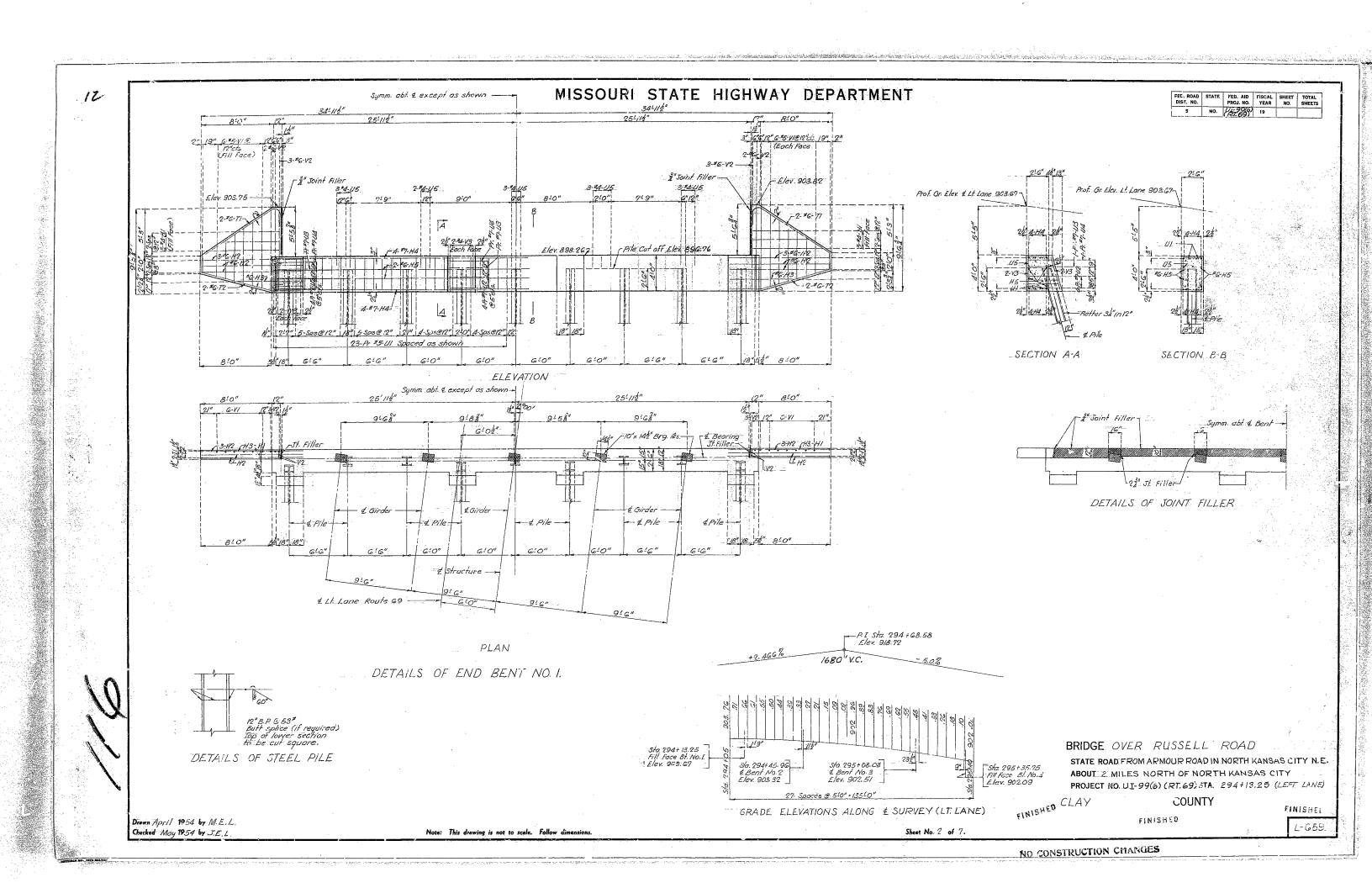
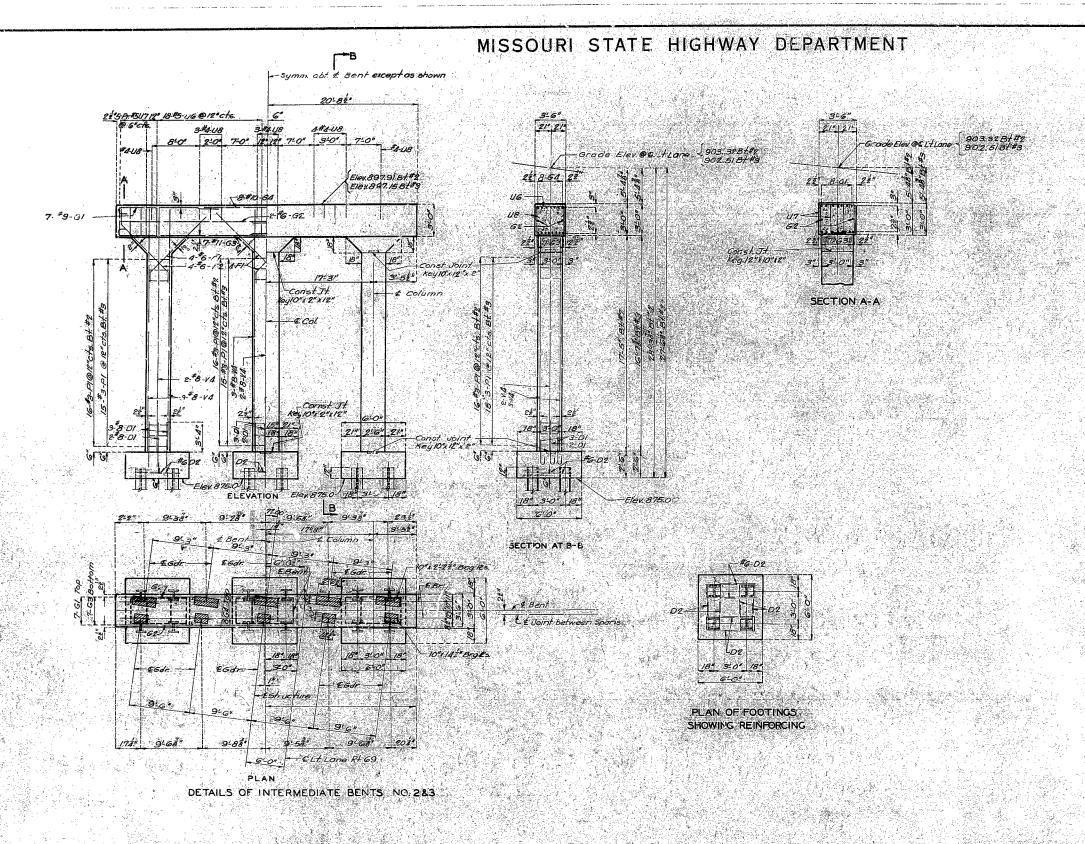


18 A

SEE FINAL PLANS BROWN-LINES





JRIDGE OVER RUSSELL ROAD

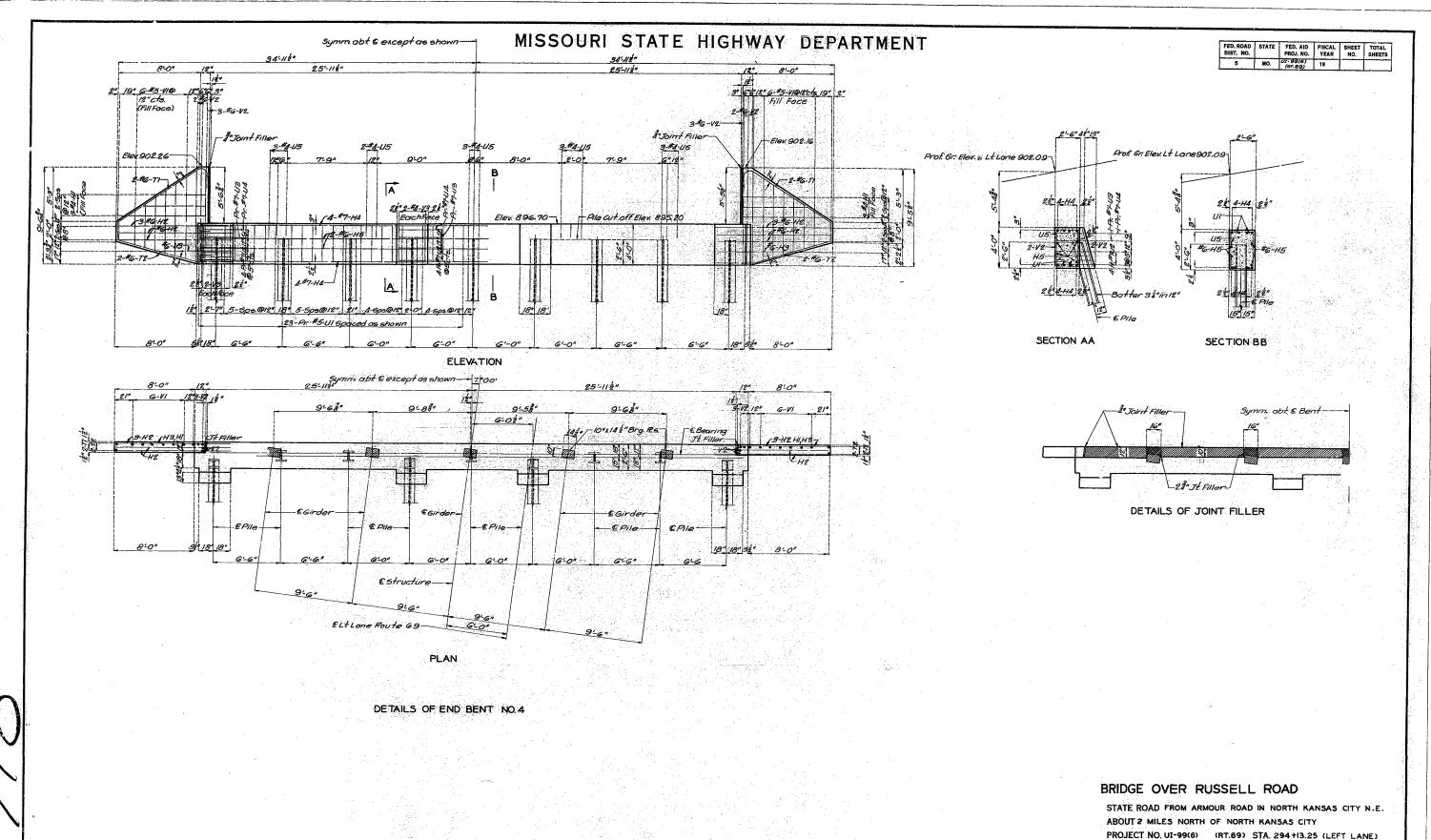
STATE ROAD FROM ARMOUR ROAD IN NORTH KANSAS CITY N. S. ABOUT 2 MILES NORTH OF NORTH KANSAS CITY PROJECT NO UI-99(6) (RT:69) STA 294+13.25 (LTFT LANE)

COUNTY

L-659

EINISHED

FINISHED



Drawn April 1954 by M.E.L. &W.G.G. Checked May 1954 by J.E.L.

Note: This drawing is not to scale Follow Dimensions

Sheet No. 4 of 7

CLAY

COUNTY FINISHED

FINISHER

L-659

NO CONSTRUCTION CHARGES

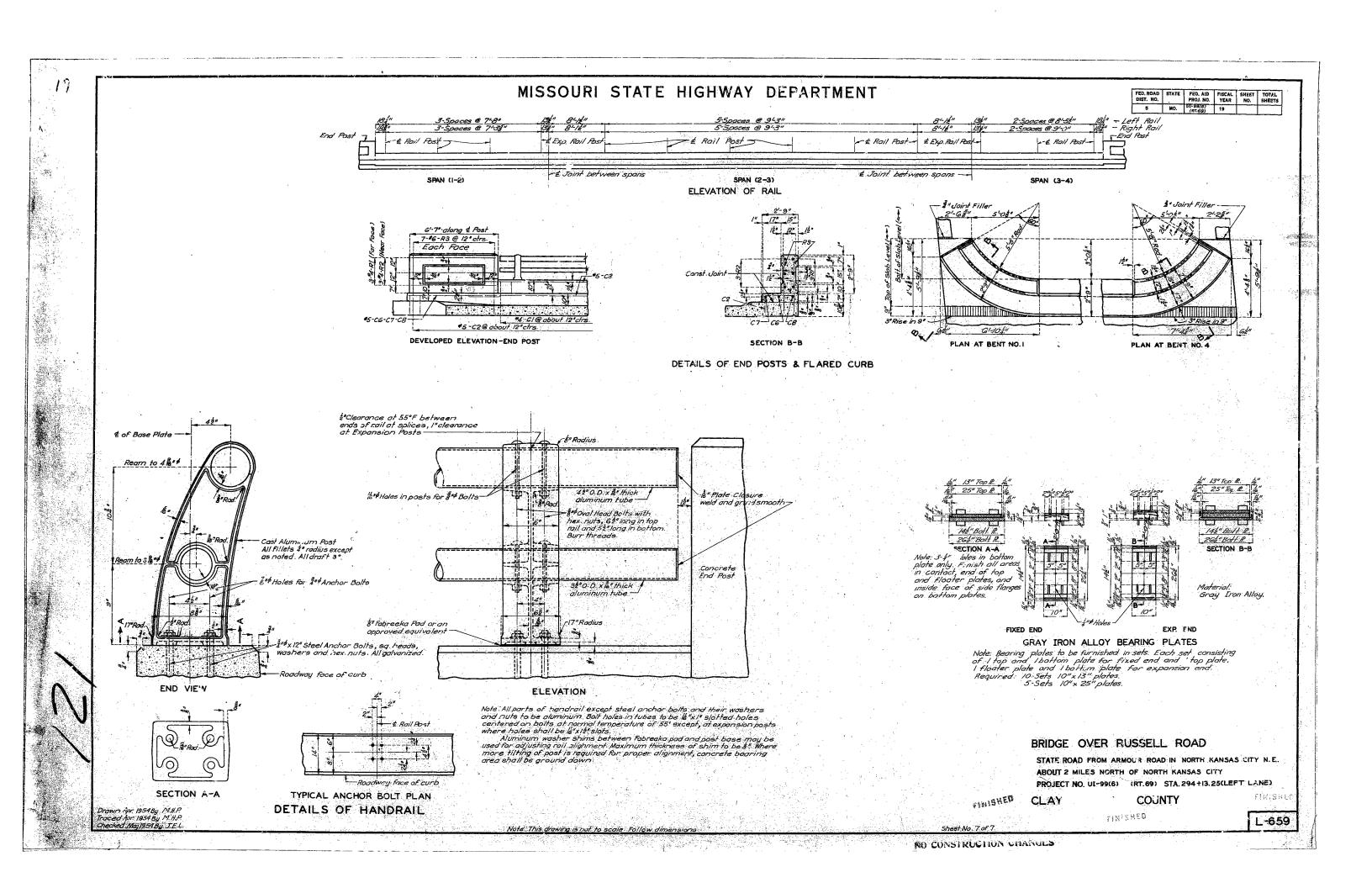
NO CONSTRUCTION CHANGES

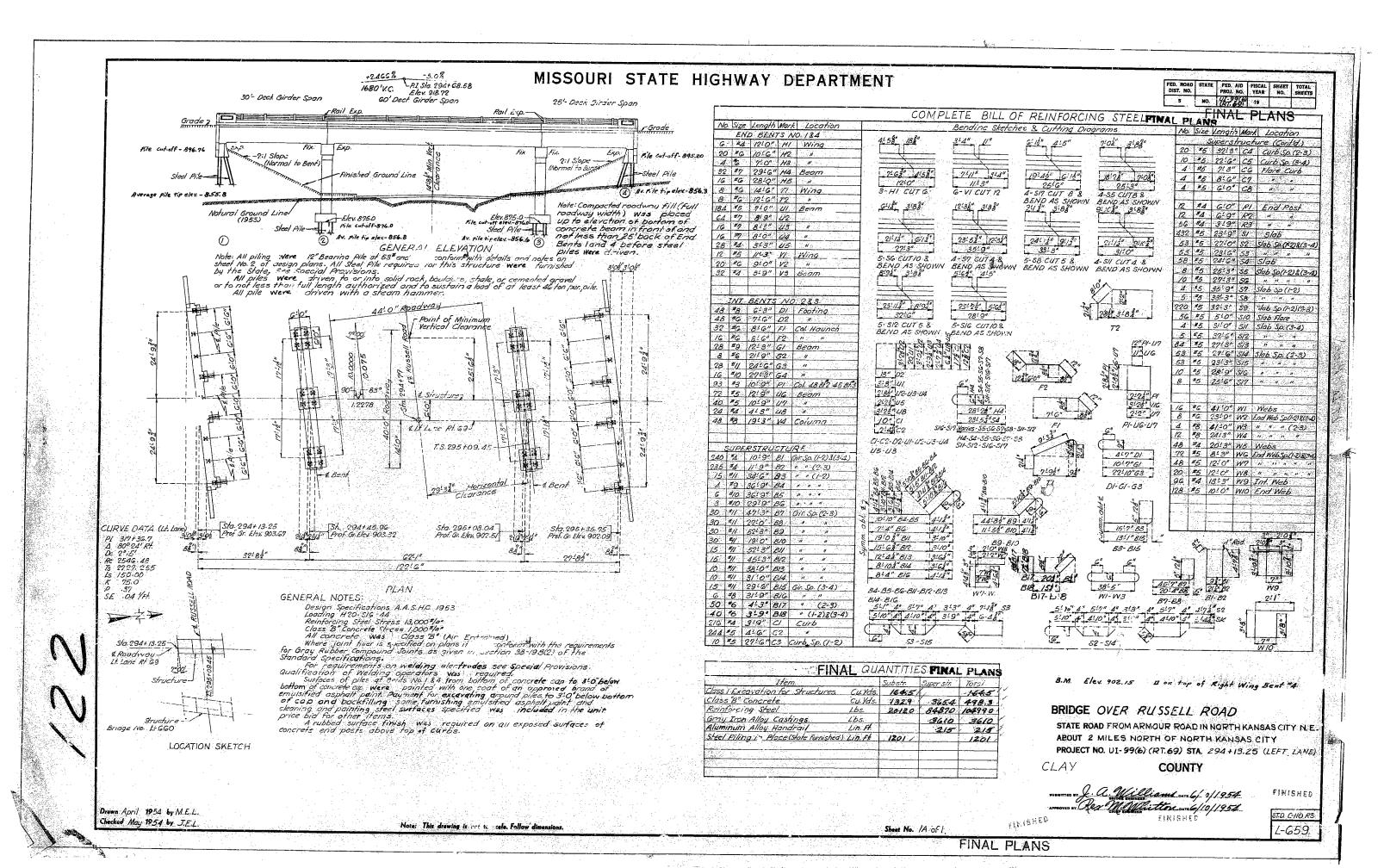
Checked Apr. 1954 by J.E.L.

Note: This drawing is not to scale. Follow dimensions

Sheet No. Gof 7.

NO CONSTRUCTION CHARGES





FED. AID FISCAL SHEET TOTAL PROJ. NO. YEAR NO. SHEETS 19 30 SEC. I & IZ TWP. 50N

GENERAL NOTES:

Design Specifications: A.A.S.H.T.O. - 1977 Load Factor Design and Interim Specifications 1980

Design Loading:

H520-14 15 # per sq. ft. Future Wearing Surface Modified 21,000 # Tandem Axle Earth 120#, Equivalent Fluid Pressure 30# Superstructure : Simply supported non-composite for Dead Lood, Continuous composite for Live Load.

Design Unit Stresses: Closs B Concrete (Substructure) fr=3,000 psi Class BI Concrete (Sofety Barrier Curb) Fc = 4.000 psi Class B2 Concrete (Superstructure except Prestressed Girders and Safety Barrier f'c 4,000 psi Curb) Reinforcing Steel (Grade 60) TU=60.000 F31 Steel Pile Fb = 9,000 psi

For Pre-stressed Girder Stresses see Sheet Nos. 6,7 and 8.

Bearings shall be 60 durameter Neoprene Pods,

Joint Filler: All Joint Filler shall meet the requirement of Std. Spec. :057,2.4.

Reinforcing Steel: Minimum elegrance to reinforcing steel shall be 12" unless otherwise shown.

Construction Clearance: A minimum vertical cica ice of 1346" from crown of exi. ng lanes and a minimum lateral clearance of 33'-0" centered on existing lanes shall be maintained during construction.

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

Cost of furnishing, Fabrisating and installing Neoprene Bearing Rads complete in place. shall be puid for at the contract unit price for Plain and Laminuted Nesprene Bearing Pala per each.

B.M. Elev. 902.15 @ On Top Of Rt Wing Bent No. 4 Sta. 295+35.75

BRIDGE OVER RUSSELL ROAD

STATE ROAD FROM RTE. 210 NORTH

IN KANSAS CITY

PROJECT NO. 1-1R-35-1(120)

STA, 294 + 12.51

JOB NO. 4-1-35-340

RTE, 1-35 S.B.L.

STD. STD. 706.35 COUNTY

CLAY 12011

DESIGNED AUG. 1981

DETAILED NOV. 1981 CHECKED DEC. 19 81

Note: This drawing is not to scale. Follow dis

Sheet No. / of /cl.

DATE 1/13/83

-659R

ESTIMATED QUAN	TITIES			
ITEM		SUBSTR.	SUPERSTR	TOTAL
Special Work	Lump Sum		1	/
Remoial Of Existing Bridge Deck	Sq.Ft.	<u> </u>	5,574	5,574
Class Excavation	ги. Yd.	35		35
Structural Steel Piles (10 fn.)	Lin. Ft.	244		244
Class B Concrete	Cu. Yd.	6ය.3		68 3
Reinforcing Steel	Pound	9,300		9,300
() Slab On Concrete I-Girder "*" Safety Barrier Curb	Sq. Yd.		728 285	728 265
Plain Neoprene Bearing Pads	Each		24	24
Laminoted Neoprene Bearing Pouls	Each		12	12
Piestressed Concrete I-Girder 30 Ft	Span Each		6	6
Prestressed Concrete I- Girder 60 Ft.	Span Each		6	6
Prestressed Concrete I-Girder 25 Ft.	Spon Each		6	6
· · · · · · · · · · · · · · · · · · ·				
	*. ***********************************			

Note;

All concrete and reinforcement above lower construction joint in end bents are included with superstructure quantities.

Cost of \$ " o coil tie rods placea in diaphragms is included in contract unit price for PIS members.

"*" See Special Provisions.

-	PILE	DATA			
BENT NO.		1	2	3	4
Pile Type and size		HPIOXAZ	HPIOX42	HP10x42	HP10:42
Number		2	2	2	2
Approximate length	Et,	40	24	22	36
Design Beoring	Tons	24	43	213	24
Hammer Energy required	F+, 1,6s	7,000	:9,600	7,500	7,000

Minimum energy requirement of hommer based on plan length and design bearing value of piles.
All pile shall be driven to practical refusal.

ERNAT	ΓΕ SLAE	35
	Conc. I	
einf.	(Lb9.)	Conc.
DOXY	Plain	Cu, Yd.
3,680	26,560	256.7
3,680	7,590	219.2
3,680	26,580	256.7
_	,000	000,000

The table of Estimated Quantities for Alternate Slabs represents the quantities used by the state in preparing the cost estimate for concrete slobs. Variations may be encountered in these estimated quantities but these variations cannot be used for an adjustment in the Contract Unit Price per square yard of Fiternote Slab Used.

See Special Provisions for olternate methods of forming slabs.

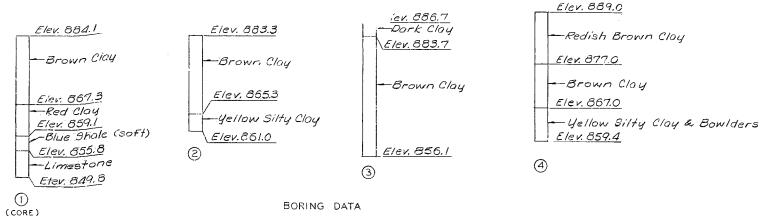
The special rivisions for alternate methods of forming slabs.

Precost panel quantities based on skewed end panels.

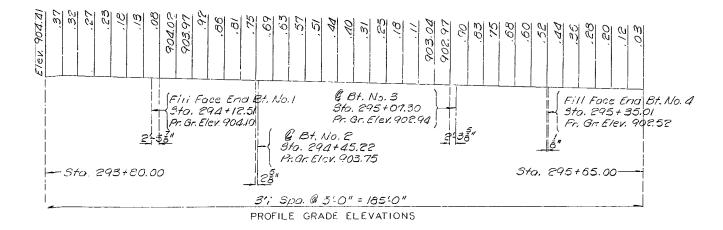
"* *" Does not include concrete required to fill corrugation of S.I.P. forms.

Note: For location of Borings see sheet No.1.

FED. ROAD STATE FED. AID FISCAL SHEET TOTAL DIST. NO. PROJ. NO. YEAR NO. SHEETS



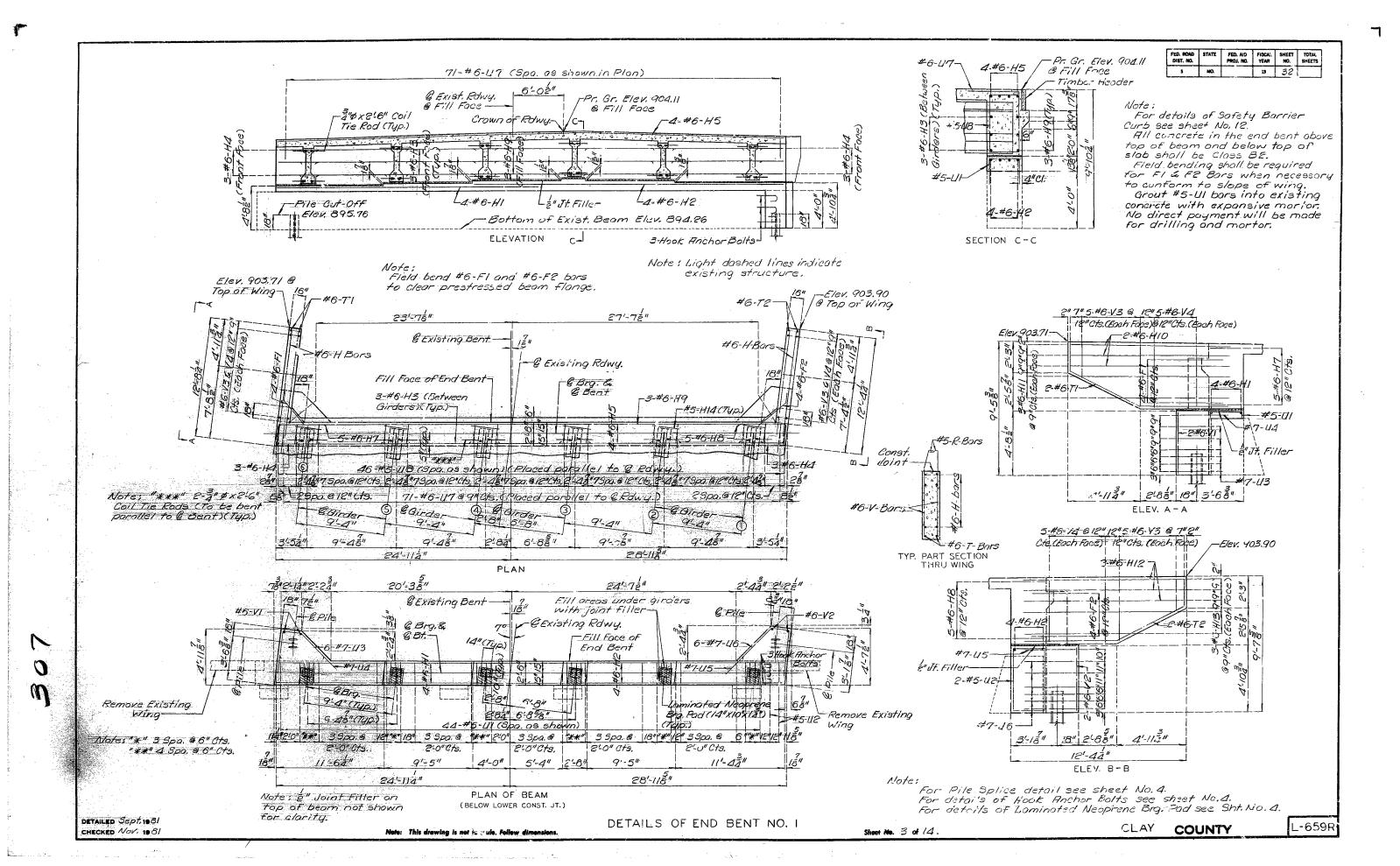
SP.1. Sta. 291+68.58 Elev. 919.14 +2.466% -5.0% 1,680' V.C.

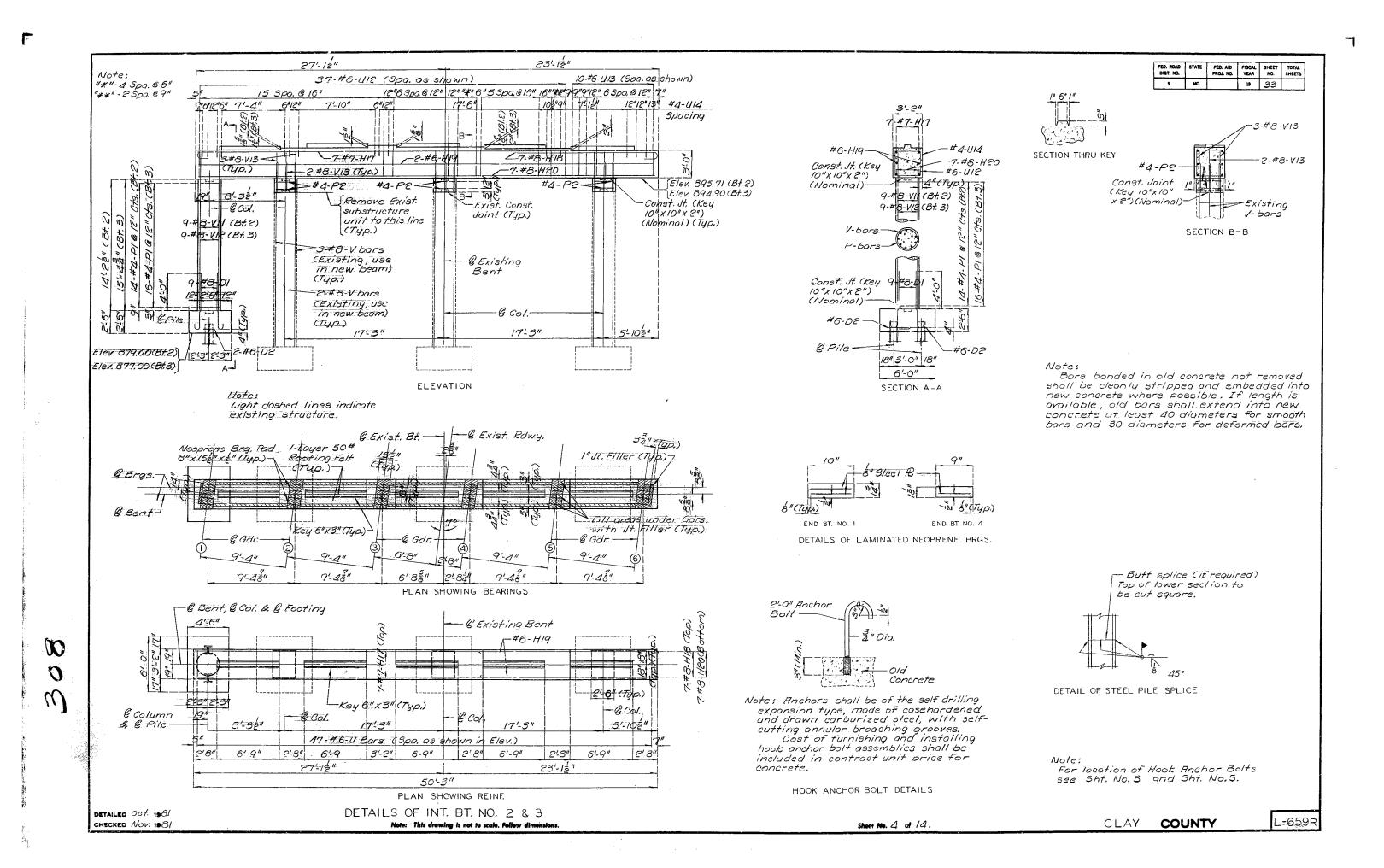


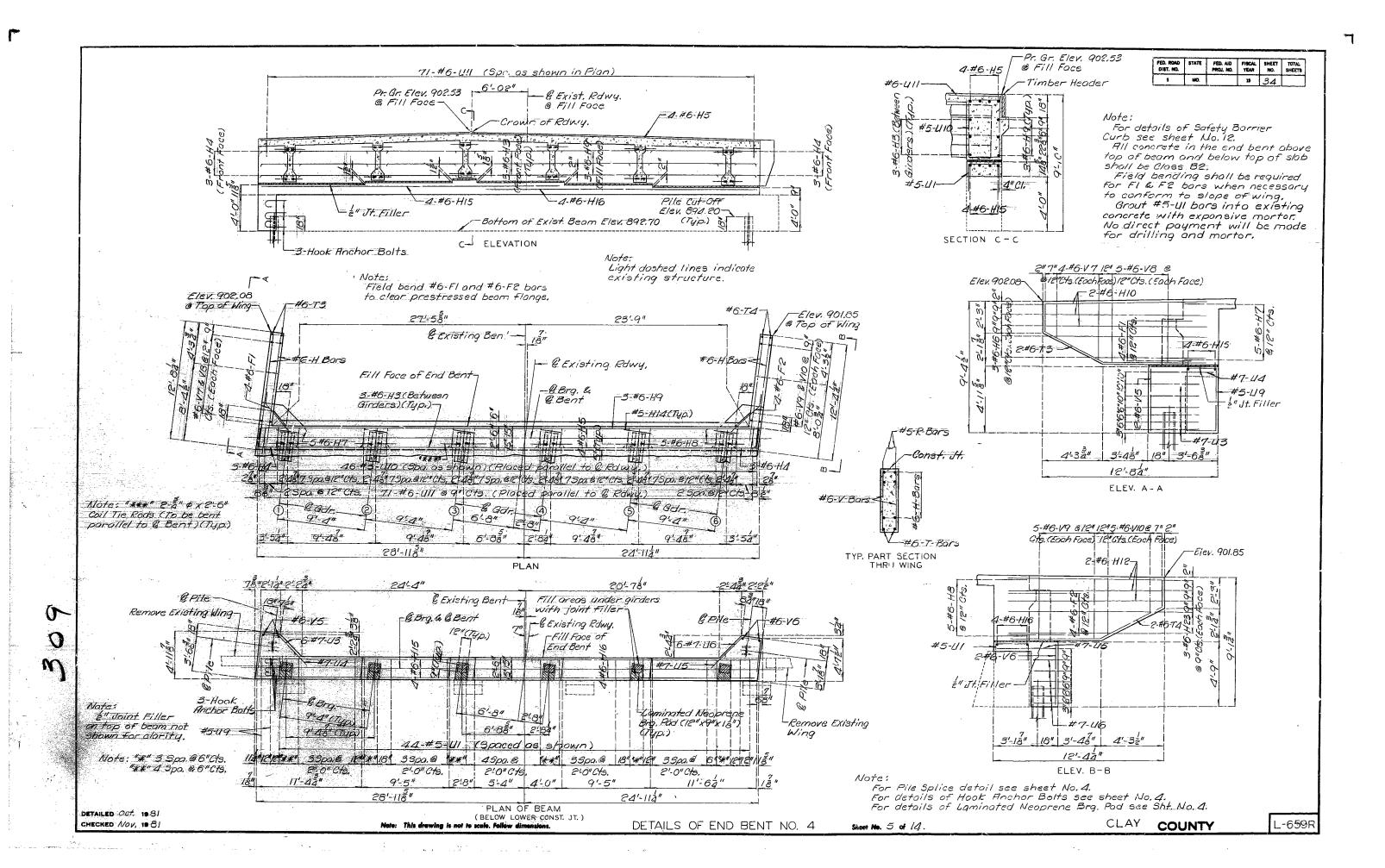
DETAILED NOV. 1981 CHECKED NOV. 1981

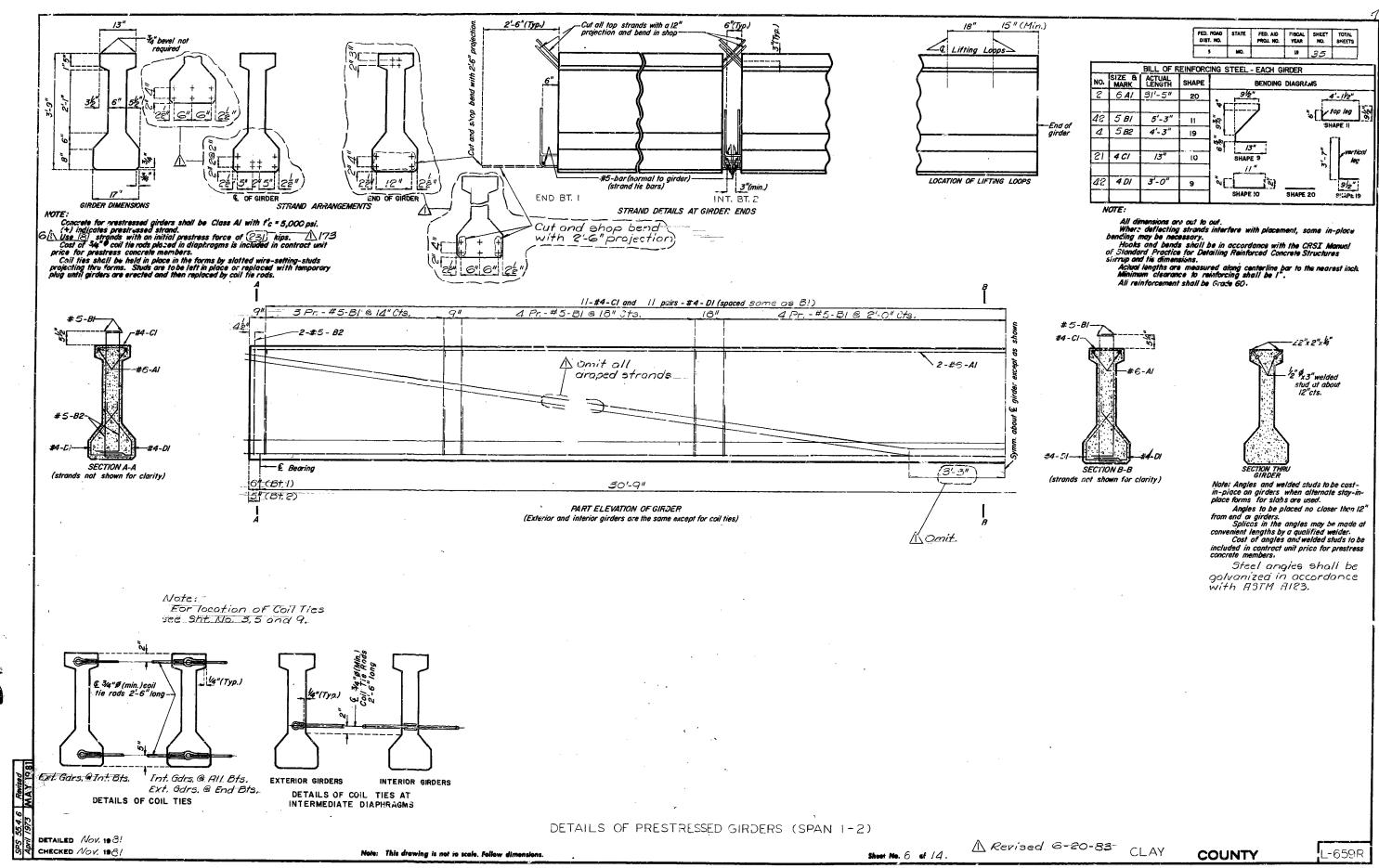
CLAY COUNTY

-659R

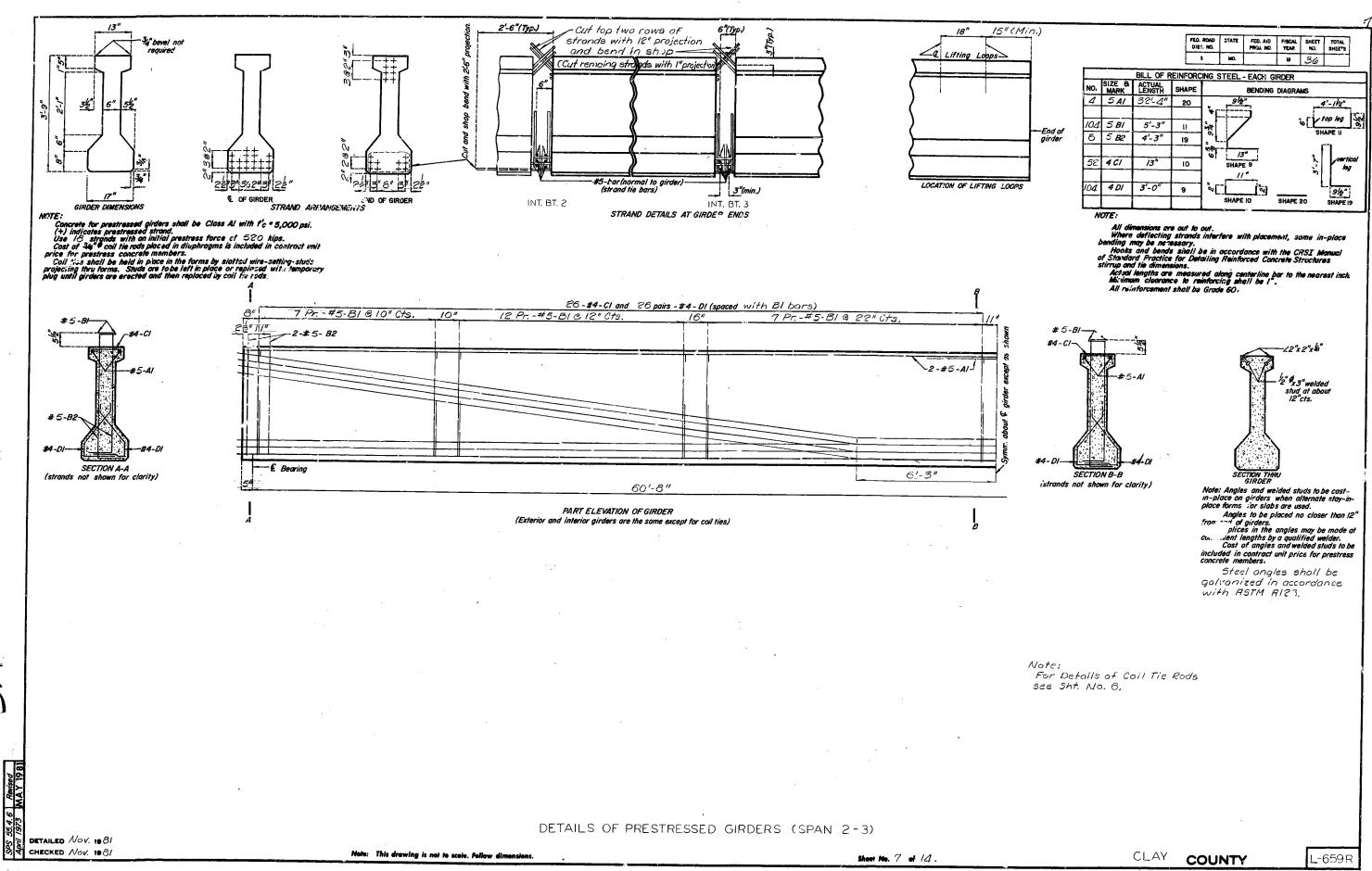


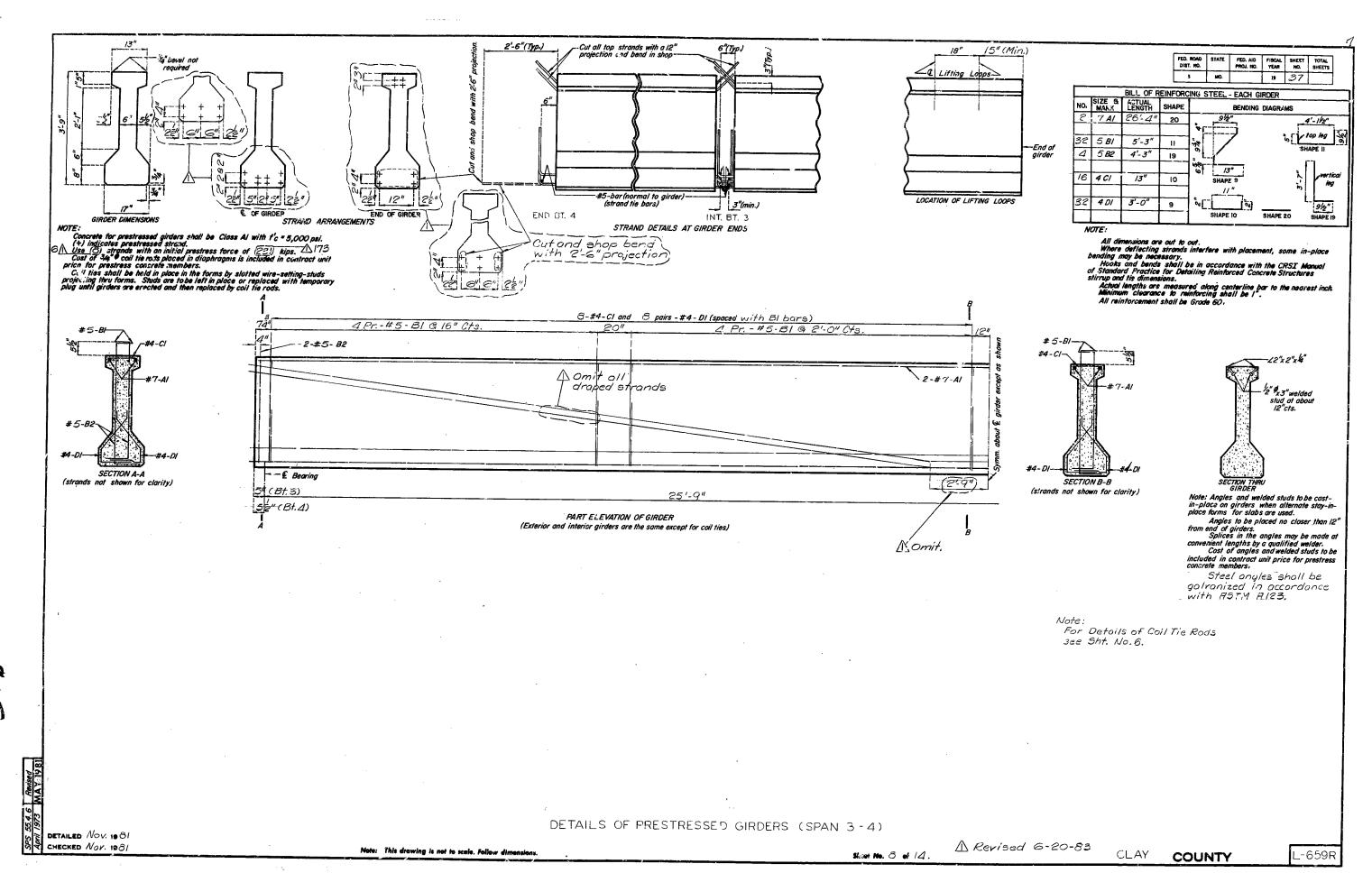


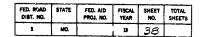


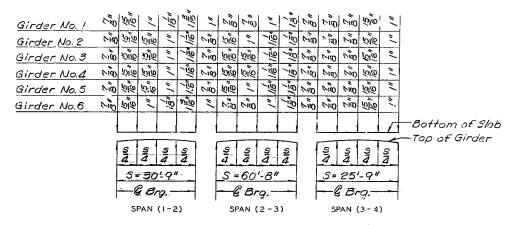


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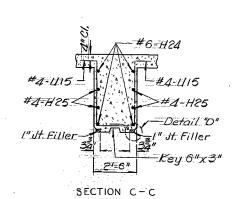
THEORETICAL SLAB HAUNCHING DIAGRAM

Note: Stab to be built parallel to grade and to a minimum thickness of 84", Slob hounches to be adjusted for any difference in girder camber from that shown in the Comber Diagram. Concrete in slab hounches is included in the Estimated Quantities for Alternate Slabs.

GDR.		AN -2)	SP/	AN -3)	SP. (3	AN -4)	- // // -/
NO.	"A"	″B ″	"A"	"B"	"A"	"B"	Theoretical
-=	3 "	<u>\$</u> "	16"	7 16"	8"	ź"	after erection - Cairder
2	3 n	4	164	4"	8"	Bu.	
3	3 15	į,	116"	5	8"	8"	
4	3 164	8*	118"	5 " 16"	8"	i #	/ 1 45
5 .:	3 76	8"	3 116"	4"	ሪ	á"	Comber after
′ 6 <i>=</i>	3	8	16"	7 16"	<u>{</u> "	<u>!</u> "	stab is pour

GIRDER CAMBER DIAGRAM

Note: Theoretical camber at .25 and .75 points equal 0.7125 of camber at half span.



DETAIL "D" #4-417 E3" o (Min.) Coil Ties 22 9"

Edge of Slab-

Note:

DETAIL "A"

Note:

are vertical.

SECTION B-B

Note: For location of

Detail "A" see Sht. No. 10.

Top transverse

~2" Dia, hole (1"deep)

ELEVATION B-B

For Detoils of Coil Ties see Sht. No. S Intermediate diaphragms are mormal

Diaphrogins at intermediate bents

Reinf, bar

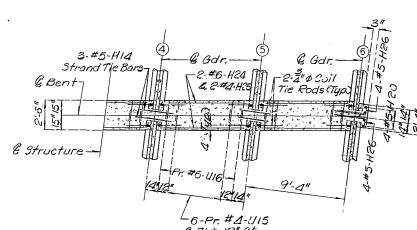
Connection

Electrical Lead

Reinf. bor

2 Electrical Lead Connections required. Actual location to be designated by the Engineer as part of the test system.

33'-28" -@ Gdr. (Typ.) (2) 3 4 (5) - & Int. Dioph. 6 -& Brg; & Brg. -& Brg: SPAN (2-3) SP+ N (3-4) PLAN OF GIRDERS SHOWING LOCATION OF INTERMEDIATE DIAPHRAGMS



@ Abt. 12" Cts. SECTION A - A

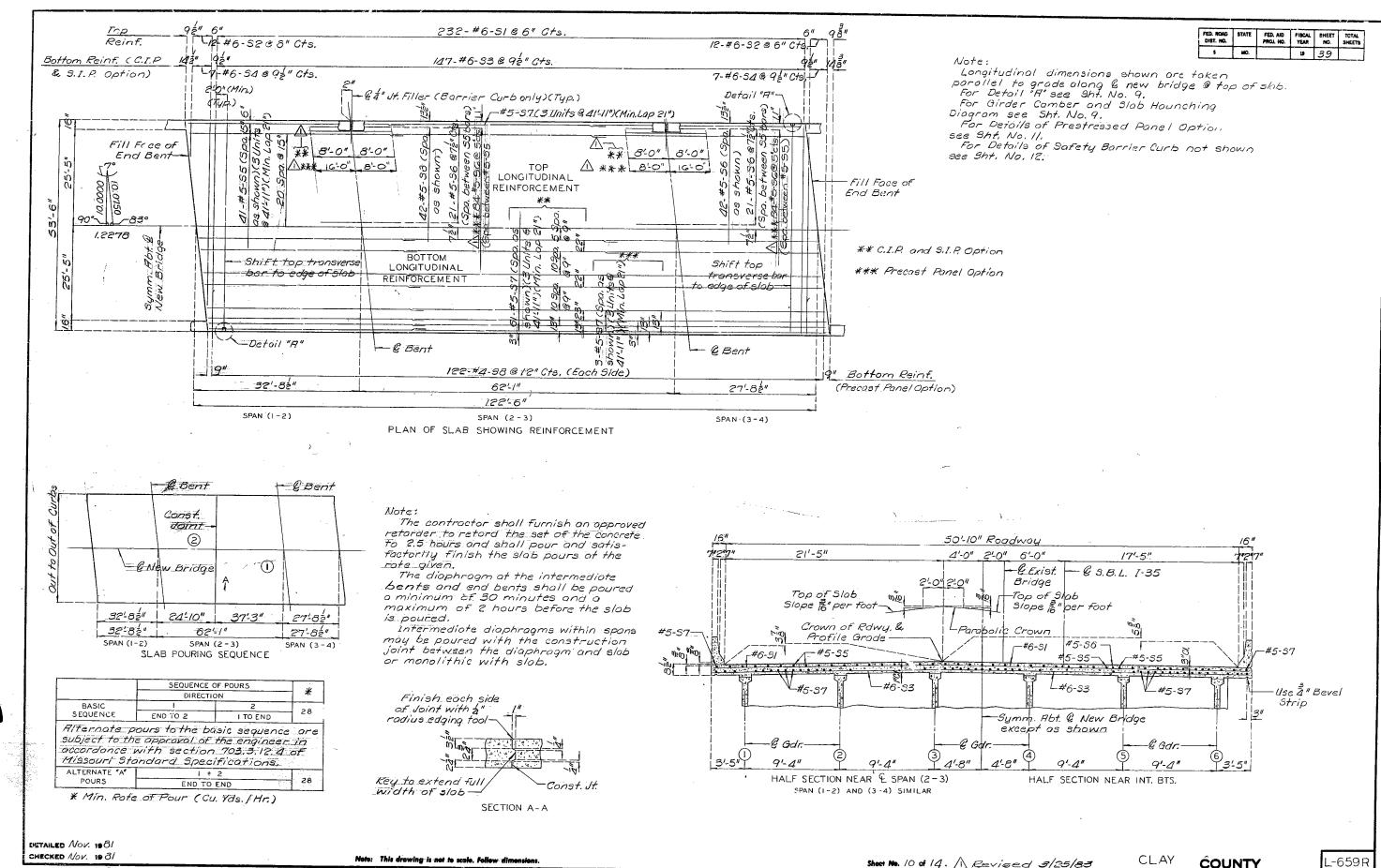
- 6-Pr. #4-UI5 @ Abt. IE" Cts, 14" 8-#4-4178 14" Symm. Abt. @ Abt. 12" Cts. structure except as shown -2-#4-H21 2-#6-H21 H27 2-3" & Coil -2-#6-H22 Tie Rods (Typ)--2-#6-424 −*€ Gdr.*

CLAY COUNTY

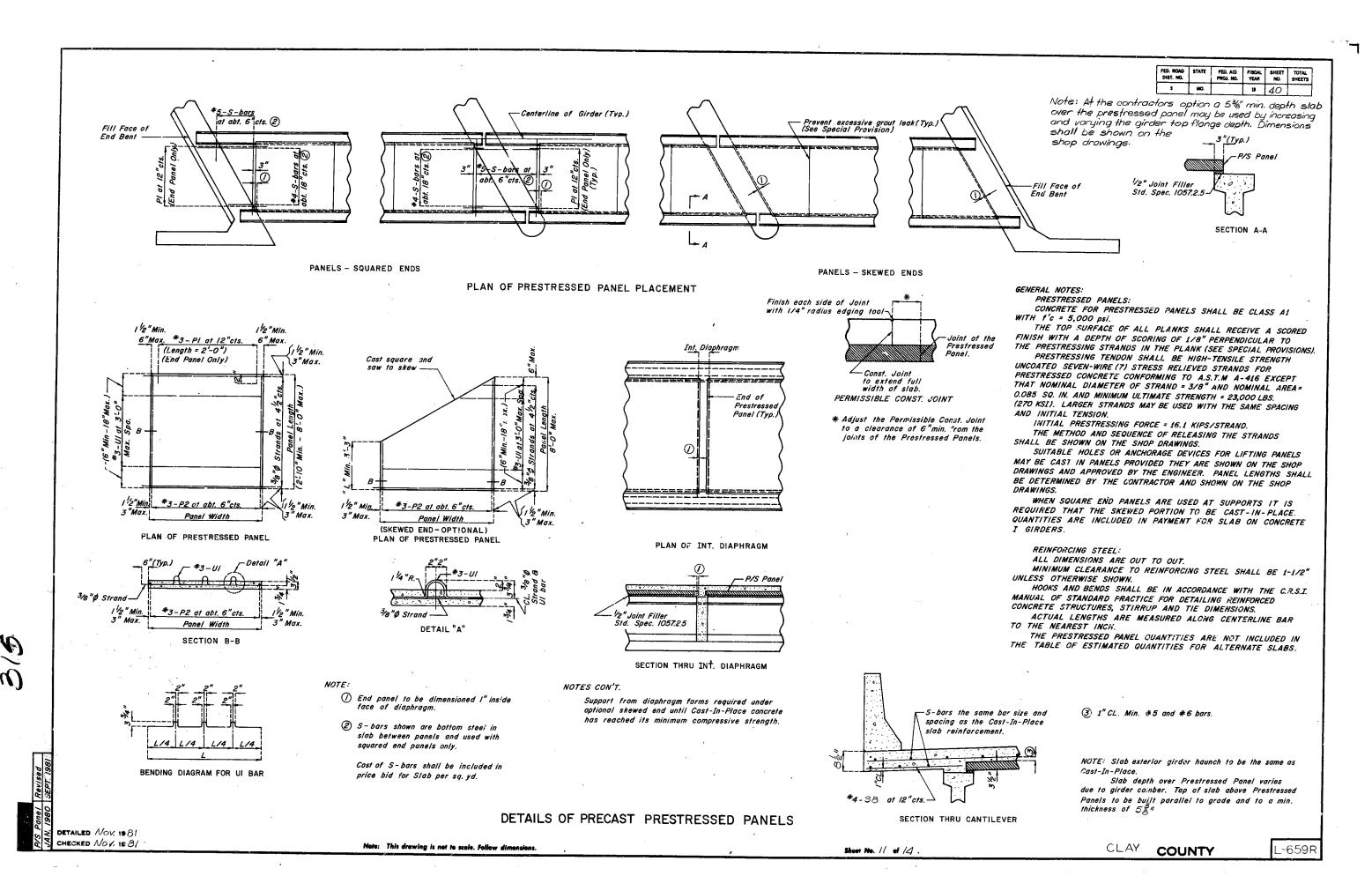
TYP HALF SECTION NEAR INT. BENTS

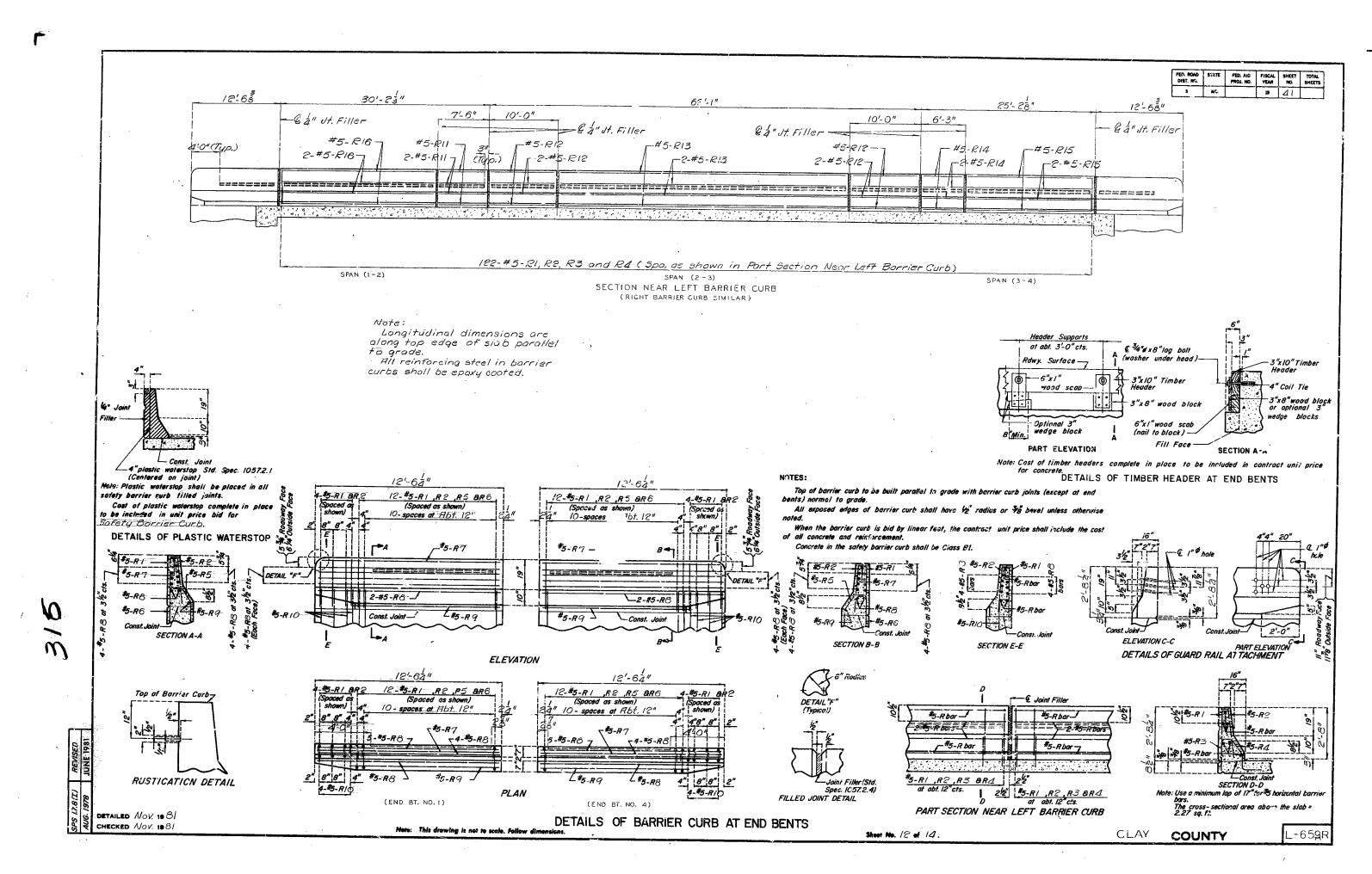
L-659R

TYP HALF SECTION NEAR INT. DIAPH.



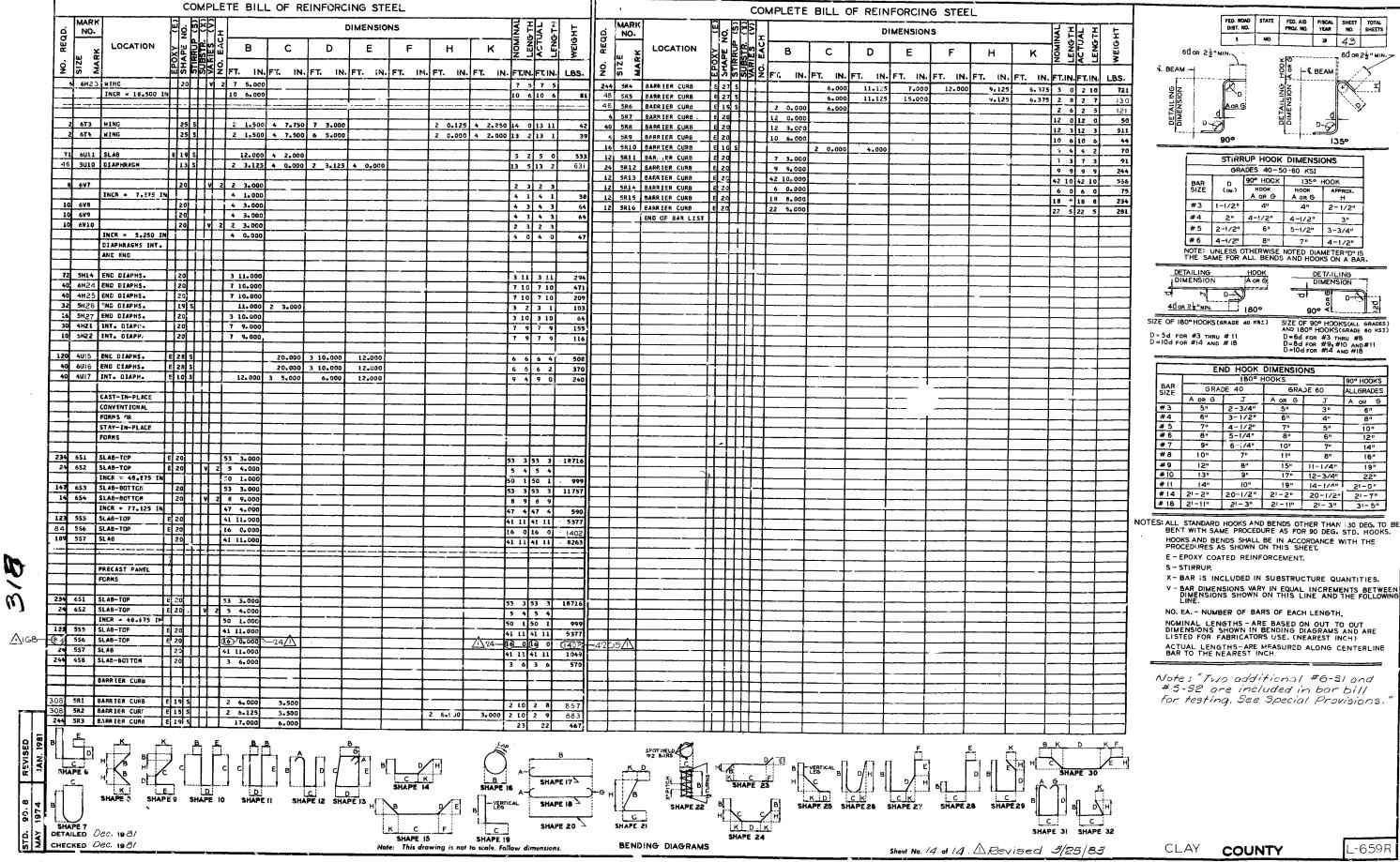
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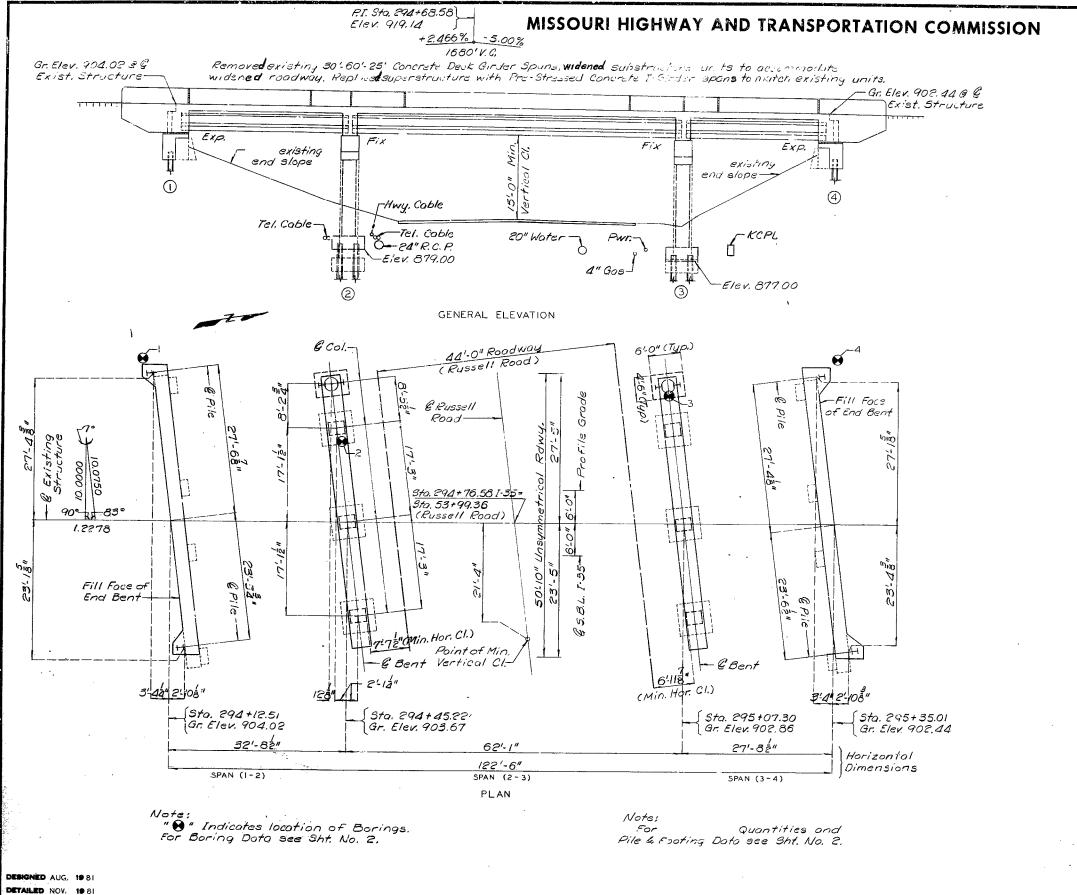




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Note: This drawing is not to scale. Follow dimensi

FINAL PLAMS

GENERAL NOTES:

Design Specifications: A.A.S.H.T.O. - 1977 Load Factor Design and Interim Specifications 1980

Design Loading: H520-44

15 # per sq. ft. Future Wearing Surface
Modified 24,000 # Tandem Axle
Earth 120 #, Equivalent Fluid Pressure 30 #
Superstructure: Simply supported
non-composite for Dead Load. Continuous
composite for Live Load.

Design Unit Stresses;

Closs B Concrete (Substructure) fr. 3,000 psi
Closs Bl Concrete (Sofety Borrier Curb) fr. 4,000 psi
Closs B2 Concrete (Superstructure except
Prestressed Girders and Safety B Irrier
Curb) fr. 4,000 psi
Reinforcing Steel (Grade 60) fy = 60,000 psi
Steel Pils fb. 9,000 psi

For Pre-stressed Girder Stresses see Sheet Nos. 6,7 and 8.

Bearings were 60 durameter Neoprene Pods,

Joint Filler: All Coint Filler meet the requirement of Std. Spec. 1057,2.4.

Reinforcing Steel: Minimum electronce to reinforcing steel was It unless otherwise shown.

Construction Clearance: A minimum vertical clearance of 13:6" from crown of existing lones and a minimum lateral clearance of 33:0" centered on existing lanes were maintained during construction.

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

Cost of furnishing, Fabricating and installing
Neaprene Bearing Pads complete in place
were paid for at the contract unit
price for Plain and Laminated Neaprene
Bearing Pads per each.

5.M Elev. 904. 60 0 on Top Of Rt Borrier Curb Abut. No. 4 Sta. 295+47

BRIDGE OVER RUSSELL ROAD

STATE ROAD FROM RTE, 210 NORTH

IN KANSAS CITY

PROJECT NO. 1 R-35-1(120) STA. 294 + 12.51

JOB NO. 4-1-35-340

RTE, [-35 S.B.L.

CLAY

COUNTY

DATE ///3/83

STD. 706.35 L-659R

Sheet No. IA at 14.

3

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ÇU	-NTITIES			
ITEM		SUBSTR.	SUPERSTR	TOTAL
Special Work	Lump Sum		1	1.
Removal Of Existing Bridge Deck	Sq.Ft.	! !	5,574	5,574
Class I Excavation	Cu. Yd.	<i>35.</i> 5		35.5
Structural Steel Piles (10 In.)	Lin. Ft.	240		240
Class B Concrets	Cu. Yd.	66.3		68.3
Reinforcing Steel	Pound	9,300		9,300
Slab On Concrete I-Girder "*"	Sq, Yd,		728	728
Satety Barrier Curb	Lin. Ft.		285	285
Plain Neoprene Bearing Pads	Each		24	24
Laminated Neoprene Bearing Pads	s Each		12	15
Prestressed Concrete I-Girder 30	Ft. Span Each		6	. 6
Prestressed Concrete I-Girder 60	t. Spun Eoch		6	6
Prestressed Concrete I-Girder 25	Ft. Spun Each		6	6
CONTINGENT				
Reinforcing Steel	Lb.		2800	2800

Note:

All concrete and reinforcement above lower construction joint in end bents are included with superstructure quantities.

Cost of 2" & coil tie rods placed in diaphragms is included in contract unit price for PIS members.

"*" See Special Provisions,

	PILE	DATA			
BENT NO.		1	^2	`3	`4
Pile Type and size		HPIOXAZ	HPIOX42	HPIDX42	HPIOX42
Number		7.2	2	`2	~2
Approximate length	Ft,	38	24	21	37
Design Beoring	Tons	24	43	43	24
Hammer Energy required	Ft. Lbs	7,000	9,600	9,600	7,000

Minimum energy requirement of hommer based on plan length and design bearing value of piles.

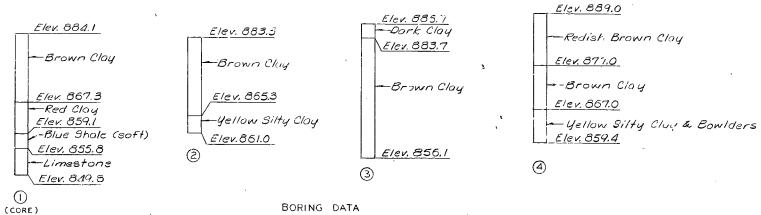
All pile were driven to practical refusal.

QUANTITI'S FOR		SLA	3
	Slab on	Con s. I	-udr.
TYPE OF \$LAB	Reinf.	(Lbg.)	Canc.
	Epoxy	Plain	Cu.Yd.
Precost Panel Forms	31,480	7,590	219.2

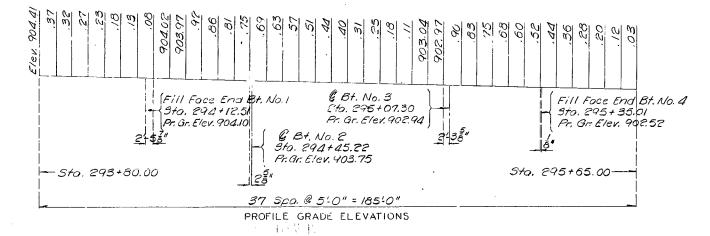
FINAL PLANS

Precost panel quantities bosed on skewed end panels.

Note: For location of Borings see sheet No. 1.



#2.466% -5.0% 1,660' V.C.

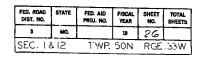


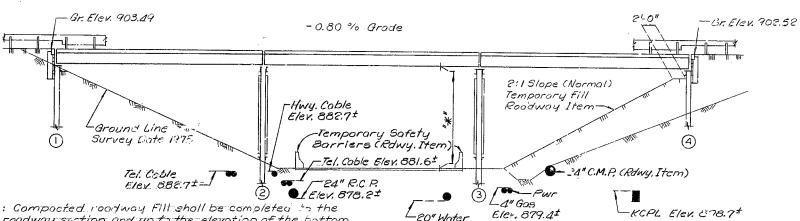
CHECKED NOV. 198/

Note: This drawing is not to scale. Follow dimens

Screet No. 2A of 14. CLAY COUNTY

L-659R





-20" Water

Elev. 876.8#

Note: Compacted roadway Filt shall be completed to the final roadway section and up to the elevation of the bottom of the CIEX25 within the limits of the structure and for not less than 25' in back of the fill face of the and bents before piles are driven for any bents folling within the embankment section.

ELEVATION

Note: Contractor shall exercise caution during construction to prevent domage to existing underground utilities. A minimum vertical clearance of 13'-6" from crown of existing lone to nearest temporary construction falsework shall be maintained during construction. "*" Final vertical clearance from top of roodway to bottom of superstructure to be at least 15'-0".

GENERAL NOTES:

Design Specifications; A.A.S.H.T.O. - 1977 Load Factor Design

Design Loading : H20-44

Design Unit Stresses; Structural Steel (A.S.T.M. A588) fy = 50,000 psi Structural Carbon Steel (Piling & Swny Brocing) Fs = 20,000 psi Steel Plie fb = 9,000 psi

Timber:

All timber shall be standars rough sawn, All timber shall be treated with cresote or pentochlarophenol solution.

All timber shall have a minimum strength of 1500 psi and shall be either douglas fir conforming to the requirements of paragraph 123b (MC-19), 124b (MC-19) and 130 bb of the Standard Grading Rules for West Coast Lumber, No. 16, December 1, 1976 Revised Edition or southern pine conforming to the requirements of paragraphs 312 (MC-19), 342 (MC-19) and 405.1 of the Southern Pine Inspection Bureau Grading Rules, 1977 Edition or a sotisfactory grade of sound native

Note: All bolts shall be High Tensile Strength Bolts,

ITEM		TOTAL
Structural Steel Pile (10")	Lin. Ft.	991
Furnishing Superstructure	Lump Sum	1
Erecting Superstructure	Lump Sum	1
Removing & Storing Superstructure	Lump Sum	Ī

PILE	E DATA				
BENT NO.			2	3	4
Pile Type and Size		HPIOX42	HPIOX42	HPIOX42	HPIOx42
Number		7	5	5	7
Approximate Length	Ft.	43	41	41	40
Design Bearing	Toris	15	22	22	/5
Hammer Energy Reg'd.	Ft. Lbs.	7000	7000	7000	7000

Note: Minimum energy requirement of hammer based on plan length and design bearing value of piles. All pile shall Le driven to practical refusal.

B.M. Elev. 902.15 0 on top of Rt. wing bent No. 4 Sta. 295+35.75

TEMPORARY BRIDGE OVER RUSSELL ROAD

STATE ROAD FROM ROUTE 210 NORTH

IN KANSAS CITY

CLAY

PROJECT NO. 1-1R-35-1(120)

STA. 9+30.52

JOB NO, 4-1-35-340

RTE. I - 35 COUNTY

STD. STD. .-659 T

ĺ	CPILE .	, a t to Out		A
	© Pile	30'-6" Out to Out (Russell Rood)	Ь	#
Fill Face of End Bent	10-01	- Profile Grade Russell Road	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	# b
	,070/	Sta, 10+03.0 Temp. By Poss = 870.54+80.0 (Ryssell Rood)	Roodway & C Roodway & C Structure	H 5
10.	10,0"		20'9è" 41'7"	
	,,070/			
7 !	, , , , , , , , , , , , , , , , , , ,	@Bent	- C Bent	
6 <u>2</u> 2	Front Face of Backwall Seg. Str. 9+30.52 Gr. Elev. 903:49	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Sta. 10+11.10 Gr. Elev. 902.85	62" Sto. 10+51,72 Gr. Elev. 902.52
Horizontal (4	391-78"	40'-0"	39'-8a'"	1 2 Gr. Elev. 402.52
Dimensions \	· · ·	121'-22"		
	SPAN (1-2)	SPAN (2-3) PLAN	SPAN (3 - 4)	
		FLAN		

DESIGNED Sept. 1981 DETAILED NOV. 1981 CHECKED Dec. 1981

Sheet No. / of 4

DATE 1/13/83

A Revised March 7, 1983

CLAY

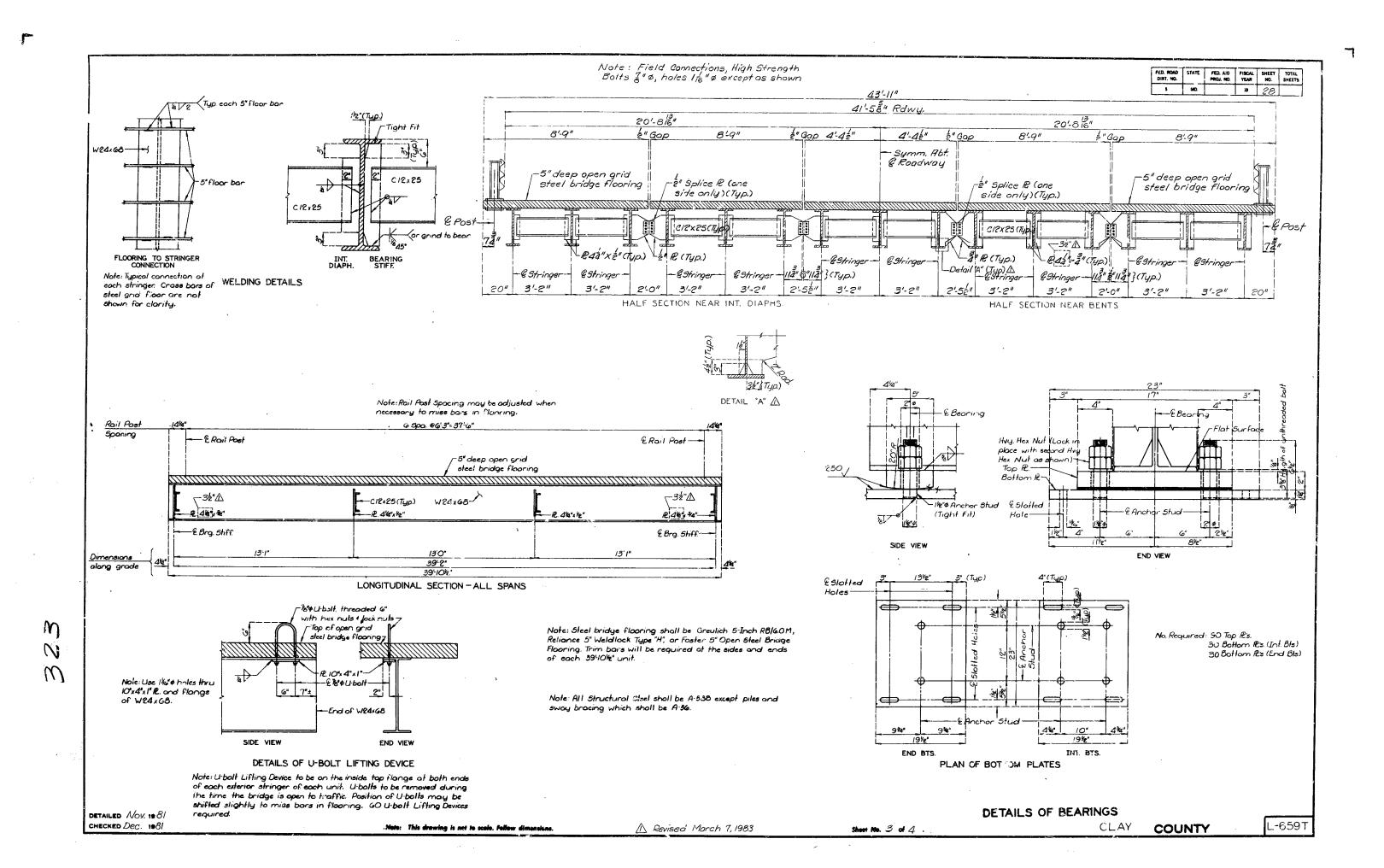
Sheet No. 2 of 4

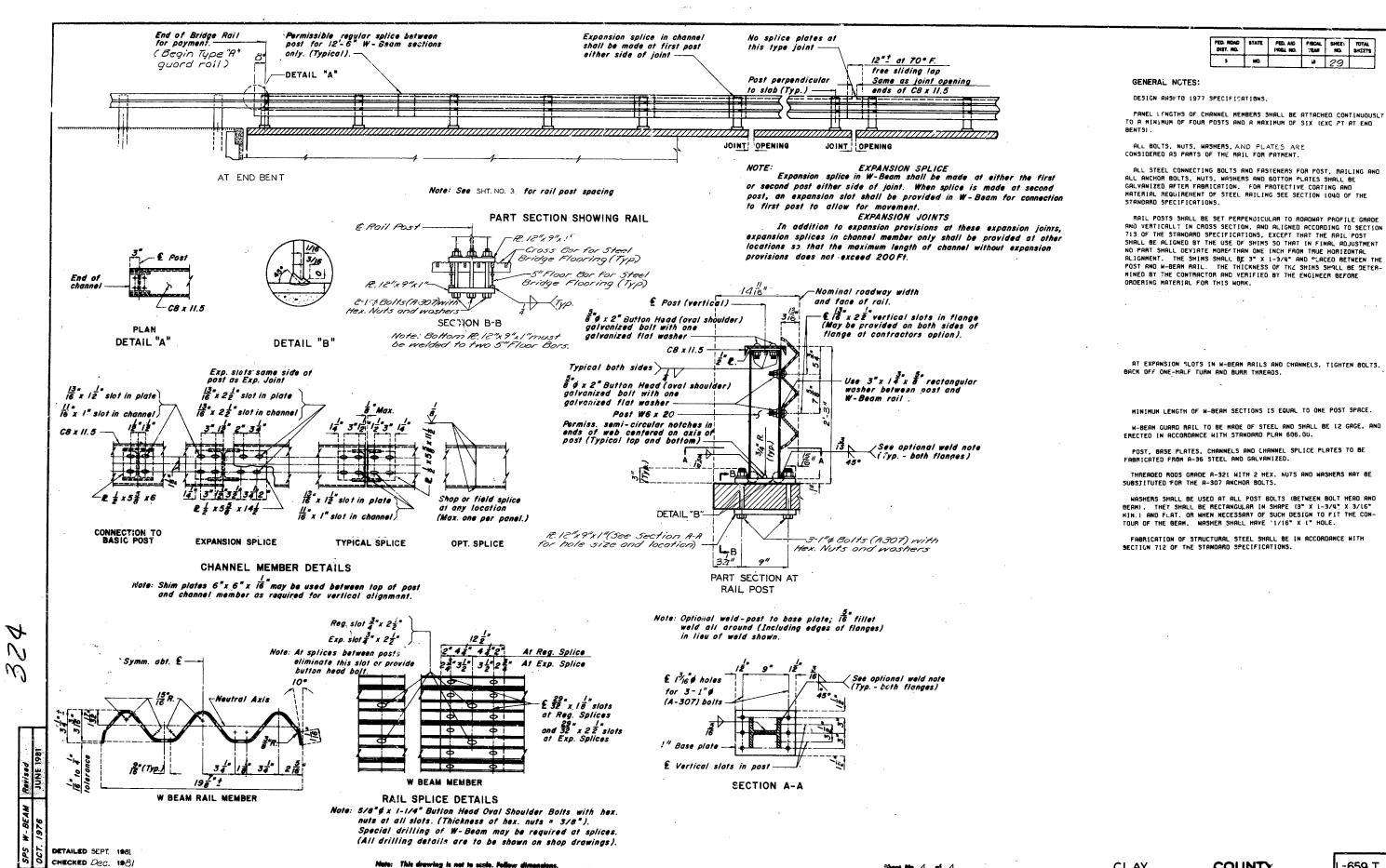
COUNTY

L-659T

Note: This drawing is not to scale. Follow dim

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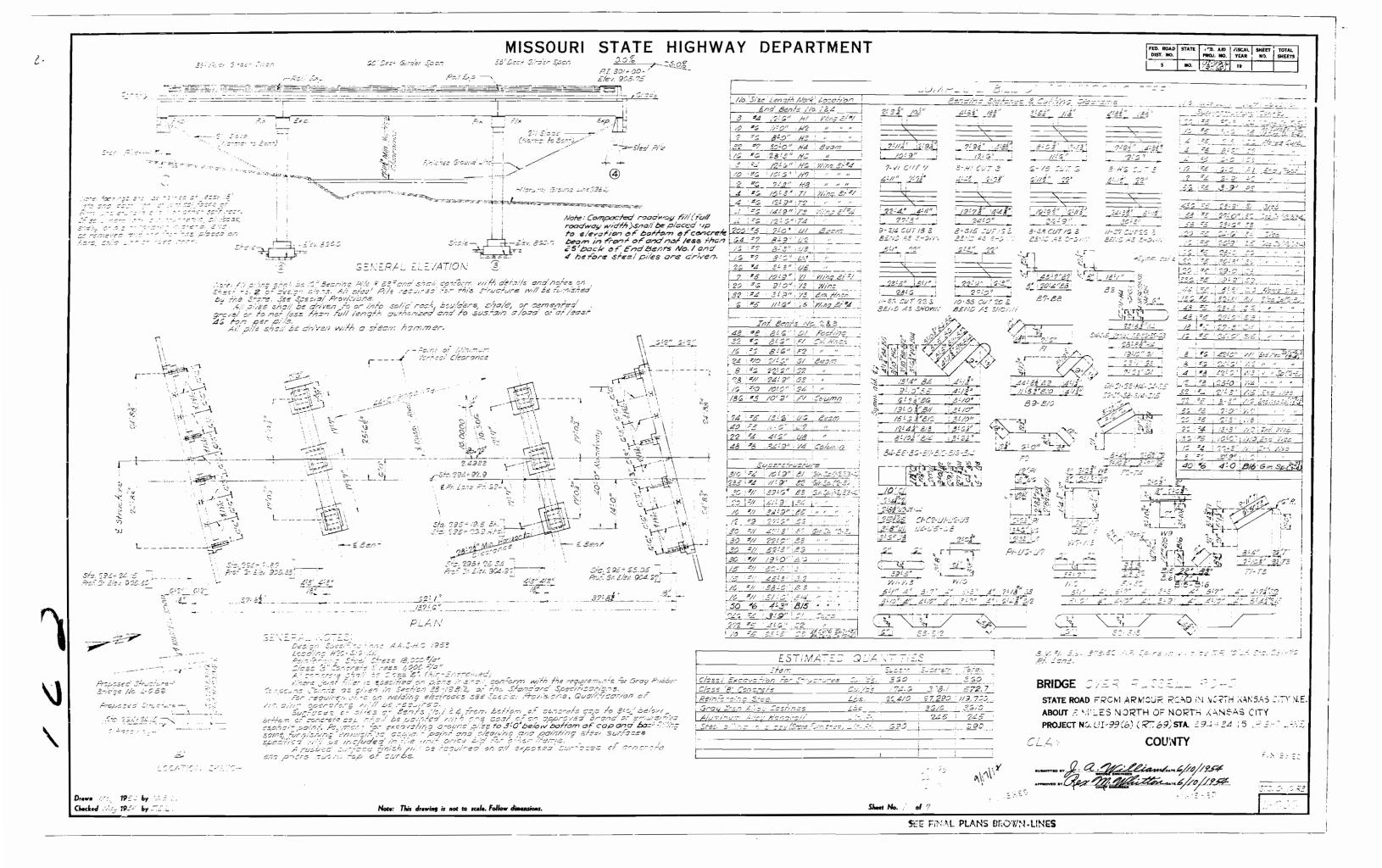
COUNTY

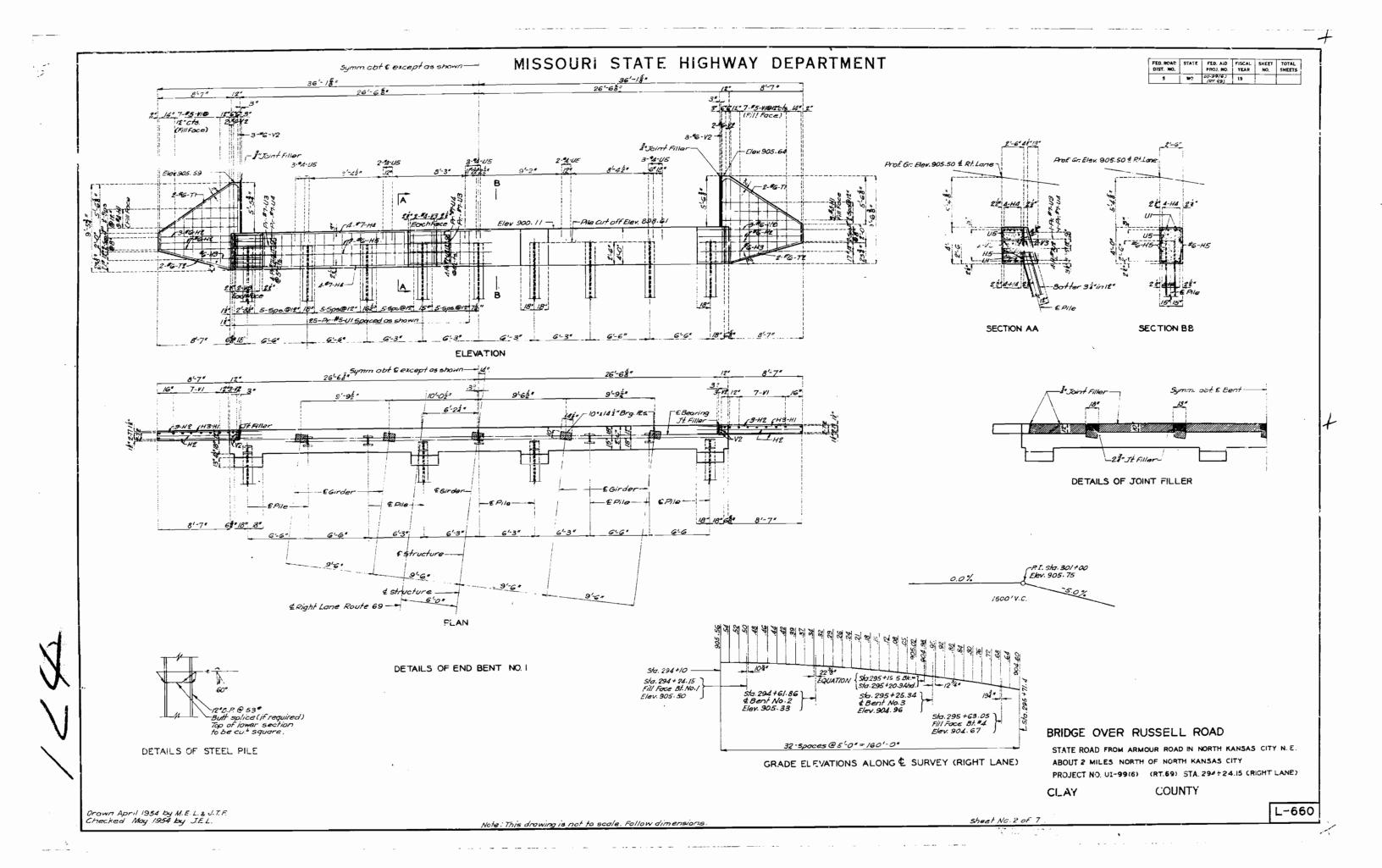
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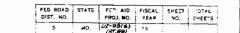
MISSOUR! HIGHWAY AND TRANSPORTATION COMMISSION

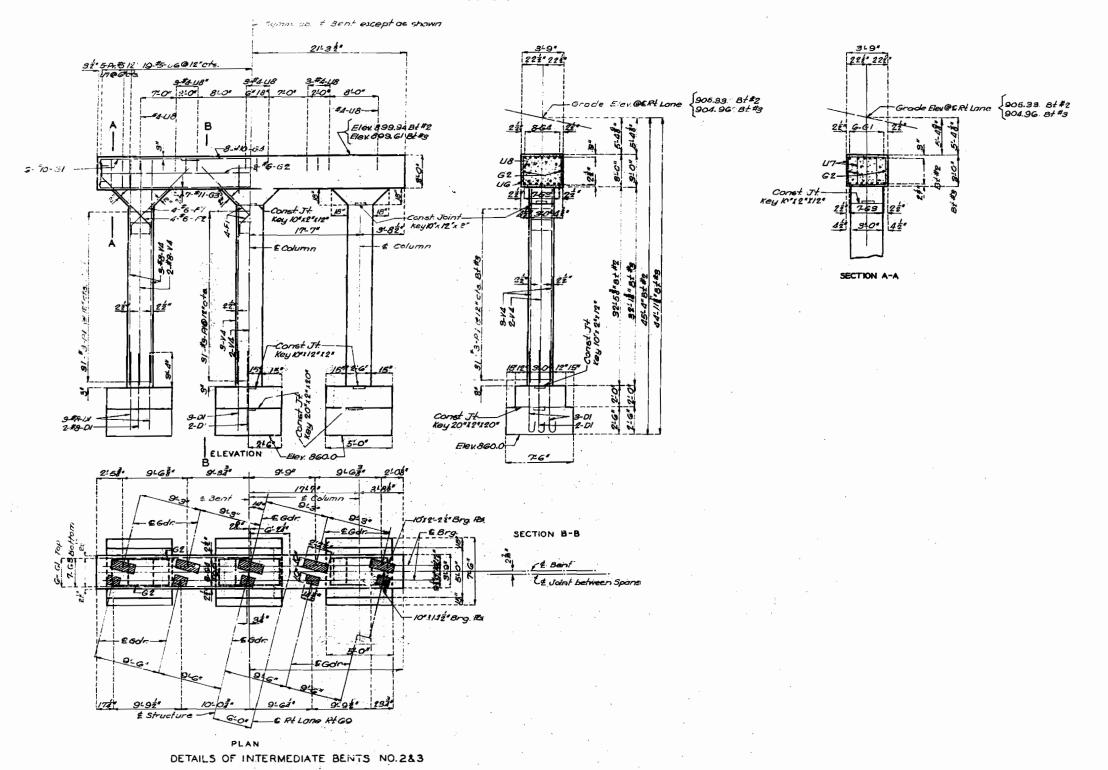
PROJ. NO. YEAR NO.





MISSOURI STATE HIGHWAY DEPARTMENT





BRIDGE OVER RUSSELL ROAD

STATE ROAD FROM ARMOUR ROAD IN NORTH KANSAS CITY N.E. ABOUT 2 MILES NORTH OF NORTH KANSAS CITY PROJECT NO. UI-99(6) (RT.69) STA. 294+24.15 (RIGHT LANE)

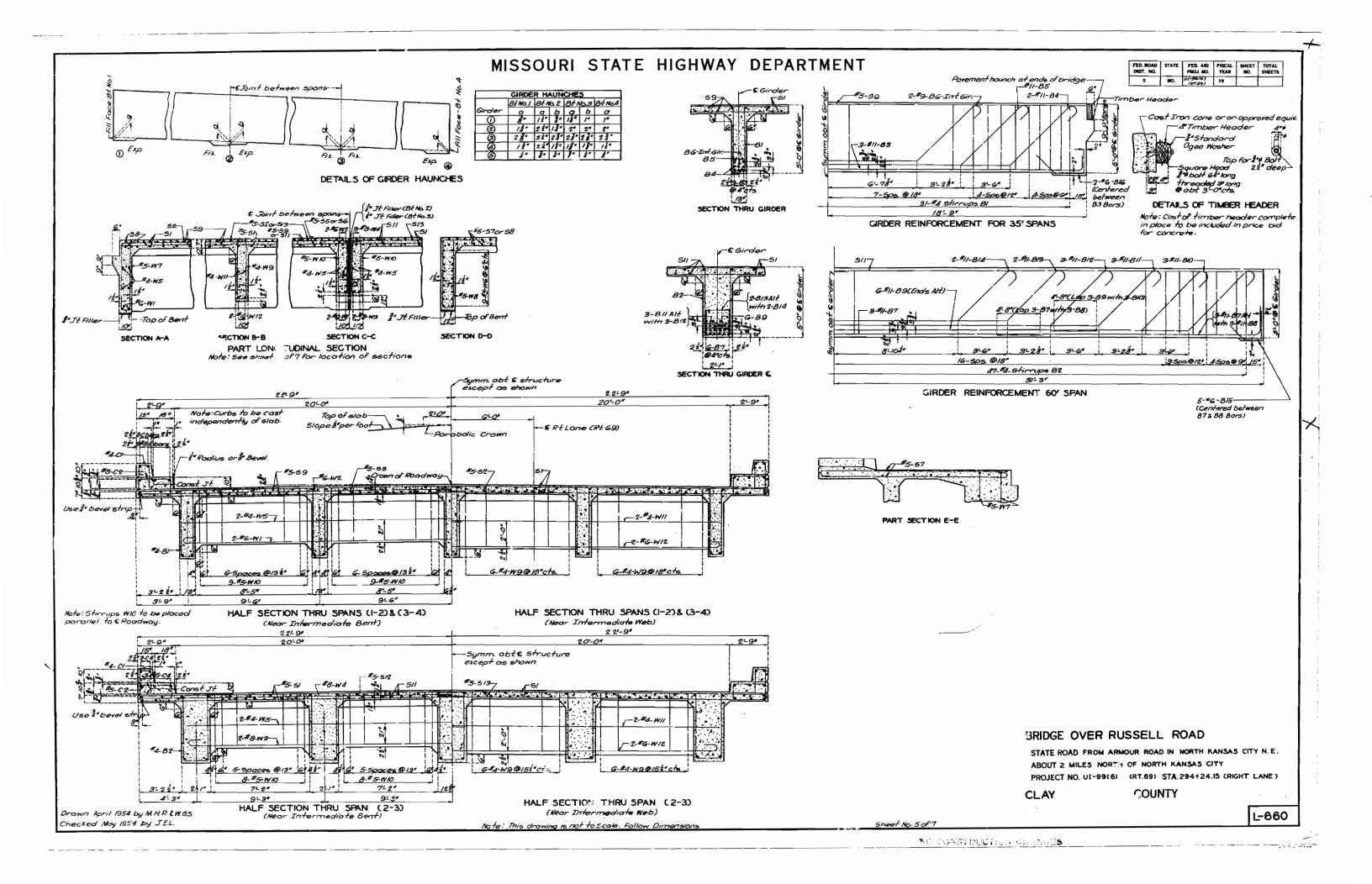
CLAY

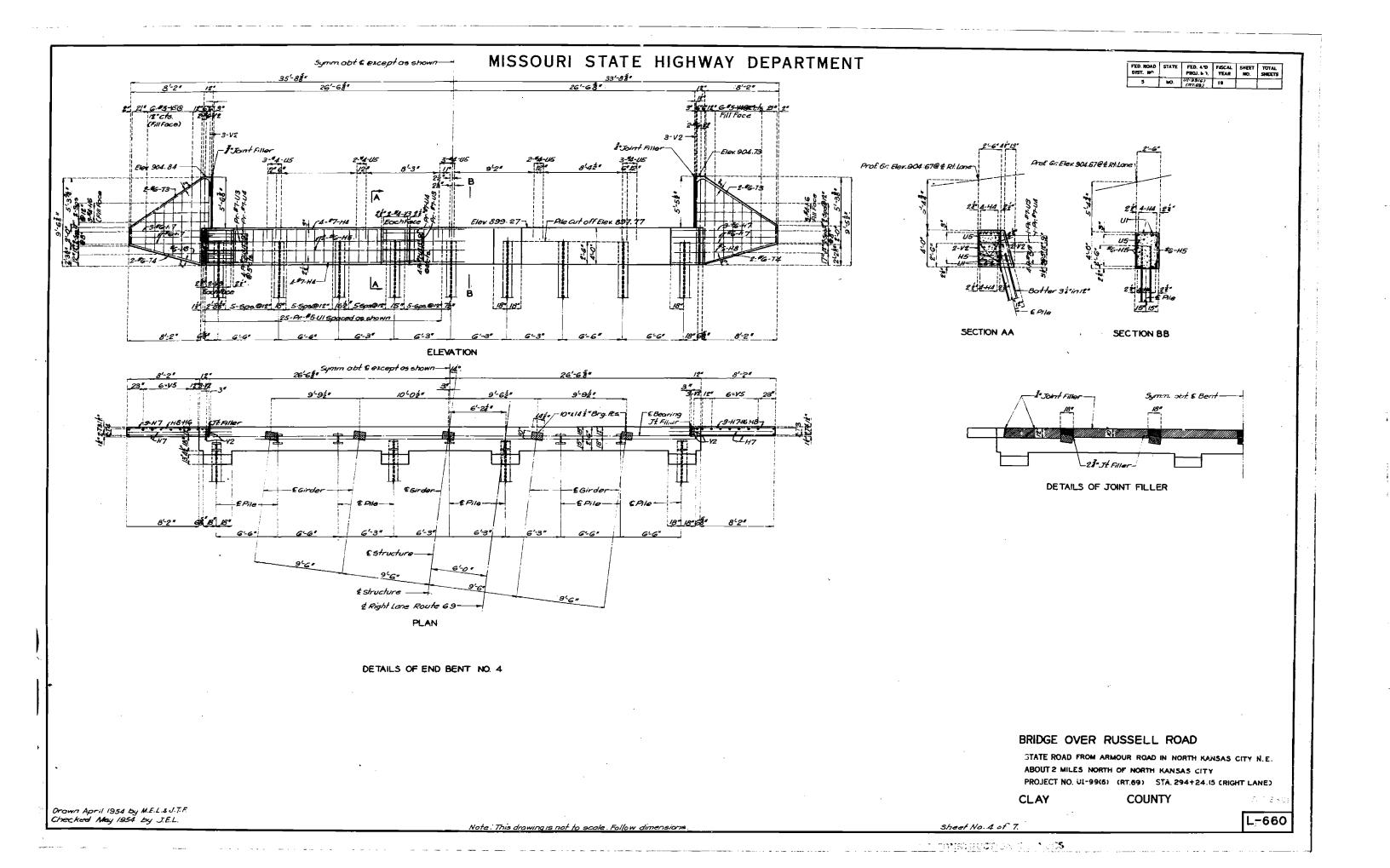
COUNTY

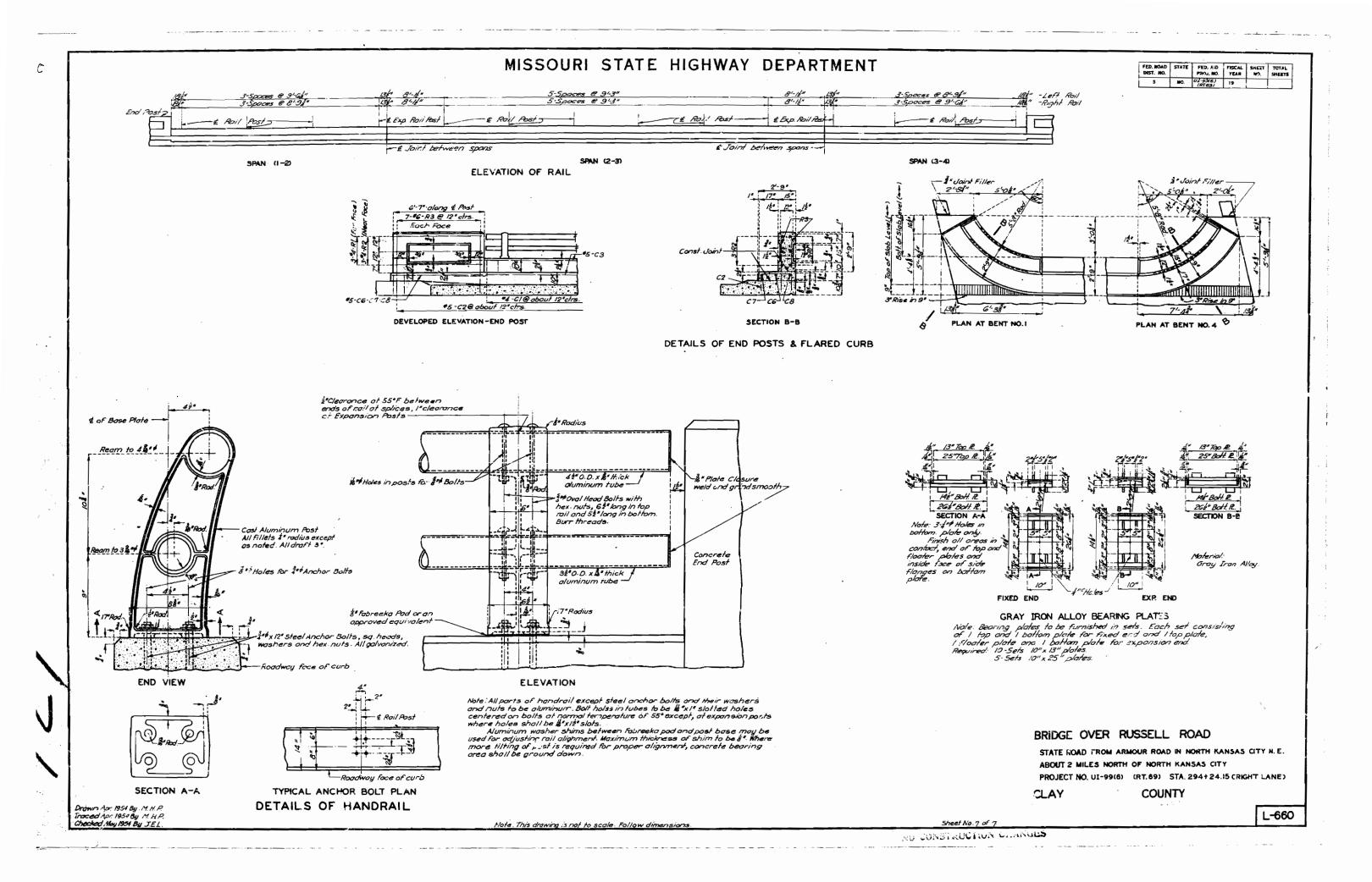
L-660

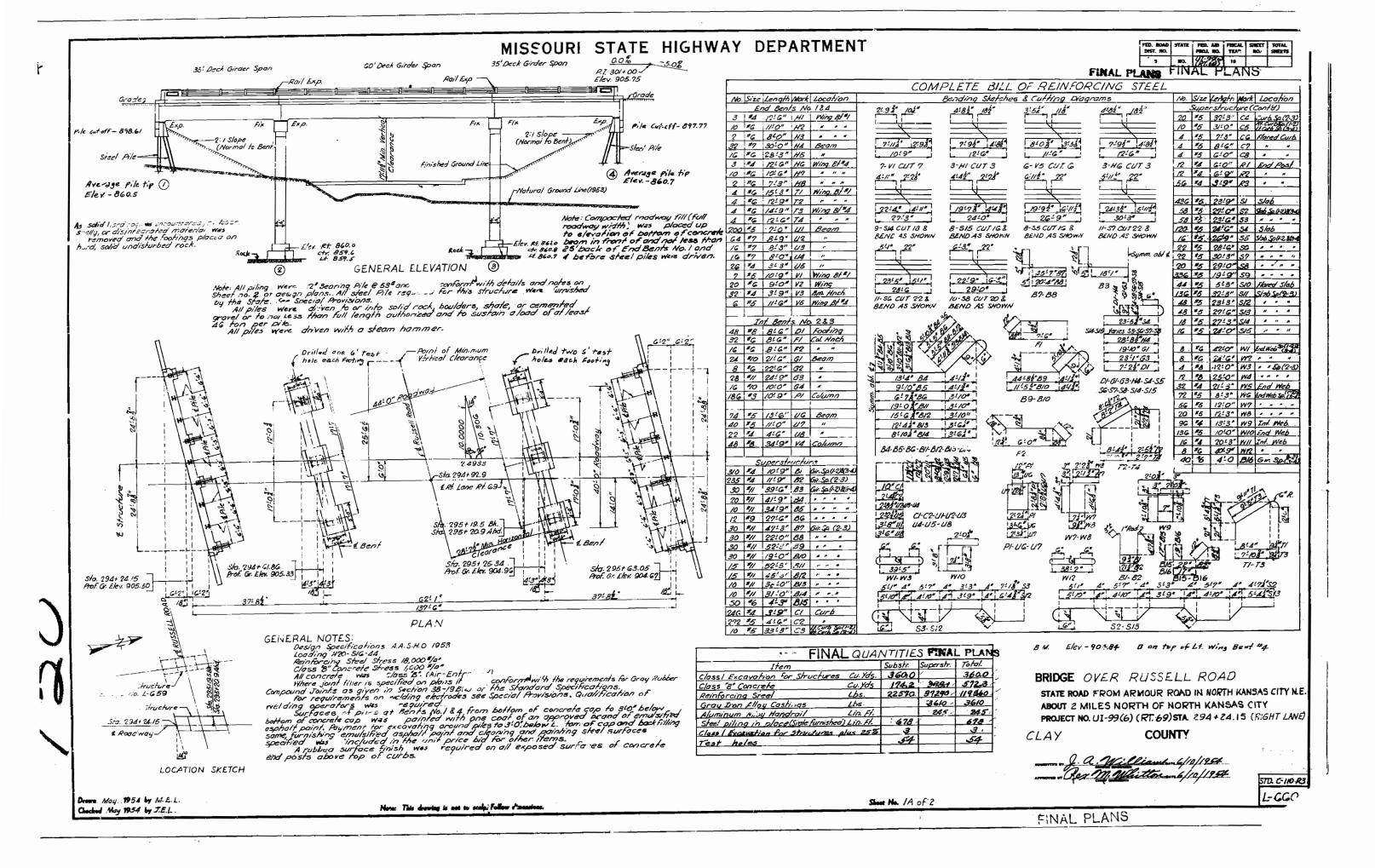
Sheet No 3 of 7

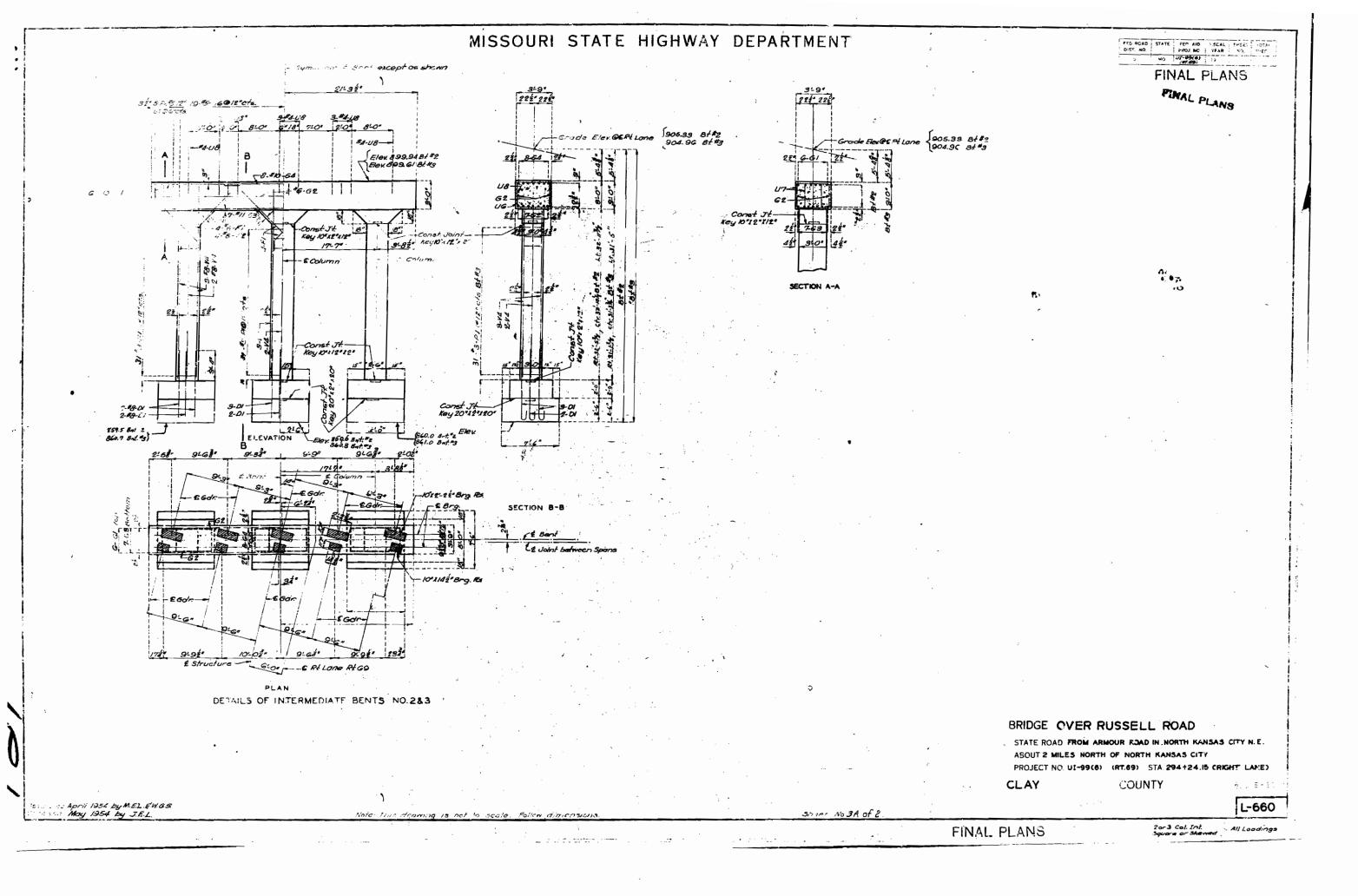
NO CONSTRUCTION CHANGES

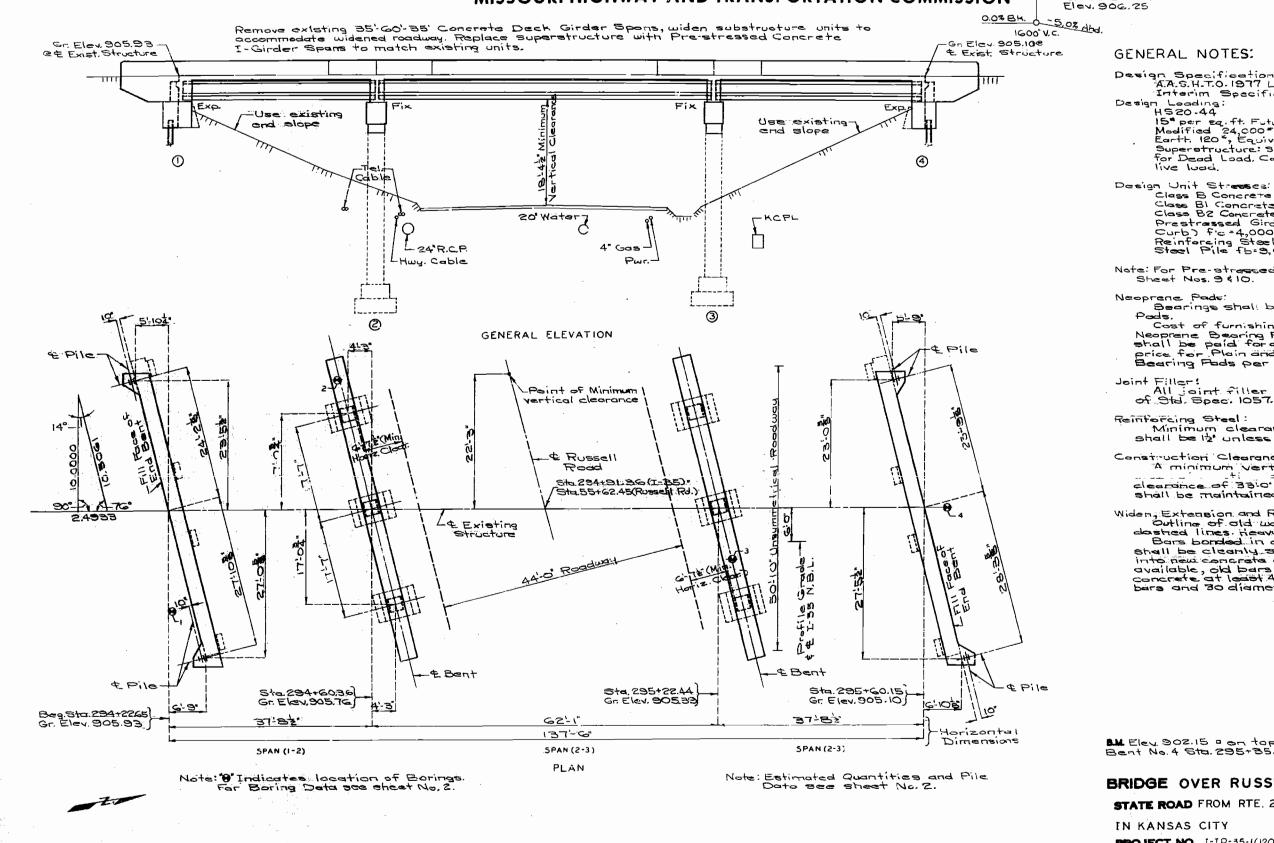












MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

P.I. Sta. 301+00

Design Specifications:
AA.S.H.T.O. 1977 Load Factor Design and
Interim Specifications 1980

H520-44
15* per eq. ft. Future Wearing Surface
Modified 24,000* Tondom Axle
Earth 120*, Equivalent Fluid Pressure 30*
Superstructure: Simply supported non-composite
for Dead Load, Continuous Composite for

SEC. 1412

PED. ROAD STATE PED. AND FESCAL SHEET TOTAL DIST. NO. PROJ. NO. YEAR NO. SHEETS

3 44

TWP 50N RGE 33W.

Class B Concrete (Substructure) fic=3,000 psi
Class BI Concrete (Salety BarrierCurb) fic=4,000p
Class B2 Concrete (Superstructure except Class & Concrete (Superstructure except Prestrassed Girders and Safety Barrier Curb) for \$4,000 psi Reinforcing Steel (Grade Go) ty=60,000 psi Steel Pile fb=3,000 psi

Note: For Pre-streezed Girder Stresser sen Sheet Nos. 9 410.

Bearings shall be 60 durameter Neopreme

Cost of furnishing, fabricating and inetalling Neoprene Bearing Pods complete in place, shall be paid for at the contract unit bid price for Plain and Laminated Neoprene Bearing Pods per each.

All joint filler shall meet the requirement of Std. Spec. 1057.2,4 except as noted.

Minimum clearance to reinforcing steel shall be 12' unless otherwise shown.

Construction Clearance:

A minimum vertical clearance of 13'cs from clearance of 33'0' centered on existing larges shall be maintained during construction.

Widen, Extension and Repair:

Outline of old work is indicated by light dostred lines heavy lines indicate no work. Bans bonded in old concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, old bans shall extend into new concrete at least 40 diameters for smooth bars and 30 diameters for deformed bars.

BM Elev. 902.15 0 on top of Rt. wing Bent No. 4 Sta. 295+35.75

BRIDGE OVER RUSSELL ROAD

STATE ROAD FROM RTE. 210 NORTH

PROJECT NO. 1-12-35-1(120)

STA. 294 + 22.65

JOB NO. 4-1-35-340

RTE. I-35 N.B.L.

COUNTY

STD. 706.35

DATE 1/13/83

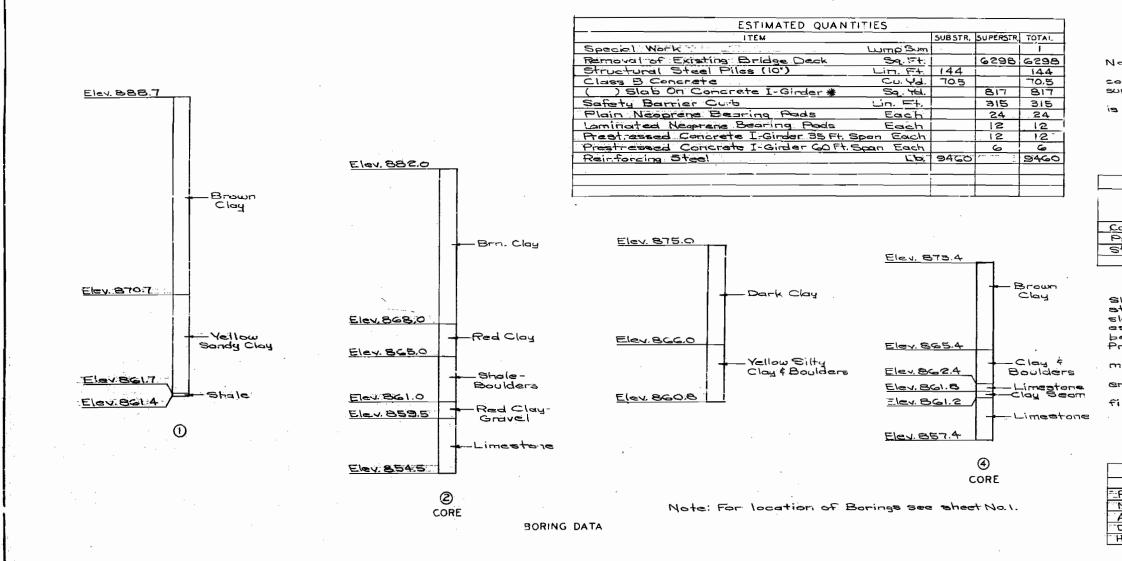
DESIGNED DEC. 1981 CETALED JAN. 1982

Note: This drawing is not to scale. Follow dis-CHECKED FEB. 1882

L-660R

STD.

Short Ma. 1 of 16 . SEE SHILL SEE IS CLAY



222 2000 STATE FED. AID FISCAL SHEET TUTAL CLASS, WILL FROM NO. YEAR NG. SHEETS n 45

All concrete and reinforcement above lower construction joint in and bents are included with superstructure quantities.

Cost of \$ + coil tie rods placed in diaphragms is included in contract unit price for P/S member.

* See Special Provisions.

ESTIMATED QUANTITIES FOR ALTERNA	ATE S	SLABS	
TYPE OF SLAB	REINE	(L.\S.)	CONC.
		PLAIN 27230	
		5860 27230	
	70250	2 1230	21/18

The table of Estimated Quantities for Alternate Slabs represents the Quantities used by the state in preparing the cost estimate for concrete slabs. Variations may be encountered in these estimated quantities but these variations, cannot be used for an adjustment in the Contract Unit Price per square yard of Alternate Slab used. See Special Provisions for alternate methods of forming slabs.

Precast panel quantities based on skewed end panels.

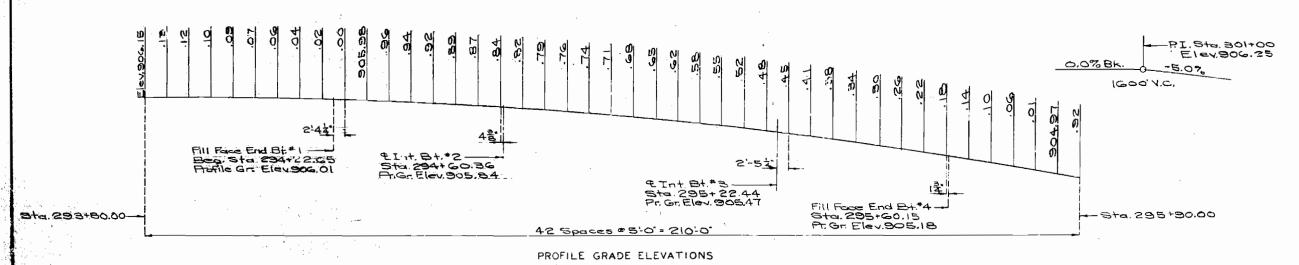
end panels.

** Does not include concrete required to fill corrugation of S.I.P. forms.

PILE DA	TA			
BENT NO.		2	3	4
Pile Type and Size	HP10x42			HPIOx42
Number	2.			2
Approximate Length Ft.	37 /			35
Design Bearing Tons				26.3
Hammer Energy Required Ft. Us	7000		· · _	7000

Minimum energy requirements of hamner based in length and design bearing value of piles.

All piles of all be friven to practical refusal.



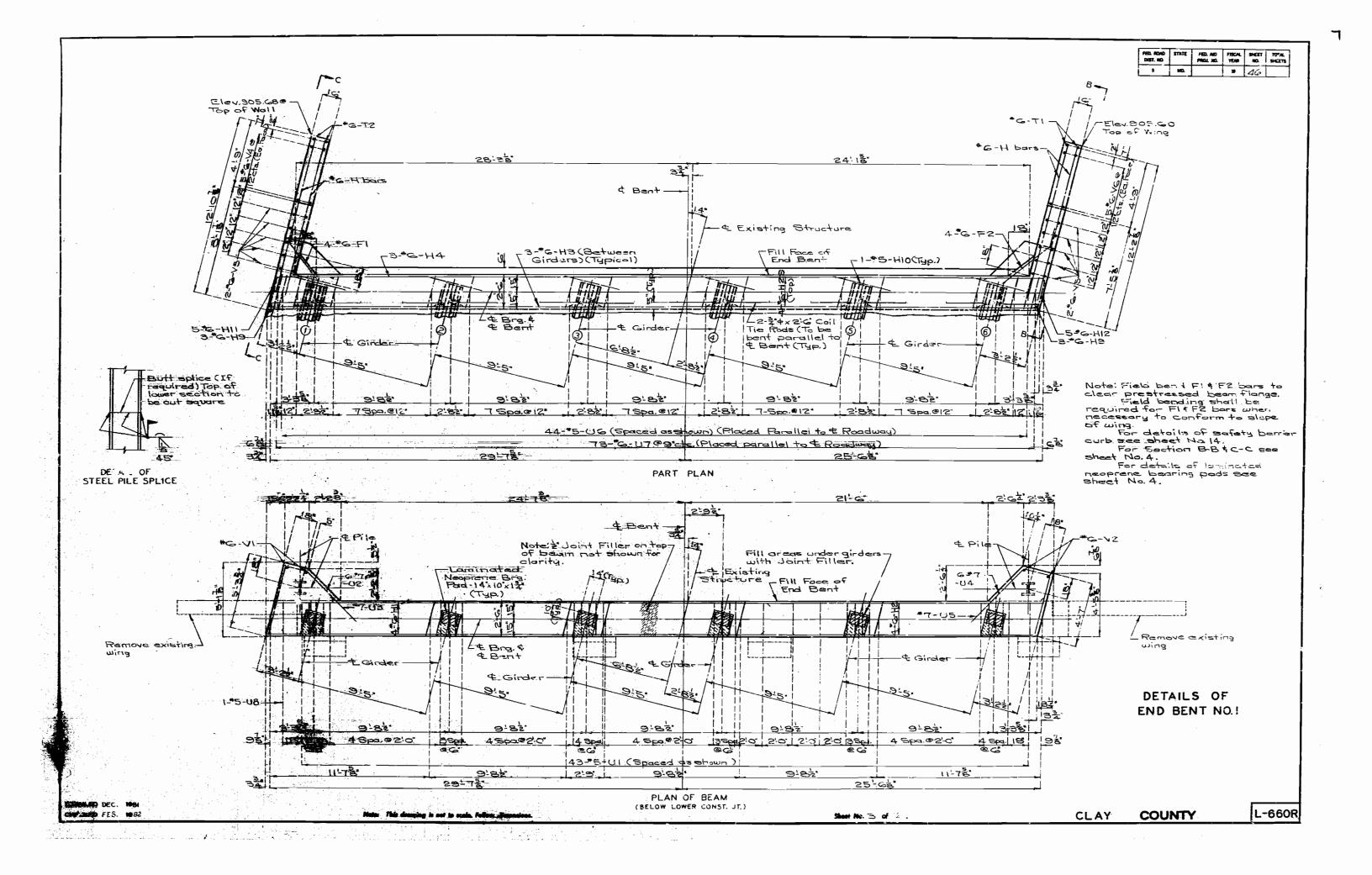
DETAILED HOV. 1981 CHECKED FEB. 1982

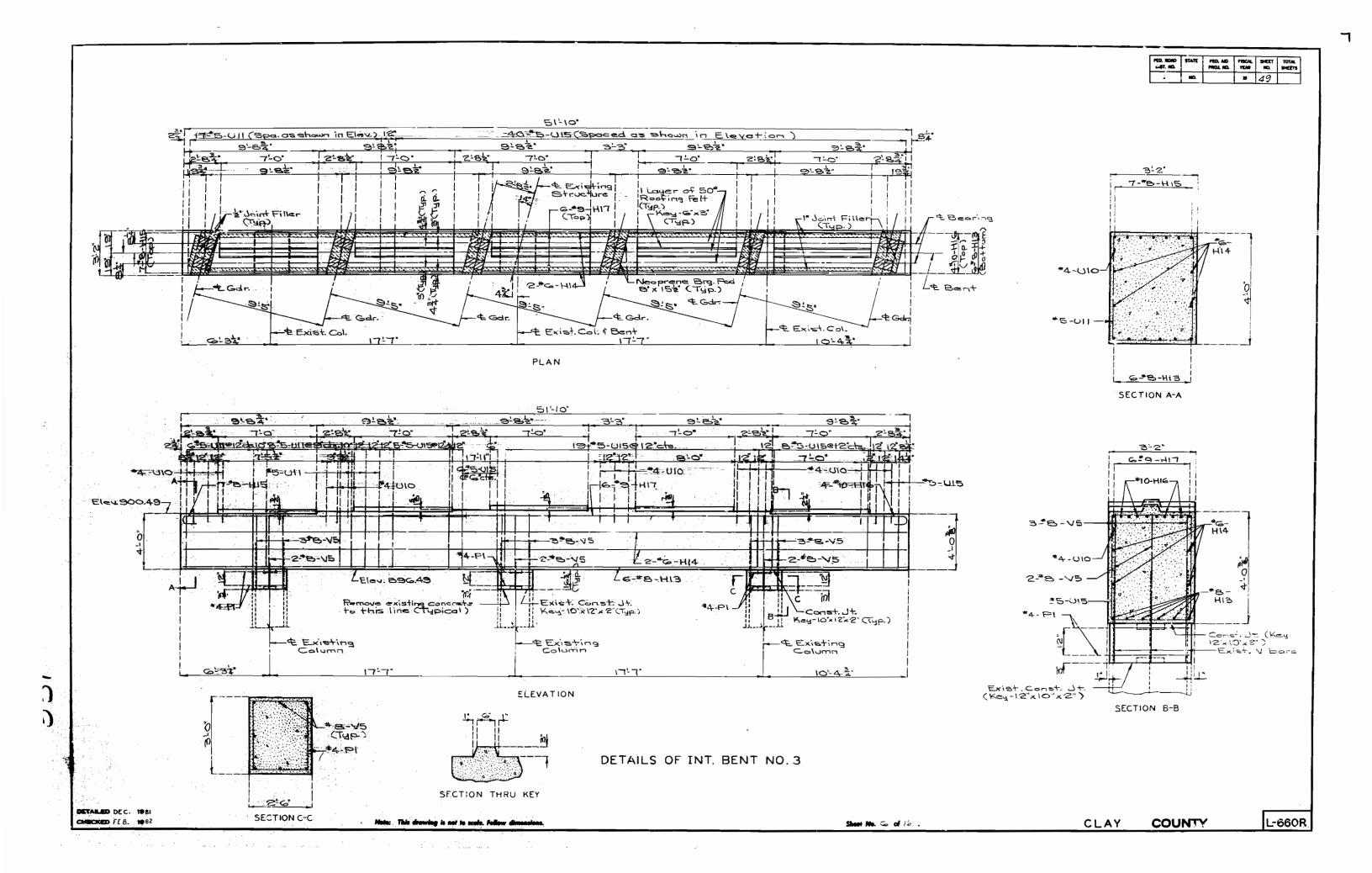
Note: This drawing is not to scale: Follow dimensions

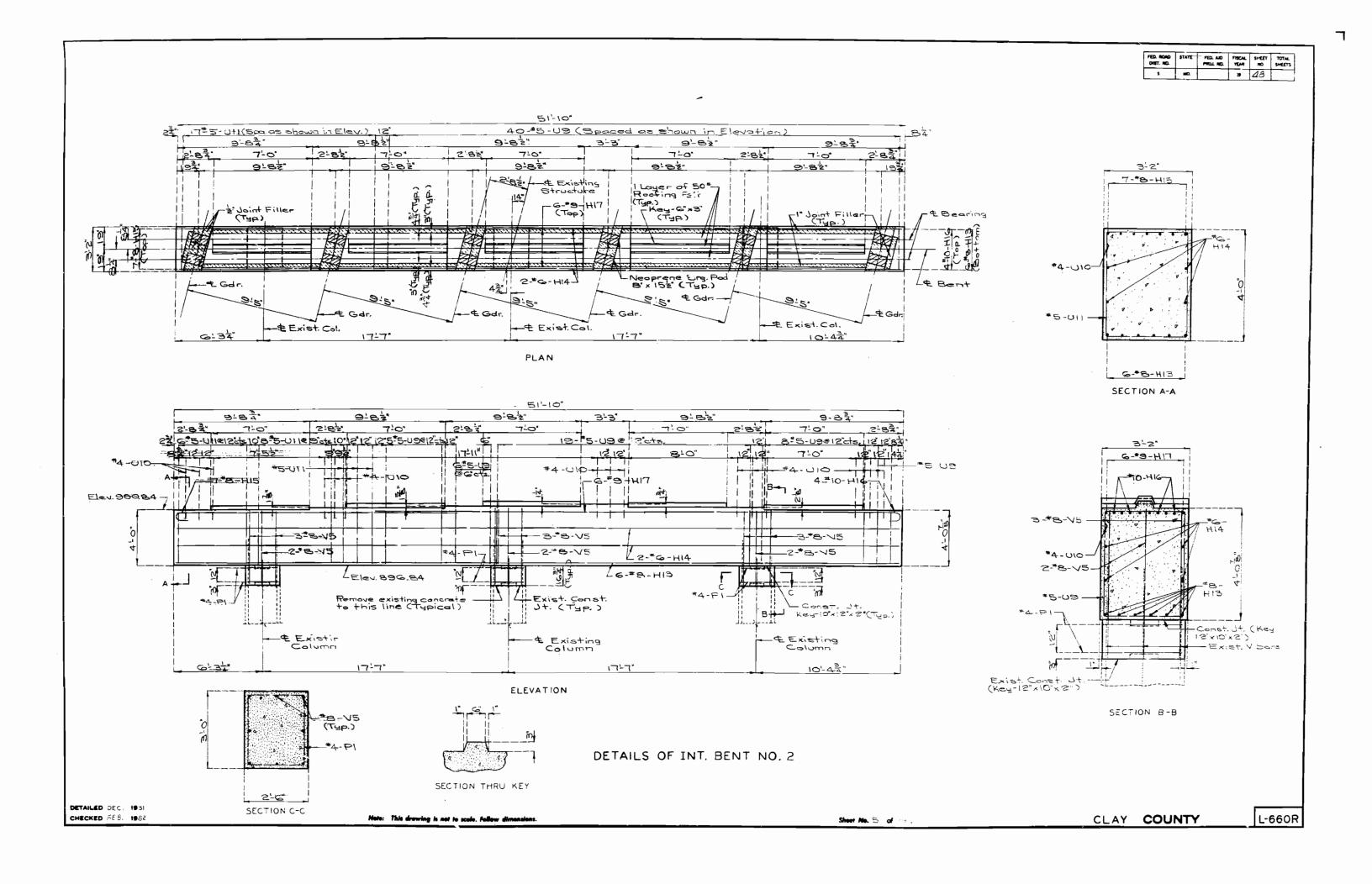
Sheet No. 2 of 16 .

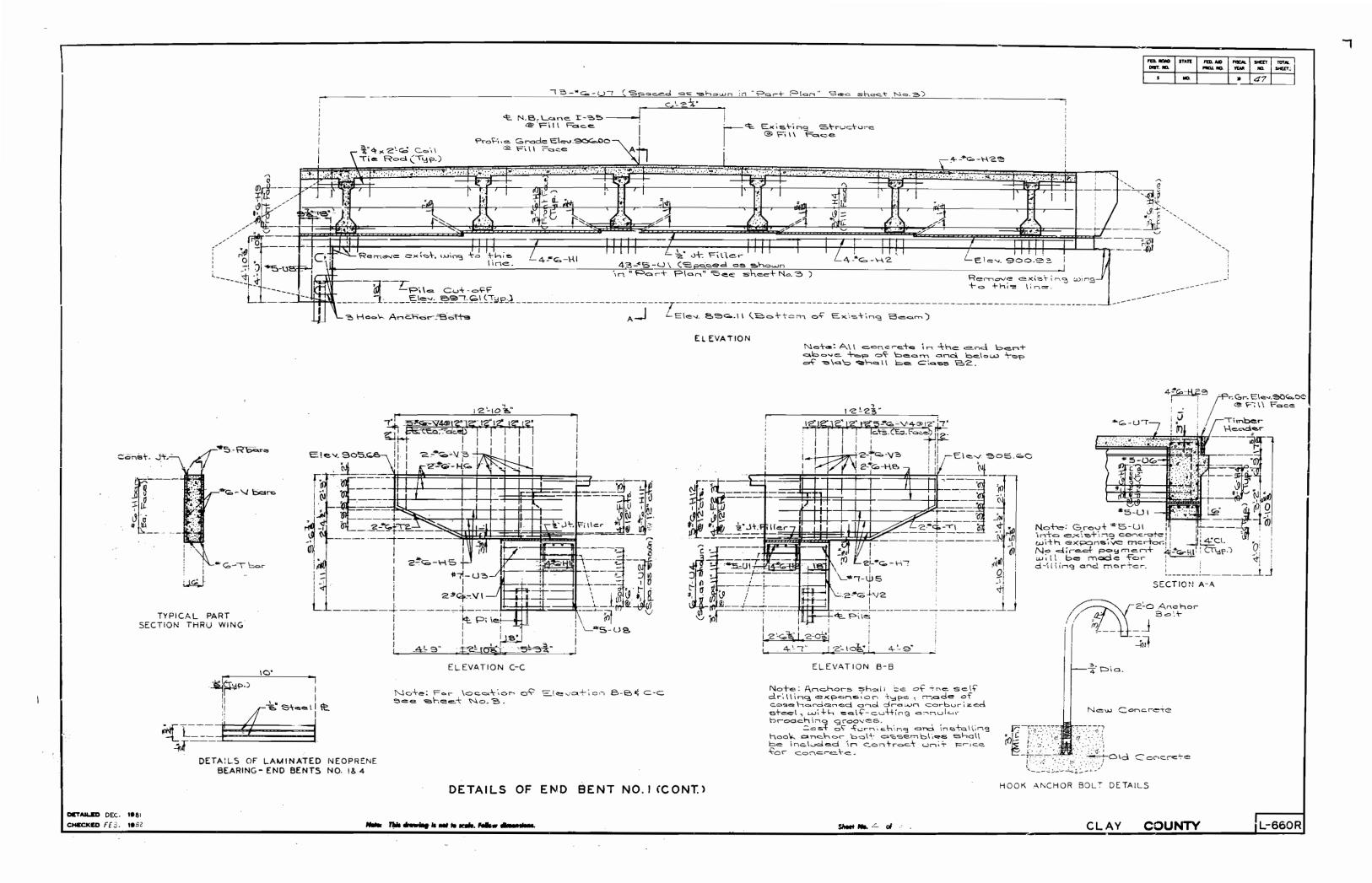
COUNTY CLAY

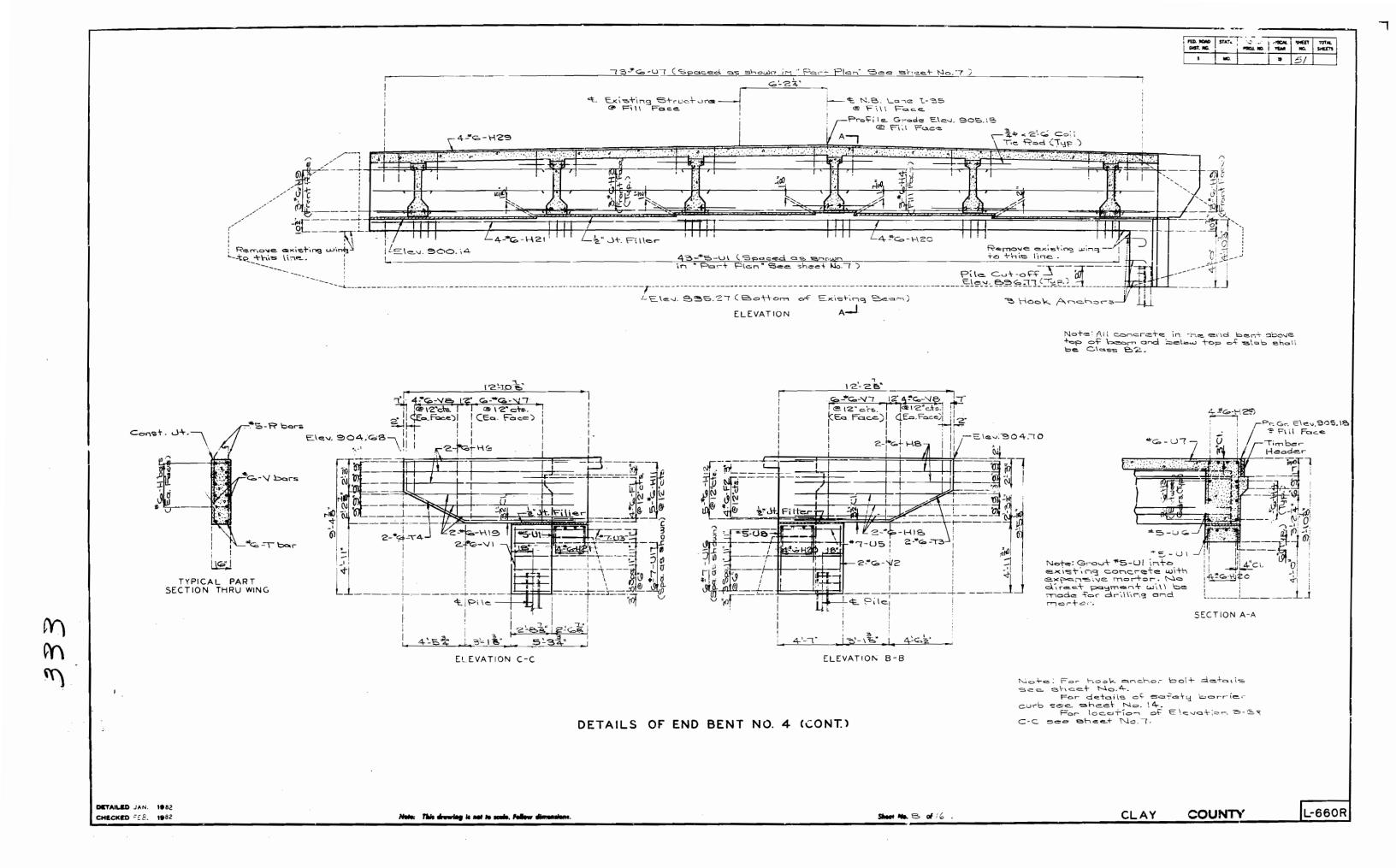
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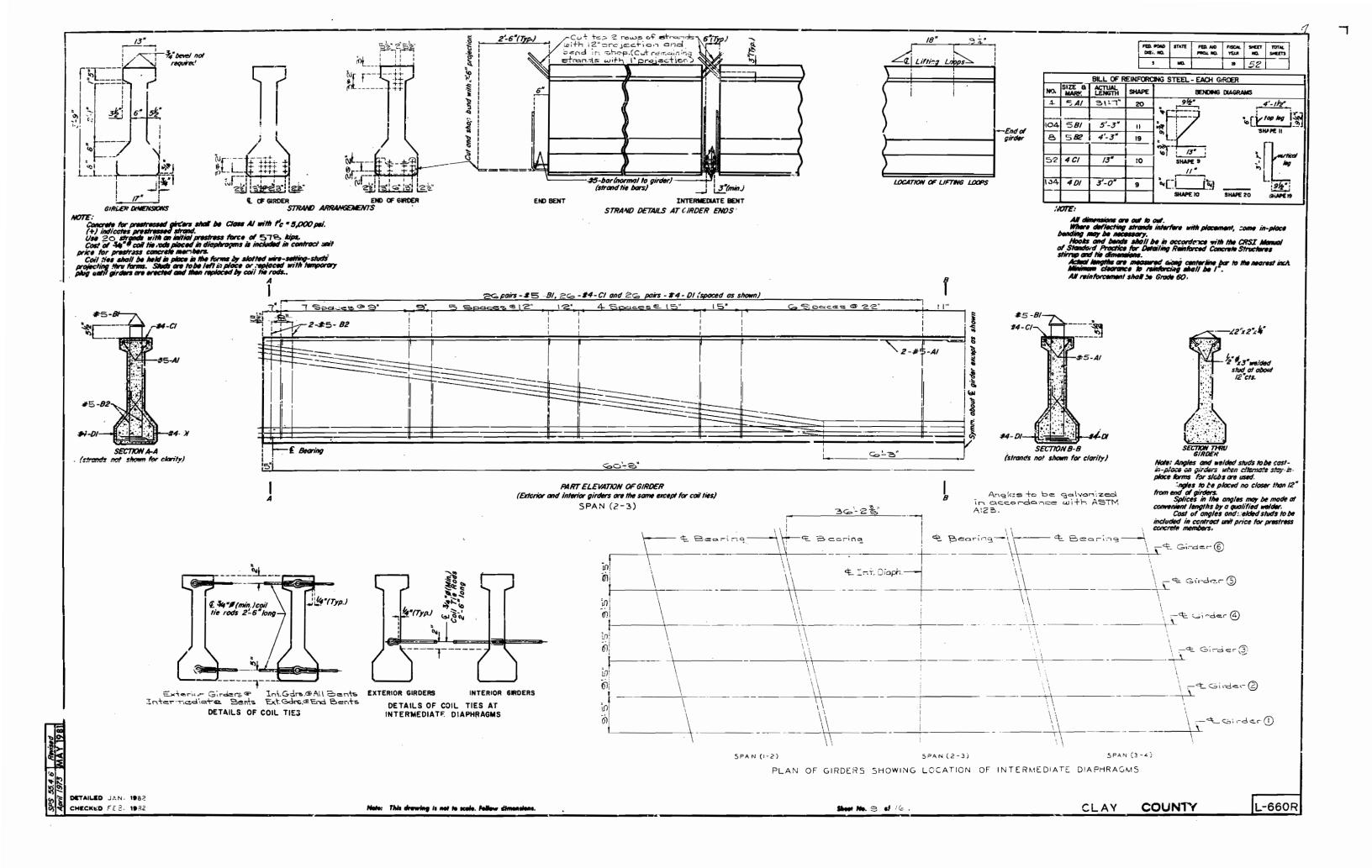


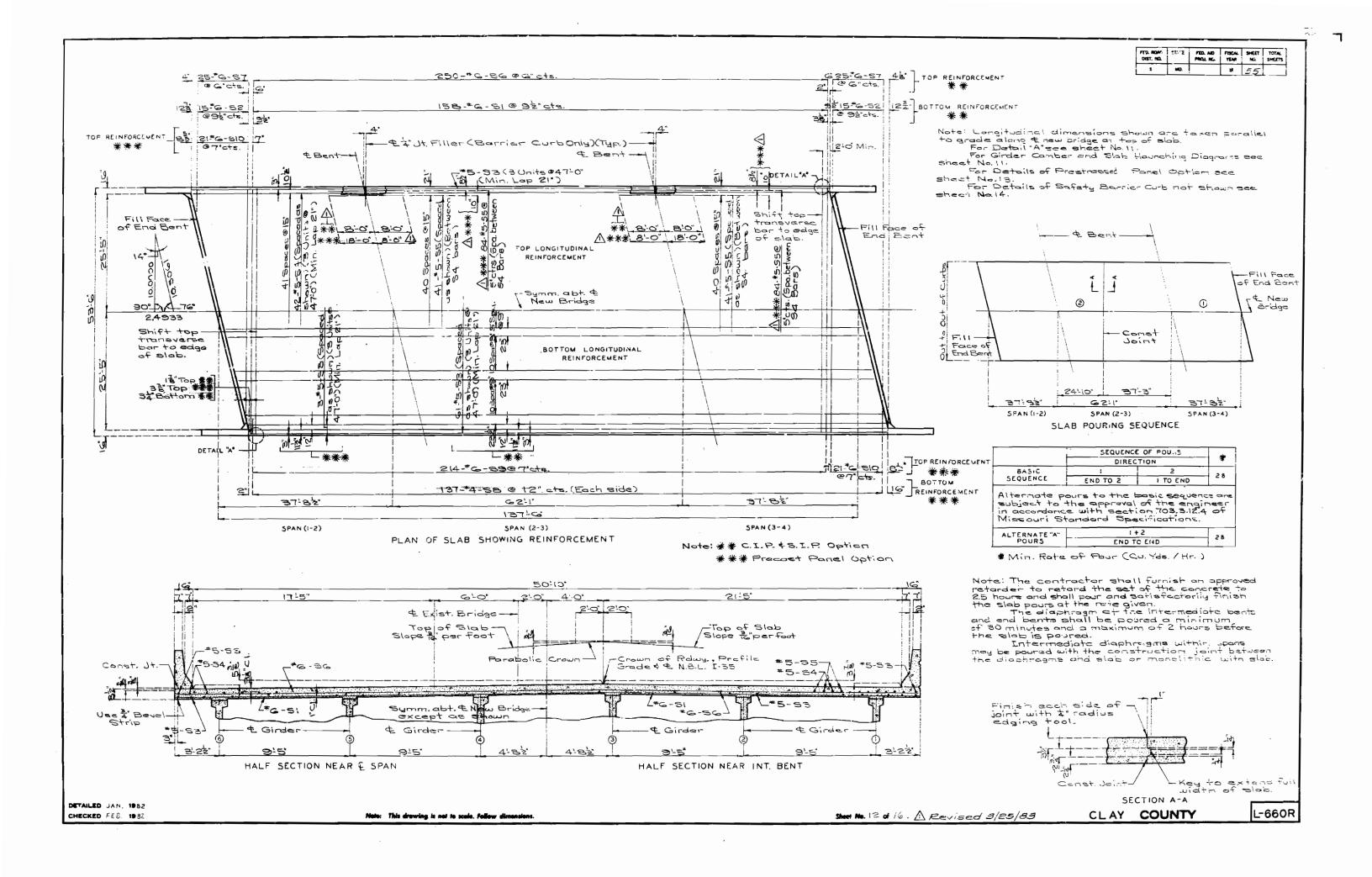


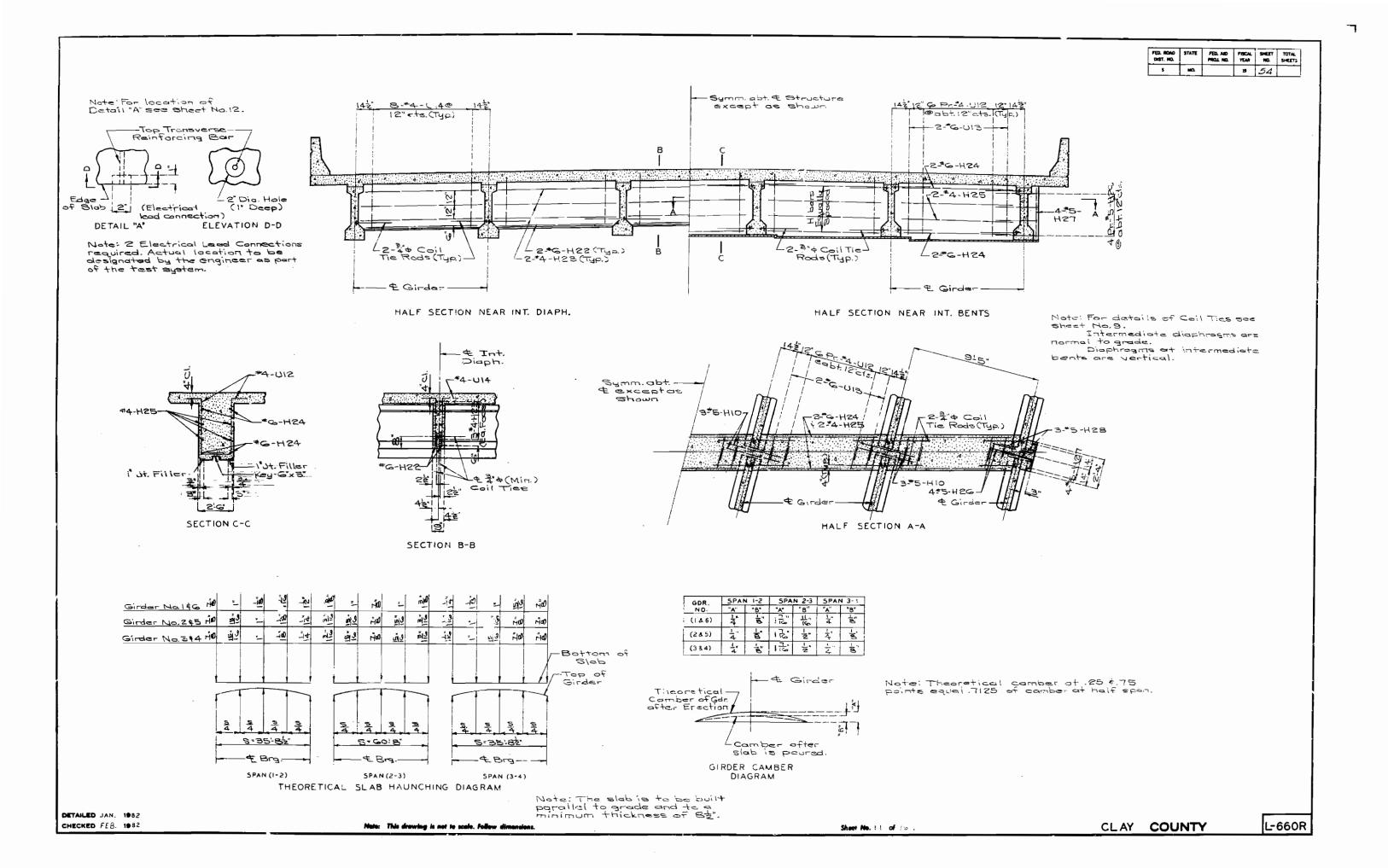


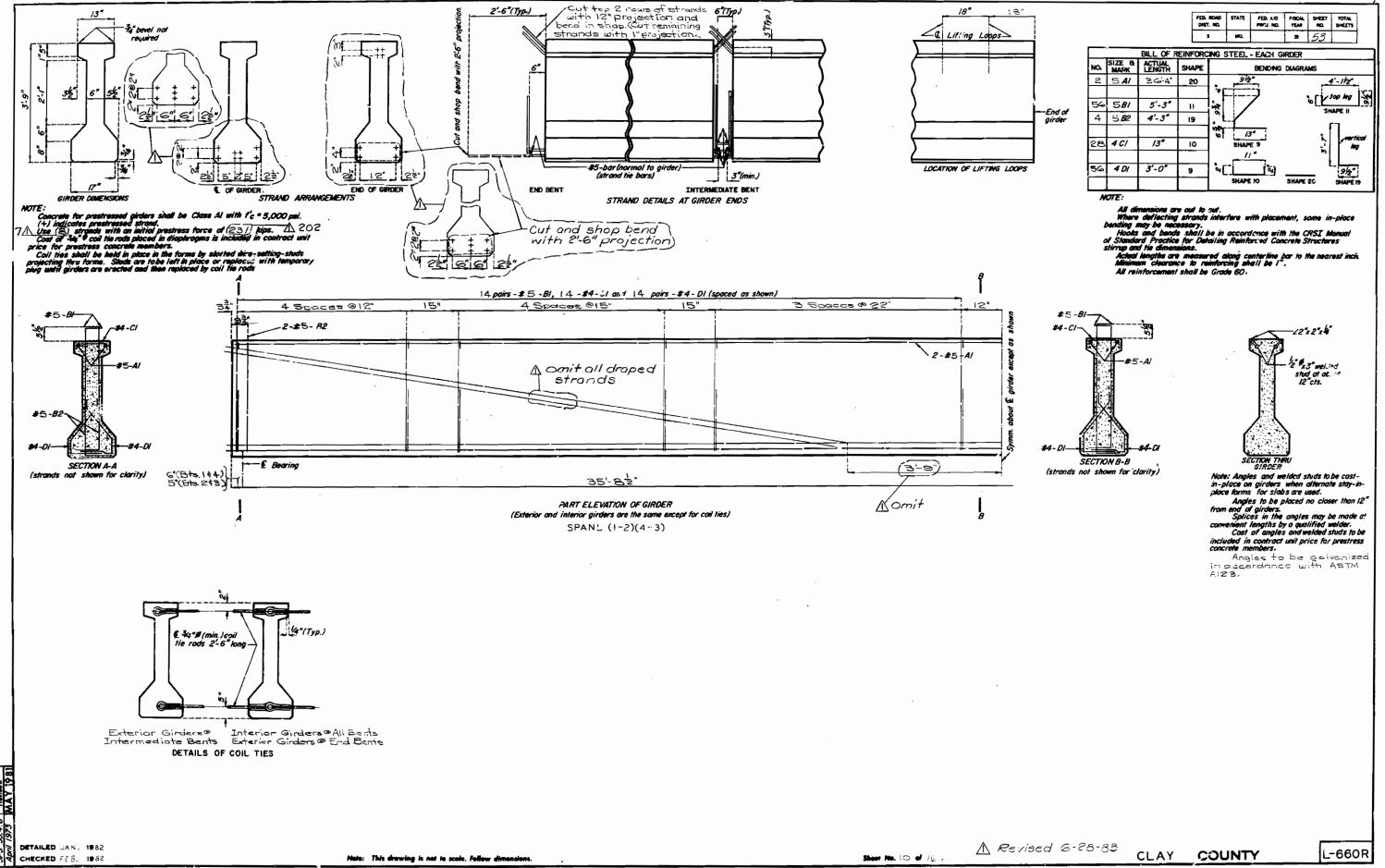




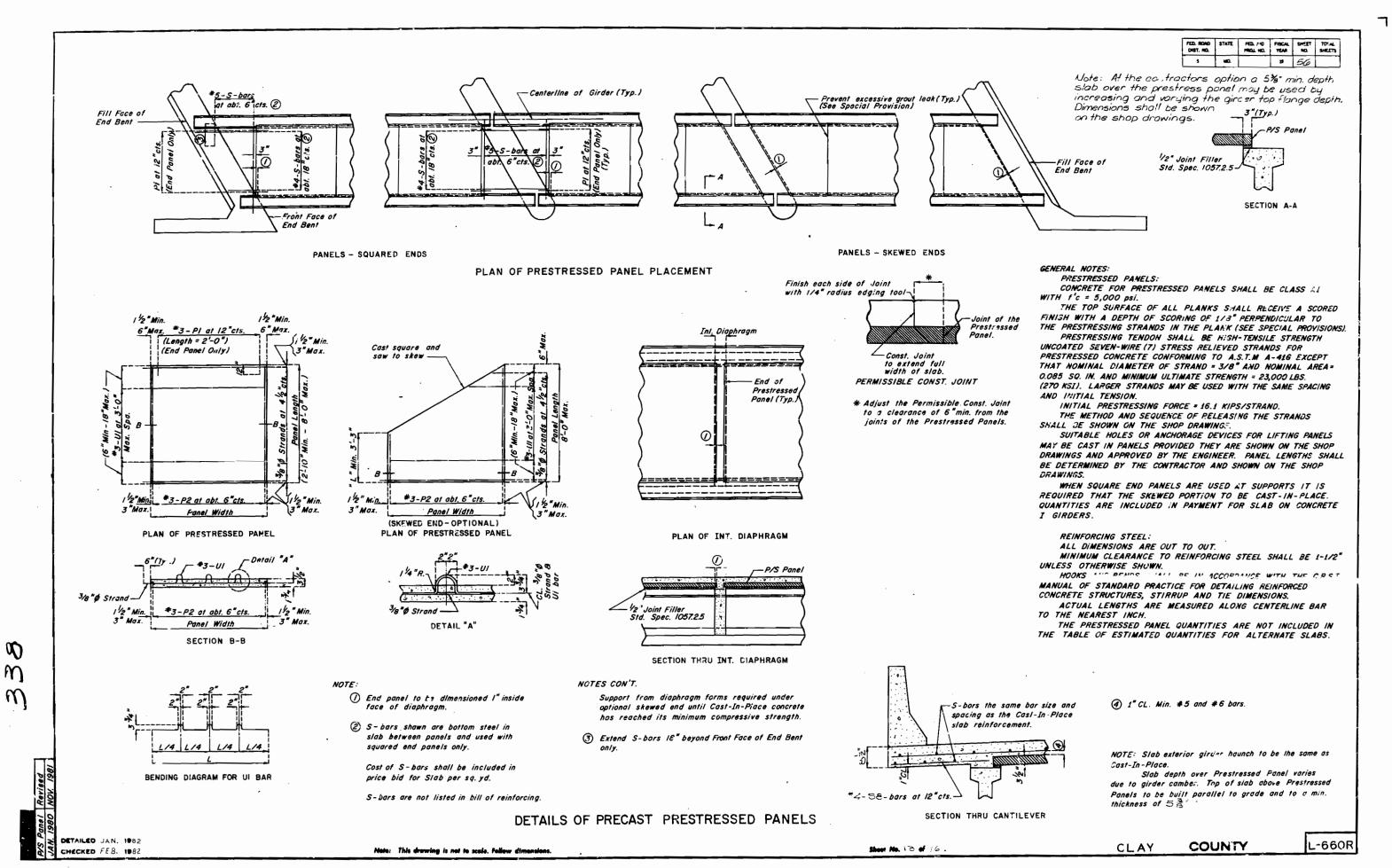


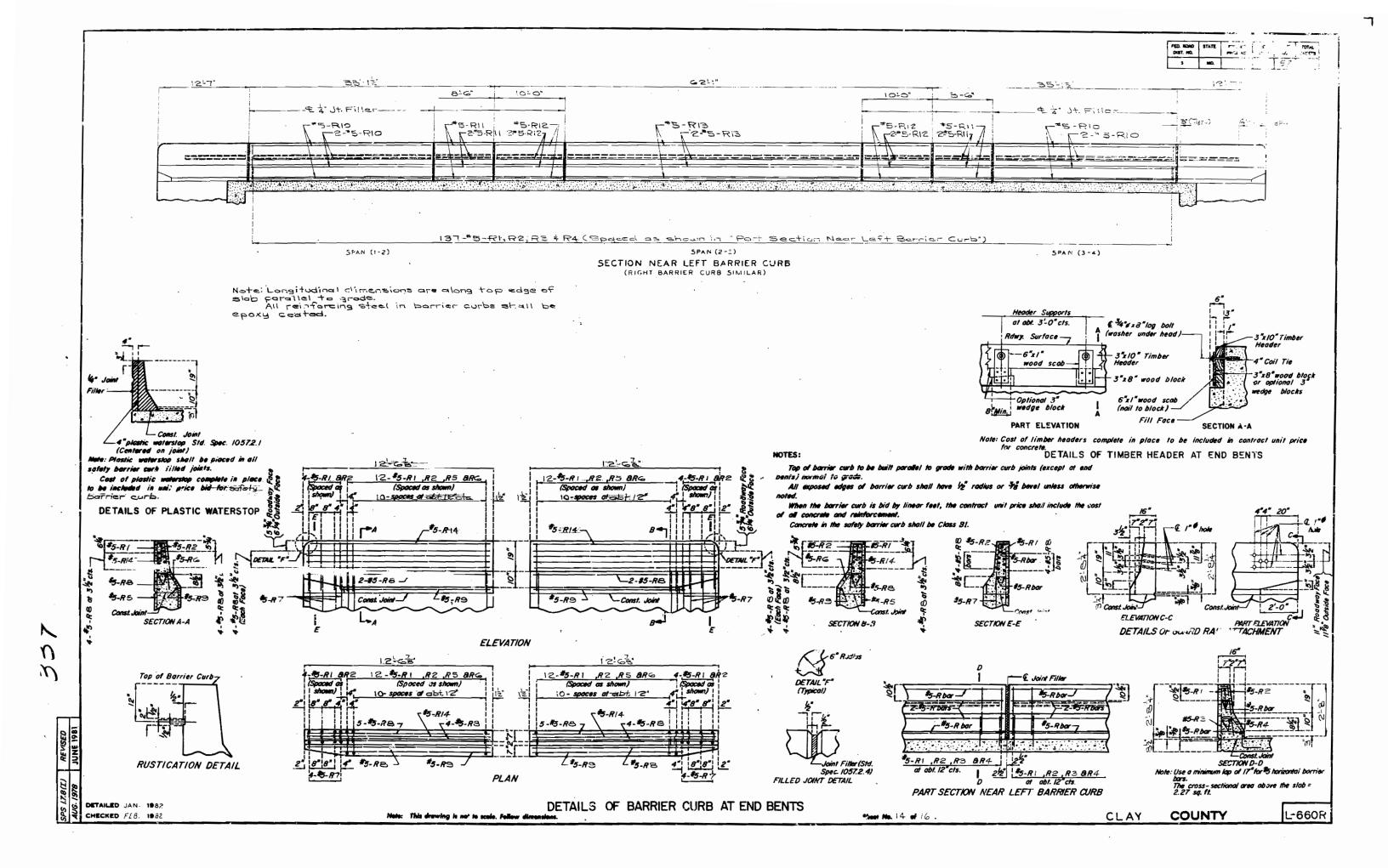






55.4.6 Revise





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6 7U2 1 7U3	BEAM PEAM		x	5 0.	75	21.000	2 10.625			2	6.000	2 5.375 4 0.750	21 7	11 5	23		2	1000				1	7	11017	3.00	-	#			1	= "	Ŧ	1	SIZE (IN.) HOOK HOOK APPROX.
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(8H1)			 ,	F1 7.0	000					+			51 7	51 7	826	!——	6F1 6F2		DIAPHRAG			_		3 4.500 4 4.750			.750	8.750 11.250	8.750	_	3.750 5 1.250 6	5 9 5	_	34 4d on ≥ 180° 90° < 180°
4 6HL4	BEAM	20	×	51 7.0	000					+			51 7 21 1	$\overline{}$	310 394					_	+++		-+							-		-		SIZE OF 180° HOOKS (GRADE 40 KSI.) SIZE OF 30° HOOKS (ALL OR AND 180° HOOKS (GRADE 60 D = 5d FOR #3 THRU #1! D = 6d FOR #3 THRU #1!
4 10416	BEAM	17		21 2.0	100			<u> </u>	#	1			22 7 38 7	$\overline{}$	389 787		6H3	DIAPHR		20 20		7 8 54 10				+	=F			+-		7 8 7		173 D=10d FOR #14 AND #18 D=8d FOR #9, #10 AND #18 247
6 9H17	BEAN		\Box	37 4.0	1					+						6	6H5	WING	18.500 II			2 B 3	$\overline{}$				-				_	3 3 8	_	BEND HOOK DIMENSIONS
6 4P1	COLUMN			2 3.0	00 2	9.000	2 3.006	2 9.00	00	#	=		10 9	10 4	42		6H6	WING		29	11.		.000			+	_			1	11	911	9 1	106 BAR GRADE 40 GRADE 60 ALLGRA
			Ш							#							6H8		18.000 15		##	16 5	.500				_			+	10	1 1 11	ó	81 #3 5" 2-3/4" 5" 3" 6" 100 #4 6" 3-1/2" 6" 4" 8
40 509 :5 4010	BEAM BEAM	10 5				6.000	2 11.000			\pm			14 5 3 11	3 9	588 38	6	649	DIAPHR		-	##	2 4	.000			+	丰			+=	2	4 2	4	100 #4 6" 3-1/2" 6" 4" 8" 21 #5 7" 4-1/2" 7" 5" 10 24 #6 8" 5-1/4" 8" 6" 12
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6 8H13			_	51 7.0	000	_			+	-			51 7	51 7	926	i — +	906 607	DIAPHR	AGM & SLAS		5	2 4	_	4 0.000 4 1.500	2 4.00	0 4 0	.000		<u>-</u>	+	_	7 13 5 8		905 NOTES: ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEC. BENT WITH SAME PROCEDURE AS FOR 90 DEG. STD. H
4 6H14 7 8H15	BEA4	20	X	51 7.0 20 2.0	00					+	_		51 7 21 1	51 7	310 394	-		-			\prod	1	-			-				\top	\exists	7	_	HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET.
4 10H16	BEAM	17	×	21 2.0	000				1-	丰	_		22 7	22 7	389 787	20	_	WING		20	\Box	4 2 4				-				F		5 2		E - EPOXY COATED REINFORCEMENT. S - STIRRUP.
8 7111	ECAT	#	14			==1				+	\Rightarrow							INCR =	5.750 IN			1 4				-	-				- 1	4 4	4 10	101 X - BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIE V - BAR DIME" "ONS VARY IN EQUAL INCREMENTS BE
6 4P1	COLUMN		-	2 3.0	200 2	9.000	2 3.000	2 9.00	00	丰			10 9	10 6	42			END 8	ENT NO. 4		##	1	_			1						-		V - BAR DIMENT ONS VARY IN EQUAL INCREMENTS BI DIMENSION. SHOWN ON THIS LINE AND THE FOI LINE. NO. EA NUMBER OF BARS OF EACH LENGTH.
					\pm					士					584		6F1		DIAPHRAGE		##	1	.250 3	3 4.500	14.25	0 11	.250	8.750	11.250	c a	.750 5	9 5	8	NO. EA NUMBER OF BASE OF SACH LENGTH. NOWINAL LENGTHS - ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND A
40 5015 15 4010	BEAM	10 5	s x			6.000	2 11.000			\pm			3 11	3 9	38	1	6F2	WING &	D EAPHR AGH	23	111	14	.250 4	4.750	14.25	_	.750	11.250	8.750		.250 6	9 6	9	LISTED FOR FABRICATORS USE. (NEAREST INCH) ACTUAL LENGTHS-ARE MEASURED ALONG CENTER BAR TO THE NEAREST INCH.
17 5011	BEAM	15 5	s x	2 11.0	3 3	9.000	2 11.000	3 9.00	001	_			14_3	13 11	247	6	6H29	DIAPHR	AGM	70		54 10 2 4	.იაი				\Rightarrow			#	2	8 7	4	BAR TO THE NEAREST INCH. 21 173 PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS
24 avs	CCLUMN		x	5 3.0	000					\pm			5 3	5 3	336	3	6H3 6H4	DI APHR		20		7 8 54 10	.000								54	10 54	10 24	247
			H		+				$\pm \overline{}$	\pm						6	6H6	HING HING		20	\Box	11 9 11 1	.000							+-	11	9 11	1 1	100 Two addition #4.012, #5-R11 \$ #6-07
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4 6420	BE AM	\rightarrow	\rightarrow	33 8.	000							_	33 8	33 8	202	5	6412	O1 42 HR	AGM	21		2 3	.075 5	1.250					2 3.000	c]6	. /50 7	5 7 K ^	2] :	54 K F
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C C	H			<u> </u>	L.				SKA	PE 14		SHAPE	~~	SHA	LPE 17 2)-e	н /	В	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	To Take	SHAPI	E 23	"[_	K D	CK SHAPE 26	L C	/	عالــــ		<u> </u>	В	D _n	Š.	:1 c\ H
9	SHAPE 8	SHAPE 9	SHAP	<u>)</u> 2 10 3	HAPE I	II SH	IAPE IZ S	HAPE 13			√ €	B - AE	TICAL	SHA	PE 16 2		1./_	C .	SHAPE 2		\c	c/H	SHA	APE 25	SHAPE 26	SHAF	E 27	SHAPE	25 SH	IAPE 29			D/.H	#J 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SHAPE 7	CEDT 1860								К	С	F	L		SHA	NPE 20	7	SHAP	PE 21			SHAPE										SHAF		HAPE 32	32 SHAPE 33
DETAILED S	EPT. 1982 SEPT. 1982									NPE 15 nis drow		SHAPE to scale. F		imensio	ns.		BEI	NDING	DIAGRAS	AS .						Shee	t No. 15	of Ica						CLAY COUNTY L-6

Note:

All concrete and reinforcement above lower construction, joint in end bents are included with superstructure quantities.

Cost of \$ + coil + = rods placed in diautrogens

is included in contract unit price for P/s me ...ec

QUANTITIES FOR	51	LAB	
	SLAB ON		
TYPE OF SLAB	REINE	(L85.)	CONC
	E POXY	PLAIN	CU_YD.
Frecost Funel Forms	37150	ಽ೪೪	2234

The tob = of Estimated Quantities for Alternate The tol 2 of Estimated Quantities for Albariate Slobe represents the Quantities used by the state in Diephring the cost estimate for concrete slobe. Variations may be encountered in these estimated quantities but these variations cannot be used for an adjustment in the Contract Unit Price per square yard of Alternate Slob used.

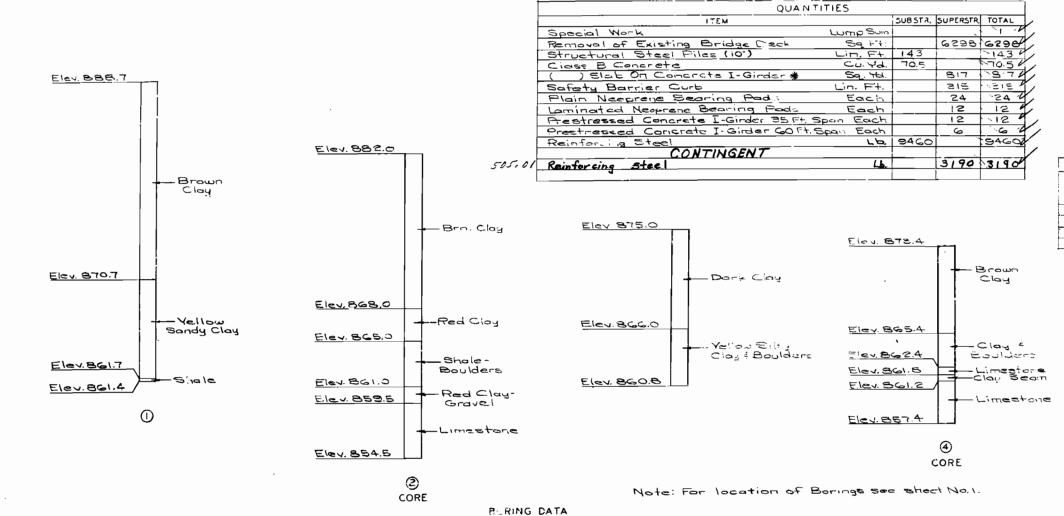
See Special Provisions for alternate methods of forming slabs.
Precast our layer tites based on skewell

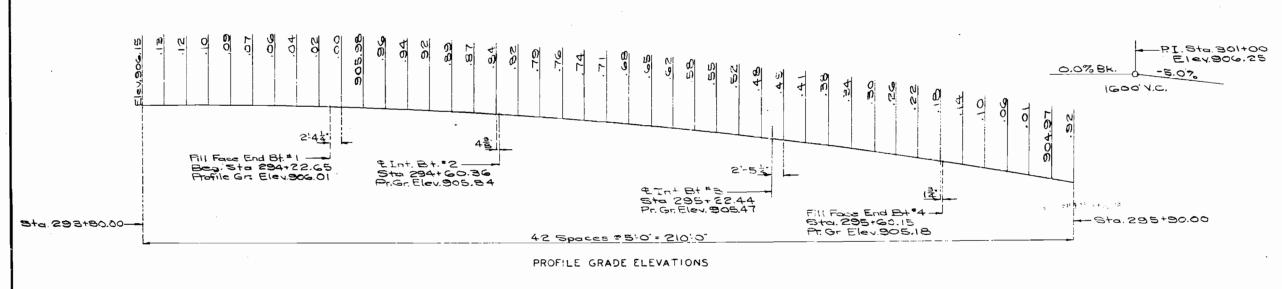
and corela

PILE DA	TA			
BENT NO.	1	2	3	4
Pile Type and Size	HP10x42		1.	HP10x42
Number	\s_			∕.S
Approximate Length Ft.	. 37			`3 6
Design Bearing Tons	6.93			26.3
Hammer Energy Required Ft. Lbs	7000			7000
			•	

Mínimen energy requirements of hamirer basai on than length and design bearing value of tiles.

All piles were driven to practical refusal.





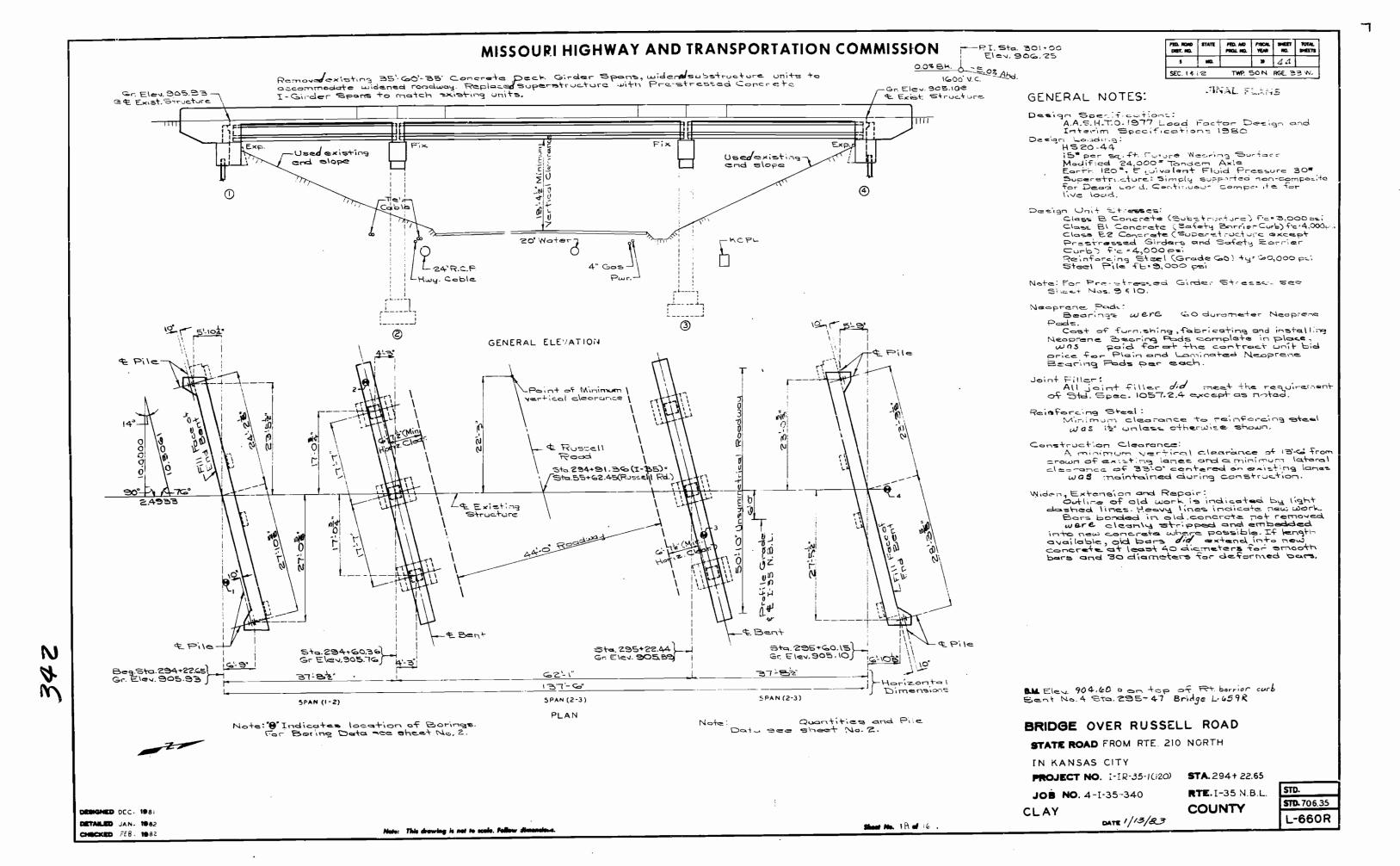
DETAILED NOV. 1981 CHECKED FEB. 1982

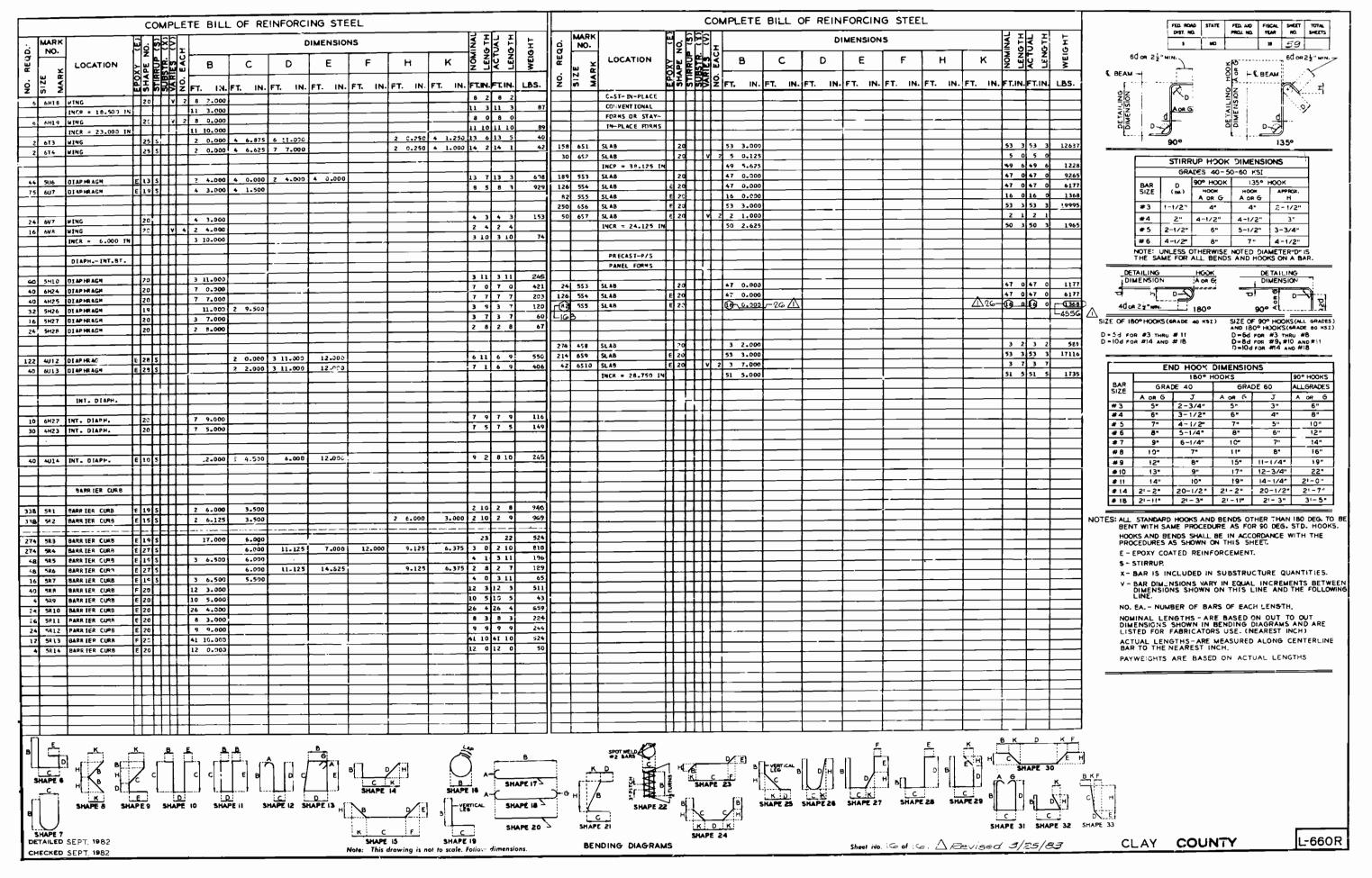
Note: This ying is not to scale. Follow dimensions

Shoot No. 2A of 16 .

CLAY COUNTY

L-660R







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

COUNTY: CLAY L0659 R REVIEW STATUS: APPROVED **BRIDGE:** NBI STATUS: 3/7/2024 2023 ROUTE CARRIED 'ON' STRUCT RUN DATE: **SUBMITTAL YEAR:** RECORD TYPE: GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION ROUTE CARRIED 'ON' STRUCT State MISSOURI 5A Record Type District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00029 6412 8 Federal ID No. 5D Route Number 1954 NOT APPLICABLE 27 Year Built 5E Directional Suffix IS 29 S 106 0 7 Year Reconstructed Facility Carried YES HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 0000005878 21 Structure Maintenance 13A LRS Inventory Route No. 00 STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN ON FREE ROAD Br. Median Code 20 Toll Status 11-UR PRNCPL ARTERIAL-IS 37 Historical Significance NOT ELIGIBLE FOR NR OF HP 26 Functional Classification LEFT 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 ON A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length YES ON NHS 104 National Highway System NOT APPLICABLE 105 Federal Lands Highway YES 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 43245 4 Place AVONDALE CITY 29 AADT 028002023 Code 30 AADT Year 1-WAY TRAFFIC S 1 T 50 N R 33 W Location 102 Direction of Traffic 11 Milepoint 123.90 miles 12% 109 AADT Truck Percent 16 Latitude 39 D 9 M 60 S 77841 114 Future AADT 17 Longitude 94 D 33 M 33 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION CST NE PARVIN RD 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY 19 0.62 miles Type of Service Under By pass Detour Length 02 28B Lanes Under Structure 32 Approach Roadway Width 51 Ft. 10 In. HIGHWAY 7.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 35 Struct. Flared 14 Ft. 12 In. Rt. Lat Clear Ref. HIGHWAY Total Horiz. Clear 51 Ft. 10 In. 55A 47 55B Rt. Lat Clearance 6 Ft. 11 In. 48 62 Ft. 0 In. Maximum Span Length 123 Ft. 0 In. 0 Ft. 0 In. Left Lat Clearance 49 Structure Length N/A 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 50 Ft. 10 In. 40 Nav Horizontal Clear 51 53 Ft. 6 In. Nav. Pier Protection Deck Width (Out-Out) 111 52 Nav. Cl. Vert. Clear 99 Ft. 99 In. 53 Vert.Clearance Over Deck



May 2, 2024 4:18:47pm

COUNTY: CLAY BRIDGE: L0659 R REVIEW STATUS: APPROVED NBI STATUS: P
RECORD TYPE: ROUTE CARRIED 'ON' STRUCT RUN DATE: 3/7/2024 SUBMITTAL YEAR: 2023

LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
Structure Status	MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type PRESTRSED CONCRETE CONTIN 43B Main struc Constr. Type STRINGER/MULTIBEAM - GRD 45 # of Main Spans 3 44A Appr Struc. Mat type 44B Appr Struc. Cnstr. type 46 # of Approach Span 0 107 Deck Mat/Constr. 1 CONCRETE CIP 108A Wear Surf Mat/Constr. 1 MONO CONCRETE 108B Membrane Mat/Constr. 0 NONE
Sufficiency Rating 92.9 Percent Deficiency Rating NOT DEFICIENT Funding Eligibility 75A Proposed Work 75B Work Done By 76 New Struc Length 0 Ft. 0 In. 94 Struc Improve Cost \$ 0,000 95 Roadway Improve Cost \$ 0,000	108C Deck Protect Mat/Constr. 1 EPOXY
96 Total Project Cost \$ 0,000 97 Year of Cost Estimates 0 APPRAISAL RATING INFORMATION	INSPECTION INFORMATION 90 Gen. Insp Date 9 / 22
36A Br. Rail App. Rating MEETS ACCEPTBLE STND 36B Transition Rail App. Rating MEETS ACCEPTBLE STND 36C Approach Rail App. Rating MEETS ACCEPTBLE STND 36D Rail End Treat. App. Rating MEETS ACCEPTBLE STND 67 Struc Eval App. Rating 6 68 Deck Geometry App. Rating 5 69 Underclearance App. Rating 4	91 Gen. Insp. Frequency 24 Months 92A Frac. Critical Inspection N Months 93A Frac. Critical Insp. Date 92B Underwater Inspection N Months 93B Underwater Insp. Date 92C Special Inspection N Months 93C Special Inspection Date
71 Waterway Adeq. App. Rating N 72 Approach Road App. Rating 8 113 Scour Assess App. Rating N 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 S-1 Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign NO POSTING REQUIRED	Field Posting Category S-1 Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign
1.0 TOSTINO REQUIRED	NO POSTING REQUIRED



May 2, 2024 4:18:47pm

COUNTY: CLAY L0659 R REVIEW STATUS: APPROVED P **BRIDGE:** NBI STATUS: 3/7/2024 2023 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 CST District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00000 Federal ID No. 6412 8 5D Route Number 1954 NOT APPLICABLE 27 Year Built 5E Directional Suffix IS 29 S 106 0 7 Year Reconstructed 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 ON FREE ROAD Br. Median Code Toll Status 20 16-URBAN MINOR ARTERIAL 37 Historical Significance 26 Functional Classification LEFT 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 104 National Highway System 105 Federal Lands Highway NO 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 5728 4 Place AVONDALE CITY 29 AADT 028002023 Code 30 AADT Year 2-WAY TRAFFIC S 1 T 50 N R 33 W Location 102 Direction of Traffic 11 Milepoint 0.79 miles 8% 109 AADT Truck Percent 16 Latitude 39 D 9 M 60 S 114 Future AADT 17 Longitude 94 D 33 M 33 S 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION CST NE PARVIN RD 10 14 Ft. 12 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY 19 0.00 miles Type of Service Under By pass Detour Length 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 15 Ft. 5 In. 55A 47 55B Rt. Lat Clearance 48 62 Ft. 0 In. Maximum Span Length 123 Ft. 0 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



May 2, 2024 4:18:47pm

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L0659 R REVIEW STATUS: APPROVED COUNTY: CLAY **BRIDGE:** NBI STATUS: 3/7/2024 2023 ROUTE 'UNDER' STRUCT **SUBMITTAL YEAR: RECORD TYPE: RUN DATE:** LOAD RATING AND POSTING INFORMATION MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type PRESTRSED CONCRETE CONTIN Design Load STRINGER/MULTIBEAM - GRD 41 Structure Status 43B Main struc Constr. Type 63 45 Oper. Rating Meth. # of Main Spans Operating Rating 44A Appr Struc. Mat type 44B Appr Struc. Cnstr. type 65 Inventory Rating Meth 46 # of Approach Span Inventory Rating 70 107 Deck Mat/Constr. Bridge Posting Code 108A Wear Surf Mat/Constr. PROPOSED IMPROVEMENT INFORMATION 108B Membrane Mat/Constr. Sufficiency Rating 108C Deck Protect Mat/Constr. Deficiency Rating CONDITION RATING INFORMATION Funding Eligibility 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 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 93A Transition Rail App. Rating Frac. Critical Insp. Date 36C 92B Approach Rail App. Rating Underwater Inspection 36D Rail End Treat. App. Rating 93B Underwater Insp. Date 67 Struc Eval App. Rating 92C Special Inspection 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



May 2, 2024

4:19:37pm



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

COUNTY: CLAY L0660 R REVIEW STATUS: APPROVED P **BRIDGE:** NBI STATUS: 3/7/2024 2023 ROUTE CARRIED 'ON' STRUCT RUN DATE: **SUBMITTAL YEAR:** RECORD TYPE: GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION ROUTE CARRIED 'ON' STRUCT State MISSOURI 5A Record Type District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00029 Federal ID No. 6413 8 5D Route Number 1954 NOT APPLICABLE 27 Year Built 5E Directional Suffix IS 29 N 106 1983 7 Year Reconstructed Facility Carried YES HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 0000005865 21 Structure Maintenance 13A LRS Inventory Route No. 00 STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN ON FREE ROAD Br. Median Code 20 Toll Status 11-UR PRNCPL ARTERIAL-IS 37 Historical Significance NOT ELIGIBLE FOR NR OF HP 26 Functional Classification RIGHT 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 ON A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length YES ON NHS 104 National Highway System NOT APPLICABLE 105 Federal Lands Highway YES 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 56042 4 Place AVONDALE CITY 29 AADT 028002023 Code 30 AADT Year 1-WAY TRAFFIC S 1 T 50 N R 33 W Location 102 Direction of Traffic 11 Milepoint 4.53 miles 12% 109 AADT Truck Percent 16 Latitude 39 D 9 M 60 S 100876 114 Future AADT 17 Longitude 94 D 33 M 31 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION CST NE PARVIN RD 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY 19 0.62 miles Type of Service Under By pass Detour Length 02 28B Lanes Under Structure 32 Approach Roadway Width 51 Ft. 10 In. HIGHWAY 14.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 35 Struct. Flared 17 Ft. 11 In. Rt. Lat Clear Ref. HIGHWAY Total Horiz. Clear 51 Ft. 10 In. 55A 47 55B Rt. Lat Clearance 6 Ft. 7 In. 48 62 Ft. 0 In. Maximum Span Length 138 Ft. 1 In. 0 Ft. 0 In. Left Lat Clearance 49 Structure Length N/A 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 50 Ft. 10 In. 40 Nav Horizontal Clear 51 53 Ft. 6 In. Nav. Pier Protection Deck Width (Out-Out) 111 52 Nav. Cl. Vert. Clear 99 Ft. 99 In. 53 Vert.Clearance Over Deck



May 2, 2024 4:19:37pm

L0660 R REVIEW STATUS: APPROVED P COUNTY: CLAY **BRIDGE:** NBI STATUS: 3/7/2024 2023 ROUTE CARRIED 'ON' STRUCT **RUN DATE: SUBMITTAL YEAR: RECORD TYPE:** LOAD RATING AND POSTING INFORMATION MATERIAL/CONSTRUCTION INFORMATION Design Load HS 20+MOD 43A Main Struc. Mat type PRESTRSED CONCRETE CONTIN A - OPEN NO RESTRICTIONS STRINGER/MULTIBEAM - GRD 41 Structure Status 43B Main struc Constr. Type LOAD FACTOR 63 45 Oper. Rating Meth. # of Main Spans 64 61 Tons. 44A Operating Rating Appr Struc. Mat type 44B Appr Struc. Cnstr. type 65 LOAD FACTOR Inventory Rating Meth 26 Tons. 46 # of Approach Span **Inventory Rating** 1 CONCRETE CIP 70 =>LEGAL LOADS 107 Deck Mat/Constr. Bridge Posting Code 108A 1 MONO CONCRETE Wear Surf Mat/Constr. PROPOSED IMPROVEMENT INFORMATION 0 NONE 108B Membrane Mat/Constr. 71.6 Percent Sufficiency Rating 108C Deck Protect Mat/Constr. 1 EPOXY NOT DEFICIENT **Deficiency Rating** CONDITION RATING INFORMATION Funding Eligibility Proposed Work 58 Deck Cond. Rating 75B Work Done By 59 Superstructure Cond. Rating 0 Ft. 0 In. 76 New Struc Length 60 Substructure Cond. Rating 94 Struc Improve Cost \$ 0.000 61 N Channel / Channel Protection Cond. Rating 95 \$ 0,000 Roadway Improve Cost 62 Culvert Cond. Rating \$0,000 96 Total Project Cost INSPECTION INFORMATION Year of Cost Estimates 90 9/22 Gen. Insp Date APPRAISAL RATING INFORMATION 91 Gen. Insp. Frequency 24 Months 36A Br. Rail App. Rating MEETS ACCEPTBLE STND 92A Frac. Critical Inspection N Months 36B 93A MEETS ACCEPTBLE STND Frac. Critical Insp. Date Transition Rail App. Rating 36C MEETS ACCEPTBLE STND 92B Approach Rail App. Rating Underwater Inspection Months MEETS ACCEPTBLE STND 36D 93B Rail End Treat. App. Rating Underwater Insp. Date 67 5 Struc Eval App. Rating 92C Special Inspection N Months Deck Geometry App. Rating 5 93C Special Inspection Date 69 Underclearance App. Rating BORDER BRIDGE INFORMATION 71 N Waterway Adeq. App. Rating 98 Neighboring State Code 72 8 Approach Road App. Rating 98B Neighboring State % Respon 113 N Scour Assess App. Rating 99 Neighboring State Struc. No. APPROVED POSTING INFORMATION FIELD POSTING INFORMATION S-1 S-1 Approved Posting Category Field Posting Category Ton1 Ton2 Ton3 Ton1 Ton2 Ton3

Design No = 10660

Tonnage Values for Posting Sign

General Text for Posting Sign NO POSTING REQUIRED Tonnage Values for Posting Sign

General Text for Posting Sign

NO POSTING REQUIRED



May 2, 2024 4:19:37pm

COUNTY: CLAY L0660 R REVIEW STATUS: APPROVED P **BRIDGE:** NBI STATUS: 3/7/2024 2023 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 CST District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00000 Federal ID No. 6413 8 5D Route Number 1954 NOT APPLICABLE 27 Year Built 5E Directional Suffix IS 29 N 106 0 7 Year Reconstructed 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 ON FREE ROAD Br. Median Code Toll Status 20 16-URBAN MINOR ARTERIAL 37 Historical Significance 26 Functional Classification RIGHT 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 5728 4 Place AVONDALE CITY 29 AADT 028002023 Code 30 AADT Year 2-WAY TRAFFIC S 1 T 50 N R 33 W Location 102 Direction of Traffic 11 Milepoint 0.82 miles 8% 109 AADT Truck Percent 16 Latitude 39 D 9 M 60 S 114 Future AADT 17 Longitude 94 D 33 M 31 S 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION CST NE PARVIN RD 10 17 Ft. 11 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY 19 0.00 miles Type of Service Under By pass Detour Length 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 18 Ft. 4 In. 55A 47 55B Rt. Lat Clearance 48 62 Ft. 0 In. Maximum Span Length 138 Ft. 1 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



May 2, 2024 4:19:37pm

L0660 R REVIEW STATUS: APPROVED P COUNTY: CLAY **BRIDGE:** NBI STATUS: 3/7/2024 2023 ROUTE 'UNDER' STRUCT **SUBMITTAL YEAR: RECORD TYPE: RUN DATE:** LOAD RATING AND POSTING INFORMATION MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type PRESTRSED CONCRETE CONTIN Design Load STRINGER/MULTIBEAM - GRD 41 Structure Status 43B Main struc Constr. Type 63 45 Oper. Rating Meth. # of Main Spans Operating Rating 44A Appr Struc. Mat type 44B Appr Struc. Cnstr. type 65 Inventory Rating Meth 46 # of Approach Span Inventory Rating 70 107 Deck Mat/Constr. Bridge Posting Code 108A Wear Surf Mat/Constr. PROPOSED IMPROVEMENT INFORMATION 108B Membrane Mat/Constr. Sufficiency Rating 108C Deck Protect Mat/Constr. Deficiency Rating CONDITION RATING INFORMATION Funding Eligibility 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 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 93A Transition Rail App. Rating Frac. Critical Insp. Date 36C 92B Approach Rail App. Rating Underwater Inspection 36D Rail End Treat. App. Rating 93B Underwater Insp. Date 67 Struc Eval App. Rating 92C Special Inspection 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



May 02, 2024 4:09:18PM

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6412 BRIDGE: L0659

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: IS29S** # **SPANS**: 3 PLACE CODE: 02800 AVONDALE CITY **DATE:** 09/26/2022 **RESPONSIBILITY: DISTRICT** LANES ON: 3 FEATURE: CST NE PARVIN RD LENGTH: 123 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24 LANES UNDER: 2** STATUS: A-OPEN MAXIMUM SPAN: 62 FT 1 IN **TEAM LEADER:** TIMOTHY HAZLETT **ELEMENT:** YES **LOG MILE:** 124.169 **COMPASS DIRECTION:** SOUTH to NORTH APPROACH ROADWAY: 52 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR:** 1.00 MILES **DIRECTION OF TRAFFIC: 1-WAY TRAF CURB TO CURB: 50 FT 10 IN INSPECTOR 3:** NHS: YES **FUNCTIONAL CLASS: UR-INTERSTATE OUT TO OUT:** 53 FT 6 IN ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1954 **NBI OWNER: MODOT AADT:** 43245 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: KC LOCATION: S1 T50 R33 W **AADT TRUCK: 11.7% LATITUDE:** 39 9 59.75 (DMS) MAINTENANCE COUNTY: CLAY **FUTURE AADT: 77841 LONGITUDE:** 94 33 32.69 (DMS) SUB AREA: 7C25 **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*** **CATEGORY: CATEGORY:** DATE: **DATE: RESPONSIBILITY:** RESPONSIBILITY: FREOUENCY: **CALCULATED INTERVAL**: NBI**: FREOUENCY: 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. 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**

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Missouri Department of Transportation State Bridge Inspection Report

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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6412 BRIDGE: L0659

STRUCTURE POSTING

APPROVED CATEGORY: S-1 NO POSTING REQUIRED

> **Ton 1: Ton 2:**

COMMENTS:

FIELD CATEGORY: S-1

Ton 1: Ton 2:

COMMENTS:

NO POSTING REQUIRED

Ton 3:

Ton 3:

PROBLEM: PROBLEM DIRECTION:

GENERAL COMMENTS/MAJOR RATED ITEMS

GENERAL COMMENTS: (BOWDEJ1, 09/30/2008)--(32'-62'-27') CONT P/S CONC I-GDR SPANS (WIDENED)

[ITEM 58] DECK: 7-GOOD CONDITION

RATING: 02/02/2007

RATING: 08/23/2023

COMMENTS: (BATUSJ1, 09/19/2012)--T-CRACKS

(KIMM1, 10/02/2018)--WEAR

[ITEM 59] SUPER: 6-SATISFACTORY CONDITION

COMMENTS: (OTISL1, 10/05/2020)--LEACHING @ GIDER ENDS/ENCASEMENTS

(RAITHK, 08/23/2023)--MOD COLLISION DAMAGE MIDSPAN

[ITEM 60] SUB: 6-SATISFACTORY CONDITION

RATING: 02/02/2007

COMMENTS: (OTISL1, 10/05/2020)--SPALLS BENT 2 COLUMNS & BOTH ABUTMENTS

[ITEM 61] BANK/CHANNEL: N-NOT APPLIC NO WATRWAY

RATING: 05/18/2001

COMMENTS:

[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

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:**

REINFORCED CONCRETE

CONSTRUCTION SAFETY BARRIER CURB

BOTH

DIRECTION

COMMENTS:

COMMENTS

(OTISL1, 10/03/2016)--FEW SCRAPES THROUGHOUT

FEW

COMMENTS:

CONDITION LOCATION 1 **RANDOM**

LOCATION 2

SEVERITY

COMMENT

PATCHES VERTICAL CRACKS

THROUGHOUT

MODERATE

[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1

RATING: 11/13/2008

MATERIAL **GALVANIZED STEEL**

MATERIAL

CONSTRUCTION THRIE BEAM TO W-BEAM

DIRECTION BOTH-NORTH

SOUTHWEST

COMMENTS

GALVANIZED STEEL

THRIE BEAM TO W-BEAM

[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1

RATING: 05/18/2001

COMMENTS:

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Missouri Department of Transportation State Bridge Inspection Report

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4:09:18PM

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6412 BRIDGE: L0659 CONSTRUCTION **DIRECTION COMMENTS** MATERIAL **GALVANIZED STEEL** W-BEAM **BOTH-NORTH GALVANIZED STEEL** W-BEAM **SOUTHWEST** [ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1 **RATING:** 03/05/2002 **COMMENTS: MATERIAL CONSTRUCTION DIRECTION COMMENTS GALVANIZED STEEL BREKAWAY SYSTEM BOTH-NORTH** APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below. **CONSTRUCTION DIRECTION CONDITION*** MATERIAL **COMMENTS** ASPHALT/CONCRETE BITUMINOUS MAT/SLAB NORTH **FAIR** ASPHALT/CONCRETE **SOUTH FAIR BITUMINOUS MAT/SLAB** ***DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS*** **DECK PROTECTIVE COMPONENTS:** SERIES TYPE-# **COMPONENT MATERIAL CONSTRUCTION THICKNESS** YEAR APPLIED MANUFACTURE **OVERALL CONDITION** MAIN SERIES-1 WEARING SURFACE PLAIN CONCRETE *MONOLITHIC* **COMMENT: DECK PROTECTION** EPOXY POLYMER COATED REBAR **COMMENT: MEMBRANE** NONE *NOTAPPLICABLE* **COMMENT: DRAINAGE COMPONENTS: COMMENTS COMPONENT CONSTRUCTION DIRECTION MATERIAL** DRAINAGE REINFORCED CONCRETE DRAIN BASIN-END BENT **EXPANSION DEVICE COMPONENTS:** SUB LABEL SUB UNIT-# **COMPONENT MATERIAL CONSTRUCTION** GAPYEAR APPLIED **OVERALL CONDITION MANUFACTURE COMMENT: BANK/SLOPE PROTECTION COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS** SLOPE PROTECTION PLAIN CONCRETE *PAVEDSLOPE* ***DECK COMPONENTS*** SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS** MAIN SPANS-1 CAST-IN-PLACE DECKREINFORCED CONCRETE **CONDITION** LOCATION 1 **SEVERITY** LOCATION 2 **MEASUREMENT COMMENT EFFLORESCENCE EDGE FEW FEW** LONGITUDINAL CRACKS RANDOM FEW REFLECTIVE CRACKS THROUGHOUT **SCALING** DRIVING SURFACE LIGHT

 $Design_No = 10659$

Page 3

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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6412 BRIDGE: L0659

EDGE FEW TRANSVERSE CRACKS MAIN SPANS-2 DECKREINFORCED CONCRETE CAST-IN-PLACE **SEVERITY CONDITION** LOCATION 1 **LOCATION 2 MEASUREMENT COMMENT EFFLORESCENCE EDGE FEW** LONGITUDINAL CRACKS **RANDOM FEW FEW THROUGHOUT** REFLECTIVE CRACKS **SCALING** DRIVING SURFACE LIGHT **FEW** TRANSVERSE CRACKS **EDGE** MAIN SPANS-3 DECK CAST-IN-PLACE REINFORCED CONCRETE **CONDITION LOCATION 1 LOCATION 2** SEVERITY **MEASUREMENT COMMENT EDGE** FEW **EFFLORESCENCE RANDOM FEW** LONGITUDINAL CRACKS REFLECTIVE CRACKS THROUGHOUT **FEW** DRIVING SURFACE LIGHT **SCALING** TRANSVERSE CRACKS **EDGE** FEW ***SUPERSTRUCTURE COMPONENTS*** SERIES TYPE-# SPAN TYPE MATERIAL CONSTRUCTION **COMMENTS** LABEL MAIN SERIES-1 PRESTRESSED CONCRETE CONTINUOUS SPAN *I-GIRDERS* **COMPOSITE INDICATOR WEATHERING STEEL COMMENTS SPAN LENGTH** MAIN SPANS-1 32 FT 8 IN COMPOSITE NO **CONDITION** LOCATION 1 **LOCATION 2** SEVERITY **MEASUREMENT COMMENT** GIRDER ENCASEMENT LEACHING **MINOR** MAIN SPANS-2 COMPOSITE NO 62 FT 1 IN **CONDITION** LOCATION 1 LOCATION 2 SEVERITY **MEASUREMENT COMMENT COLLISION DAMAGE EXTERIOR GIRDERS MODERATE** GIRDER ENCASEMENT **MINOR** LEACHING MAIN SPANS-3 COMPOSITE 27 FT 8 IN NO LOCATION 1 **CONDITION** LOCATION 2 **SEVERITY MEASUREMENT COMMENT** LEACHING GIRDER ENCASEMENT MINOR ***SUBSTRUCTURE COMPONENTS*** **LENGTH SUBSTRUCTURE SKEW** CONSTRUCTION **COMMENTS MATERIAL** LABEL ABUTMENT-1 RA-7 DEGREES 53 FT 11 IN REINFORCED CONCRETE INTEGRAL **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT LEACHING **MINOR GIRDERS** REBAR EXPOSED THROUGHOUT **MINOR SPALLS** THROUGHOUT MINOR VERTICAL CRACKS **THROUGHOUT FEW** (OTISL1, 10/03/2016)--@ GIRDERS **PILING** STEEL H-SHAPE **CONDITION** LOCATION 2 LOCATION 1 SEVERITY MEASUREMENT **COMMENT** TURNED BACK WINGS REINFORCED CONCRETE **CAST-IN-PLACE** Design No = 10659

MODOT

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COUNTY: CLAY	DISTRICT: KC	CLASS: STATBR	FED-I	D: 6412	BRIDGE: L0659
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FIXED BEARING	ELASTOMERIC	LAMIN NEOP/PTFE(ROTATI			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DIAPHRAGM	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	AT GIRDERS		MINOR		
VERTICAL CRACKS	AT GIRDERS		FEW		
BENT-2 RA-7 DEGREES 50 FT	T 3 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	<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>	MEASUREMENT	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
DELAMINATION	THROUGHOUT		MINOR		
REBAR EXPOSED	THROUGHOUT		MODERATE		
SPALLS	THROUGHOUT		MODERATE		
VERTICAL CRACKS	THROUGHOUT		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>
FIXED BEARING	ELASTOMERIC	LAMIN NEOP/PTFE(ROTATI			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-3 RA-7 DEGREES 50 FT	T 3 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	<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>	MEASUREMENT	<u>COMMENT</u>
VERTICAL CRACKS	THROUGHOUT		FEW		
COLUMN	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>
DELAMINATION	THROUGHOUT		MINOR		
VERTICAL CRACKS	THROUGHOUT		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>
FIXED BEARING	ELASTOMERIC	LAMIN NEOP/PTFE(ROTATI			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-4 RA-7 DEGREES 53 FT	I 11 IN REINFORCED CONCRETE	INTEGRAL			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
ASSOCIATED COMPONENT	<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>	MEASUREMENT	<u>COMMENT</u>
REBAR EXPOSED	THROUGHOUT		FEW	_	
RUST STAINS	THROUGHOUT		FEW		
SPALLS	THROUGHOUT		MINOR		
VERTICAL CRACKS	THROUGHOUT		FEW		
PILING	STEEL	H-SHAPE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
TURNED BACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			

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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6412 BRIDGE: L0659 MEASUREMENT COMMENT

LOCATION 2

LOCATION 1 FIXED BEARING ELASTOMERIC

CONDITION

VERTICAL CRACKS

LAMIN NEOP/PTFE(ROTATI

CONDITION LOCATION 1 **LOCATION 2** REINFORCED CONCRETE

AT GIRDERS

CONDITION LOCATION 1 LEACHING AT GIRDERS

CAST-IN-PLACE **LOCATION 2 SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u>

MEASUREMENT COMMENT

MINOR FEW

SEVERITY

SEVERITY

OVER/UNDER ROUTES CLEARANCE INFORMATION

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

VERTICAL CLEARANCE TYPE** DIRECTION VALUE **DATE COMMENT**

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

DIRECTION OF TRAFFIC RECORD# **ROUTE RIGHT LATERAL CLEARANCE LEFT LATERAL CLEARANCE UR-ID** # LANES 14191 CST NE PARVIN RD E 2-WAY TRAF 7 FT 0 IN 2

VERTICAL CLEARANCE TYPE VALUE DIRECTION DATE COMMENT** ACTUAL 15 FT 6 IN

STRUCTURE PAINT INFORMATION

CONDITION: RUST AMOUNT: STEEL TONS:

> **ORIGINAL PAINT** CONTRACT REPAINT **DEPARTMENT REPAINT**

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:

MODOT

DIAPHRAGM

MODOT

Missouri Department of Transportation State Bridge Inspection Report

May 02, 2024 4:09:18PM

COUNTY: CLAY

DISTRICT: KC

CLASS: STATBR

FED-ID: 6412

BRIDGE: L0659

RESPONSIBILITY DISTRICT SPECIAL

LOCATION ROADWAY SURFACE

ITEM SEAL WITH SILANE **CATEGORY** DECK

PRIORITY 3

DATE WORK ITEM COMMENT 04/22/2024

UTILITY ATTACHMENTS

UTILITY

OWNER

METHOD

MEASUREMENT TYPE

VALUE

NUMBER

UTILITY ATTACHMENT COMMENT

PROGRAM NOTES INFORMATION

YEAR PROJECT# MONTH LET

YEAR LET ITEMS

COMMENT

COMP	PUTER GENERATED RATINGS AND D	EFICIENCY ITEMS	***ADVANCED SIGN INFORMATION***					
NOTE: The items listed in this section are u	updated whenever computer edits are ran on a structu	re after the inspection updates have been entered in to TMS.	SIGN#	SIGN TYPE	PROBLEM	PROBLEM DIRECTION		
Rated Item	Rating	Rating Date	1					
[Item 67] Structure Evaluation Rating:	6-EQ TO PRESENT MIN CRITR	10/6/2020						
[Item 68] Deck Geometry Rating:	5-BETTER THAN MINIMUM	4/17/2002						
[Item 69] Underclearance:	4-MEETS MINIMUM TOLERABLE	3/25/2003						
Sufficiency Rating:	92.9%	3/7/2024						
Deficiency:	NOT DEFICIENT	4/17/2002						
Funding Eligibility:				***OUTFALL INSP	PECTION INFORMATIO	N***		
Estimated New Structure Length:								
Estimated Structure Cost:			# OUTFALLS:	IN	SPECTOR:			
Estimated Total Project Cost:			STATUS:		DATE:			
Year of Cost Estimate:			NOTES:					
generalized to use NBI items to come up with	estimates are computer generated using algorithims in a new structure length and width to calculate a new st may vary significantly from these numbers once sit							



May 02, 2024 4:09:18PM

OUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6412 BRIDGE: L0659

 $Design_No = 10659$



May 02, 2024 4:10:14PM

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6413 BRIDGE: L0660

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: IS29N** # **SPANS**: 3 PLACE CODE: 02800 AVONDALE CITY **DATE:** 09/26/2022 **RESPONSIBILITY: DISTRICT** LANES ON: 3 FEATURE: CST NE PARVIN RD LENGTH: 138 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24 LANES UNDER: 2** MAXIMUM SPAN: 62 FT 1 IN **STATUS:** A-OPEN **TEAM LEADER:** TIMOTHY HAZLETT **ELEMENT:** YES **LOG MILE: 4.539 COMPASS DIRECTION:** SOUTH to NORTH APPROACH ROADWAY: 52 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR:** 1.00 MILES **DIRECTION OF TRAFFIC: 1-WAY TRAF CURB TO CURB: 50 FT 10 IN INSPECTOR 3:** NHS: YES **FUNCTIONAL CLASS: UR-INTERSTATE OUT TO OUT:** 53 FT 6 IN ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1954 **NBI OWNER: MODOT AADT:** 56042 **GENERAL INSPECTION COMMENTS REHAB:** 1983 **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: KC LOCATION: S1 T50 R33 W **AADT TRUCK:** 11.8% **LATITUDE:** 39 9 59.73 (DMS) MAINTENANCE COUNTY: CLAY **FUTURE AADT: 100876 LONGITUDE:** 94 33 30.57 (DMS) SUB AREA: 7C25 **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*** **CATEGORY: CATEGORY:** DATE: **DATE: RESPONSIBILITY:** RESPONSIBILITY: FREOUENCY: **CALCULATED INTERVAL**: NBI**: FREOUENCY: 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. 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**

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Missouri Department of Transportation State Bridge Inspection Report

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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6413 BRIDGE: L0660

STRUCTURE POSTING

GENERAL COMMENTS/MAJOR RATED ITEMS

APPROVED CATEGORY: S-1

NO POSTING REQUIRED

Ton 1: Ton 2: **Ton 3:**

Ton 3:

COMMENTS:

FIELD CATEGORY: S-1

NO POSTING REQUIRED

Ton 1:

Ton 2: COMMENTS:

PROBLEM:

PROBLEM DIRECTION:

GENERAL COMMENTS: (BOWDEJ1, 09/30/2008)--(37'-62'-37') CONT P/S CONC I-GDR SPANS

[ITEM 58] DECK: 7-GOOD CONDITION

RATING: 02/02/2007

COMMENTS: (OTISL1, 09/29/2016)--T CRACKS

(OTISL1, 10/10/2018)--WEAR

[ITEM 59] SUPER: 5-FAIR CONDITION

COMMENTS: (OTISL1, 10/10/2018)--OPEN CRACKING, SPALLING GIRDER 6, SPAN 1

RATING: 10/10/2018

[ITEM 60] SUB: 6-SATISFACTORY CONDITION

RATING: 10/02/2014

COMMENTS: (OTISL1, 10/05/2020)--MODERATE SPALLS @ COLUMNS

[ITEM 61] BANK/CHANNEL: N-NOT APPLIC NO WATRWAY

RATING: 05/18/2001

COMMENTS:

COMMENTS:

[ITEM 113] SCOUR: N-NOT APPLIC NOT WATERW

RATING: 05/18/2001

EVALUATION TYPE:

[ITEM 71] WATERWAY ADEQUACY: NOT APPLICABLE

COMMENTS:

COMMENTS:

RATING: 05/18/2001

[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD

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:

MATERIAL REINFORCED CONCRETE

CONSTRUCTION SAFETY BARRIER CURB **DIRECTION BOTH**

COMMENTS

COMMENTS

[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1

RATING: 11/13/2008

COMMENTS:

MATERIAL GALVANIZED STEEL

CONSTRUCTION THRIE BEAM TO W-BEAM

DIRECTION BOTH-SOUTH

NORTHEAST

GALVANIZED STEEL

THRIE BEAM TO W-BEAM

[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1

RATING: 05/18/2001

COMMENTS:

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Missouri Department of Transportation State Bridge Inspection Report

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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6413 BRIDGE: L0660

MATERIAL **GALVANIZED STEEL** CONSTRUCTION

DIRECTION BOTH-SOUTH **COMMENTS**

GALVANIZED STEEL

W-BEAM

W-BEAM

NORTHEAST

[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1

RATING: 03/05/2002

COMMENTS:

MATERIAL GALVANIZED STEEL

CONSTRUCTION BREKAWAY SYSTEM **DIRECTION** SOUTH

COMMENTS

APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.

MATERIAL ASPHALT/CONCRETE

CONSTRUCTION BITUMINOUS MAT/SLAB **DIRECTION**

BOTH

CONDITION*

COMMENTS

CONDITION

LOCATION 1

GOOD

SEVERITY

COMMENT

SPALLS

ENDS

LOCATION 2

MODERATE

DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS

DECK PROTECTIVE COMPONENTS:

SERIES TYPE-#

COMPONENT WEARING SURFACE

MATERIAL PLAIN CONCRETE **CONSTRUCTION** *MONOLITHIC*

THICKNESS

YEAR APPLIED

MANUFACTURE

OVERALL CONDITION

COMMENT:

MAIN SERIES-1

DECK PROTECTION

EPOXY POLYMER

COATED REBAR

COMMENT:

MEMBRANE

NOTAPPLICABLE

NONE

COMMENT:

DRAINAGE COMPONENTS:

COMPONENT

MATERIAL

CONSTRUCTION

DIRECTION

COMMENTS

EXPANSION DEVICE COMPONENTS:

SUB UNIT-# SUB LABEL

COMPONENT

MATERIAL

CONSTRUCTION

GAP

YEAR APPLIED

MANUFACTURE

OVERALL CONDITION

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS:

COMPONENT SLOPE PROTECTION

MATERIAL PLAIN CONCRETE **CONSTRUCTION** *PAVEDSLOPE*

DIRECTION BOTH

COMMENTS

COMMENT

DECK COMPONENTS

SPAN TYPE-# MAIN SPANS-1 **COMPONENT** DECK

MATERIAL REINFORCED CONCRETE **CONSTRUCTION** CAST-IN-PLACE

COMMENTS

CONDITION TRANSVERSE CRACKS WEAR

LOCATION 1 THROUGHOUT **LOCATION 2**

SEVERITY FEW

MEASUREMENT

THROUGHOUT

MEDIUM

MAIN SPANS-2

DECK

REINFORCED CONCRETE

CAST-IN-PLACE

Design No = 10660

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

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Missouri Department of Transportation State Bridge Inspection Report

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6413 BRIDGE: L0660

LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **CONDITION** COMMENT TRANSVERSE CRACKS **FEW** THROUGHOUT

MEDIUM WEAR **THROUGHOUT**

MAIN SPANS-3 DECK REINFORCED CONCRETE CAST-IN-PLACE

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** TRANSVERSE CRACKS **FEW**

THROUGHOUT WEAR THROUGHOUT **MEDIUM**

SUPERSTRUCTURE COMPONENTS

SERIES TYPE-# SPAN TYPE **MATERIAL** CONSTRUCTION LABEL **COMMENTS** MAIN SERIES-1 CONTINUOUS SPAN PRESTRESSED CONCRETE *I-GIRDERS*

COMPOSITE INDICATOR LENGTH WEATHERING STEEL COMMENTS SPAN

MAIN SPANS-1 **COMPOSITE** 37 FT 8 IN NO

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** LEACHING GIRDER ENCASEMENT **MODERATE**

LONGITUDINAL CRACKS GDR6 **MINOR RUST STAINS** GDR6 MINOR GDR6 SHEAR CRACKS **FINE SPALLS** GDR6 **MODERATE**

MATERIAL

MAIN SPANS-2 COMPOSITE 62 FT 1 IN NO

LOCATION 1 **SEVERITY CONDITION LOCATION 2 MEASUREMENT COMMENT**

MAIN SPANS-3 COMPOSITE 37 FT 8 IN NO

LENGTH

SKEW

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT**

LEACHING GIRDER ENCASEMENT VERTICAL CRACKS **DIAPHRAGMS**

SUBSTRUCTURE COMPONENTS

LABEL

COMMENTS

MODERATE

MINOR

ABUTMENT-1 RA-14 DEGREES 55 FT 2 IN REINFORCED CONCRETE INTEGRAL **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT**

EFFLORESCENCE MODERATE THROUGHOUT

CONSTRUCTION

SPALLS THROUGHOUT MINOR (OTISL1, 10/05/2020)--AT GIRDER VERTICAL CRACKS THROUGHOUT MANY

PILING STEEL H-SHAPE

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT**

TURNED BACK WINGS REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2

SEVERITY MEASUREMENT COMMENT

FIXED BEARING ELASTOMERIC LAMIN NEOP/PTFE(ROTATI

CONDITION LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT**

DIAPHRAGM REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT

BENT-2 RA-14 DEGREES 51 FT 10 IN REINFORCED CONCRETE MULTIPLE COLUMN

Design No = 10660

SUBSTRUCTURE

MODOT

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Missouri Department of Transportation State Bridge Inspection Report

COUNTY: CLAY	DISTRICT: KC	CLASS: STATBR	FED-I	D: 6413	BRIDGE: L0660
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	<u>MATERIAL</u>	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
		<u>LOCATION 2</u>		<u>MEASUKEMENI</u>	<u>COMMENT</u>
DELAMINATION	THROUGHOUT		MINOR		
COLUMN	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>
DELAMINATION	THROUGHOUT		MANY		
REBAR EXPOSED	BOTTOM		FEW		
SPALLS	BOTTOM		MODERATE		
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
FIXED BEARING	ELASTOMERIC	LAMIN NEOP/PTFE(ROTATI			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
CONDITION	<u> LOCATION I</u>	EOCHITOIV 2	<u>SEVERITI</u>	MEMBUREMENT	COMMENT
	T 10 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	<u>827 21111</u>		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
		<u>LOCATION 2</u>		MEASUKEMENI	<u>COMMENT</u>
DELAMINATION NUMBER OF A SAME	BOTTOM		MODERATE		
VERTICAL CRACKS	THROUGHOUT		FEW		
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FIXED BEARING	ELASTOMERIC	LAMIN NEOP/PTFE(ROTATI			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
	T 2 IN DEINIFORCED CONCRETE	INTEGRAL			
	T 2 IN REINFORCED CONCRETE	INTEGRAL	CELEBIEN	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENI</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATION	THROUGHOUT		MINOR		
LEACHING	TOP		MINOR		
SPALLS	THROUGHOUT		MINOR		
VERTICAL CRACKS	THROUGHOUT		FEW		
PILING	STEEL	H-SHAPE			
CONDITION	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
TURNED BACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE	<u></u>		
CONDITION	LOCATION 1	LOCATION 2	CEVEDITV	MEASUREMENT	COMMENT
	· · · · · · · · · · · · · · · · · · ·	<u>LUCATION 2</u>	<u>SEVERITY</u>	WEASUKEWENI	<u>COMMENT</u>
SPALLS	THROUGHOUT		FEW		
FIXED BEARING	ELASTOMERIC	LAMIN NEOP/PTFE(ROTATI	~		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DIAPHRAGM	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>
					

OVER/UNDER ROUTES CLEARANCE INFORMATION

MODOT

Missouri Department of Transportation State Bridge Inspection Report

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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6413 BRIDGE: L0660 **CLEARANCES OVER DECK** **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance. **VERTICAL CLEARANCE TYPE** VALUE 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** # LANES **DIRECTION OF TRAFFIC** RIGHT LATERAL CLEARANCE **LEFT LATERAL CLEARANCE** UR-ID 14193 CST NE PARVIN RD E 2 2-WAY TRAF 6 FT 6 IN **VERTICAL CLEARANCE TYPE** VALUE DIRECTION DATE COMMENT** 18 FT 2 IN **ACTUAL**

STRUCTURE PAINT INFORMATION

CONDITION: RUST AMOUNT: STEEL TONS:

> **ORIGINAL PAINT CONTRACT REPAINT**

PAINT TYPE: PAINT TYPE:

NAME: NAME: **PAINT COLOR: PAINT COLOR: PAINT YEAR: PAINT YEAR:**

MILS:

DEPARTMENT REPAINT

MANUFACTURE:

SURFACE PREP:

PAINT TYPE: NAME:

PAINT COLOR: PAINT YEAR: MILS:

REQUESTED WORK ITEMS

GENERAL WORK COMMENTS:

RESPONSIBILITY **LOCATION ITEM CATEGORY PRIORITY DATE WORK ITEM COMMENT**

MILS:

DISTRICT ROUTINE SOUTH EAST REPAIR EROSION SLOPE 09/21/2016 3 DISTRICT SPECIAL SEAL WITH SILANE **DECK** 3 04/11/2023 ROADWAY SURFACE

UTILITY ATTACHMENTS

UTILITY OWNER METHOD MEASUREMENT TYPE NUMBER UTILITY ATTACHMENT COMMENT VALUE

PROGRAM NOTES INFORMATION



YEAR

Missouri Department of Transportation State Bridge Inspection Report

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COUNTY: CLAY

PROJECT #

MONTH LET

DISTRICT: KC

ITEMS

YEAR LET

CLASS: STATBR

FED-ID: 6413

COMMENT

BRIDGE: L0660

COMF	PUTER GENERATED RATINGS AND DE	FICIENCY ITEMS	***ADVANCED SIGN INFORMATION***						
NOTE: The items listed in this section are	updated whenever computer edits are ran on a structure	e after the inspection updates have been entered in to TMS.	SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION			
Rated Item	<u>Rating</u>	Rating Date	1						
[Item 67] Structure Evaluation Rating:	5-BETTER THAN MINIMUM	3/5/2018							
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Sufficiency Rating:	71.6%	3/7/2024							
Deficiency:	NOT DEFICIENT	5/18/2001							
Funding Eligibility:			***OUTFALL INSPECTION INFORMATION***						
Estimated New Structure Length:			" OTTENT I C		CDECTOR				
Estimated Structure Cost:			# OUTFALLS:	INS	SPECTOR:				
Estimated Total Project Cost:			STATUS:		DATE:				
Year of Cost Estimate:			NOTES:						
generalized to use NBI items to come up with	estimates are computer generated using algorithims in h a new structure length and width to calculate a new a st may vary significantly from these numbers once site	rea which is taken times a representative cost per							



May 02, 2024 4:10:14PM

OUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6413 BRIDGE: L0660

Design_No = 10660