS	<u>Locatio</u> Diaphra		<u>LOCATION 2</u>	<u>SEVERITY</u> LARGE	<u>MEASUREMENT</u>	<u>COMMENT</u> (DENNIB1, 04/23/2018)REBAR HANGING FREE
SFALLS	DIAFHKA	IOMS		LARGE		(DENNIBI, 04/23/2016)REDAR HANGING FREE
A DDD C A CHI CDA NG 2	NON COMPOSITE	50 F/F ( D.I ) )				
APPROACH SPANS-2 CONDITION	NON-COMPOSITE <i>Locatio</i>	52 FT 6 IN N	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	COMMENT
SPALLS	DIAPHRA		LOCATION 2	LARGE	MEASUREMENT	COMMENT
SPALLS	GIRDER E			MEDIUM		
APPROACH SPANS-3	NON-COMPOSITE	51 FT 1 IN N	$\cap$			
CONDITION	LOCATIO		LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
SPALLS	DIAPHRA			LARGE		
MAIN SERIES-2	SIMPLE SPAN	REINFORCED CONCRETE	OPEN SPANDREL A	RCH		
SPAN		LENGTH WEATHER				
MAIN SPANS-4		155 FT 0 IN N				
<u>CONDITION</u>	<u>LOCATIO</u>	<u>ON 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<u>COMMENT</u>
DETERIORATIO				MINOR		(MADSEJ, 07/08/2016)ALL FLOORBEAMS.
REBAR EXPOSE				MODERATE		
SPALLS	BOTTO			LARGE		(MADSEJ, 07/08/2016) FLOORBEAMS 2 AND 8.
SPALLS	THROUGH	1001		LARGE		(MADSEJ, 07/08/2016)ARCH TOP AND BOTTOM EDGES
APPROACH SERIES-3	SIMPLE SPAN	REINFORCED CONCRETE	DECK GIR			
SPAN ADDRO A GLI GDANG 5		<u>LENGTH</u> <u>WEATHER</u>				
APPROACH SPANS-5 CONDITION	NON-COMPOSITE <i>Locatio</i>		LOCATION 2	SEVERITY	MEASUREMENT	<u>COMMENT</u>
SPALLS	DIAPHRA		LOCATION 2	LARGE	MEASUREMENT	COMMENT
SPALLS	THROUGH			MINOR		
APPROACH SPANS-6	NON-COMPOSITE	52 FT 6 IN N	$\cap$			
CONDITION	LOCATIO		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
SPALLS	DIAPHRA			LARGE		
SPALLS	ENDS			MODERATE		
APPROACH SPANS-7	NON-COMPOSITE	52 FT 6 IN N	0			
<u>CONDITION</u>	LOCATIO		LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
HIGH STEEL SPA	·			FEW		
SPALLS	DIAPHRA			LARGE		
SPALLS	ENDS	<u>S</u>		MODERATE		
Design No - 10420						

 $Design\_No = J0420$ 

MODOT

TRANSVERSE CRACKS

**COUNTY: SHANNON** 

NON-COMPOSITE

**DISTRICT: SE** 

54 FT 1 IN

REINFORCED CONCRETE

**LOCATION 1** 

TOP

**CLASS: STATBR** 

NO

**FED-ID: 5386** 

**BRIDGE: J0420** 

	<u>DITION</u> LLS	<u>LOCATION 1</u> DIAPHRAGMS		<u>everity</u> <u>measure</u> Large	<u>COMMEN</u>	
			\$\$\$CHECTHICTH	DE COMPONENTO + +	. <b>.</b>	
<b>BSTRUCTURE</b>	SKEW	LENGTH MATERIAL	CONSTRUCTION	RE COMPONENTS**  LABEL COMMENT		
ABUTMENT-1	<u>SKEW</u> RA-45 DEGREES	26 FT 3 IN REINFORCED CONCRETE	OPEN CONCRETE	LABEL COMMENTA	<u>2</u>	
ADOIMENT-I	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
4SSOCI ATE	ED COMPONENT	<u> </u>	CONSTRUCTION	<u>SEV ERITI</u>	MEASUREMENT	COMMENT
COLUMN	D COMI ONENI	REINFORCED CONCRETE	CAST-IN-PLACE			
COLOMIV	<b>CONDITION</b>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
STRAIGHT		REINFORCED CONCRETE	CAST-IN-PLACE	<del>22 / 2111 1</del>	1/12/10/01/12/12/1	<u></u>
SHUMOIH	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	COMMENT
	SPALLS	RANDOM	<u>========</u>	FEW		<u></u>
FOOTING	STILLS	REINFORCED CONCRETE	SPREAD	12		
	<b>CONDITION</b>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	COMMENT
BACKWAL		REINFORCED CONCRETE	CAST-IN-PLACE			
	<b>CONDITION</b>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	COMMENT
	SPALLS	BOTTOM		MODERATE		(DENNIB1, 04/23/2018)STEEL SHOWING & DETERIORATED
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<b>CONDITION</b>	LOCATION 1	<u>LOCATION 2</u>	<b>SEVERITY</b>	<b>MEASUREMENT</b>	<u>COMMENT</u>
EXPANSION	N BEARING	BRONZE	SLIDING CURVED/FL.			
	<b>CONDITION</b>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	COMMENT
	<u>CONDITION</u> ED COMPONENT	<u>LOCATION 1</u> <u>MATERIAL</u>	<u>LOCATION 2</u> <u>CONSTRUCTION</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	G 0.112	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>
T0.0 TD 10	VERTICAL CRACK		222 T. 12	FEW		
FOOTING	CONDITION	REINFORCED CONCRETE	SPREAD	CEL/ED/MY	ME ACUDEMENT	COMMENT
DE LLC CLD	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE	CELEDIAN	ME ACUDEMENT	COMMENT
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
	HONEY COMBS	BOTTOM BOTTOM		MINOR		
TIE BEAM	SPALLS	REINFORCED CONCRETE	CAST-IN-PLACE	MEDIUM		
HE DEAM	<b>CONDITION</b>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
DIAPHRAG		REINFORCED CONCRETE	CAST-IN-PLACE	<u>SL7 LKII I</u>	MENT	COMMINITE STATE OF THE STATE OF
DIAITIKAU	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
EXPANSION		BRONZE	SLIDING CURVED/FL		MENTE	COMMINI
EATANSIO	CONDITION	LOCATION 1	LOCATION 2	SEVERITY	<u>MEASUREMENT</u>	COMMENT
	COMMITTON	<u> Locaron I</u>	DOCATION 2	SLI LIII I	MILINGUILINI	COMMENT.
BENT-3	RA-45 DEGREES <u>CONDITION</u>	25 FT 10 IN REINFORCED CONCRETE LOCATION 1	MULTIPLE COLUMN <u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATE</u>	ED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>			

COLUMN

**CONDITION** 

VERTICAL CRACKS

MODOT

APPROACH SPANS-8

**SEVERITY** 

FEW

MEASUREMENT COMMENT

CAST-IN-PLACE

**LOCATION 2** 

**COUNTY: SHANNON DISTRICT: SE CLASS: STATBR FED-ID: 5386 BRIDGE: J0420** SPREAD **FOOTING** REINFORCED CONCRETE **CONDITION SEVERITY** MEASUREMENT COMMENT LOCATION 1 LOCATION 2 **CAST-IN-PLACE** BEAM CAP REINFORCED CONCRETE **CONDITION** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **LOCATION 1 DELAMINATION THROUGHOUT FEW** TIE BEAM REINFORCED CONCRETE CAST-IN-PLACE **CONDITION SEVERITY** LOCATION 1 LOCATION 2 **MEASUREMENT COMMENT EXPANSION BEARING BRONZE** SLIDING CURVED/FLAT PLA **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> PIER-4 RA-45 DEGREES 25 FT 0 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION SEVERITY** LOCATION 1 **LOCATION 2** MEASUREMENT **COMMENT** ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** COLUMN REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT HONEY COMBS **MODERATE BOTTOM** REBAR EXPOSED **THROUGHOUT MODERATE SPALLS BOTTOM MODERATE** VERTICAL CRACKS **FEW** TOP **FOOTING** REINFORCED CONCRETE SPREAD LOCATION 2 **CONDITION LOCATION 1 SEVERITY** MEASUREMENT COMMENT BEAM CAP REINFORCED CONCRETE **CAST-IN-PLACE CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **DELAMINATION MODERATE** THROUGHOUT **SPALLS** THROUGHOUT **MEDIUM SPALLS MEDIUM** TOP TIE BEAM REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **EXPANSION BEARING BRONZE** SLIDING CURVED/FLAT PLA **CONDITION LOCATION 1 LOCATION 2 SEVERITY COMMENT** MEASUREMENT DIAPHRAGM REINFORCED CONCRETE **CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT **COMMENT** PIER-5 RA-45 DEGREES 25 FT 0 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 **SEVERITY LOCATION 2** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** REINFORCED CONCRETE COLUMN CAST-IN-PLACE **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY COMMENT** MEASUREMENT **FOOTING** REINFORCED CONCRETE **SPREAD CONDITION SEVERITY** LOCATION 1 LOCATION 2 *MEASUREMENT* **COMMENT** BEAM CAP REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 2 **SEVERITY** MEASUREMENT **LOCATION 1 COMMENT** HORIZONTAL CRACKS RANDOM **FEW** TIE BEAM REINFORCED CONCRETE CAST-IN-PLACE **CONDITION SEVERITY LOCATION 1** LOCATION 2 **COMMENT** *MEASUREMENT* **EXPANSION BEARING** BRONZE SLIDING CURVED/FLAT PLA **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** REINFORCED CONCRETE CAST-IN-PLACE DIAPHRAGM **CONDITION LOCATION 1 LOCATION 2** SEVERITY MEASUREMENT COMMENT BENT-6 RA-45 DEGREES 25 FT 10 IN REINFORCED CONCRETE MULTIPLE COLUMN

MoDOT

**COUNTY: SHANNON DISTRICT: SE CLASS: STATBR FED-ID: 5386 BRIDGE: J0420** LOCATION 2 SEVERITY MEASUREMENT COMMENT **CONDITION** LOCATION 1 ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** COLUMN REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **SPALLS THROUGHOUT** MINOR FOOTING REINFORCED CONCRETE **SPREAD CONDITION** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **LOCATION 1** BEAM CAP REINFORCED CONCRETE **CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT** TIE BEAM REINFORCED CONCRETE **CAST-IN-PLACE CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **EXPANSION BEARING BRONZE** SLIDING CURVED/FLAT PLA **SEVERITY CONDITION** LOCATION 1 **LOCATION 2** MEASUREMENT **COMMENT** BENT-7 *RA-45 DEGREES* 25 FT 10 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** COLUMN REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT VERTICAL CRACKS **RANDOM FEW FOOTING** REINFORCED CONCRETE SPREAD **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** CAST-IN-PLACE BEAM CAP REINFORCED CONCRETE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT HONEY COMBS **BOTTOM** MINOR TIE BEAM REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT SPALLS** TOP **FEW EXPANSION BEARING BRONZE** SLIDING CURVED/FLAT PLA **SEVERITY CONDITION** LOCATION 1 **LOCATION 2** MEASUREMENT **COMMENT** BENT-8 RA-45 DEGREES REINFORCED CONCRETE 25 FT 10 IN MULTIPLE COLUMN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION COLUMN** REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 2 **SEVERITY** MEASUREMENT **LOCATION 1 COMMENT FOOTING** REINFORCED CONCRETE SPREAD **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT **COMMENT** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT COMMENT **DETERIORATION ENDS** MINOR HORIZONTAL CRACKS **BOTTOM MEDIUM** TIE BEAM REINFORCED CONCRETE CAST-IN-PLACE **LOCATION 2 SEVERITY CONDITION** LOCATION 1 MEASUREMENT **COMMENT EXPANSION BEARING BRONZE** SLIDING CURVED/FLAT PLA **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT **COMMENT** ABUTMENT-9 RA-45 DEGREES REINFORCED CONCRETE OPEN CONCRETE 26 FT 3 IN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** COLUMN REINFORCED CONCRETE CAST-IN-PLACE

MoDOT

August 05, 2024 7:23:54AM

**COUNTY: SHANNON DISTRICT: SE CLASS: STATBR FED-ID: 5386 BRIDGE: J0420** <u>MEASUREMENT</u> <u>COMMENT</u> CONDITION LOCATION 1 **LOCATION 2** SEVERITY STRAIGHT WINGS REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT  $(RACKEM,\,11/25/2008)\text{--}SOUTHWEST$ DIAGONAL CRACKS **THROUGHOUT** MINOR BACKWALL REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** <u>MEASUREMENT</u> **COMMENT** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY MEASUREMENT COMMENT** HORIZONTAL CRACKS TOP **MEDIUM FOOTING** REINFORCED CONCRETE TIMBER PILE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> **EXPANSION BEARING BRONZE** SLIDING CURVED/FLAT PLA **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT

\*\*\*OVER/UNDER ROUTES CLEARANCE INFORMATION\*\*\*

**CLEARANCES OVER DECK** 

MODOT

\*\*NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

**VERTICAL CLEARANCE TYPE\*\*** 

**VALUE** 

**DIRECTION** 

DATE

COMMENT

CLEARANCES UNDER BRIDGE

\*\*NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

RECORD # **ROUTE** RND SPRGCAV RD PRK

**PAINT TYPE:** 

**PAINT COLOR:** 

**PAINT YEAR:** 

NAME:

MILS:

**# LANES** 2 2-WAY TRAF

**DIRECTION OF TRAFFIC** RIGHT LATERAL CLEARANCE

5 FT 0 IN

VERTICAL CLEARANCE TYPE\*\* **ACTUAL** 

**VALUE** 20 FT 2 IN

**DIRECTION** 

**DATE** 01/20/2004 **COMMENT** 

\*\*\*STRUCTURE PAINT INFORMATION\*\*\*

**CONDITION: RUST AMOUNT:** STEEL TONS: 0

> **ORIGINAL PAINT CONTRACT REPAINT**

**PAINT TYPE:** NAME: **PAINT COLOR:** 

**PAINT YEAR:** MILS: **PAINT TYPE:** NAME:

**LEFT LATERAL CLEARANCE** 

**PAINT COLOR: PAINT YEAR:** MILS:

**DEPARTMENT REPAINT** 

**MANUFACTURE:** 

**SURFACE PREP:** 

**UR-ID** 

95015

Design\_No = J0420



August 05, 2024 7:23:54AM

COUNTY: SHANNON

DISTRICT: SE

CLASS: STATBR

FED-ID: 5386

**BRIDGE: J0420** 

COUNTY: S	HANNON	DISTRICT: SE	CLASS: STA	IRK	F	ED-1D: 5386	BRIDGE: J0420	)		
			***RE	QUESTED WO	RK ITEMS	S***				
GENERAL WORK COMMENTS										
RESPONSIBILITY	LOCATION	ITEM	CATEGORY	PRIORITY	DATE	WORK ITEM COMMENT	7			
RESPONSIBILITI	LUCATION	II EW	CATEGORI	PRIORITI	DAIL	WOKK HEM COMMENT				
	***UTILITY ATTACHMENTS***									
UTILITY	<b>OWNER</b>	<i>METHOD</i>	MEASUREMENT TYPE	VALUE	NUM	BER UTILITY ATTAC	HMENT COMMENT			
			***DD00	DAM NOTES II	NEODMAT	YON+++				
	***PROGRAM NOTES INFORMA									
YEAR PROJECT # MONTH LET YEAR LET ITEMS 2026 9P3814 0 2026 REPLACE BRIDGE						<u>COMMENT</u>				
2020 91 3014	0 2020	REI LACE DRIDGE								
***C(	MPUTER GENER	ATED RATINGS AND D	EFICIENCY ITEMS***				***ADVANCED	SIGN INFORMATION*	**	
NOTE: The items listed in this section	n are updated whenever co	mputer edits are ran on a struct	ure after the inspection updates h	ave been entered in	to TMS.	SIGN#	SIGN TYPE	PROBLEM	PROBLEM DIRECTION	
Rated Item		Rating	<b>Rating Date</b>			1				
[Item 67] Structure Evaluation Ratin	8	IMUM TOLERABLE	12/17/2022							
[Item 68] Deck Geometry Rating:		Y INTOL CORRECT	3/6/2024							
[Item 69] Underclearance:		IMUM TOLERABLE	12/10/2014							
Sufficiency Rating: Deficiency:		19.4% UCTURAL	3/6/2024 12/17/2018							
Funding Eligibility:		FULL	12/1//2016		-				NNT-de-de-de	
Estimated New Structure Length:		548 FT.	<del></del>		_		***OUTFALL INSI	PECTION INFORMATIO	N***	
Estimated New Structure Length:  Estimated Structure Cost:		,177,852	<del></del>			# OUTFALLS:	IN	SPECTOR:		
Estimated Total Project Cost:		,766,778				STATUS:		DATE:		
Year of Cost Estimate:		2024				NOTES:				
NOTE: The above structure length and	cost estimates are compu	er generated using algorithims	in the TMS system. These algort	thims are						
generalized to use NBI items to come u	p with a new structure len	gth and width to calculate a nev	area which is taken times a repr	esentative cost per						
square foot. The actual structure size an	nd cost may vary significa	ntly from these numbers once s	ite specific engineering is done.							





COUNTY: SHANNON J0420 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 3/15/2024 2024 ROUTE CARRIED 'ON' STRUCT **RECORD TYPE: RUN DATE: SUBMITTAL YEAR:** GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION ROUTE CARRIED 'ON' STRUCT State MISSOURI 5A Record Type MO District 5B SE Route Signing Prefix SHANNON MAINLINE County 5C Designated Level of Service 00019 5386 8 Federal ID No. 5D Route Number 1930 NOT APPLICABLE 27 5E Year Built Directional Suffix MO 19 S 106 0 7 Year Reconstructed Facility Carried YES HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 000000054 21 Structure Maintenance 13A LRS Inventory Route No. 00 STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN Toll Status ON FREE ROAD Br. Median Code 20 06-RURAL MINOR ARTERIAL 37 Historical Significance POSSIBLY ELIG NR OF HP 26 Functional Classification NONE EXISTS 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 RTE NOT A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length YES NOT ON NHS National Highway System 104 NOT APPLICABLE 105 Federal Lands Highway 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 416 4 Place **EMINENCE** 29 AADT 22294 2023 Code 30 AADT Year 2-WAY TRAFFIC S 20 T 30 N R 4 W Location 102 Direction of Traffic 11 Milepoint 197.63 miles 19% 109 AADT Truck Percent 16 Latitude 37 D 16 M 55 S 624 114 Future AADT 17 Longitude 91 D 24 M 34 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION 6 RND SPRGCAV RD PRK, SP 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY-WATERWAY 19 55.63 miles Type of Service Under By pass Detour Length 02 28B Lanes Under Structure 32 Approach Roadway Width 21 Ft. 12 In. HIGHWAY 45.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B NO Vert. Clearance 35 Struct. Flared 20 Ft. 2 In. Rt. Lat Clear Ref. HIGHWAY Total Horiz. Clear 20 Ft. 0 In. 55A 47 55B Rt. Lat Clearance 4 Ft. 11 In. 48 Maximum Span Length 154 Ft. 10 In. 522 Ft. 12 In. Left Lat Clearance 0 Ft. 0 In. 49 Structure Length PERMIT NOT REQ Navigation Control 50A 0 Ft. 0 In. Left Curb/Sidewalk Width Nav Vertical Clear 0 Ft. 0 In. 39 50B Right Curb/Sidewalk Width 0 Ft. 0 In. 0 Ft. 0 In. Curb to Curb Br. Width 20 Ft. 0 In. 40 Nav Horizontal Clear 51 22 Ft. 12 In. Nav. Pier Protection Deck Width (Out-Out) 111 52 99 Ft. 99 In. Nav. Cl. Vert. Clear 53 Vert.Clearance Over Deck





COUNTY: SHANNON BRIDGE: J0420 REVIEW STATUS: APPROVED NBI STATUS: T

RECORD TYPE: ROUTE CARRIED 'ON' STRUCT RUN DATE: 3/15/2024 SUBMITTAL YEAR: 2024

Design\_No = J0420 and Inventory\_Appraisal\_Submittal\_Year = 2024





COUNTY: SHANNON J0420 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 3/15/2024 2024 ROUTE 'UNDER' STRUCT **RECORD TYPE: SUBMITTAL YEAR: RUN DATE:** GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION ROUTE 'UNDER' STRUCT State Code: 2 MISSOURI 5A Record Type CRD District 5B SE Route Signing Prefix SHANNON MAINLINE County 5C Designated Level of Service 00000 5386 8 Federal ID No. 5D Route Number 1930 NOT APPLICABLE 27 5E Year Built Directional Suffix MO 19 S 106 0 Year Reconstructed 7 Facility Carried HIGHWAY Type of Service On 12 Base Hwv. Network Structure Maintenance 13A LRS Inventory Route No. 22 Structure Owner 13B Subroute No. 33 Toll Status ON FREE ROAD Br. Median Code 20 09-RURAL LOCAL 37 Historical Significance 26 Functional Classification NONE EXISTS 02 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 RTE NOT A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length NOT ON NHS National Highway System 104 105 Federal Lands Highway NO 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 200 4 Place **EMINENCE** 29 AADT 22294 2022 Code 30 AADT Year 2-WAY TRAFFIC S 20 T 30 N R 4 W Location 102 Direction of Traffic 11 Milepoint 0.00 miles 10% 109 AADT Truck Percent 16 Latitude 37 D 16 M 55 S 114 Future AADT 17 Longitude 91 D 24 M 34 S 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION RND SPRGCAV RD PRK 10 20 Ft. 2 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY-WATERWAY 19 By pass Detour Length 0.00 miles Type of Service Under 02 28B Lanes Under Structure 32 Approach Roadway Width 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 35 Struct. Flared Rt. Lat Clear Ref. Total Horiz. Clear 29 Ft. 10 In. 55A 47 55B Rt. Lat Clearance 48 Maximum Span Length 154 Ft. 10 In. 522 Ft. 12 In. Left Lat Clearance 49 Structure Length Navigation Control 50A Left Curb/Sidewalk Width Nav Vertical Clear 39 50B Right Curb/Sidewalk Width 40 Nav Horizontal Clear 51 Curb to Curb Br. Width Nav. Pier Protection Deck Width (Out-Out) 111 52 Nav. Cl. Vert. Clear 53 Vert.Clearance Over Deck



August 5, 2024 7:18:02am

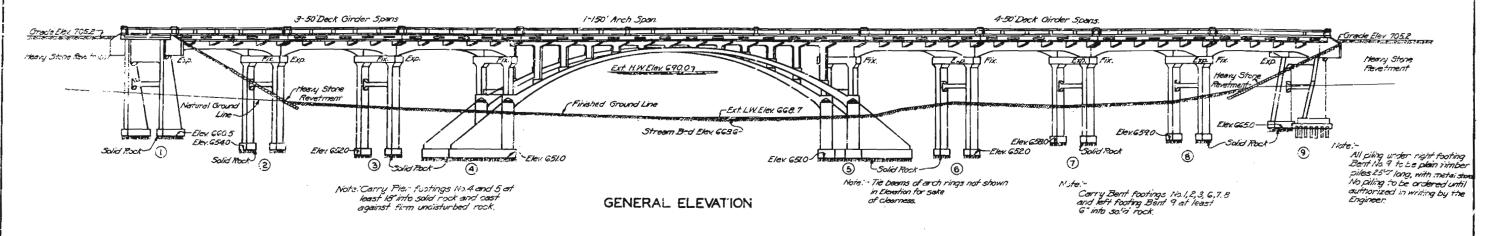
COUNTY: SHANNON BRIDGE: J0420 REVIEW STATUS: APPROVED NBI STATUS: T

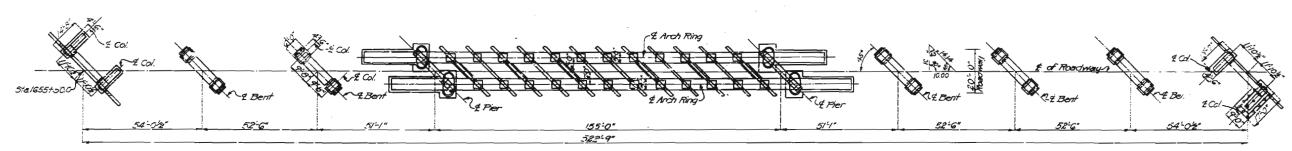
RECORD TYPE: ROUTE 'UNDER' STRUCT RUN DATE: 3/15/2024 SUBMITTAL YEAR: 2024

LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
LOAD RATING AND POSTING INFORMATION  31 Design Load 41 Structure Status 63 Oper. Rating Meth. 64 Operating Rating 65 Inventory Rating Meth 66 Inventory Rating 70 Bridge Posting Code  PROPOSED IMPROVEMENT INFORMATION  Sufficiency Rating Deficiency Rating Funding Eligibility  75A Proposed Work 75B Work Done By 76 New Struc Length 94 Struc Improve Cost	43A Main Struc. Mat type CONCRETE  43B Main struc Constr. Type ARCH - DECK  45 # of Main Spans  44A Appr Struc. Mat type  44B Appr Struc. Cnstr. type  46 # of Approach Span  107 Deck Mat/Constr.  108A Wear Surf Mat/Constr.  108B Membrane Mat/Constr.  108C Deck Protect Mat/Constr.  CONDITION RATING INFORMATION  58 Deck Cond. Rating  59 Superstructure Cond. Rating  60 Substructure Cond. Rating
95 Roadway Improve Cost 96 Total Project Cost 97 Year of Cost Estimates  APPRAISAL RATING INFORMATION	61 Channel /Channel Protection Cond. Rating  62 Culvert Cond. Rating  INSPECTION INFORMATION  90 Gen. Insp Date  91 Gen. Insp. Frequency
36A Br. Rail App. Rating 36B Transition Rail App. Rating 36C Approach Rail App. Rating 36D Rail End Treat. App. Rating 67 Struc Eval App. Rating 68 Deck Geometry App. Rating 69 Underclearance App. Rating	92A Frac. Critical Inspection 93A Frac. Critical Insp. Date 92B Underwater Inspection 93B Underwater Insp. Date 92C Special Inspection 93C Special Inspection Date
71 Waterway Adeq. App. Rating 72 Approach Road App. Rating 113 Scour Assess App. Rating  APPROVED POSTING INFORMATION	BORDER BRIDGE INFORMATION  98 Neighboring State Code 98B Neighboring State % Respon 99 Neighboring State Struc. No.  FIELD POSTING INFORMATION
Approved Posting Category  Ton1 Ton2 Ton3  Tonnage Values for Posting Sign  General Text for Posting Sign	Field Posting Category  Ton 1 Ton 2 Ton 3  Tonnage Values for Posting Sign  General Text for Posting Sign

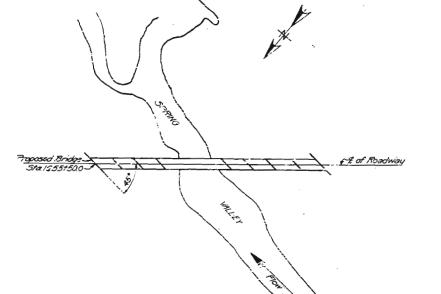
## MISSOURI STATE HIGHWAY DEPARTMENT

FET. ROAD STATE FID. ALC FISCAL SHEET TOTAL SHEET TOTAL SHEETS MC P.A-535 13





#### **PLAN**



LOCATION SKETCH

		Conci	rete Cu	Yds.
		C655 H	Closs X"	C/2052
ria drails.		498		
Deck Girder Suans 1-2; 2-3,-3-4, 56, 6	7,788899		636.3	
Slab and Curbs over Arch Span			116.0	
Arch Rings				153.6
Piers above Elev. G79.29			i –	44.6
Piers below: Elev. G7929				497.0
Spandrel Bents				61.0
Girder Berts				440.0
Totals		49.8	752.3	1197.4
Phosphor Branze Bearing Flates	Lbs			GZGO
Exceivation Class /	Cu.Yds			360
Excavation Class 2	Cu Yob			2095
Plain Timber Files	Lin. Ft.			435
Plain Timber Pile Cut-Offs	Lin Ft.			45
Reinforcing Steel	Lbs.		24	4,000

Excavation below Elev. G72.1: is to be paid for as Class 2 excavation.

Ext. HW Elev 69007 Fill under and in front of end 🞧 Heen: Stone Flex nts to be firmly temped 12 to 15tope

FRONT OF END BENTS

SIDE SLOPES OF FILL

Protect fills at ends of bridge as shown in sketches. Approximately 980 sq yds. of Heavy Stone Revetment

SKETCH SHOWING STONE REVETMENT

#### GENERAL NOTES:

Concrete in handrail to be Class "A", all deck girders. Class "X", slab and curbs over arch span. Class "X" and all girder bentis piers, spandral bunts and and rings. Class "B". Concrete shall be proportioned by

the weight proportioning mathed. See Specifications.

Exposed surfaces to be rubbed to a smooth and uniform appearance.

Arch shall be poured in radial blocks in the order indicated on the detail drawings. Corresponding sections in both ribs of span shall be poured at the

Columns over arch shall not be cast until after wedges under ring

Provision must be made in the arch centering to bring loading upon all points of the ring as nearly simultaneously as practical in removing

centering.
The centering shall not be removed from the span until the concrete over it has reached the required strength.

No permanent camber desired in finished spans. Where bituminous fett is used in expansion or partition joints in concrete, stitch felt in vertical joint securely to one face of concrete with copper

wire.

Horizontal expansion joints in slab on arch span to consist of 3 layers of rooting telt applied on smoothly finished surfaces.

Two Name Plates, type "A" as shown on 5td 5-818 to be furnished and placed by contractor. Cost of name plates to be included in price bid for other items.

Excevarian in ecocordance with Section I of Standard Specifications in the stall of 1820 agreed that the formation of the facility 1820 agreed that the facility 1820 agreed the facility 1820 agreed that the facility 1820 agreed the facility 1820 agreed that the facility 1820 agreed the facility 1820 agreed that the facility 1820 agreed that the facility 1820 agreed that the facility 1820 agreed the facility 1820 agreed that the facility 1820 agreed the facility 1820 agreed that the facility 1820 agreed the facility 1820 agreed the facility 1820 agreed that the facili

Exceleration in excerce with Section 1 or Statesford Specifications issued April I, 1930 except that excention paid for will be computed from extreme L.W. Eler. GG8.1 where existing ground line is below this elevation and will include actual removal of any material lying within such plan limits as shown for Piers No. 4 and 5 on Sheet No. 4 of design plans instead of allowing quantities to only 18"out-side of footings. See Special Provisions.

Exposed edges shall be beveled & where no other bavel is noted.

#### INDEX OF SHEETS:

Sheet No. | General Elevation and Plan. Sheet No.2 Bill of Reinforcing Steel & Bento No. 2, 3, 6, 7 & 8. Sheet No.3 Details of Bents No.189 Sheet No.4 Details of Piers No.485. Sheet No.5 Details of Deck Girder Spans 1-2, 2-3, G-7, 7-8 & 8-9. Sheet No. 6 Details of Dest Girder Spans 3-4 85-6 Sheet No.7 Exercises and Plan of Arch Ring. Sheet No.8 Details of Arch Span.

BM Eley 67939 Head Spite in base of 20" Elm 85 Rt. Sta. 1659+30.

#### BRIDGE OVER SPRING VALLEY

STATE ROAD FROM SALEM TO EMINENCE ABOUT 22.3 MILES NORTH OF WINONA

PROJECT NO. RI9-S35

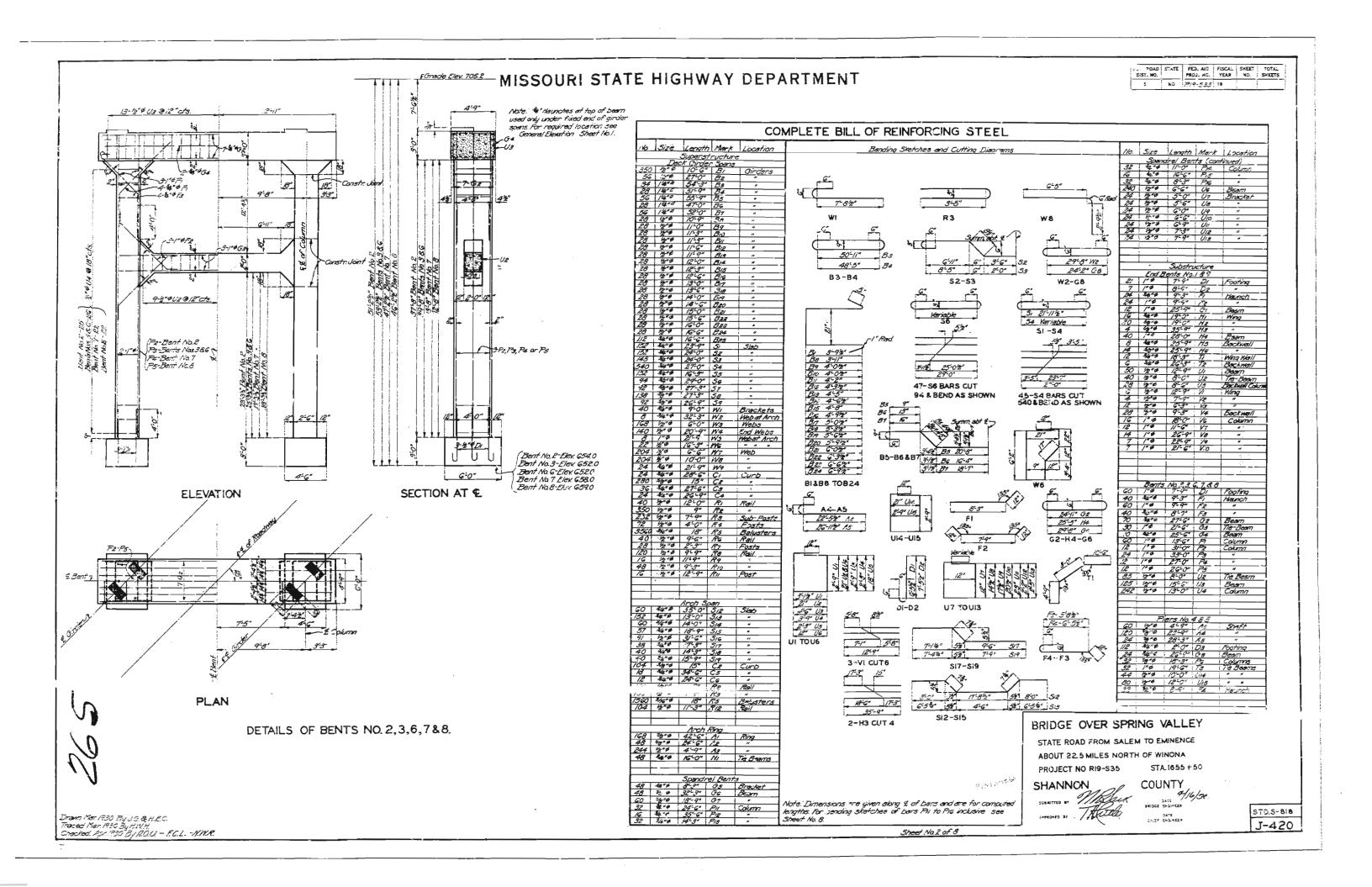
SHANNON

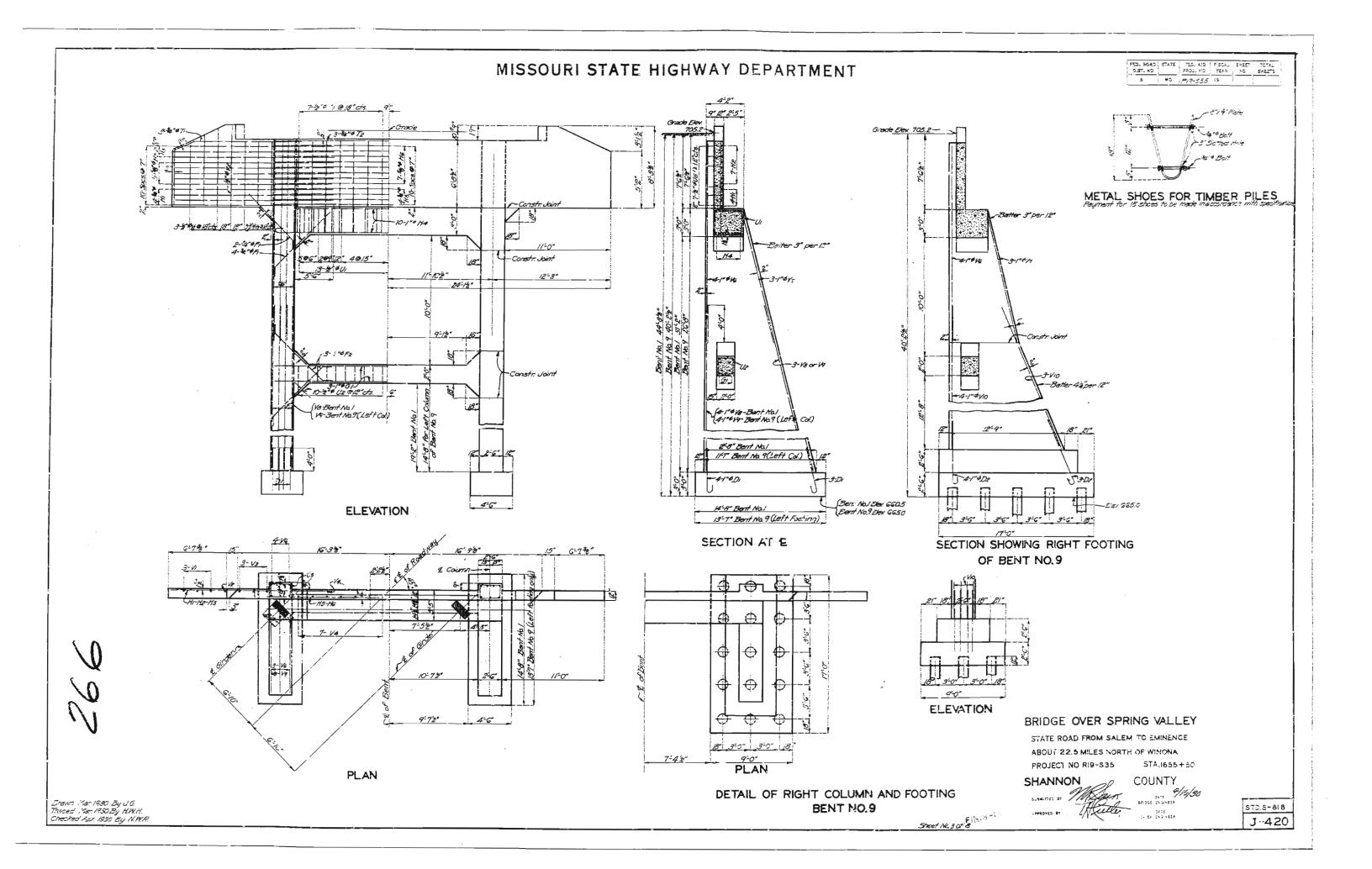
COUNTY

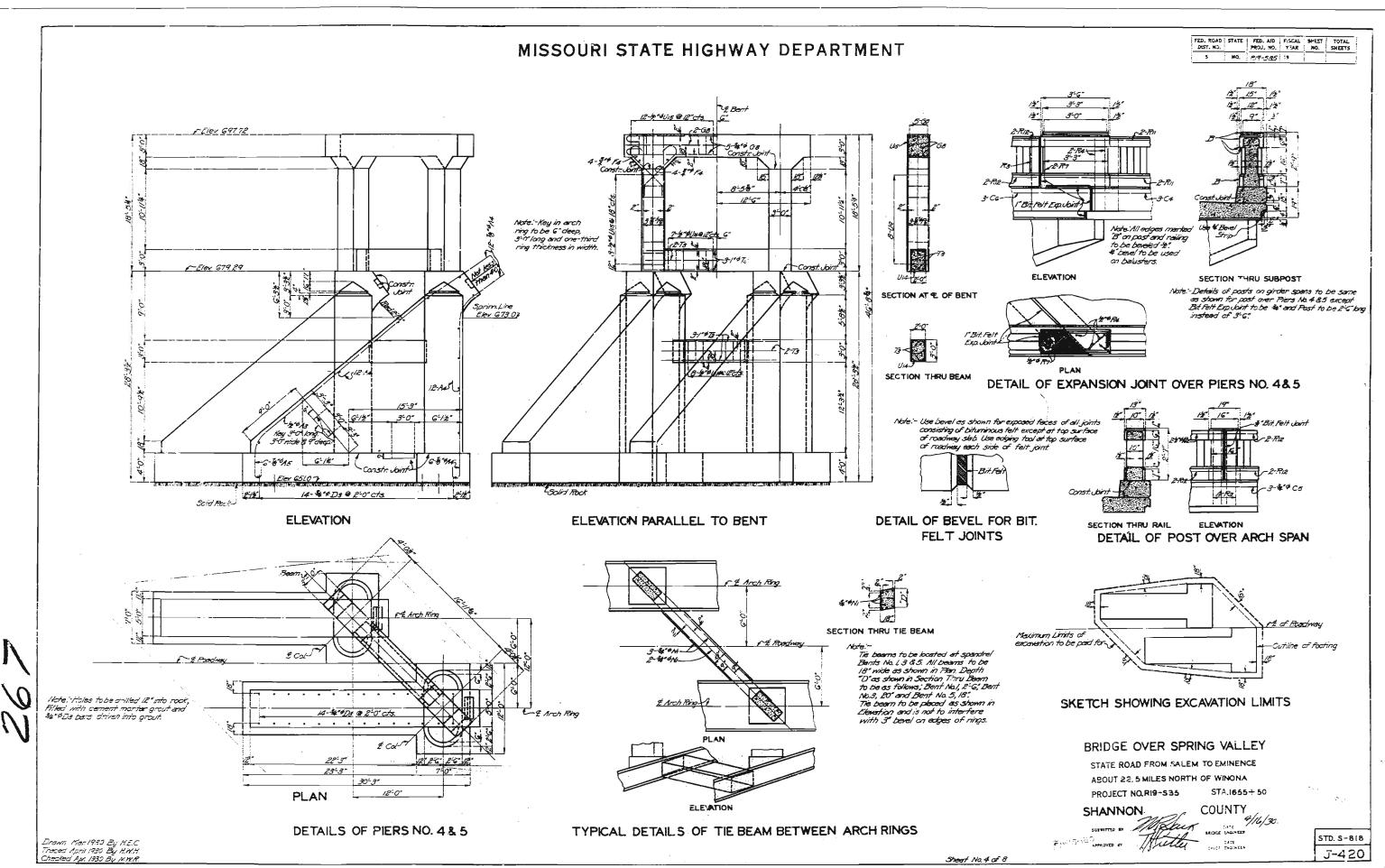
STA.1655 + 50

STD.S-818 J-420

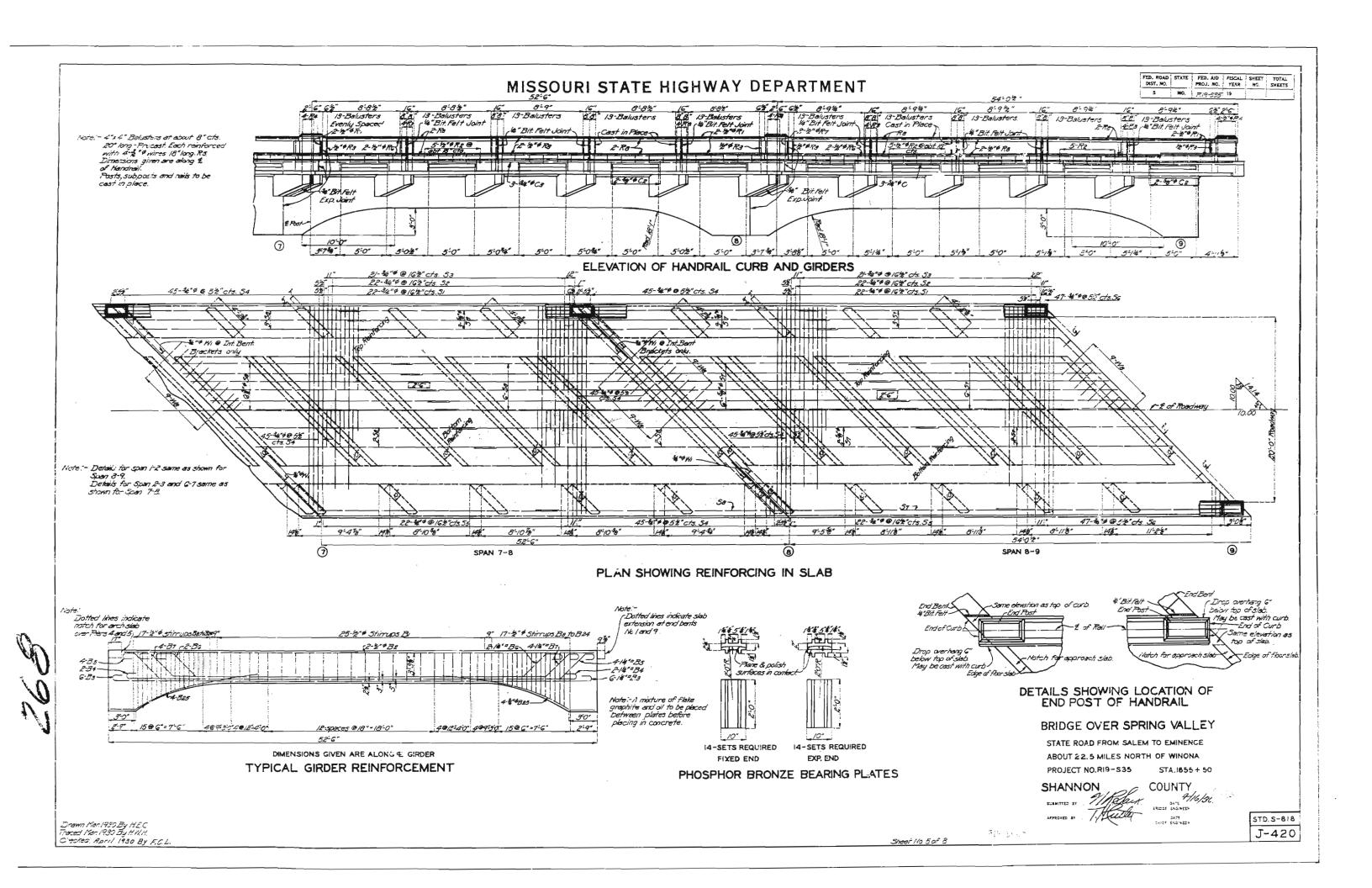
Drawn Mar. 1930 By H.E.C. Traced Mar. 1930 By HWH Chacked Apr. 1990 By N.W.R.

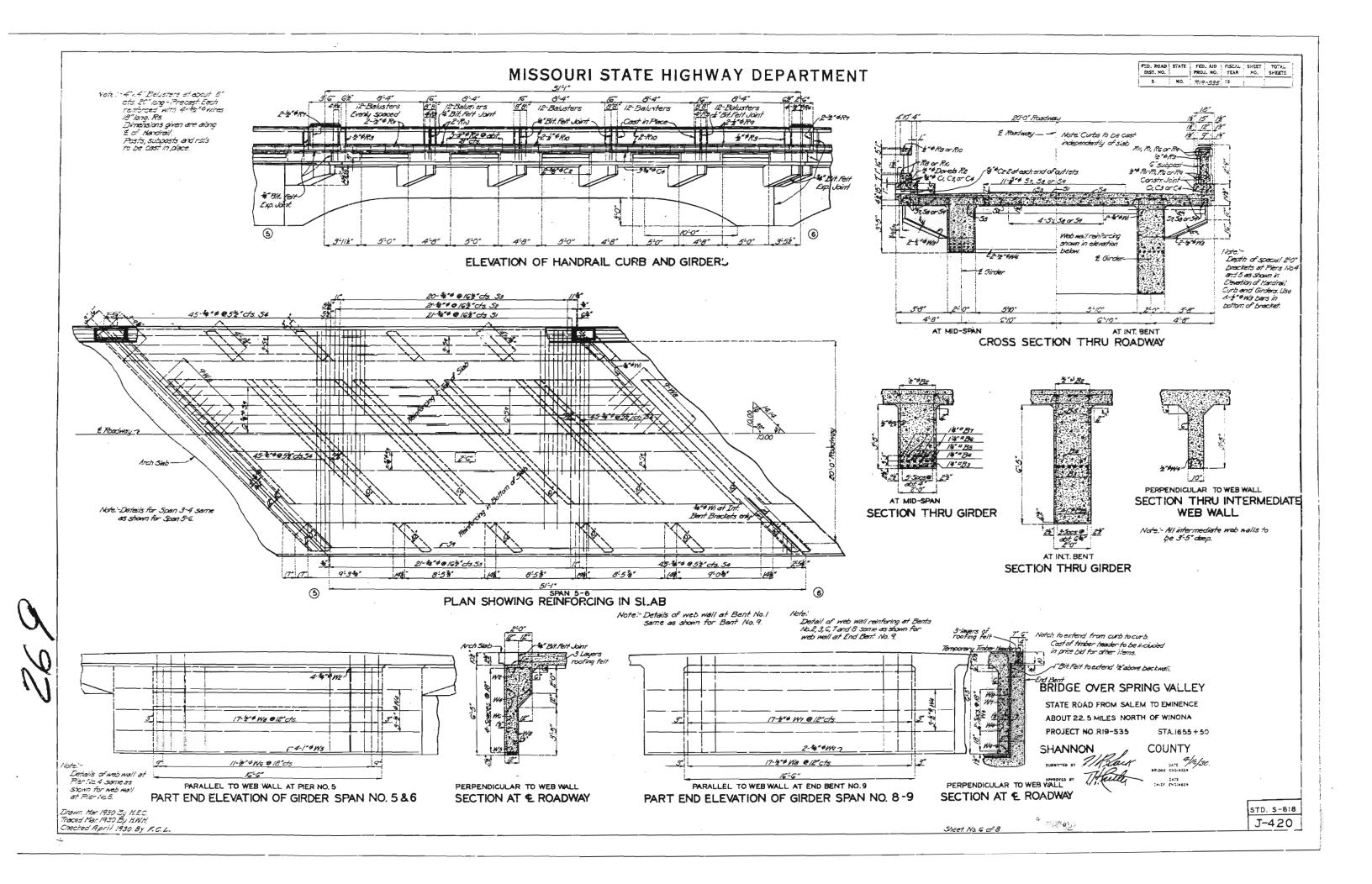


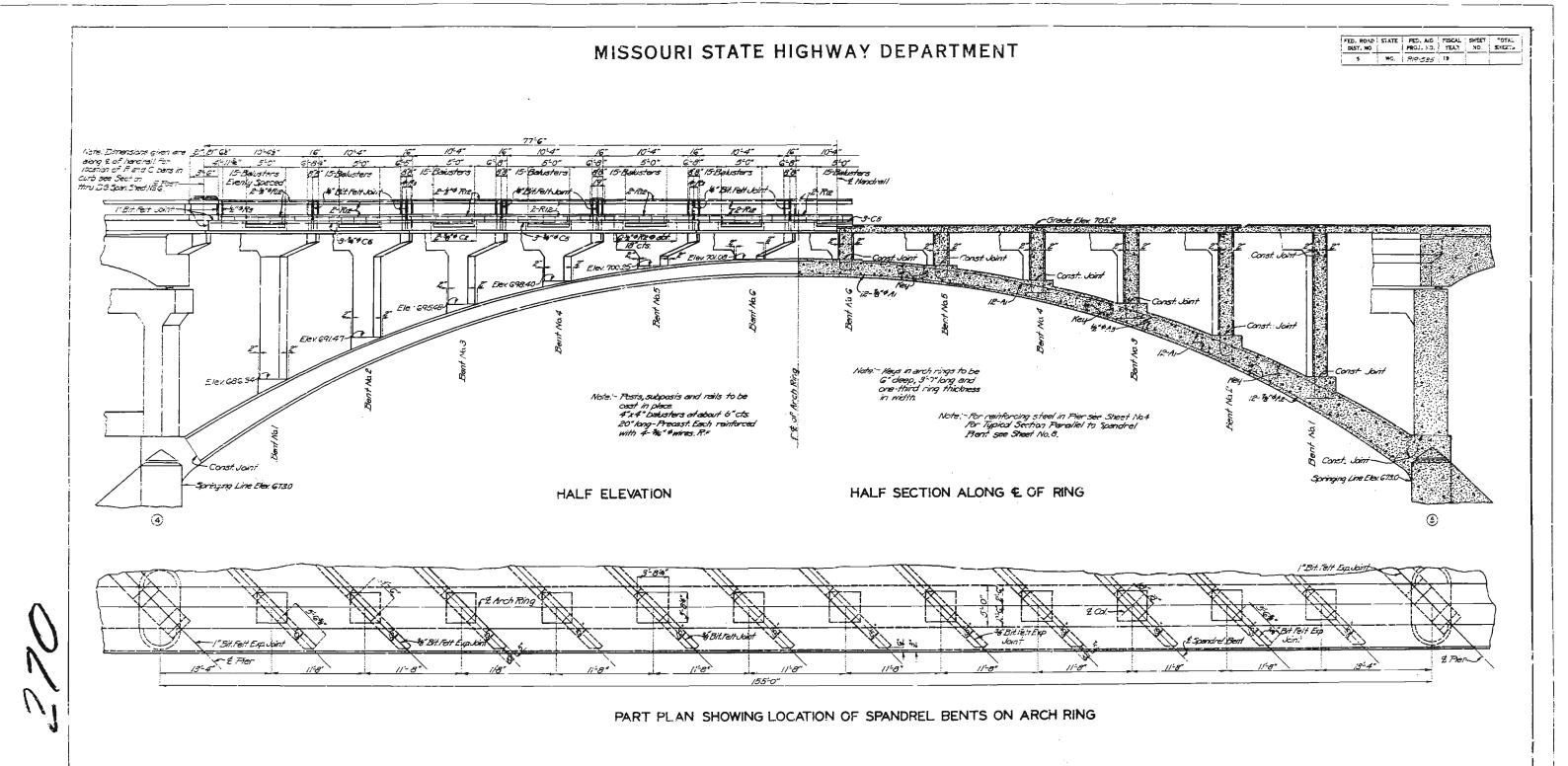




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STATE ROAD FROM SALEM TO EMINENCE ABOUT 22.5 MILES NORTH OF WINONA PROJECT NO. RI9-535 STA. 1655 + 50

SUPPLIED BY MINUTED STATE SHOOLE ENGINEER DATE

MINUTED BY MINUTED SATE

MINUTED STATE

MINUTED

STD.S-818

J-420

Drawn (far.1930 By H.E.C. Traced Mar.1930 By H.VI.H. Chedred Apr. 1930 By M.W.R.

के विकास

Sneet No. 7 of 8

