

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

Checked June 1954 by H.CE. & R. H. L.

PISCAL YEAR SHEET TOTAL 1.0. SHEETS + 3/N Facu Bent No A - 1 Bent 1153 — इंदे(इंद्रे अंक स्ट्रांट के दिन्द्र दिन्द्र स I. Possiway - Chard Catwarn Sta 11+11.42 (Choutedu) & Sta 71 + 90 91 Chouteau,

LAYOUT OF STRUSTURE

Design Specifications A.A.S.H.D. 1952 Looding H 20 - 5/6 - 44
Reinforsing Size/ Ciress 18,000 4/0"
Structural Steel Stress 18,000 4/0"

3.M. #20 Elev. 882.63 Fon N.W. Wingwall Conc. Suits Sha 884+87

BRIDGE OVER CHOUTEAL TRAFFICWAY

STATE ROAD FROM: ARMOUR ROAD IN NORTH KANSAS CITY N.E. ABOUT 3.75 MILES NORTH OF NORTH KANSAS CITY PROJECT NO.UI-99(7) (RT.69) STA.371+8.15(RIGHT LANE)

COUNTY

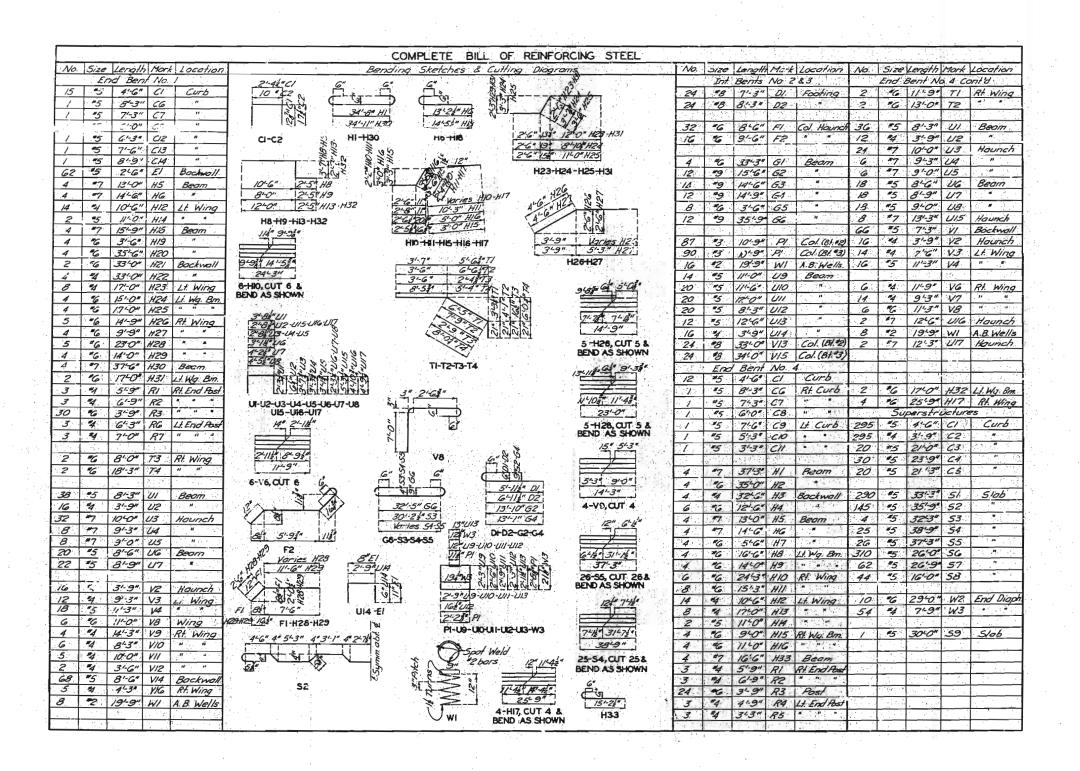
SUBMITTED BY J. A. MICHIGANINES DATE 7/19/1954 APPROVED OF CHIEF CONTRACT PARTY 2/19/1954

EINISHED 570. C-1:0 R3 -642

Sheet No. / of 9.

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.		FEL. AID PROJ. NO.		SHEET NO.	TOTAL SHEETS
5	340 .	UI-99(7)	15		



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

BRIDGE OVER CHOUTEAU TRAFFICWAY

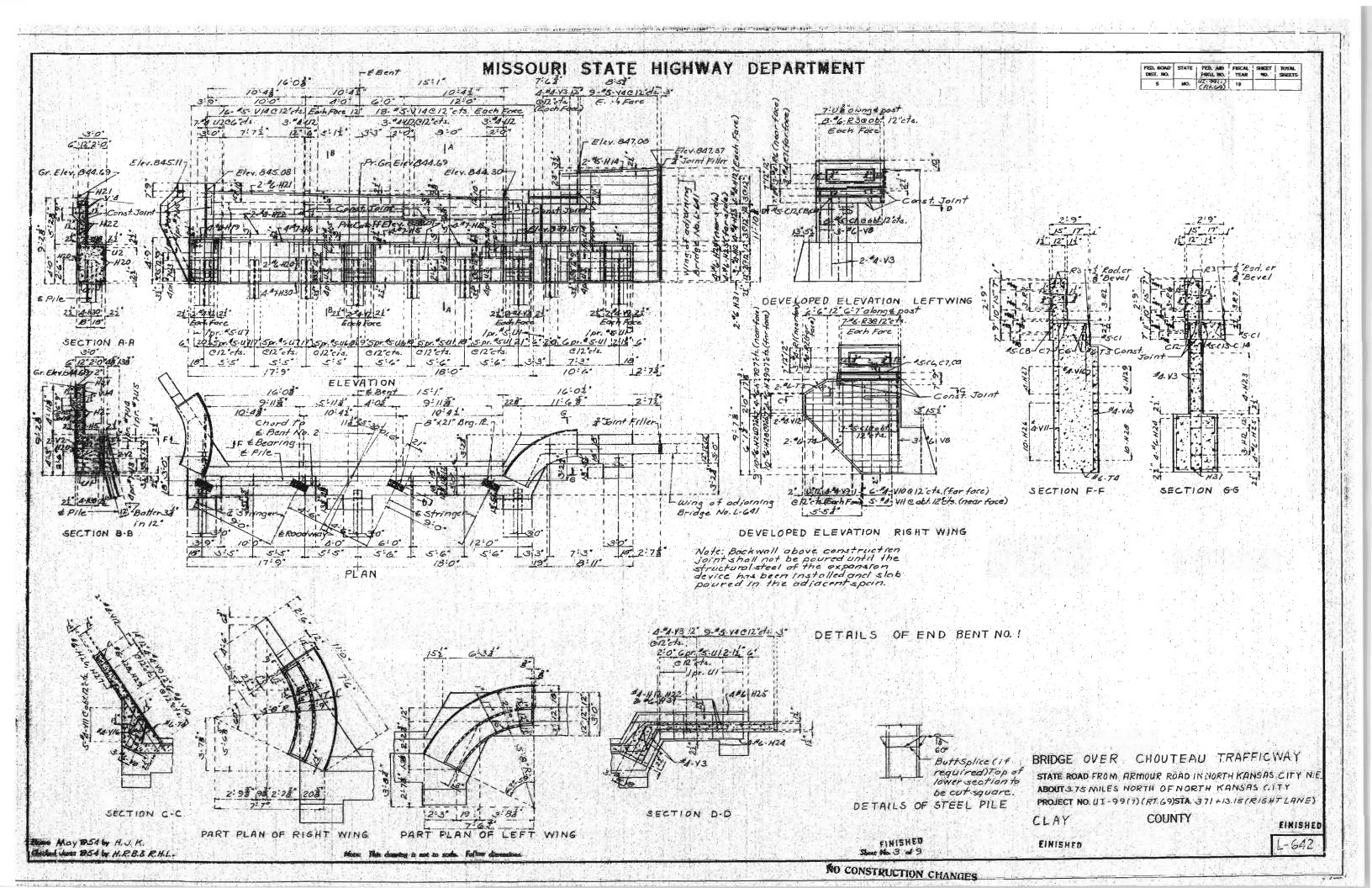
STATE ROAD FROM ARMOUR ROAD IN NORTH KANSAS CITY N.E. ABOUT 3.75 MILES NORTH OF NORTH KANSAS CITY PROJECT NO.UI-99(7) (RT.69) STA.371+13.15 (RIGHT LANE)

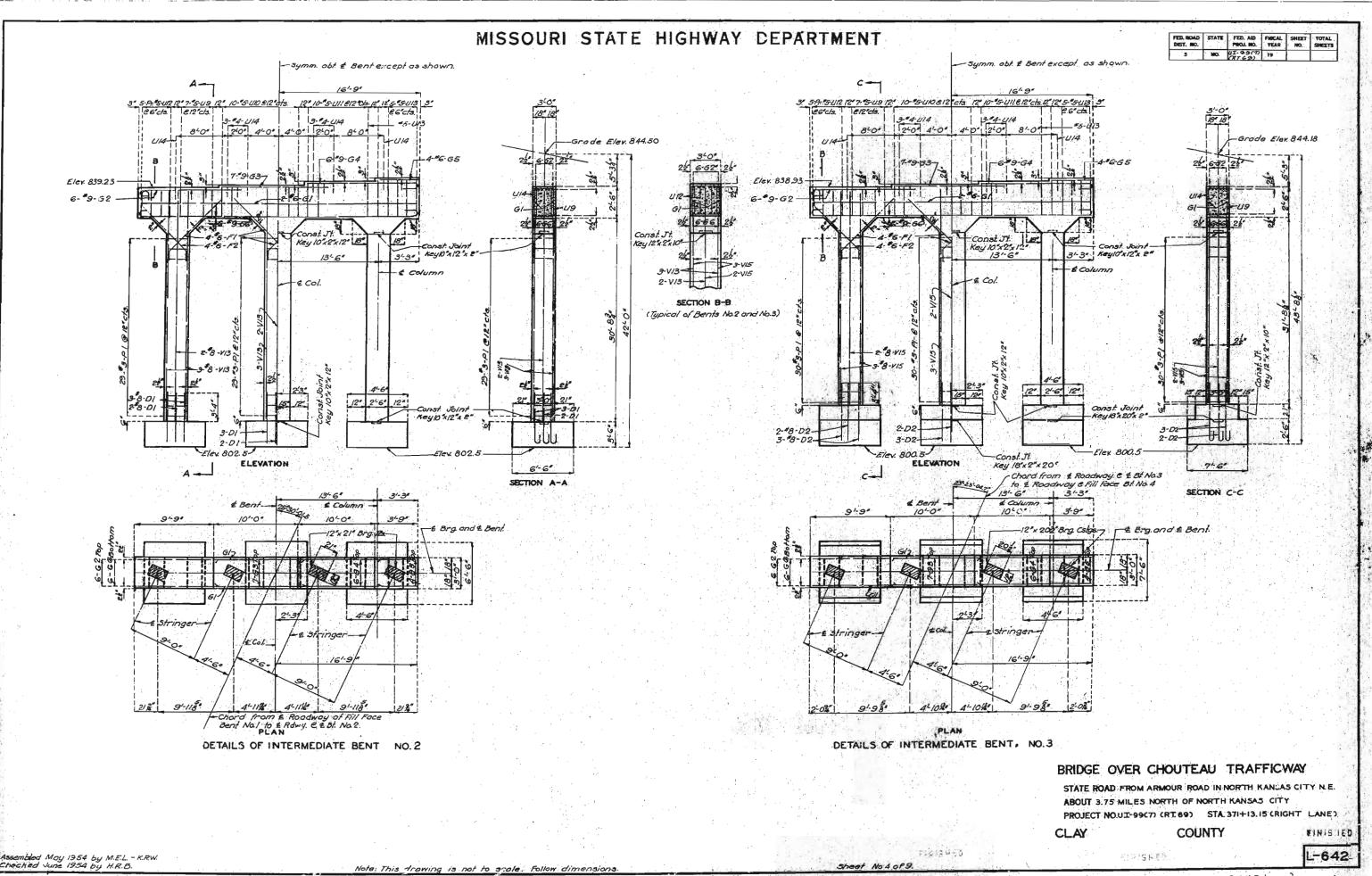
CLAY V. H. S. J. COUNTY

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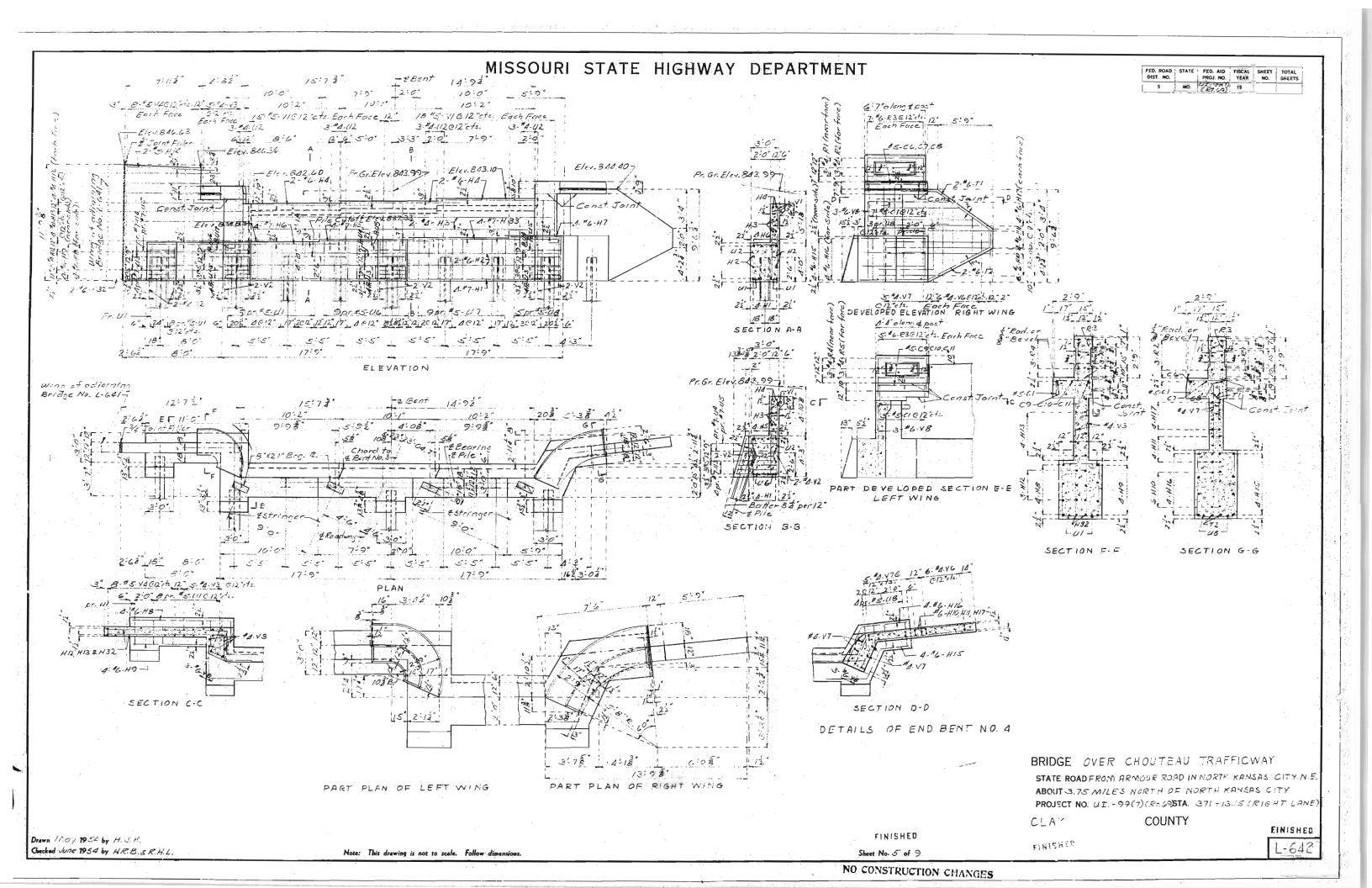
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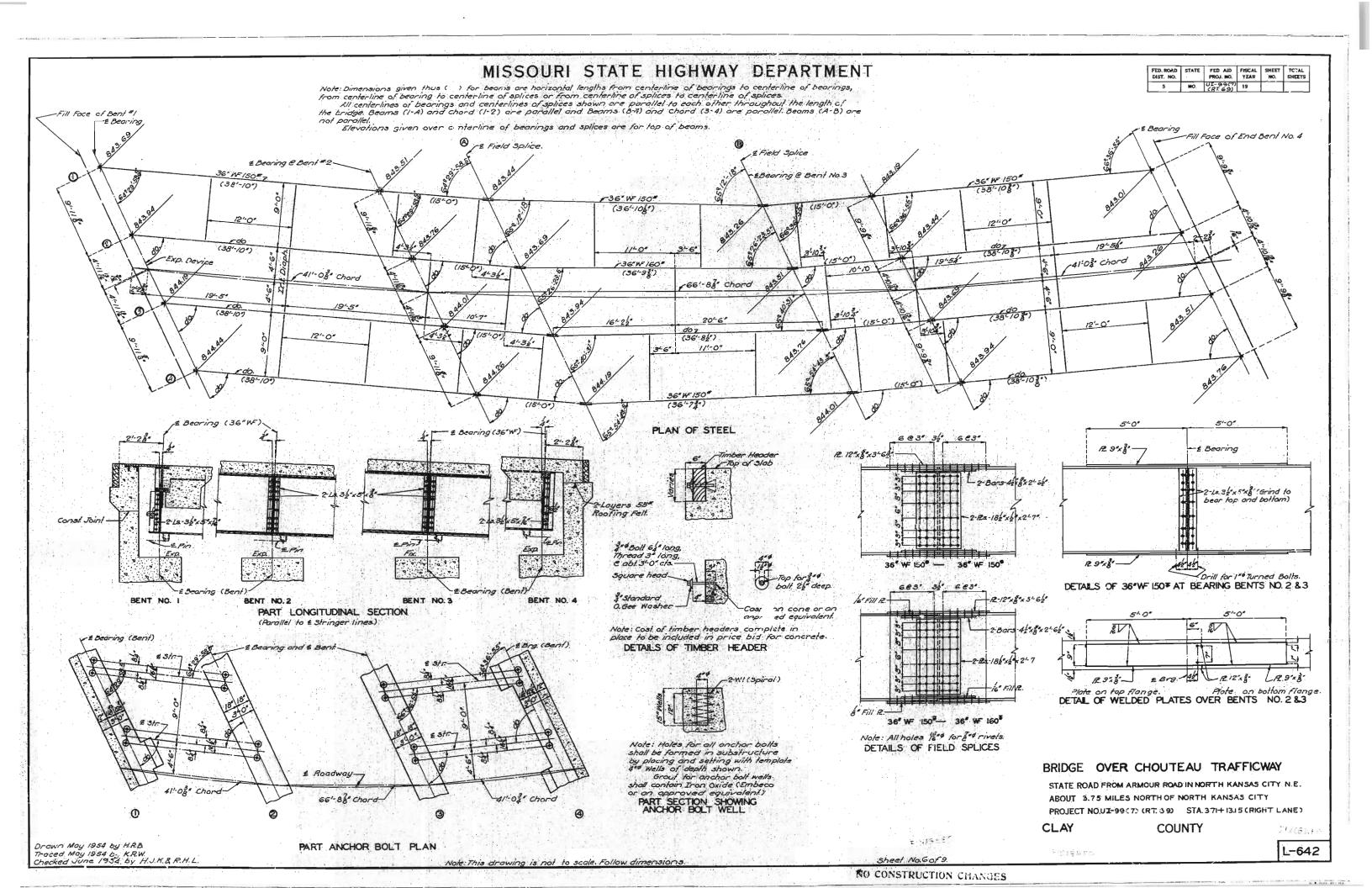


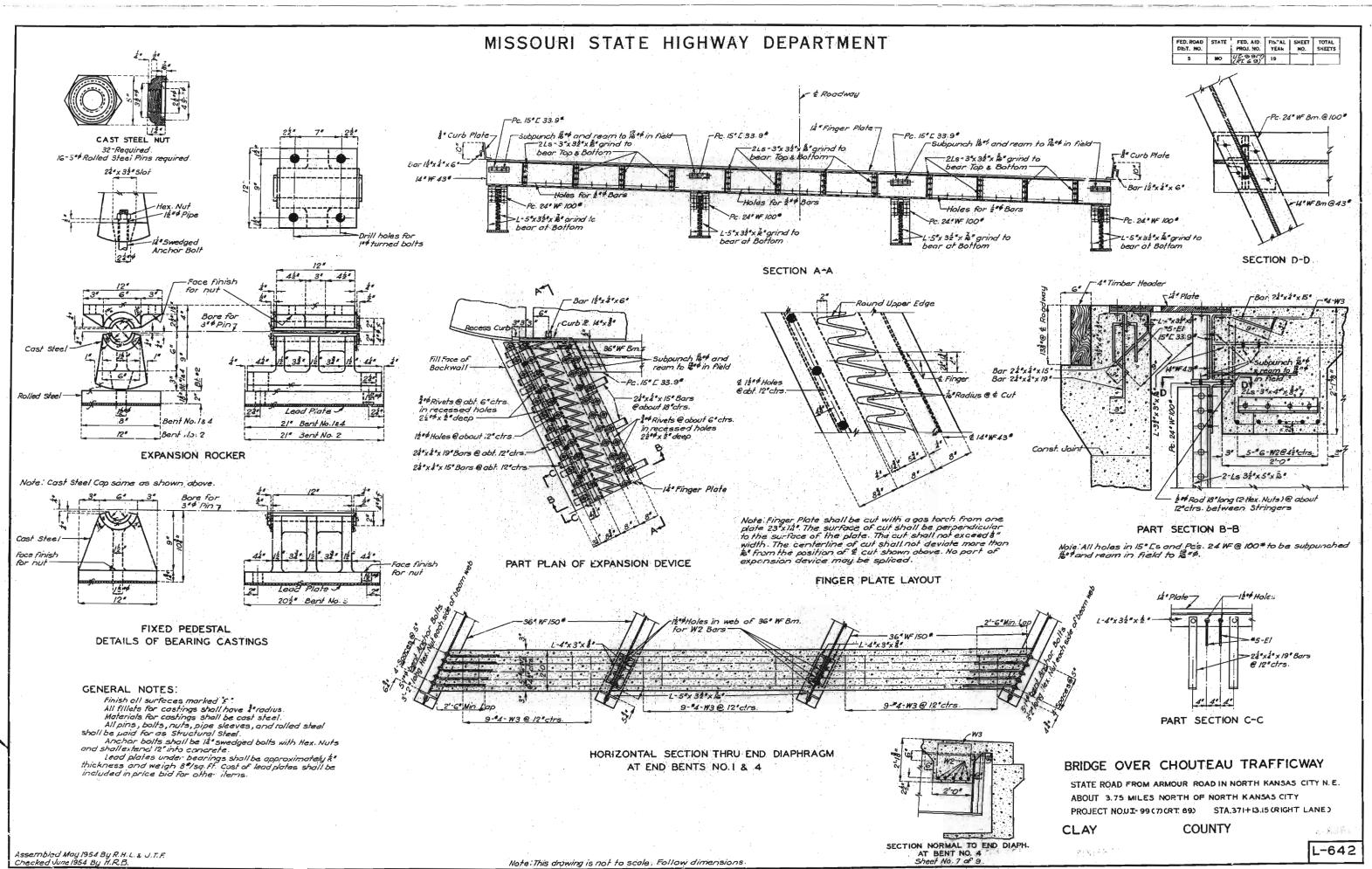


SEE FINAL PLANS BROWN-LINES

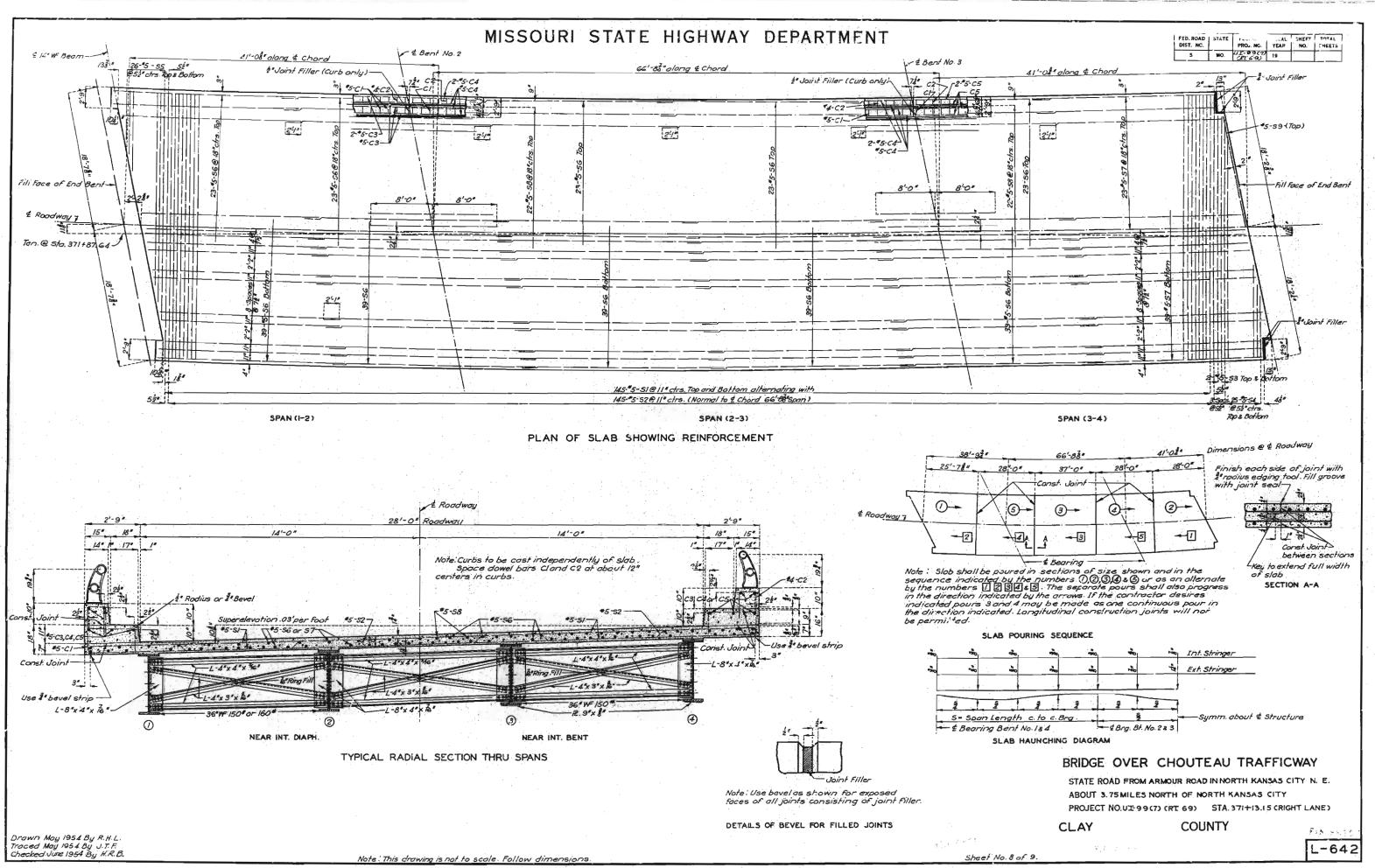
Zor3 Call Ind } All Loadings



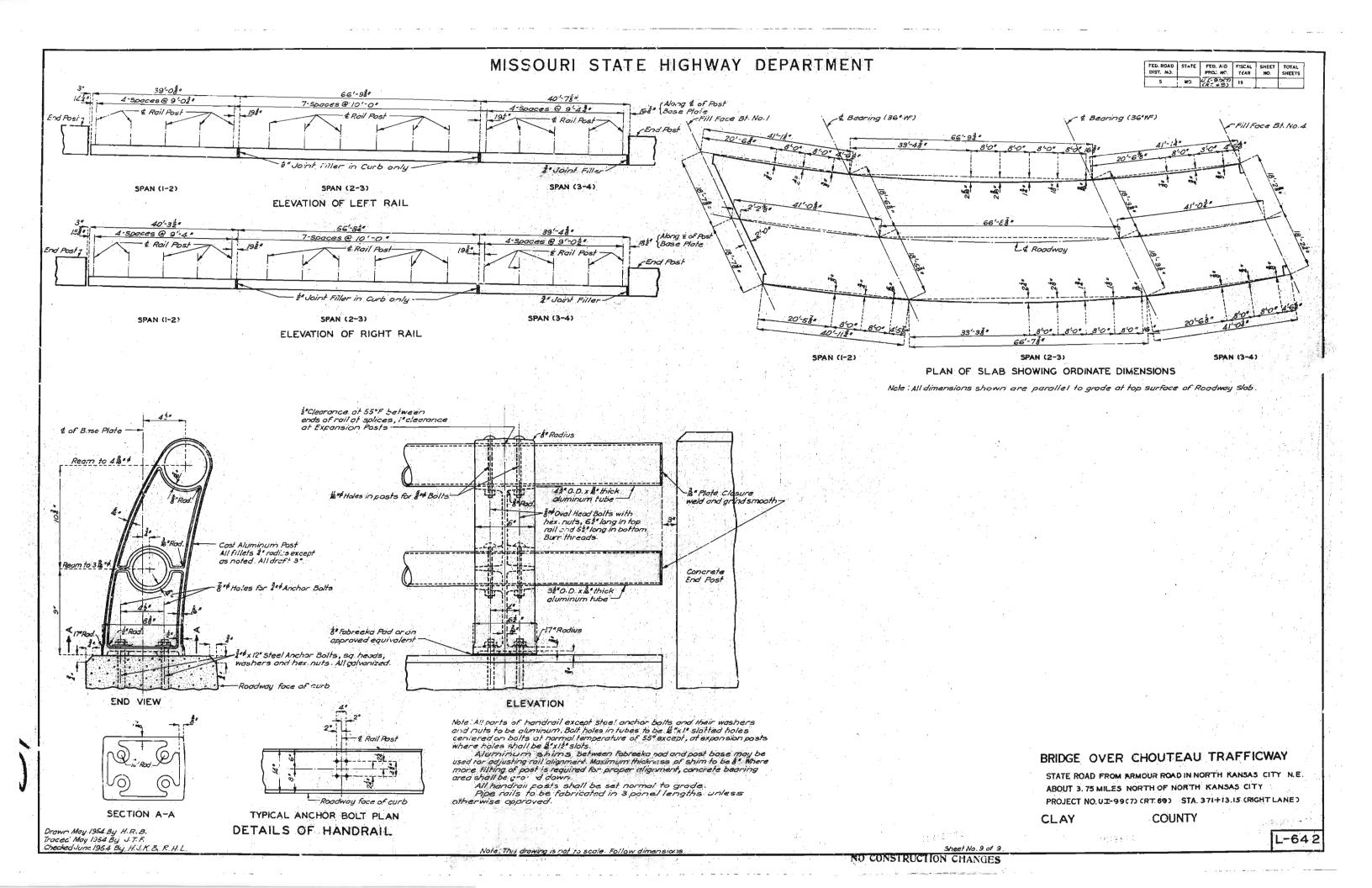


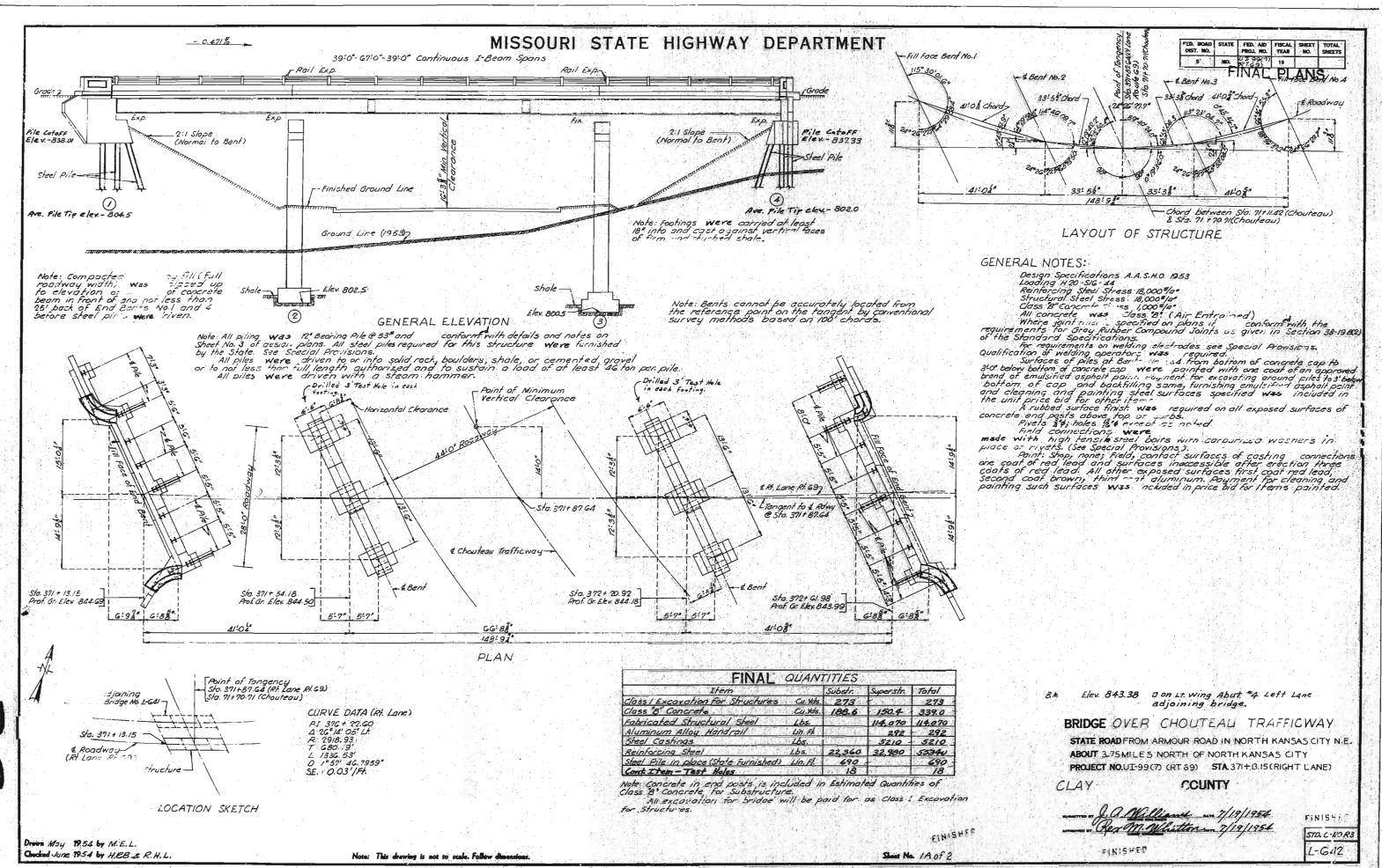


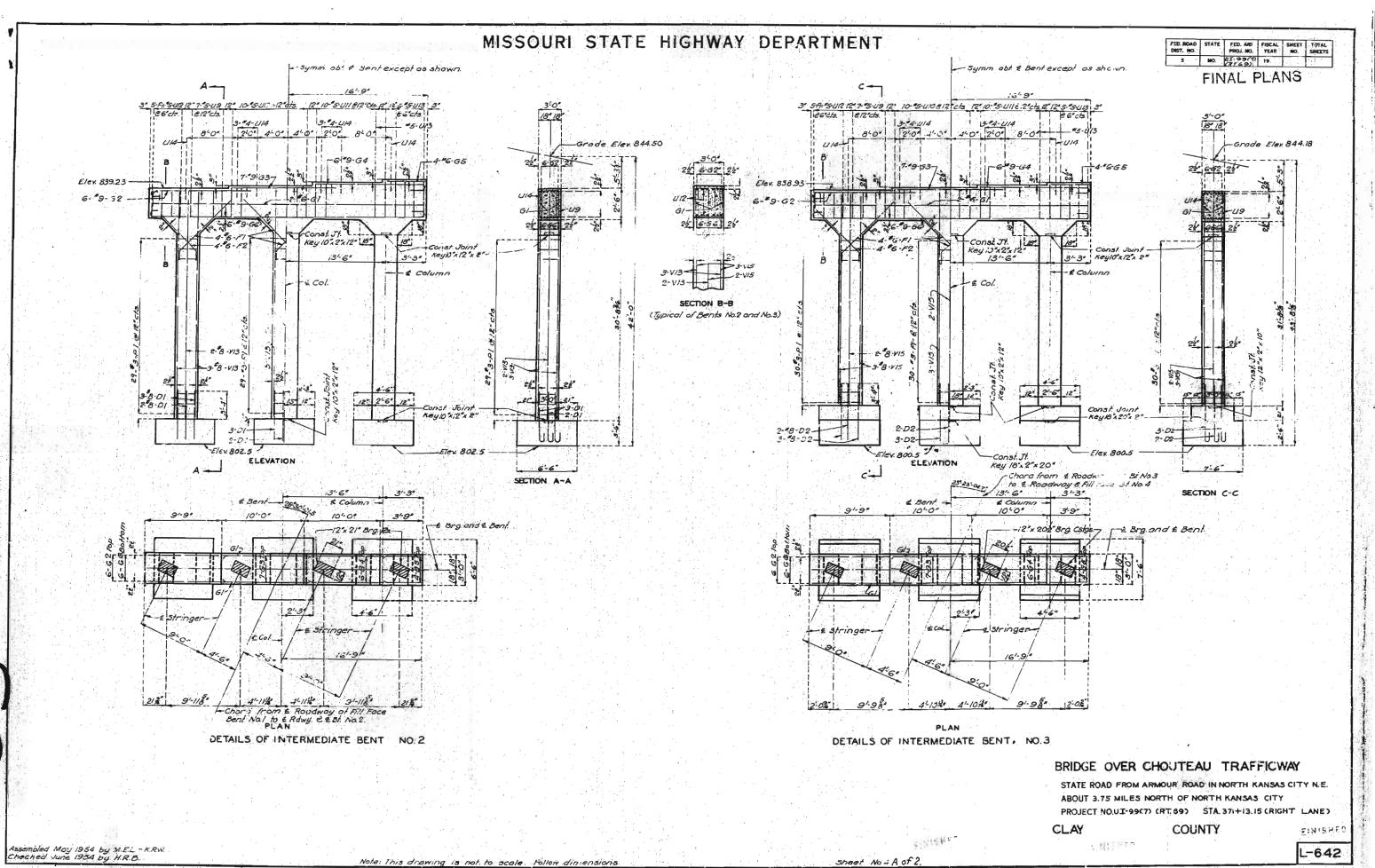
NO CONST



NO CONSTRUCTION CHANGES

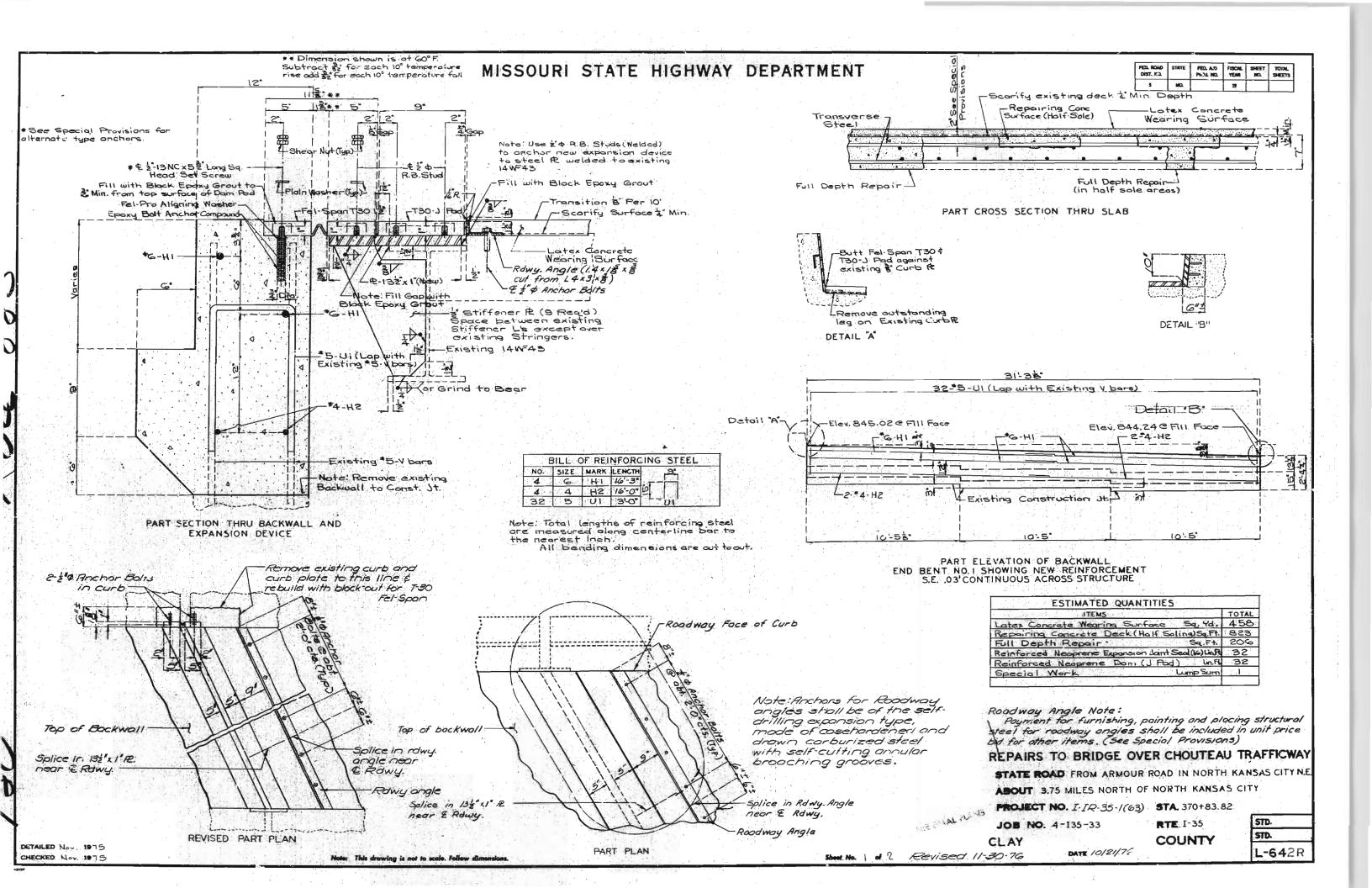


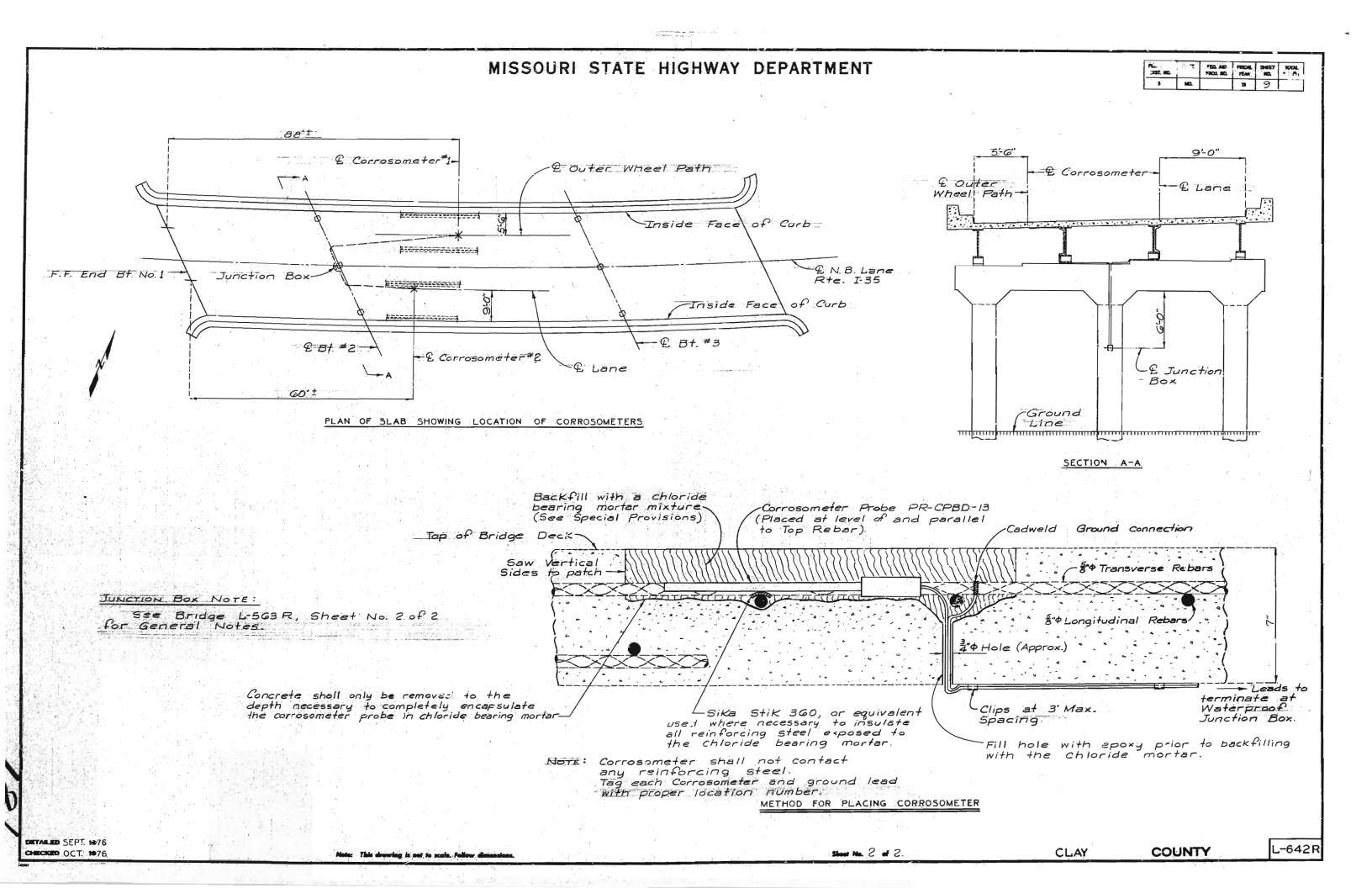


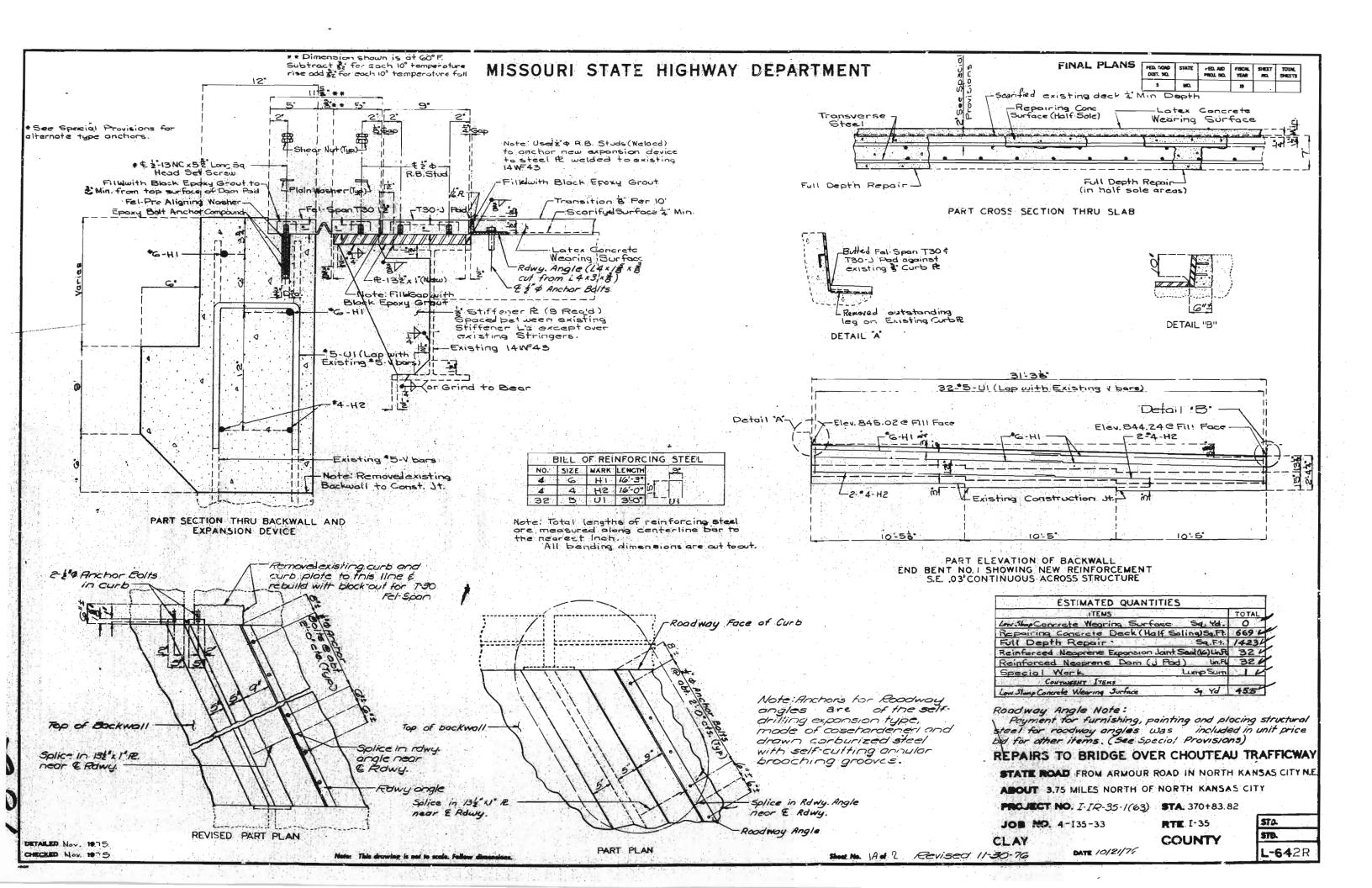


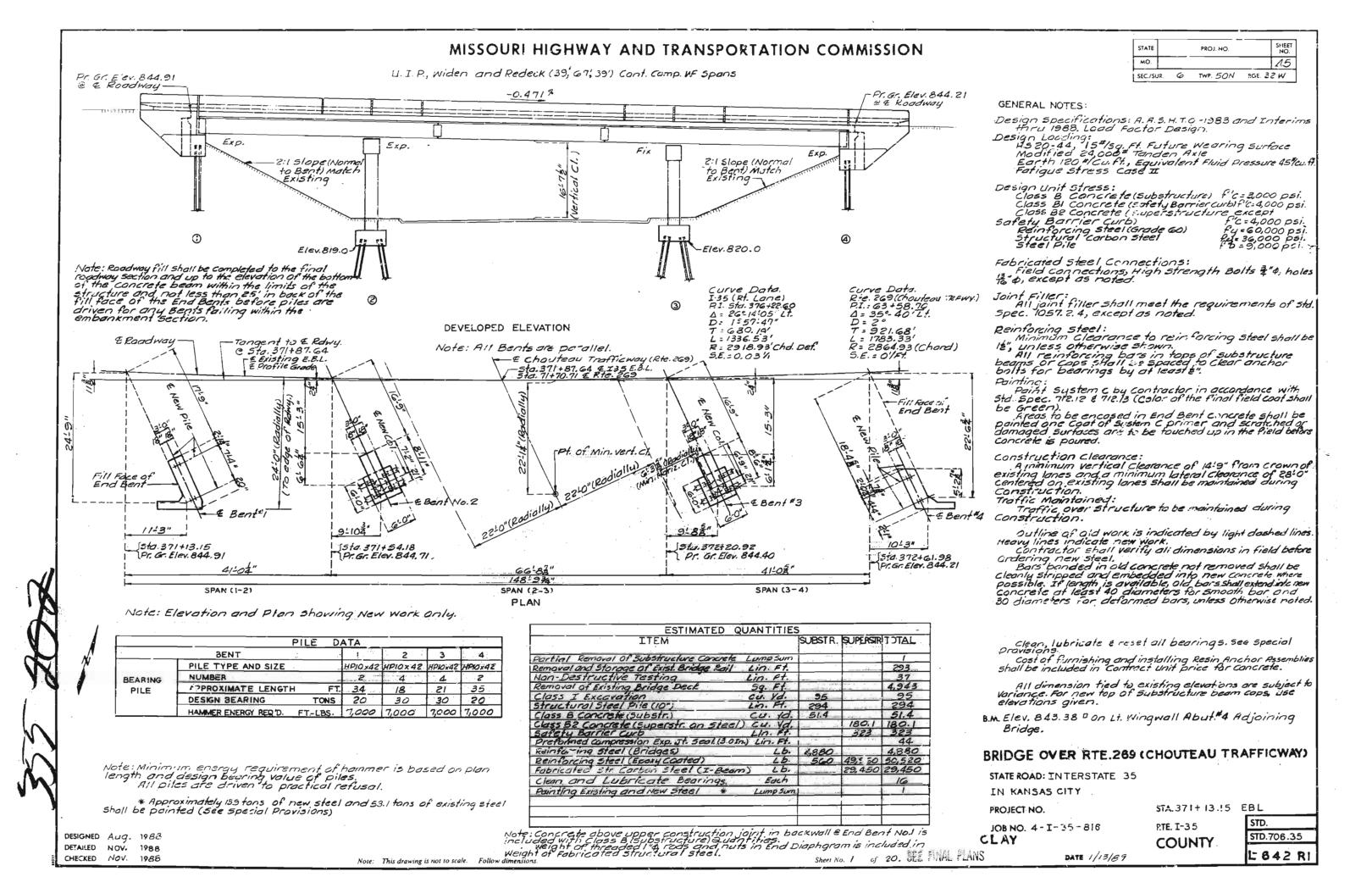
FINAL PLANS

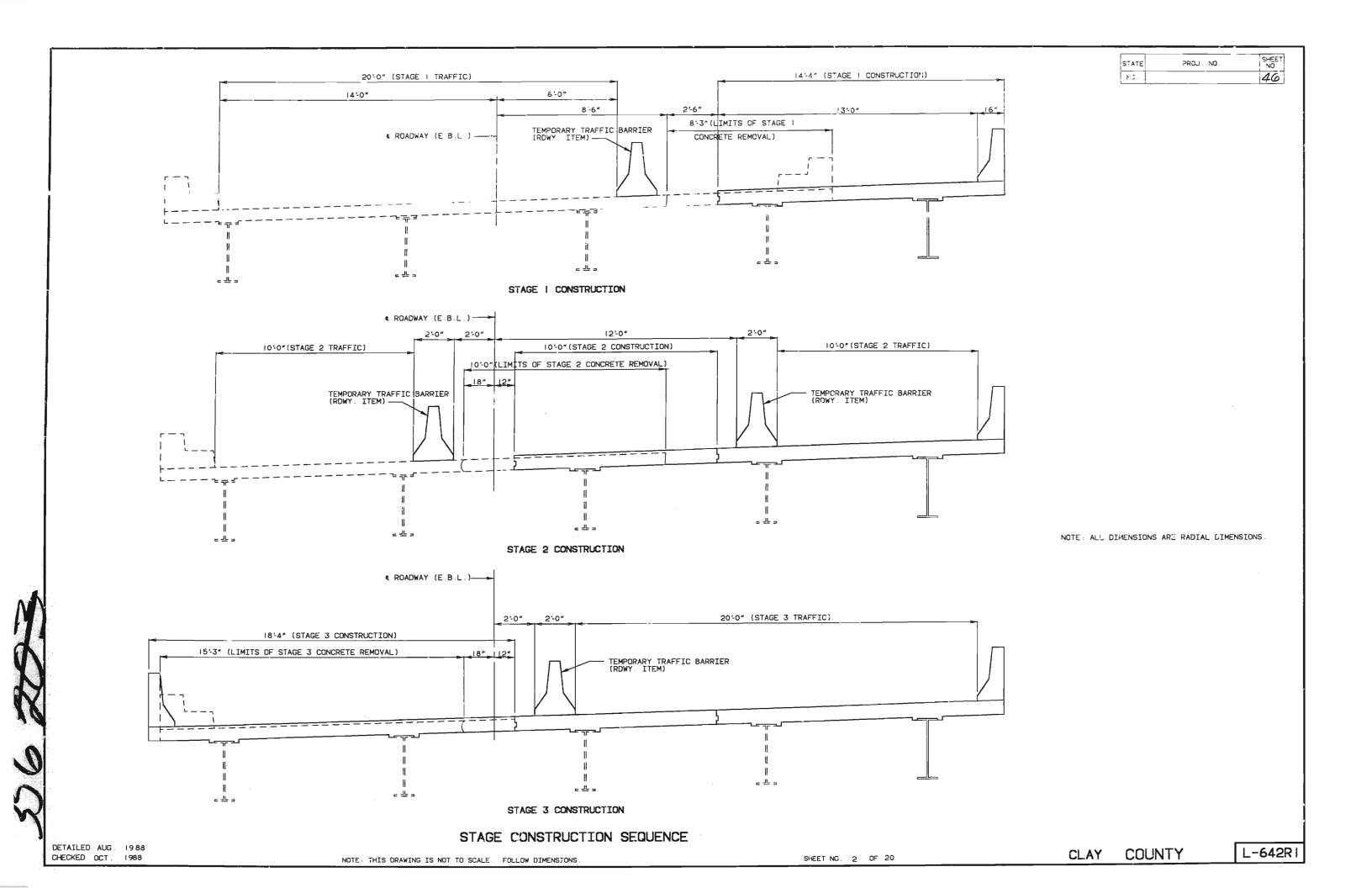
Tor3 Co. Int. 3 All Loadings



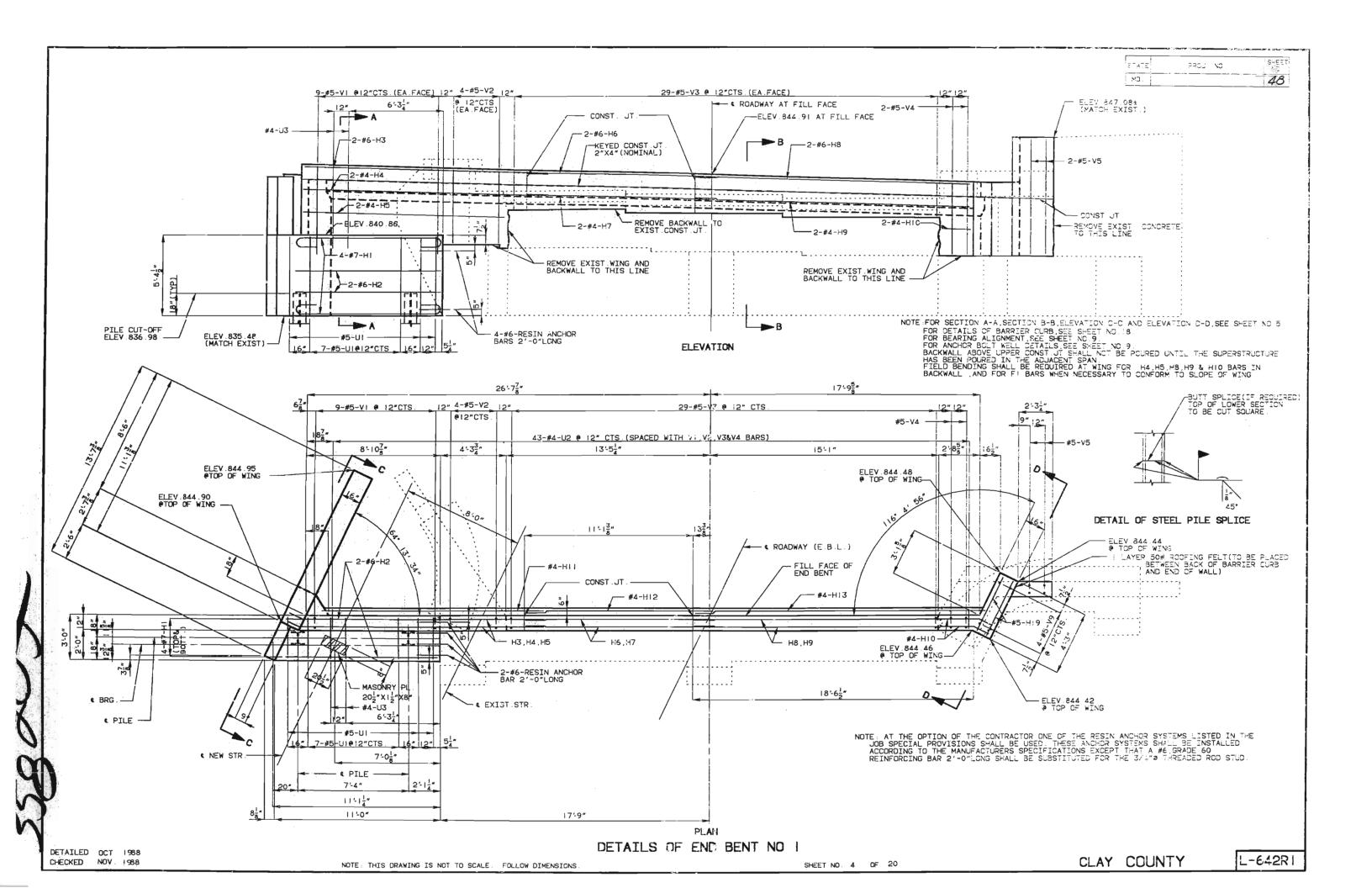


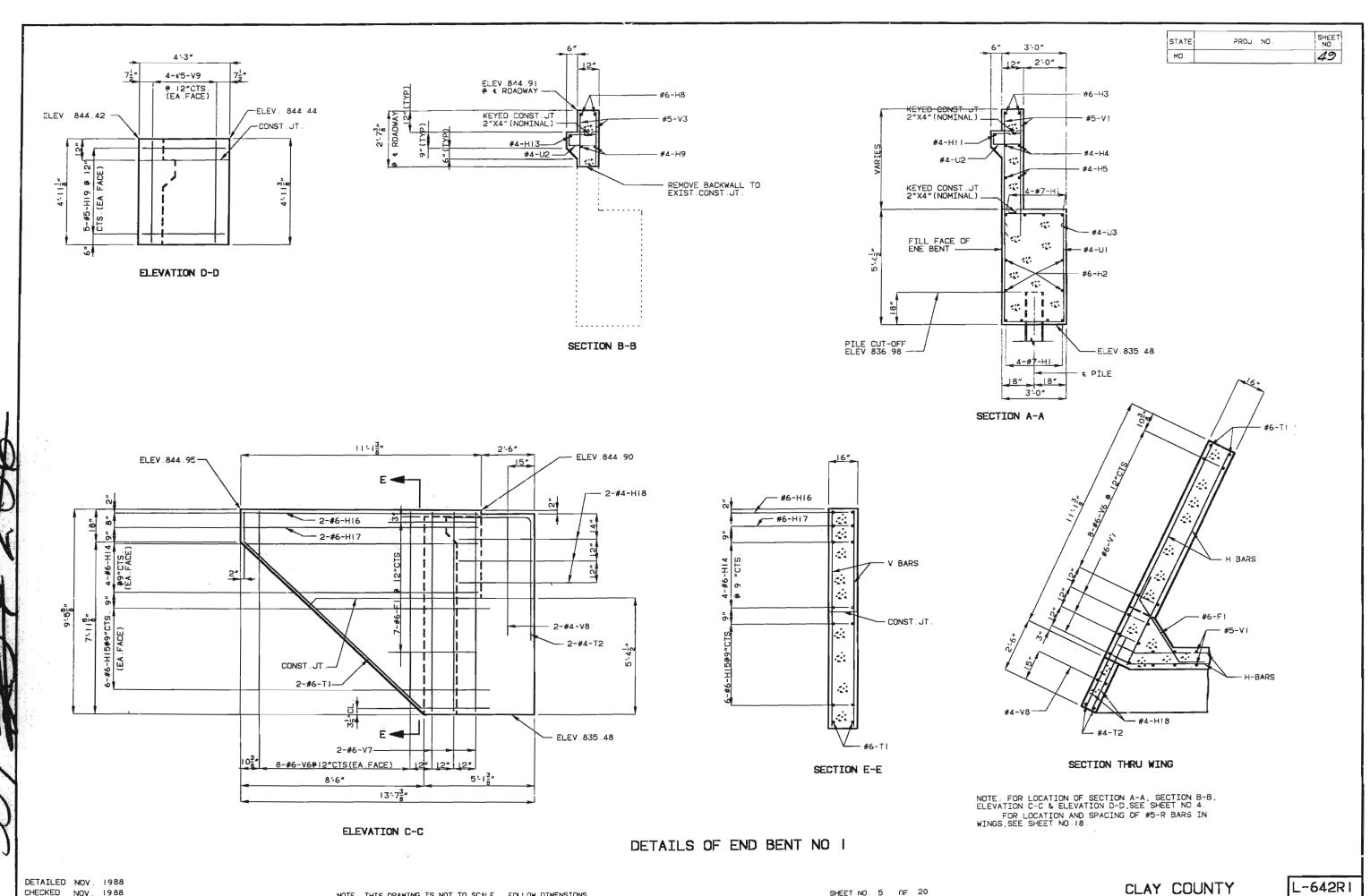






SB'4" (RADIALLY)	FILL FACE OF END BT. NO. 2 FILL FACE OF END BT. NO. 2 5:55 3 SPACESe5'-0"=15 -0" 20:53 - 40:11 3 (CHORD LENGTH) 3:35 6 SPACE	0GE OF SLAB	ILL FACE OF ND BT NO 4
DETAILED SEPT. 1988 CHECKED OCT. 1988	NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.	SHEET NO. 3 OF 20	CLAY COUNTY L-642RI



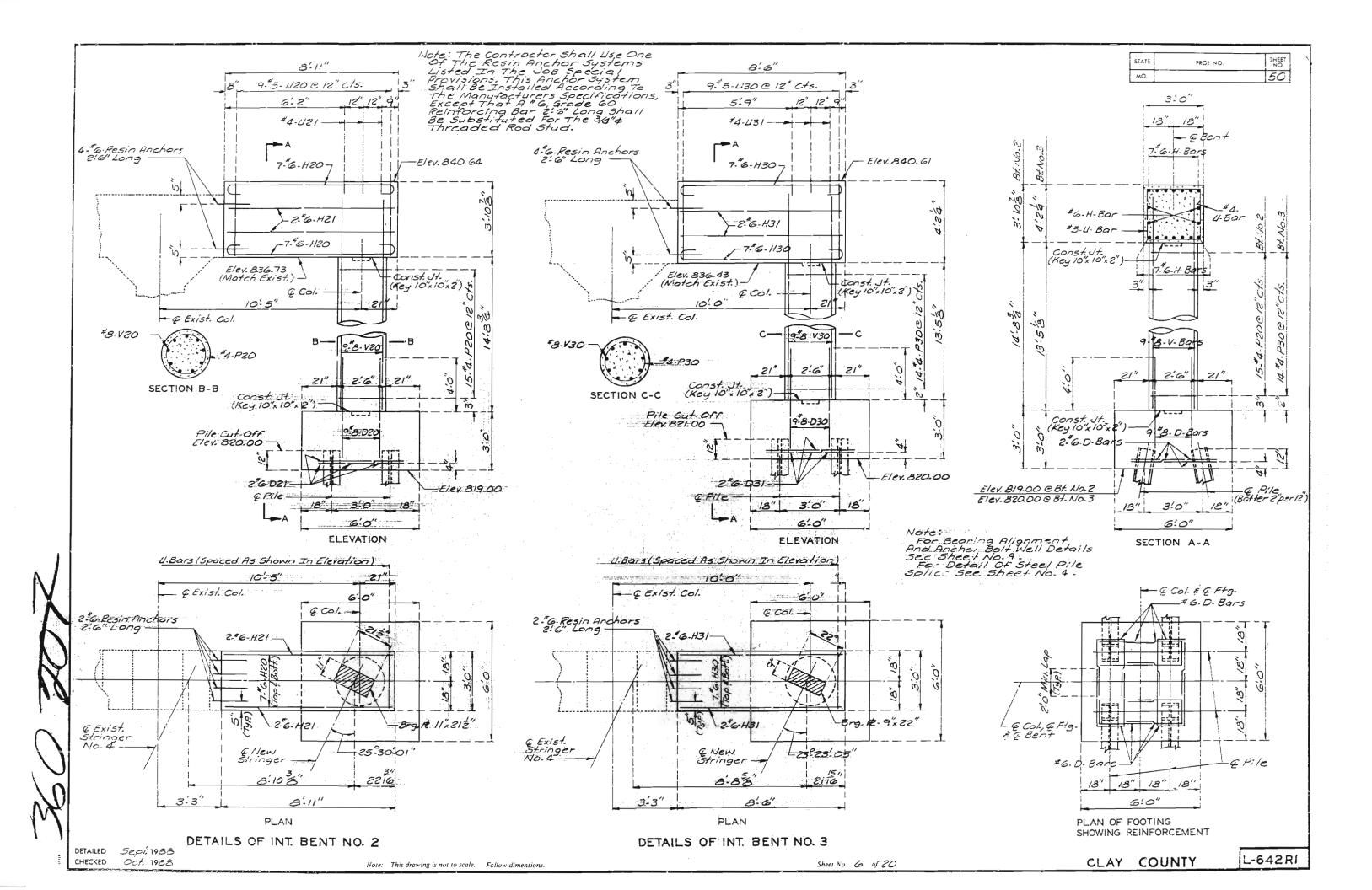


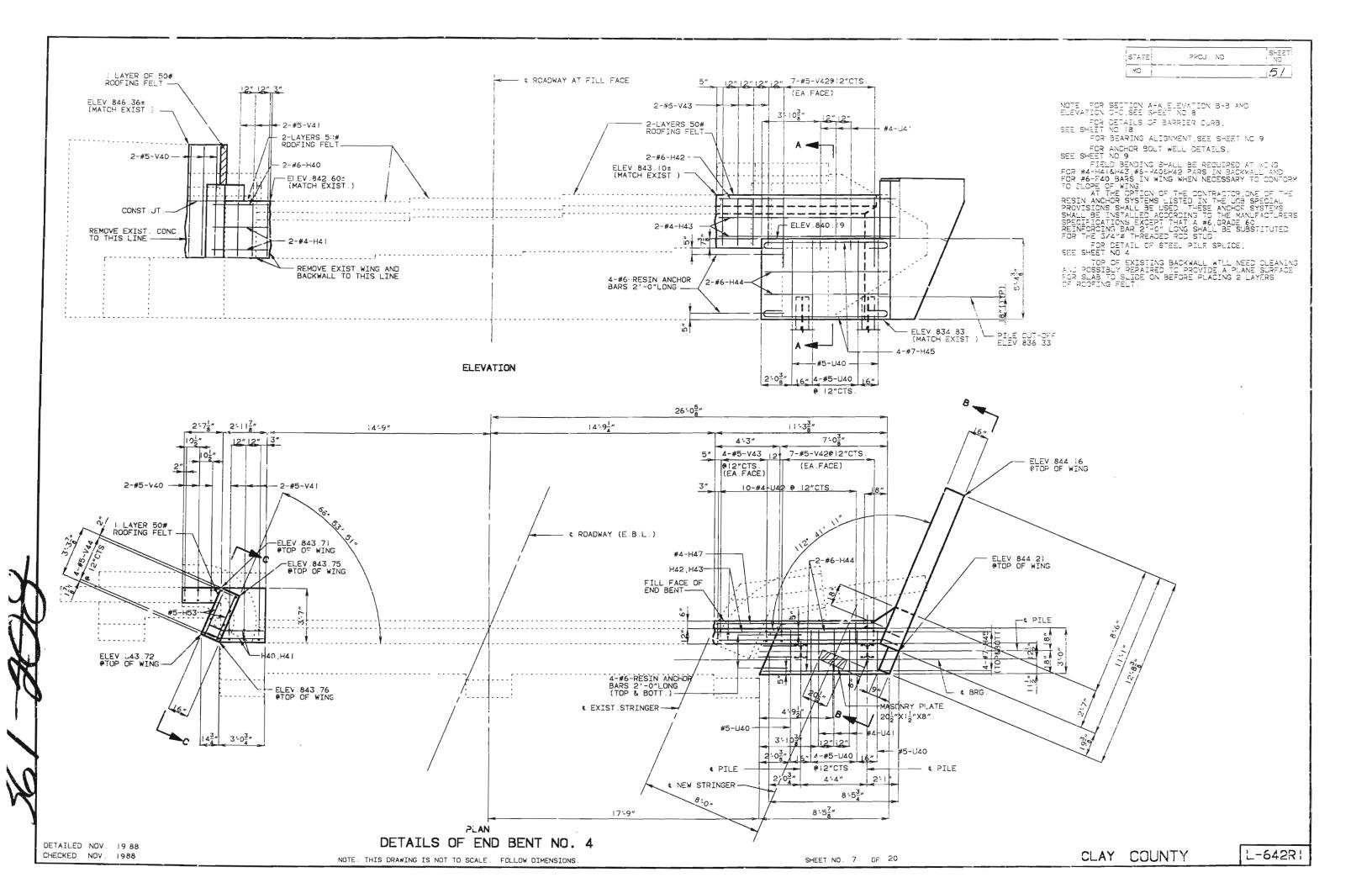
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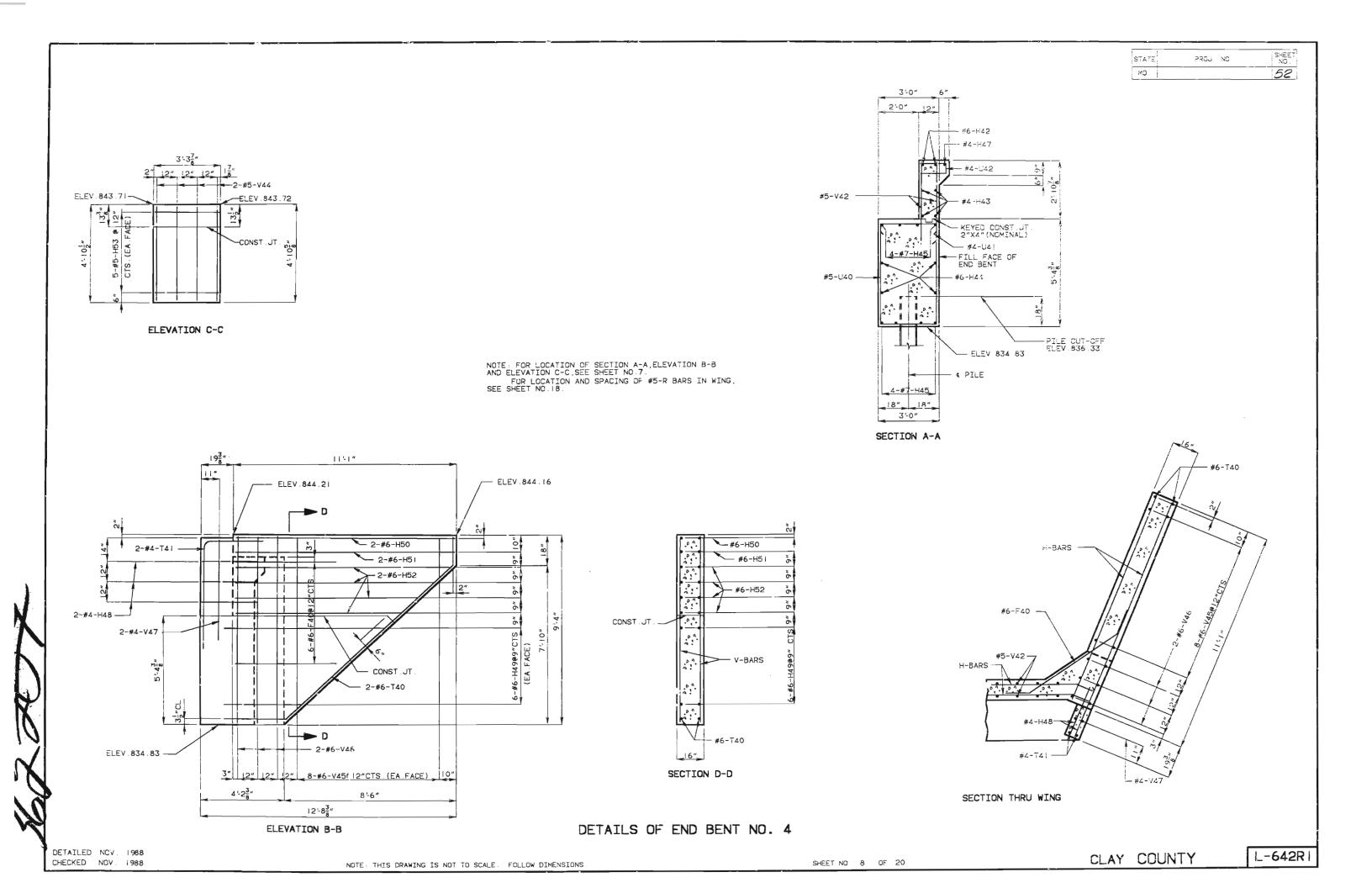
CHECKED NOV. 1988

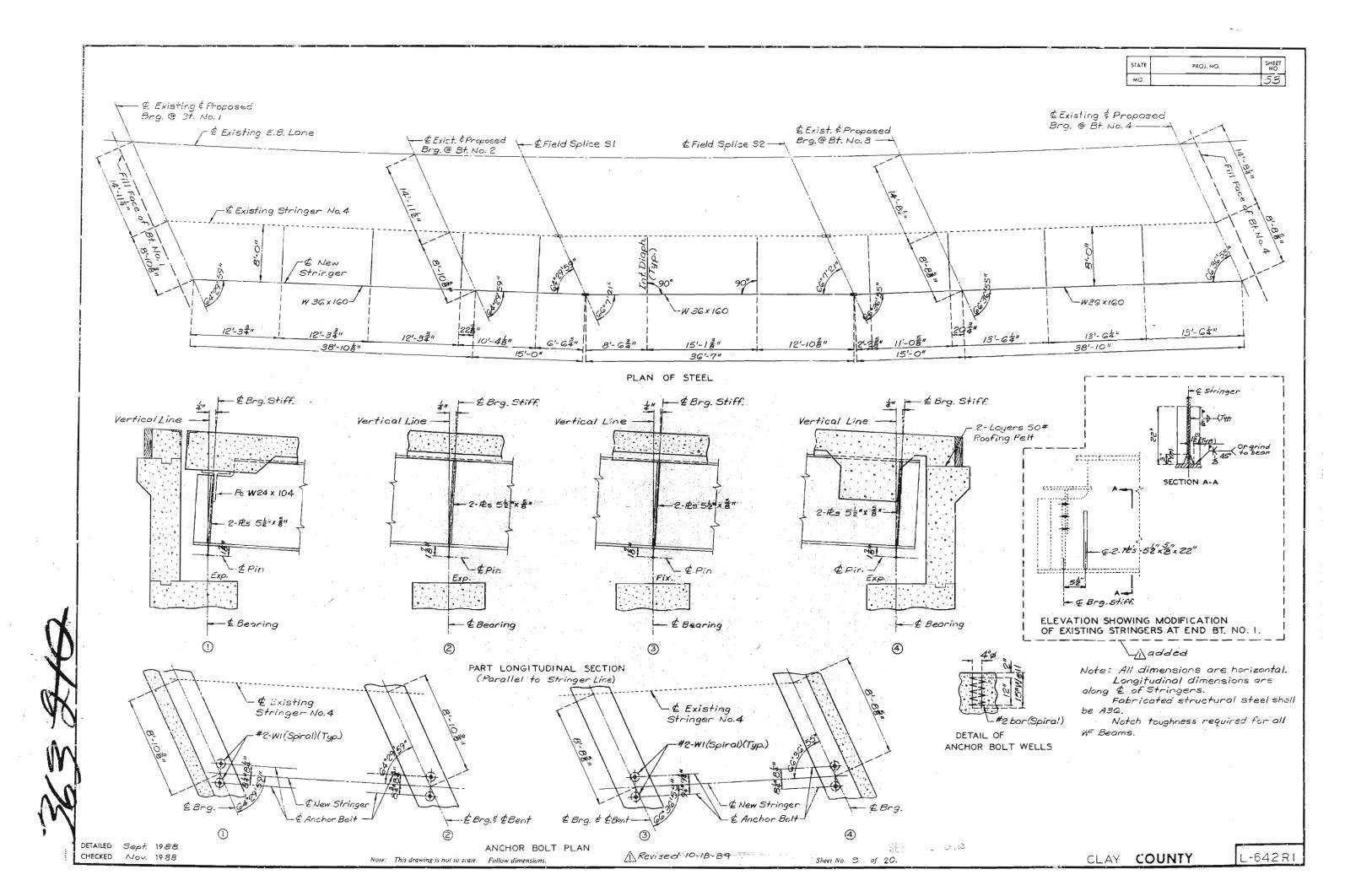
SHEET NO. 5 OF 20

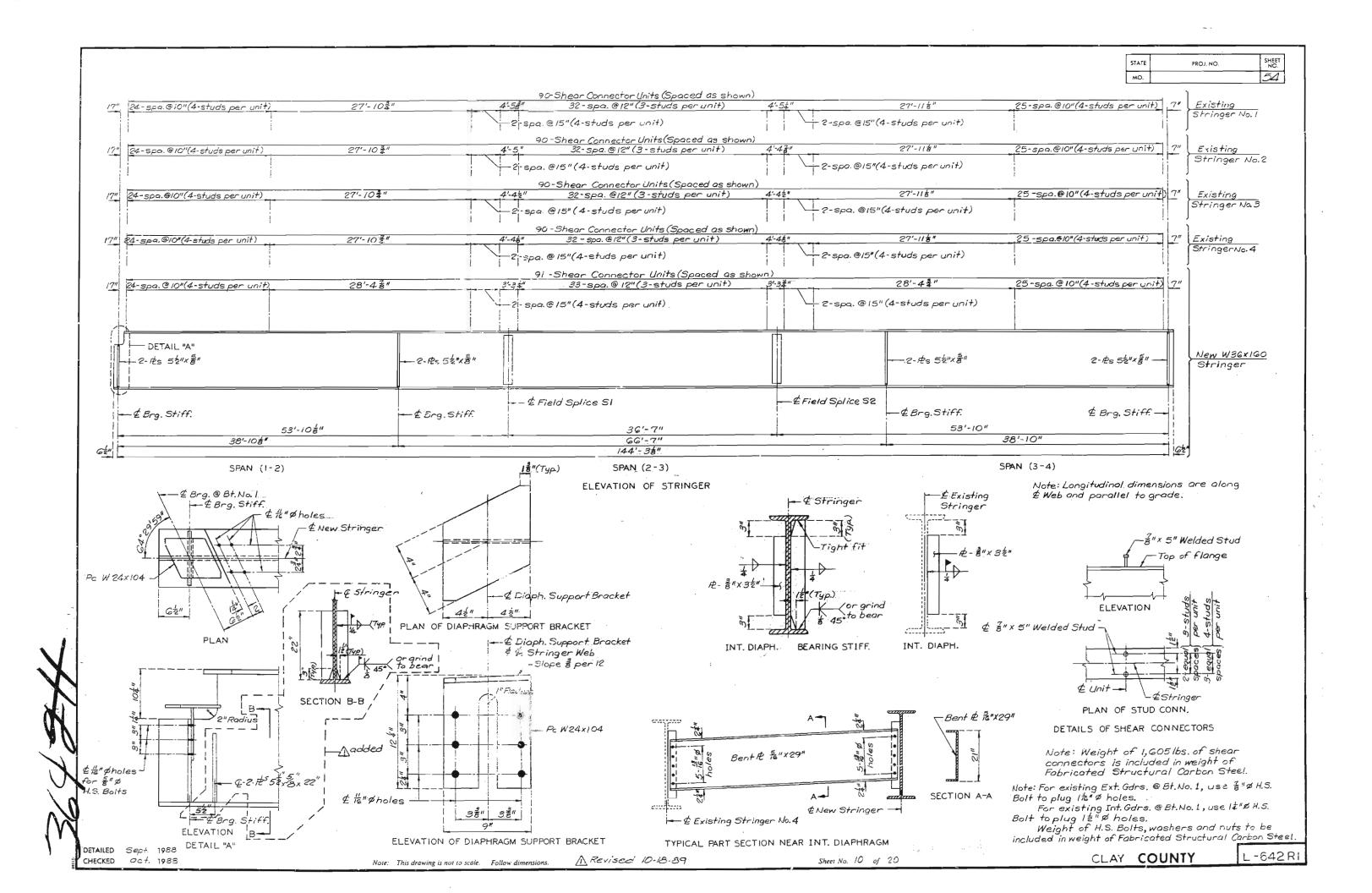
L-642R1

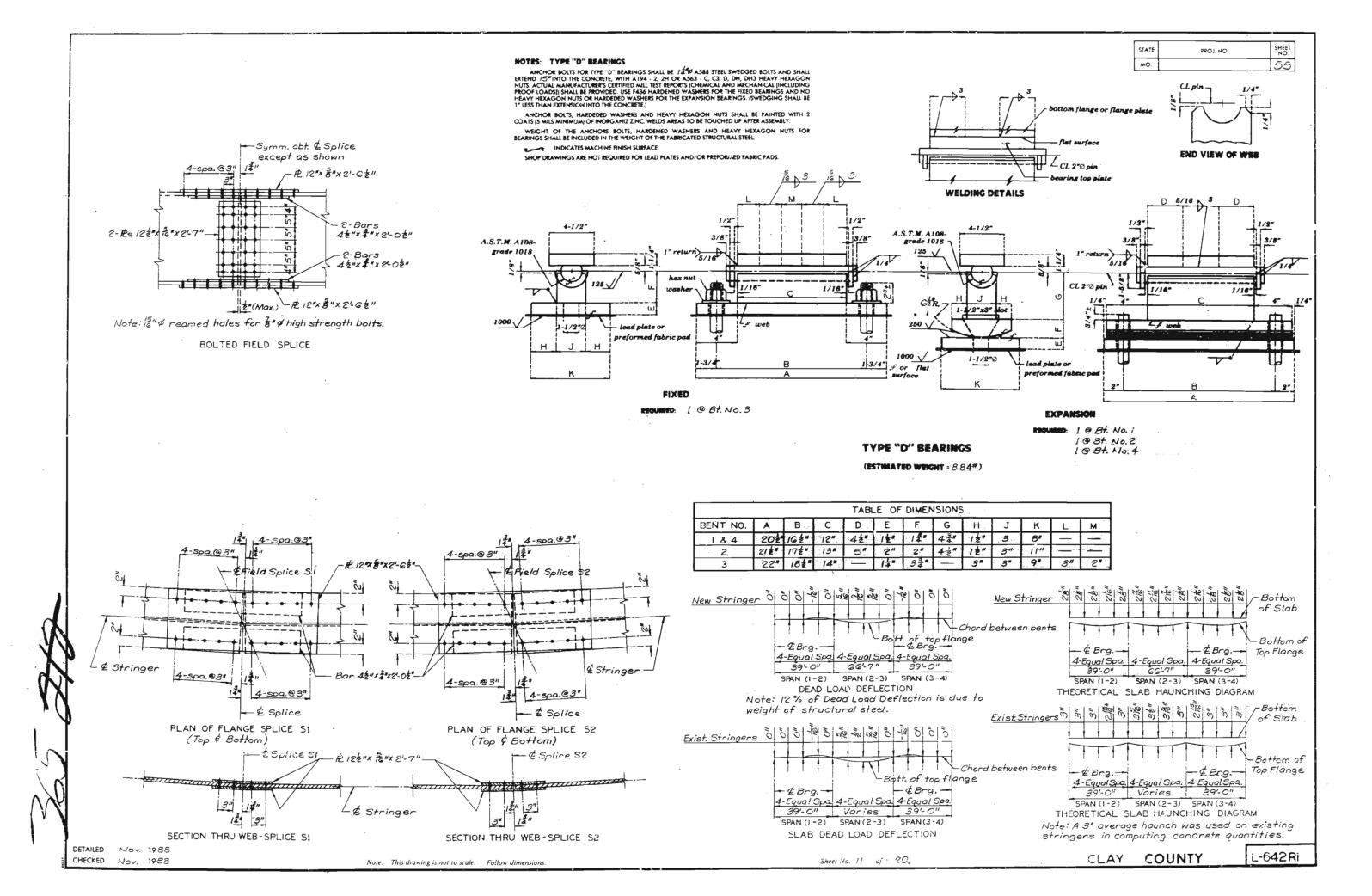


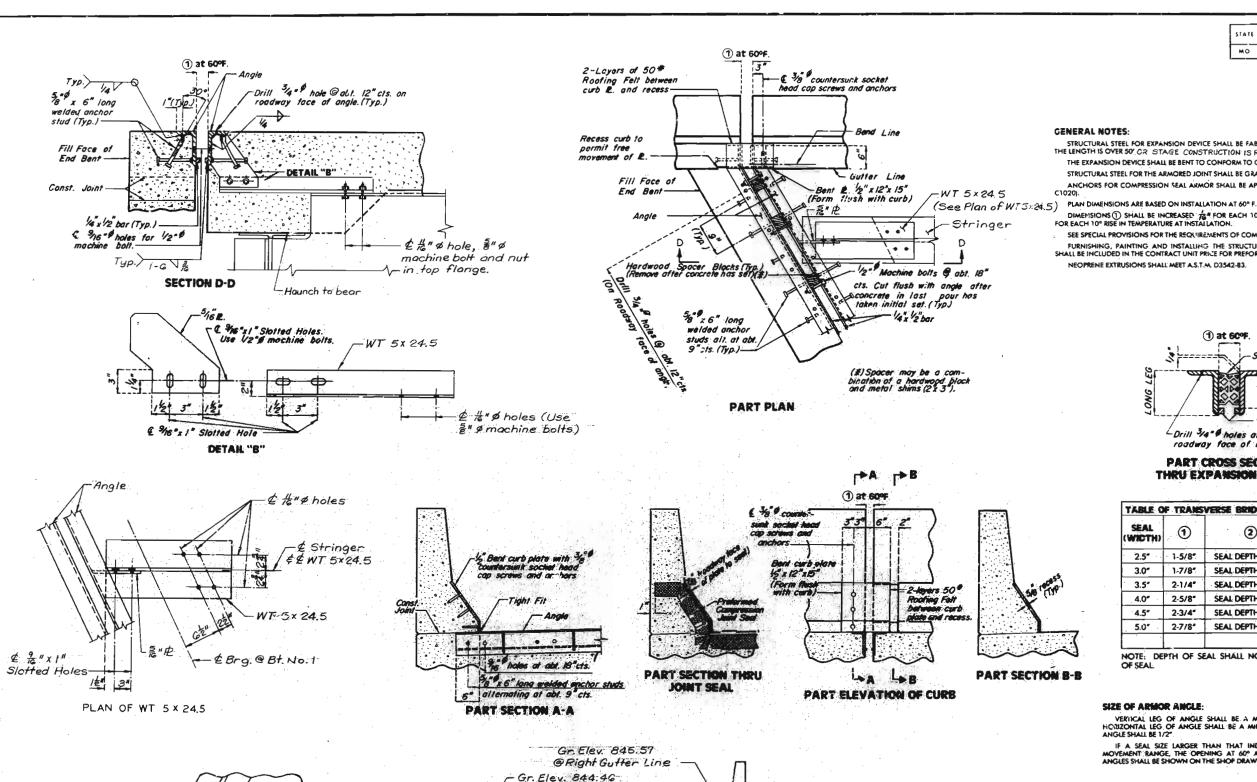












@Left Gutter Line

SECTION AT & EXP. GAP

Gr. Elev. 844.90 -

17'-98"

STRUCTURAL STEEL FOR EXPANSION DEVICE SHALL BE FABRICATED IN ONE SECTION, EXCEPT THAT WHEN THE LENGTH IS OVER 50' CR STAGE CONSTRUCTION IS REQUIRED, SPLICING IS PERMISSIBLE. THE EXPANSION DEVICE SHALL BE BENT TO CONFORM TO CROWN AND GRADE OF ROADWAY.

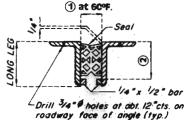
STRUCTURAL STEEL FOR THE ARMORED JOINT SHALL BE GRADE A36.

ANCHORS FOR COMPRESSION SEAL ARMOR SHALL BE APPROVED STUD WELDED ANCHORS (C1010 THRU C1020).

DIMENSIONS () SHALL BE INCREASED & FOR EACH 10° FALL IN TEMPERATURE AND DECREASED 16" FOR EACH 10° RISE IN TEMPERATURE AT INSTALLATION.

SEE SPECIAL PROVISIONS FOR THE REQUIREMENTS OF COMPRESSION JOINT SEAL.

FURNISHING, PAINTING AND INSTALLING THE STRUCTURAL STEEL ARMORED JOINT AND CURB PLATES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PREFORMED EXPANSION JOINT SEAL



PART CROSS SECTION THRU EXPANSION JOINT

TABLE O	F TRANS	VERSE BRIDGE SEAL	DIMENSIONS	
SEAL (WICTH)	1	2	REQUIRED MOVEMENT RANGE	
2.5*	1-5/8"	SEAL DEPTH + 3/4"	9"],
3.0″	1-7/8"	SEAL DEPTH + 3/4"	1.0"	End Bt. No
3.5*	2-1/4"	SEAL DEPTH + 3/4"	1.3"]′
4.0"	2-5/8"	SEAL DEPTH + 3/4"	1.6"]
4.5"	2-3/4"	SEAL DEPTH + 3/4°	1.9"]
5.0	2-7/8"	SEAL DEPTH + 3/4"	2.0*]

NOTE: DEPTH OF SEAL SHALL NOT BE LESS THAN WIDTH OF SEAL

VERTICAL LEG OF ANGLE SHALL BE A MINIMUM OF DEPTH OF SEAL + $1\cdot1/2^{\circ}$. HC312ONTAL LEG OF ANGLE SHALL BE A MINIMUM OF 3° . MINIMUM THICKNESS OF ANGLE SHALL BE $1/2^{\circ}$.

IF A SEAL SIZE LARGER THAN THAT INDICATED ON THE PLANS IS USED, THE MOVEMENT RANGE. THE OPENING AT 60° AND ALL DIMENSIONS FOR THE ARMOR ANGLES SHALL BE SHOWN ON THE SHOP DRAWINGS.

DETAILS OF PREFORMED COMPRESSION JOINT SEAL AT BENT

& Roadway

26'-7±"

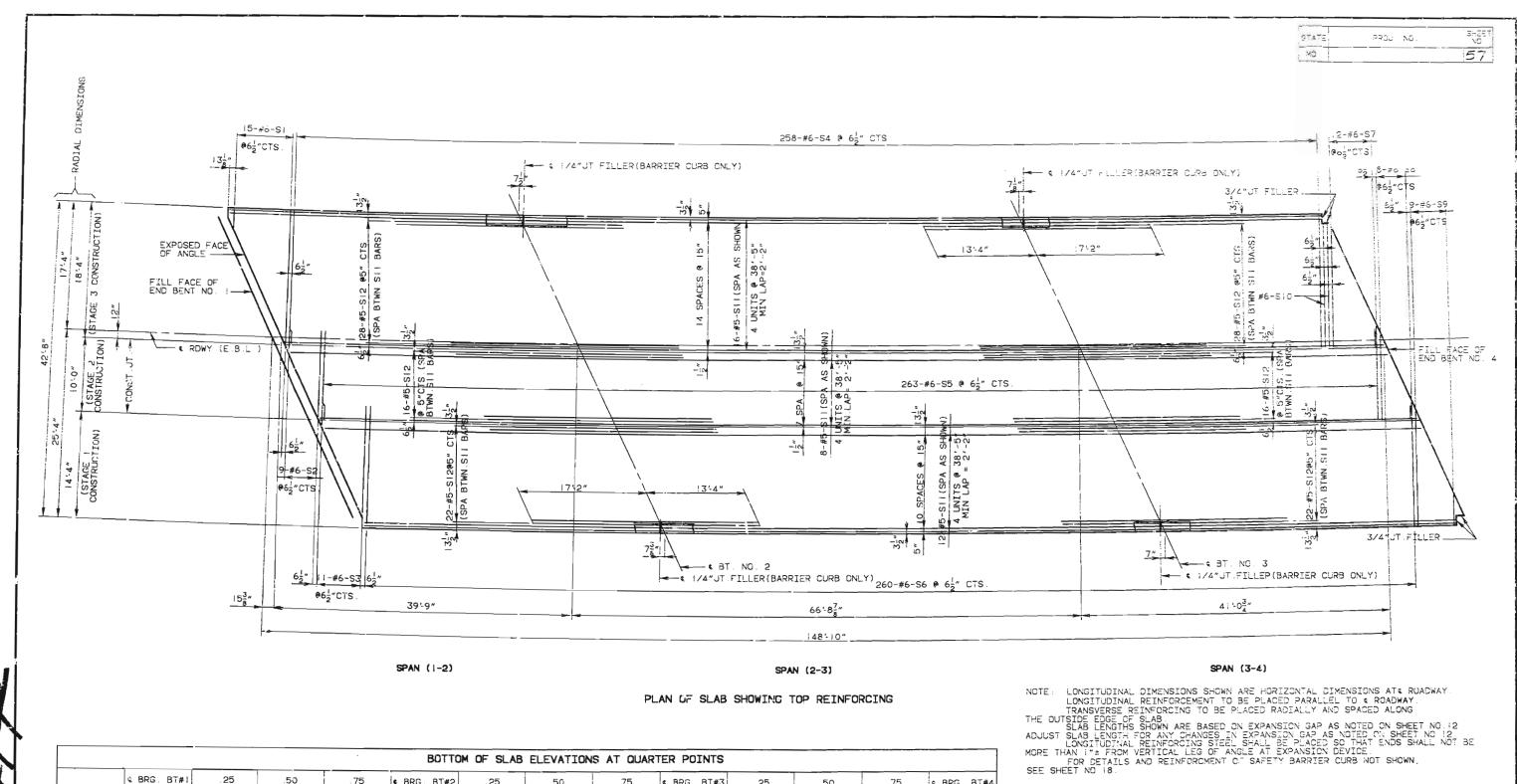
DETAILED Nov. 1988 CHECKED NOV. 1988 Acute 4 = 64 3 47 (Lt. Gutter Line)

Acute 4 = 64 - 26 28 (Rt. Gutter Line)

-E Exp. Gop

PART PLAN AT EXP. GAP

NO 56



	BOTTOM OF SLAB ELEVATIONS AT QUARTER POINTS												
	& BRG. BT#1	. 25	.50	. 75	€ BRG. BT#2	. 25	.50	. 75	€ BRG BT#3	. 25	.50	. 75	e BRG BT#4
ı	843.82	843.77	843.72	843.68	843.63	843 . 55	843.47	843.40	843.32	843.27	843 22	843.18	843.13
2	844.06	844.02	843.97	843.93	843.88	843.80	843.72	843.65	843.57	843.52	843 .47	843.43	843.38
3	844.31	844 . 27	844.22	844.18	844.!3	844.05	843.97	843.90	843.82	843 . 77	843.73	843.68	843.63
4	844.56	844 52	844.47	844 43	844.38	844.31	844.23	844.!5	844.07	844.02	843.98	843.93	843.89

844.45

844.37

844.29

844.25

844.20

844 16

844.53

NOTE: BOTTOM OF SLAB ELEVATIONS DO NOT INCLUDE ALLOWANCE FOR DEAD LOAD DEFLECTION.

844.61

DETAILED SEPT. 1988 CHECKED NUV. 1988

NEW STR.

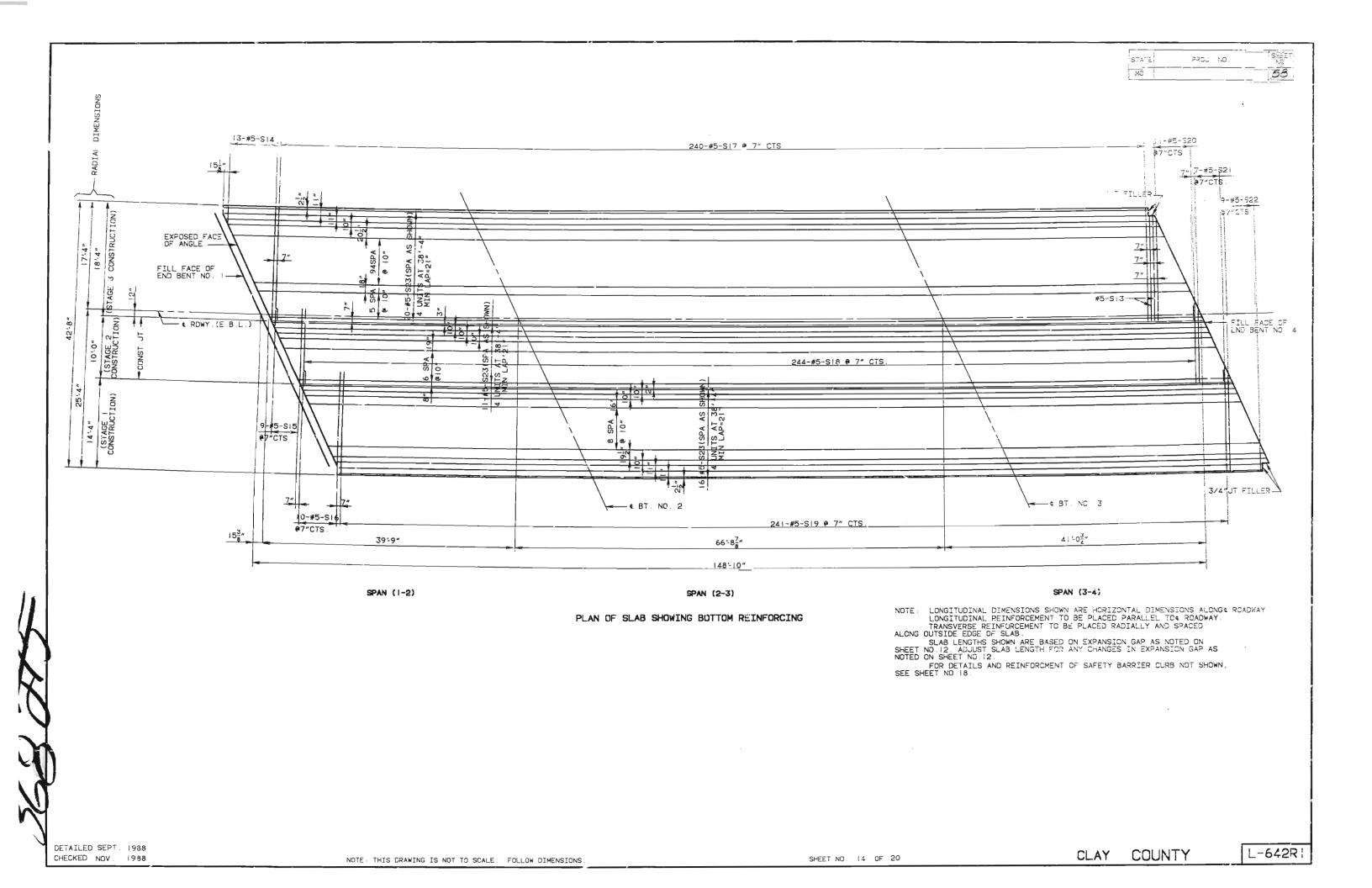
844.78

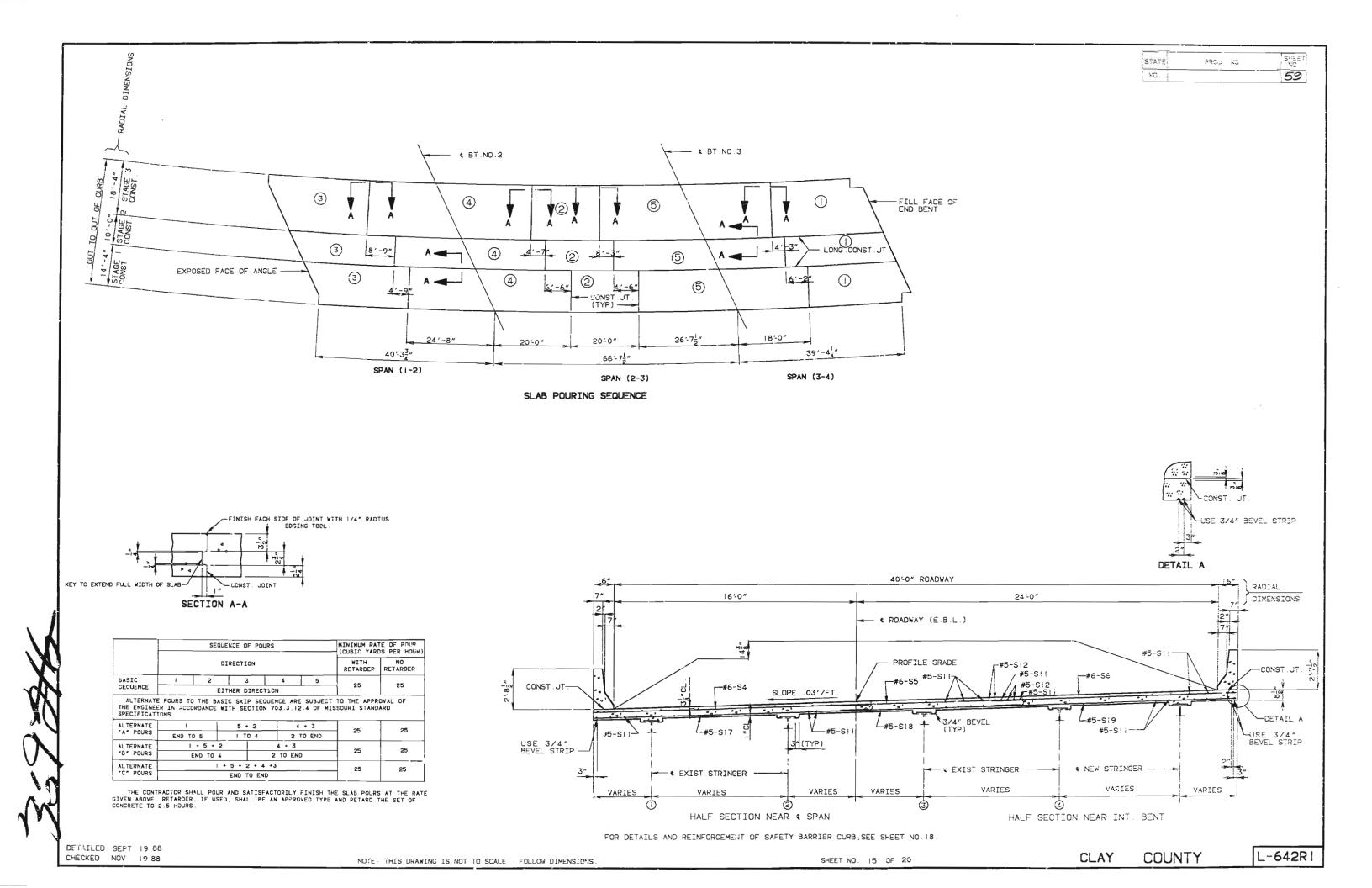
844.74

844.69

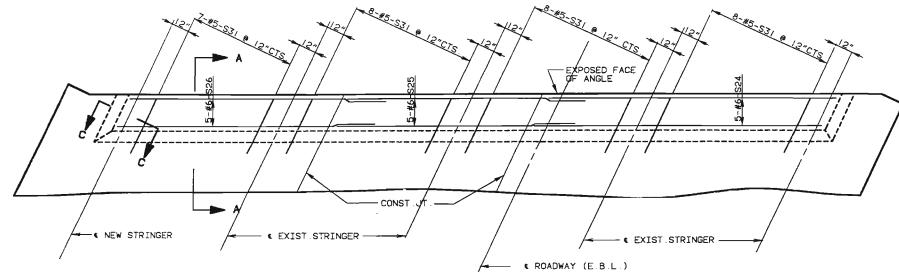
541.65

844.11

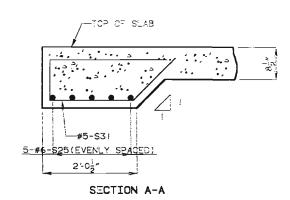






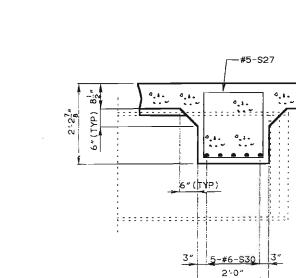


PLAN OF SLAB NEAR END BENT NO. 1

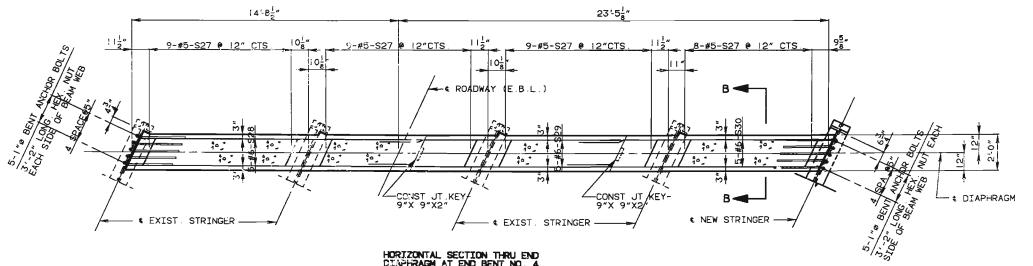


BOTTOM OF SLAB PC W24X104--- * NEW STRINGER

SECTION C-C

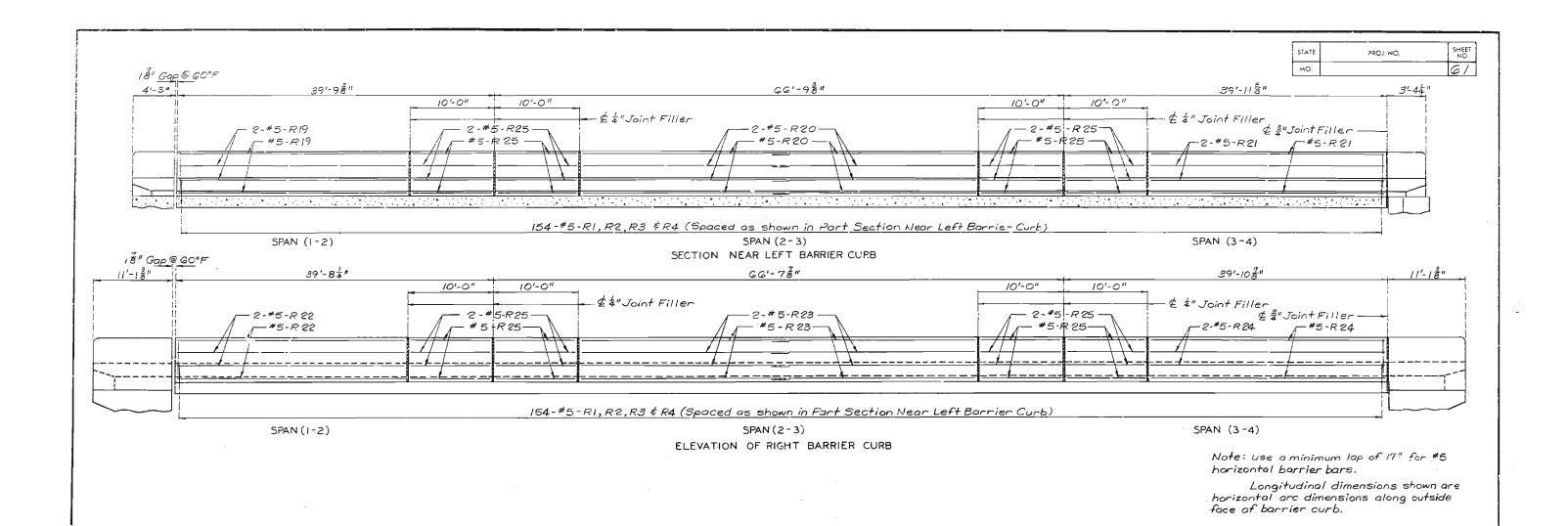


SECTION B-B



HORIZONTAL SECTION THRU END DIAPHRAGM AT END BENT NO. 4

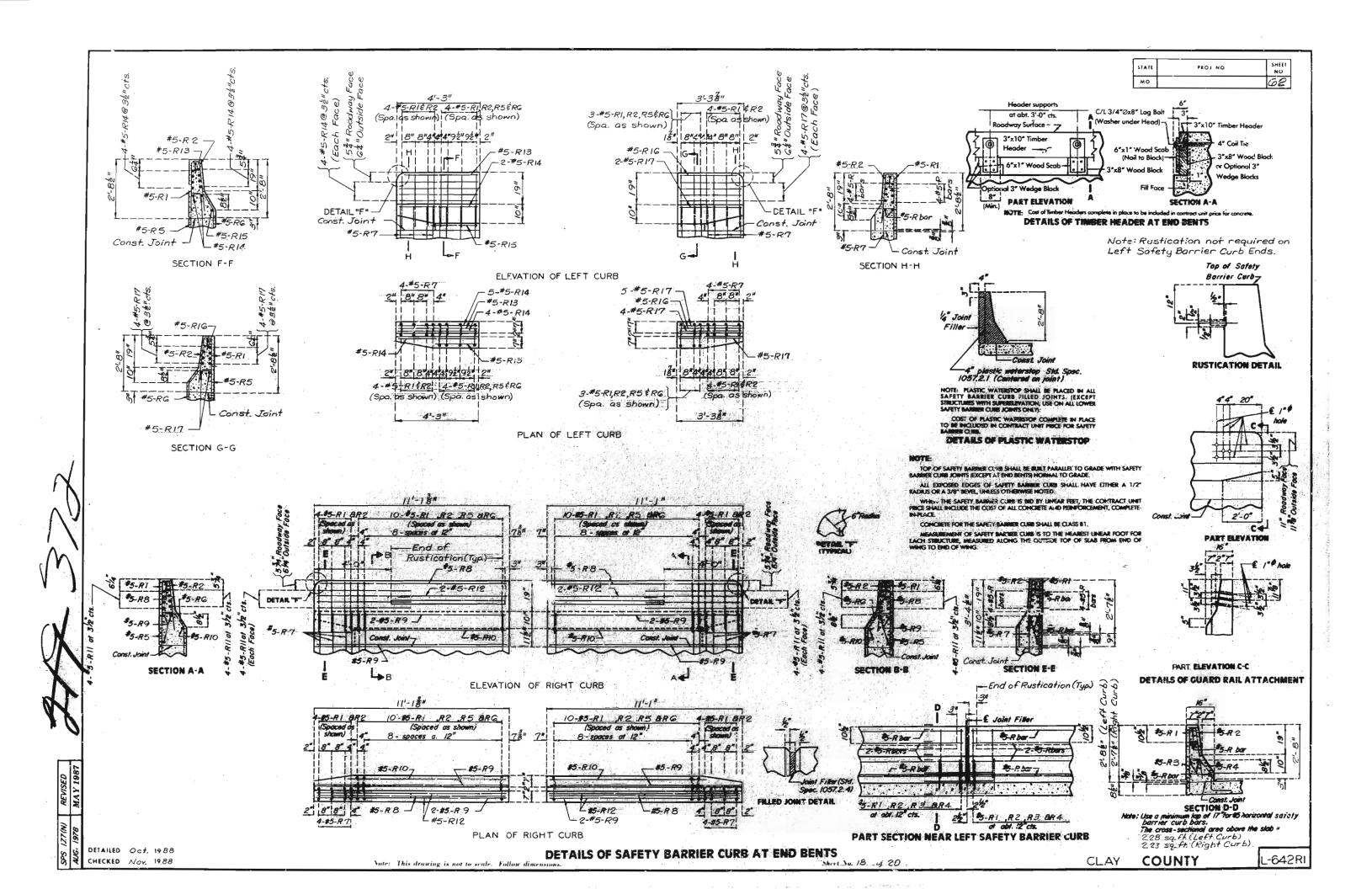
NOTE: 1" ANCHOR BOLTS ARE TO BE SHOP BENT #6-S28,S29,AND S30 BARS TO BE PLACED THRU 12 0 HOLES IN EXIST STRINGERS. COST OF FURNISHING AND INSTALLING !" ANCHOR BOLTS SHALL SE INCLUDED IN FABRICATED STRUCTURAL STEEL NO DIRECT PAYMENT WILL BE MADE FOR FIELD DRILLING.

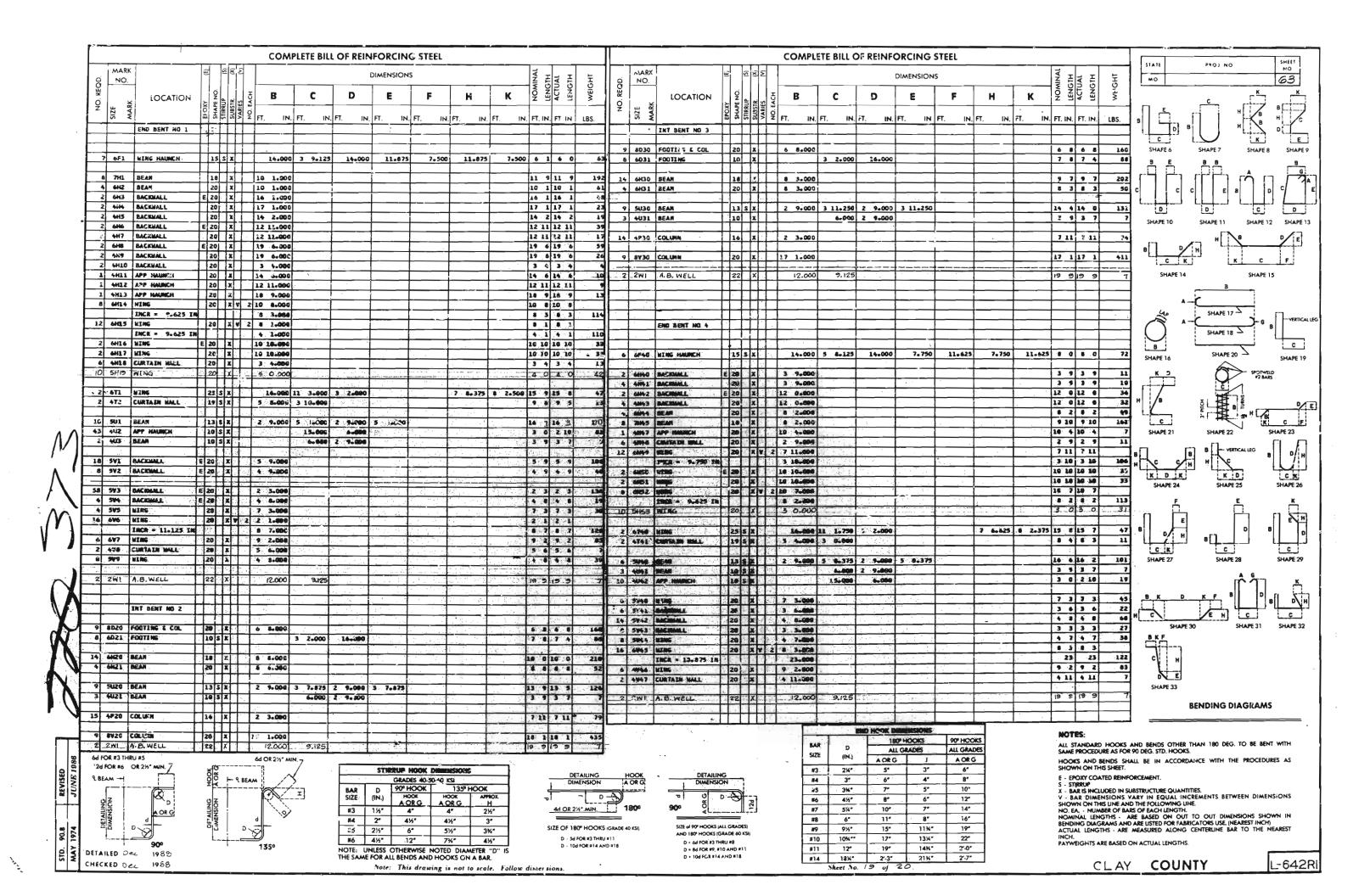


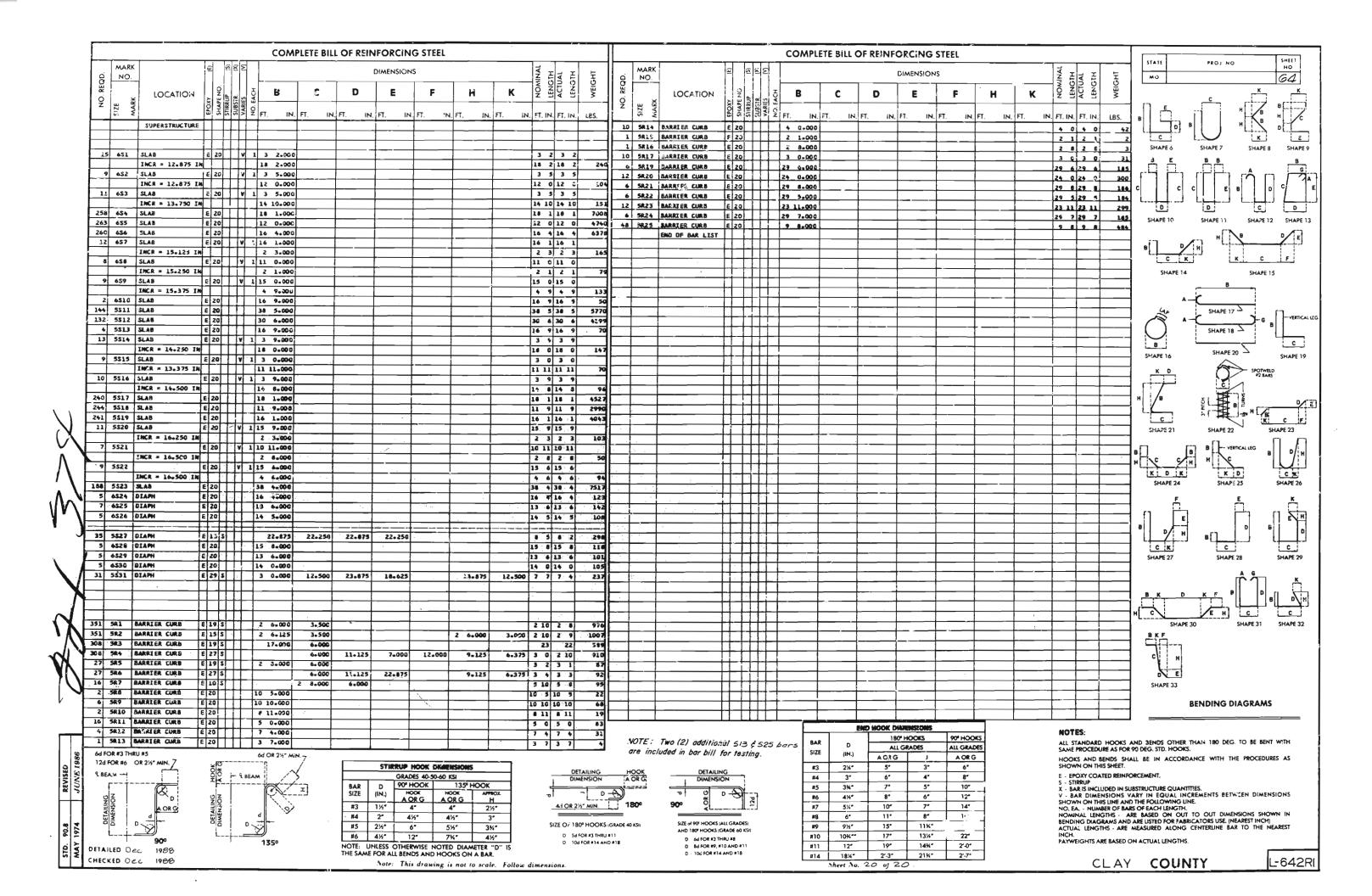
DETAILED Oct 1988 CHECKED Nov. 1988

Sheet No. 17 of 20

_-642RI







DESIGNED Aug. 1988 DETAILED NOV. 1988 CHECKED NOV. 1288

* Approximately 139 tons of new steel and 53.1 tons of existing steel were pain d (See Special Provisions)

Note: Concrete above upper construction joint in backwall e End Bent No. I Was included with Closs B (Substructure) Quantities and Diaphgram is included in Weight of threaded in the of and nuts in End Diaphgram is included in Note: This drawing is not to scale. Follow dimensions.

Sheet No. I A of 20.

Painting Existing and New Steel

Contingent: Adjust Bearing Devise

Lump Sum

ETHLE HATEL

each -

RTE. I-35

IN KANSAS CITY

JOB NO. 4-1-35-816

PROJECT NO.

CLAY

COUNTY.

STA 371+ 13.15 EBL

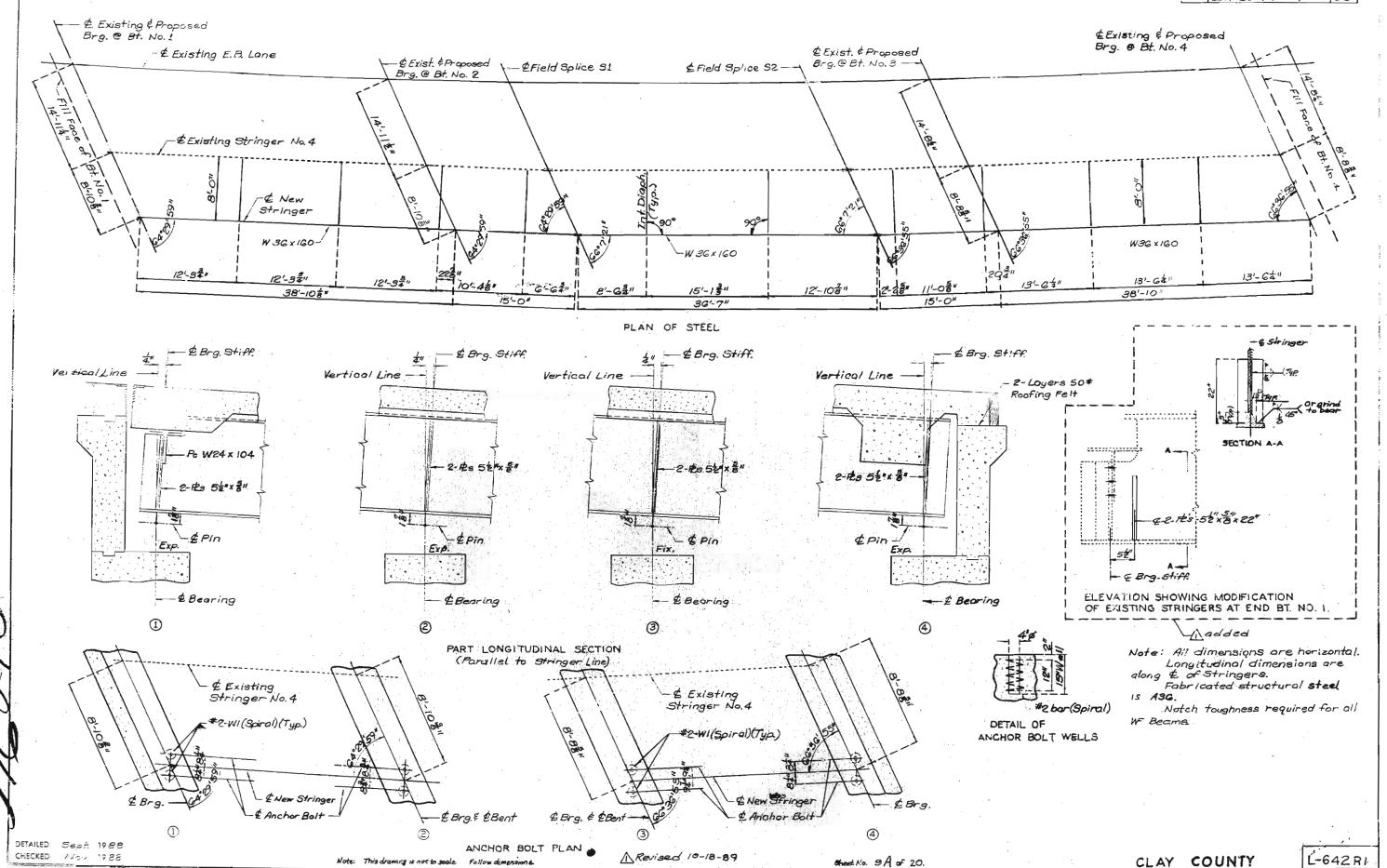
STD.706.35

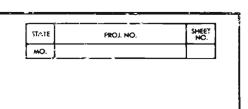
DATE 1/13/89

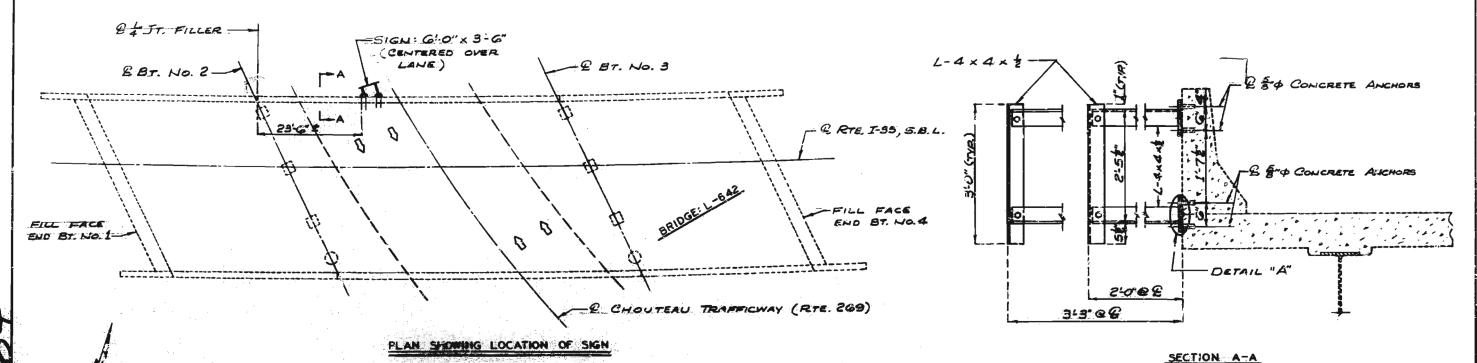
C 642 RI

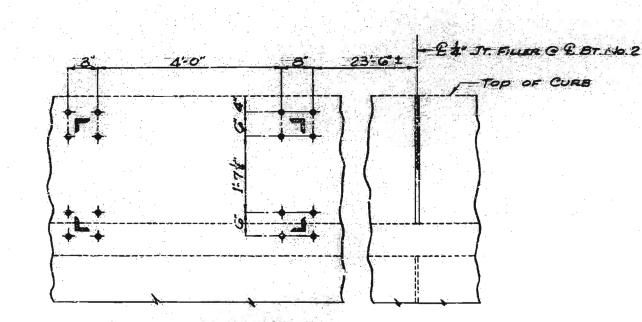
STD.

STATE PROJ. NO. SHEET NO. MO. IR-35-1 (233) 53









LAYOUT FOR CONCRETE ANCHORS

Rexiot xate

GENERAL NOTES:

ALL STRUCTURAL STEEL SHALL BE ASTM A3G, GALVANIZED

PIELD CONNECTIONS: High Strength Bolts & , Holes & , All Bolts, Nuts

AND WASHERS SHALL BE GALVANIZED. THE TURN OF NUT METHOD OF OBTAINING

BOLT TENSION FOR HIGH STRENGTH BOLTS MAY BE USED (SEE STD. SPEC. 712.10.2).

CONCRETE ANCHORS SHALL BE THE NON-DRILLING EXPANSION TYPE. THEY

SHALL HAVE: CERTIFIED CONCRETE PULL-OUT STRENGTH (ULTIMATE LOAD) OF AT LEAST

8,3CO POUNDS IN 3,000 PSI CONCRETE. THE HOLE SHALL BE PRE-DRILLED WITH A

CONVENTIONAL CARBIDE MASONRY BIT.

CENTER AND LEVEL SIGN ON BRACKETS. DRILL 76" & HOLES IN THE VERTICAL ANGLES AND PROVIDE \$" & BOLTS FOR ATTACHMENT OF SIGN.

THE COST OF FURNISHING AND INSTALLING THE CONCRETE ANCHORS, SIGN SUPPORT BRACKETS AND SIGN COMPLETE IN PLACE, SHALL BE PAID FOR AS A ROADWAY ITEM, SIGN SUPPORT BRACKETS ON STRUCTURE (LUMP SUM).

SIGN TO BE FURNISHED BY OTHERS.

SIGN SUPPORTS

DETAILED MAY 1989 CHECKED MAY 1989

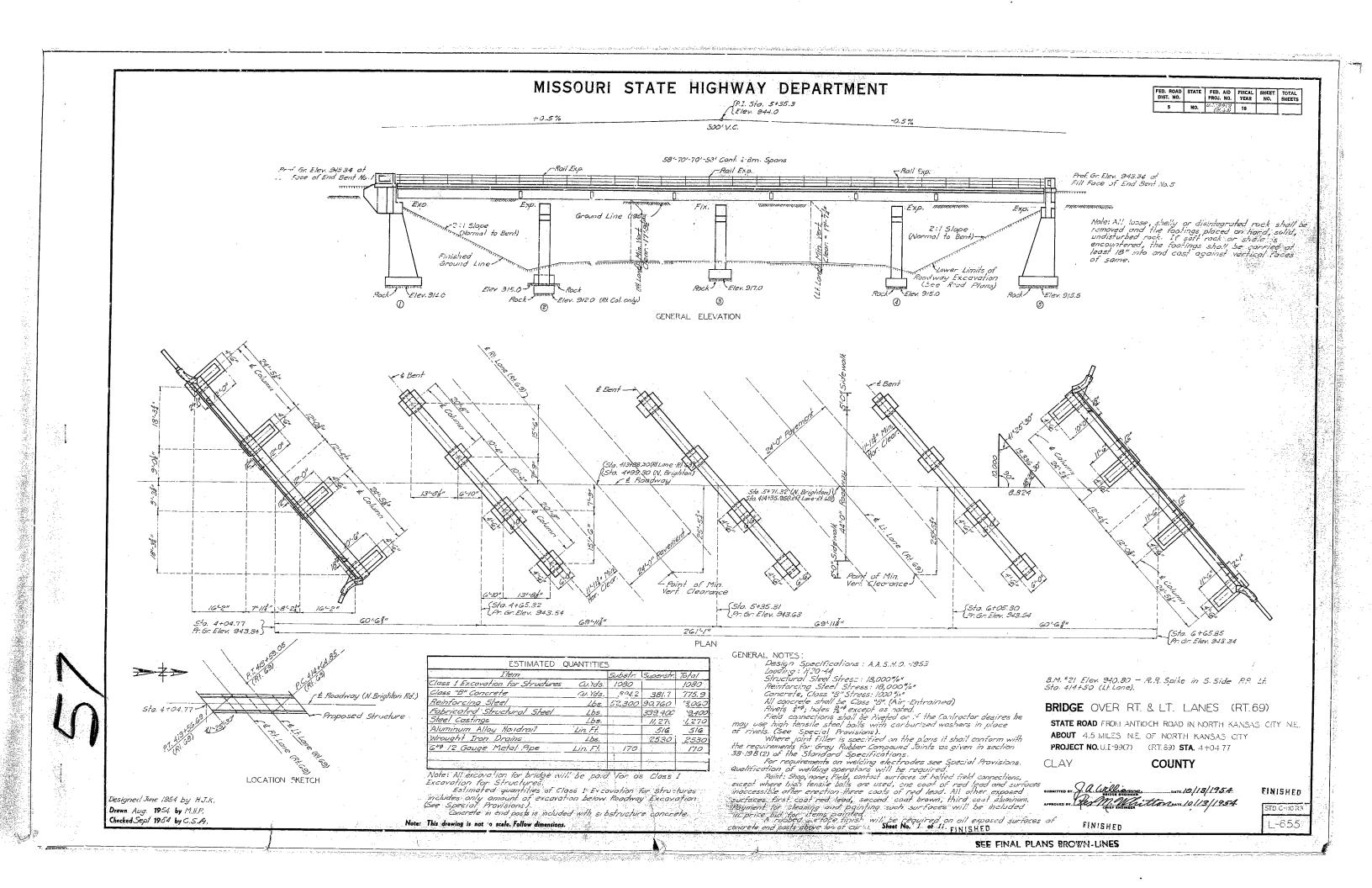
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 1.

COUNTY

L-642R2

CLAY



	MISSOURI STATE HIGHWAY DEPARTMENT	FEO. ROAD STATE FED. AID FISCAL SHEET TOTAL DIST. NO. PROJ. NO. YEAR NO. SHEETS
p	COMPLETE DILL OF DEINFORCING STEEL	
No. Size Length Kerk Cocohion No. Size Length Mark Location	COWPLTE DU OF RENFORMS STEEL READ RENFORMS SETTER READ RENFORMS	B Mo.
77 *4	46-55 CUT 92 & BEND AS SHOWN BEND AS SHOWN 52 126 108' 416'' 33' 2'103' 33' 4'93' 33' 2'103' 33' 6'103'' Varies 55-56 511 2113' T1 34' T1 35' 713'' 75	Besm Safety Curb Safety Curb Bk Wall Bk. Wall Column Column Column Column Column Column

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

Drawn AUG 1954 by K.R.W. Checked Sept. 1954 by C.S.A.

Sheet No. 2 of !! FINISHED

FINISHED

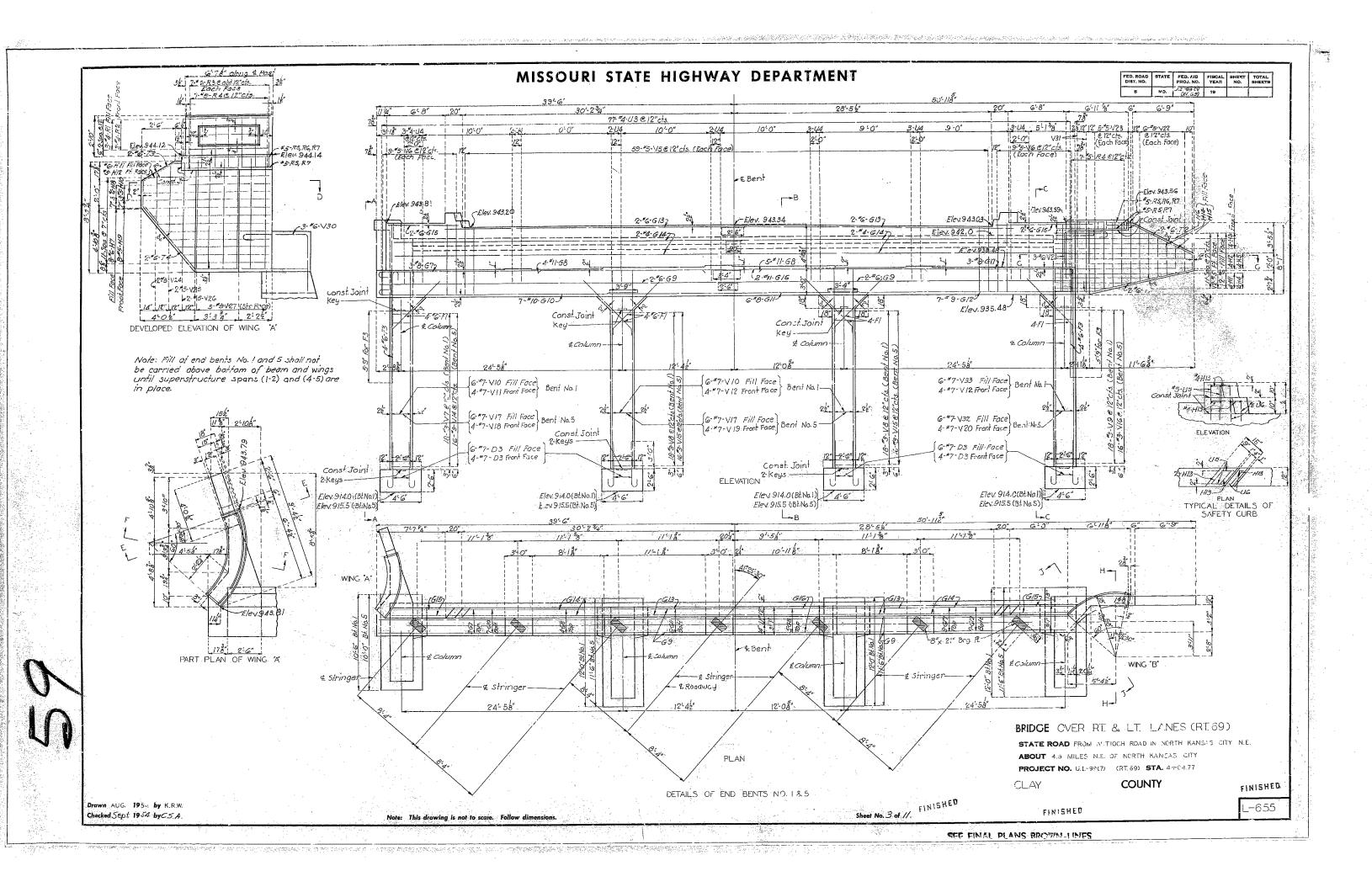
CLAY

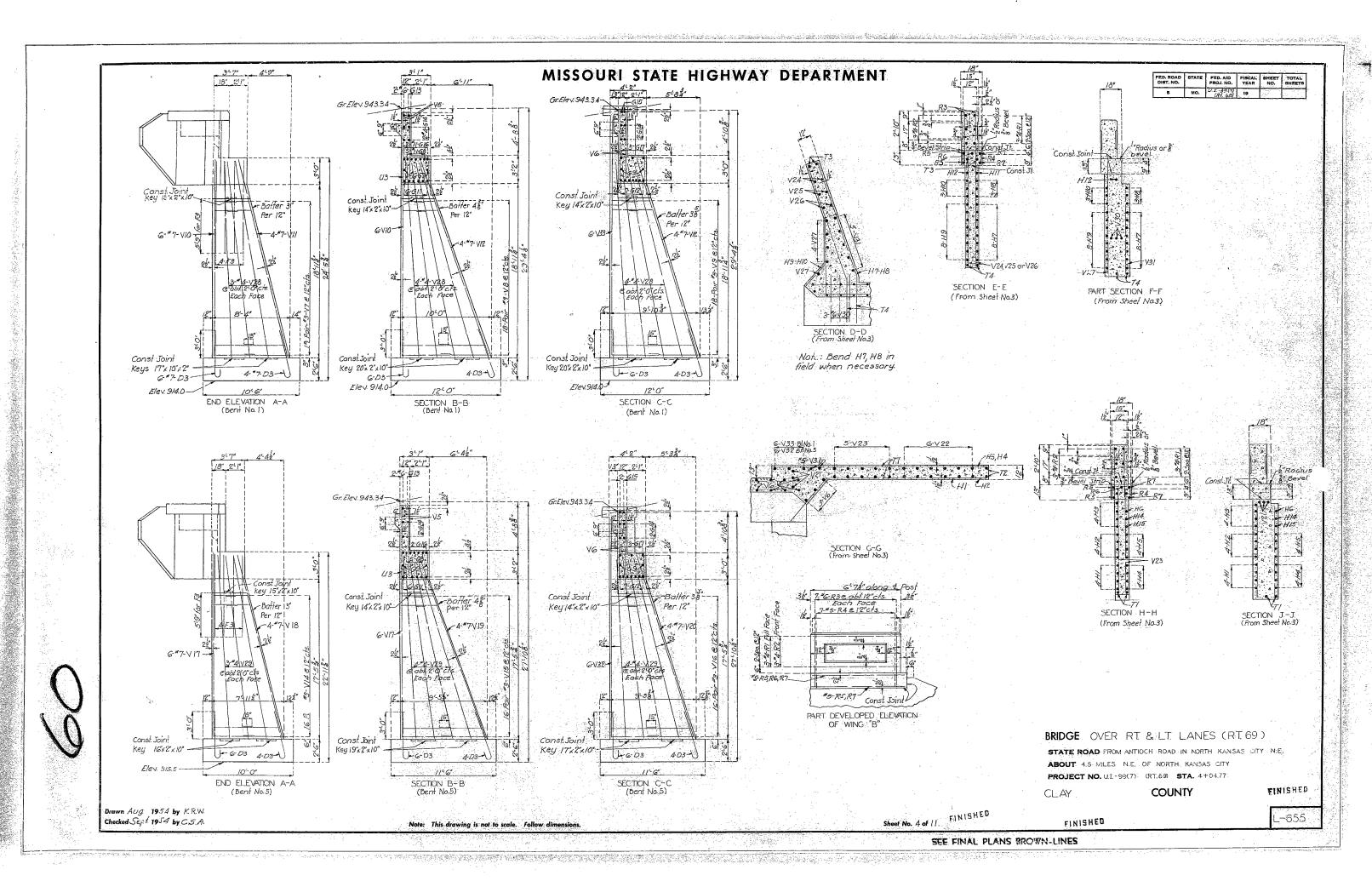
COUNTY

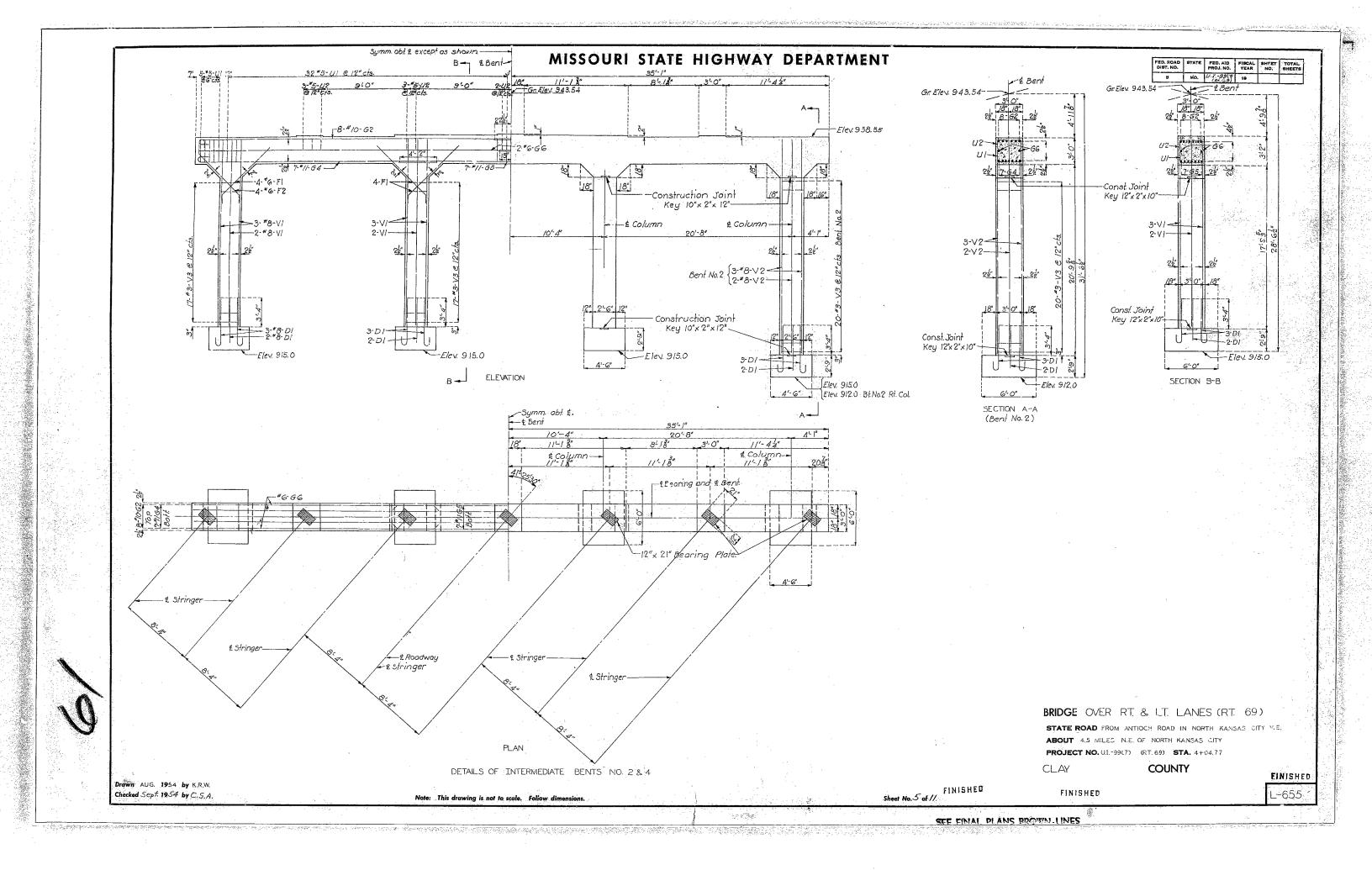
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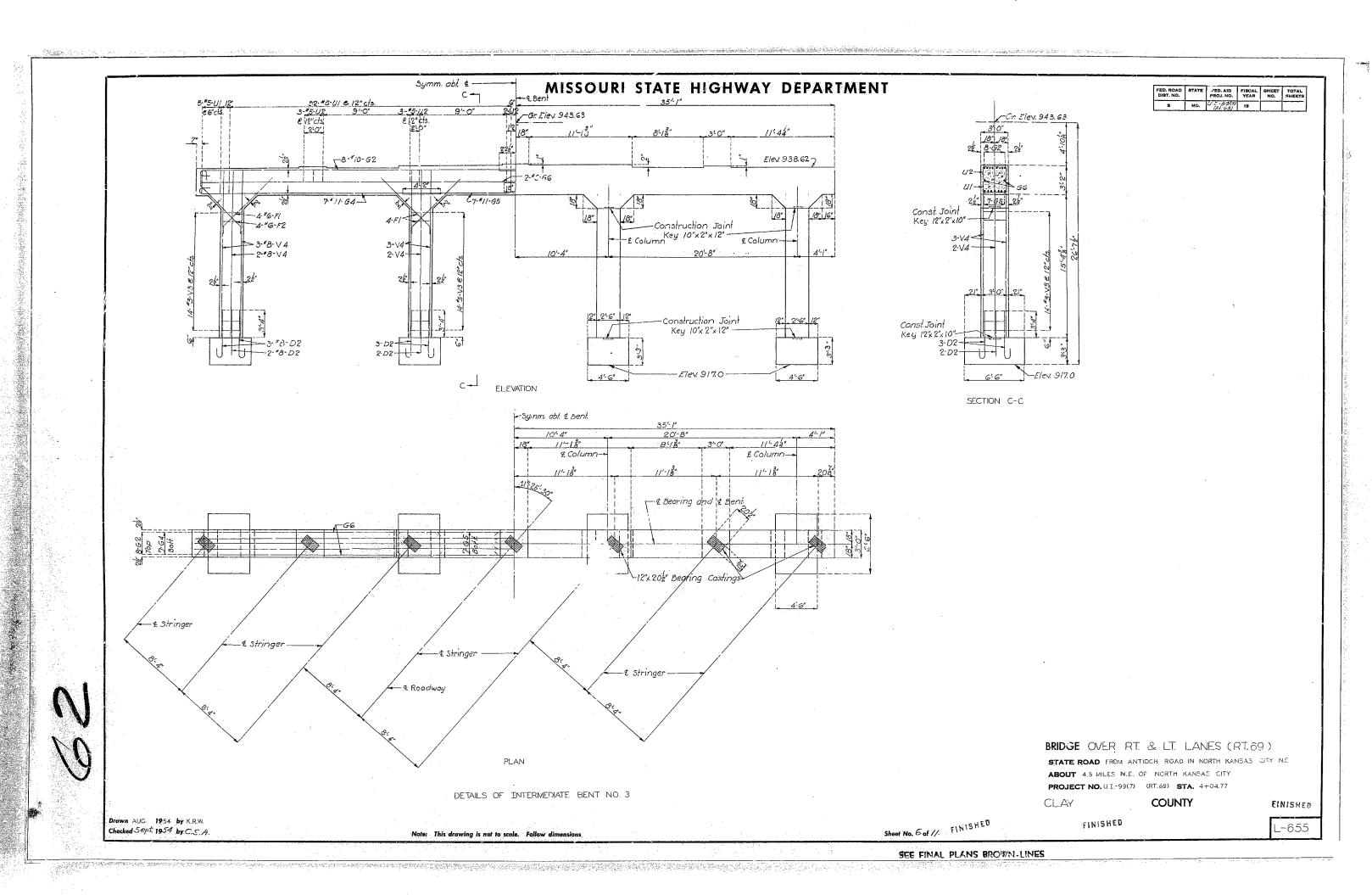
_-655

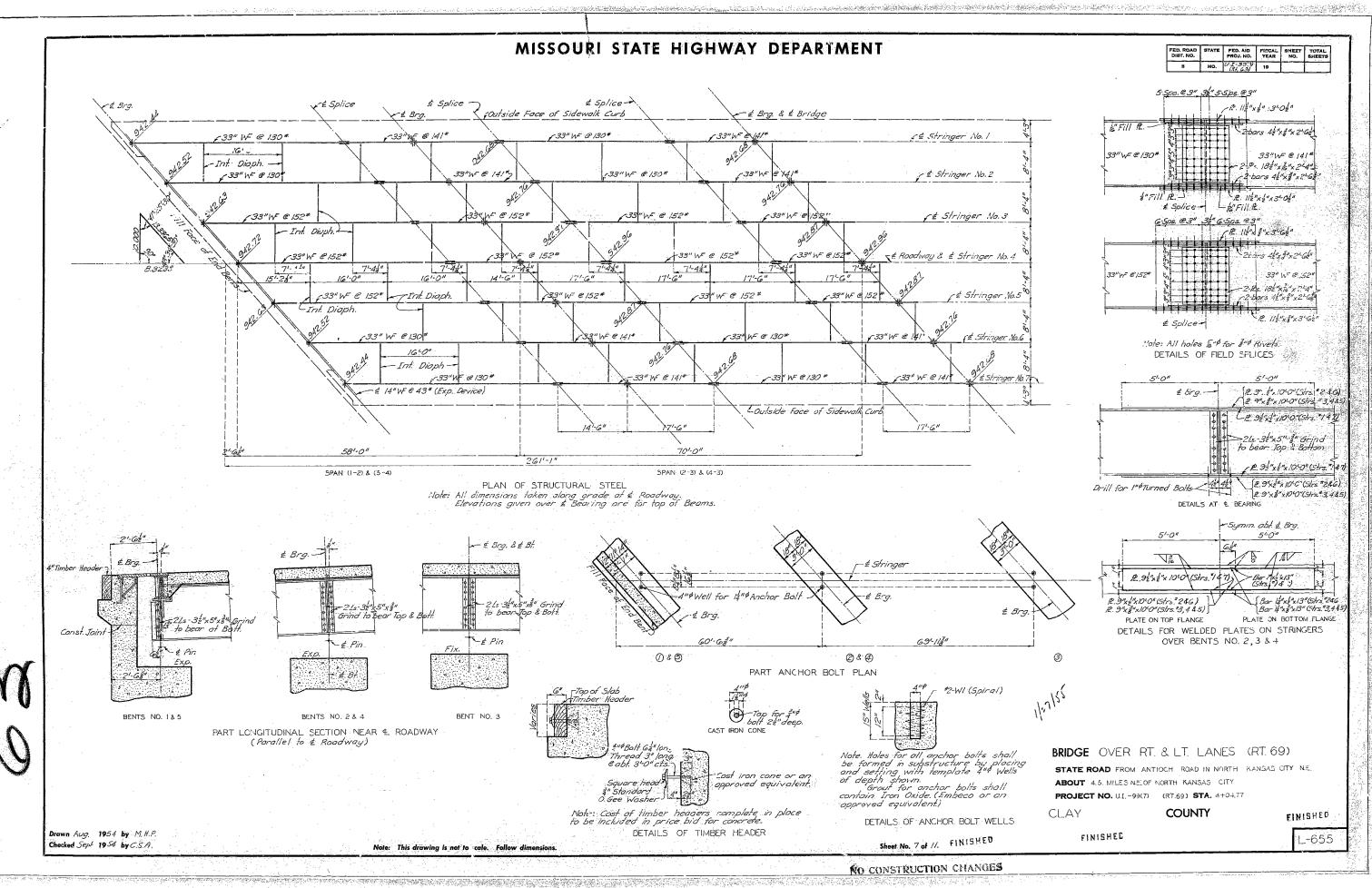
CONSTRUCTION CHANGES NOTED HEREON

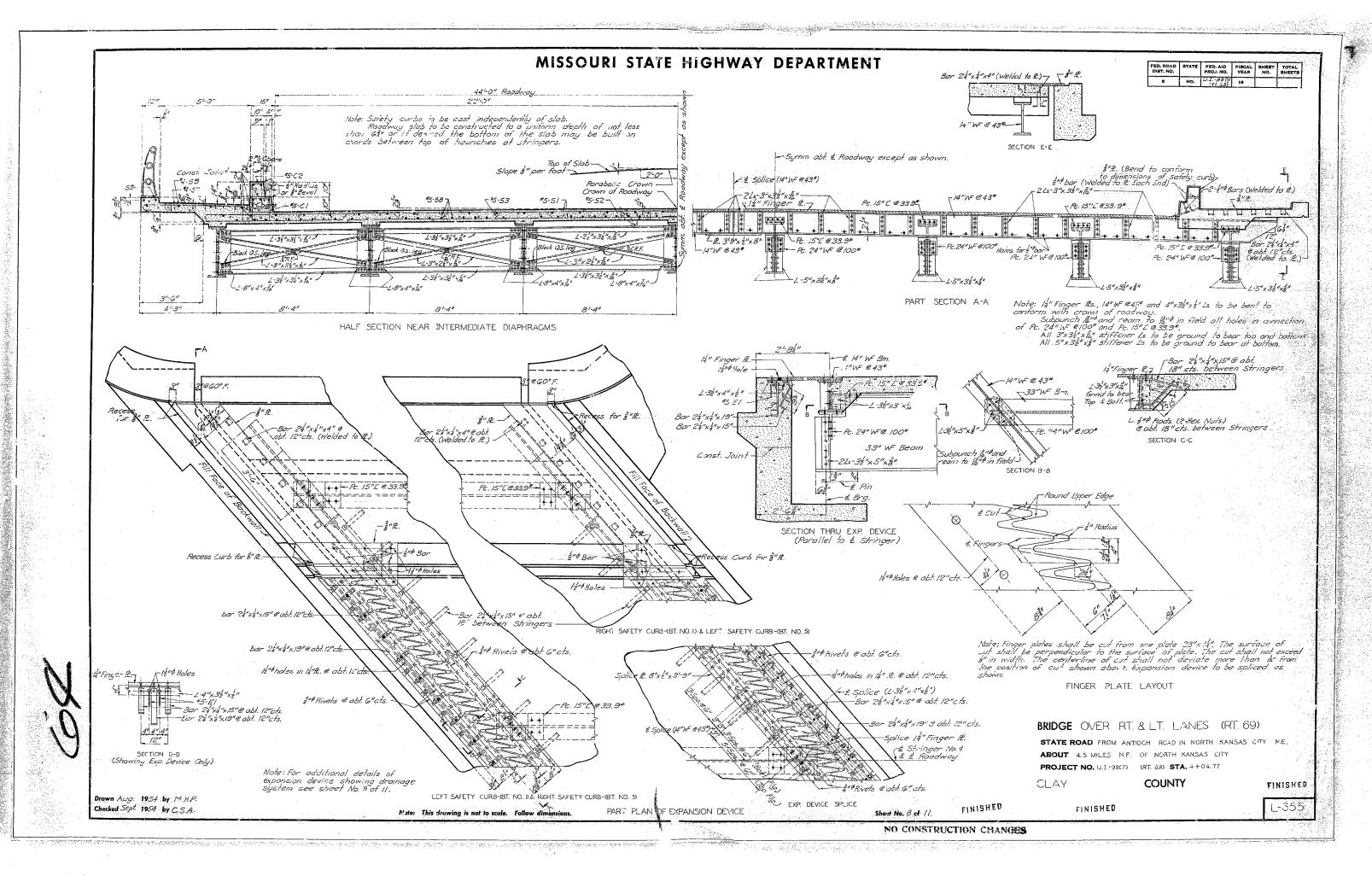


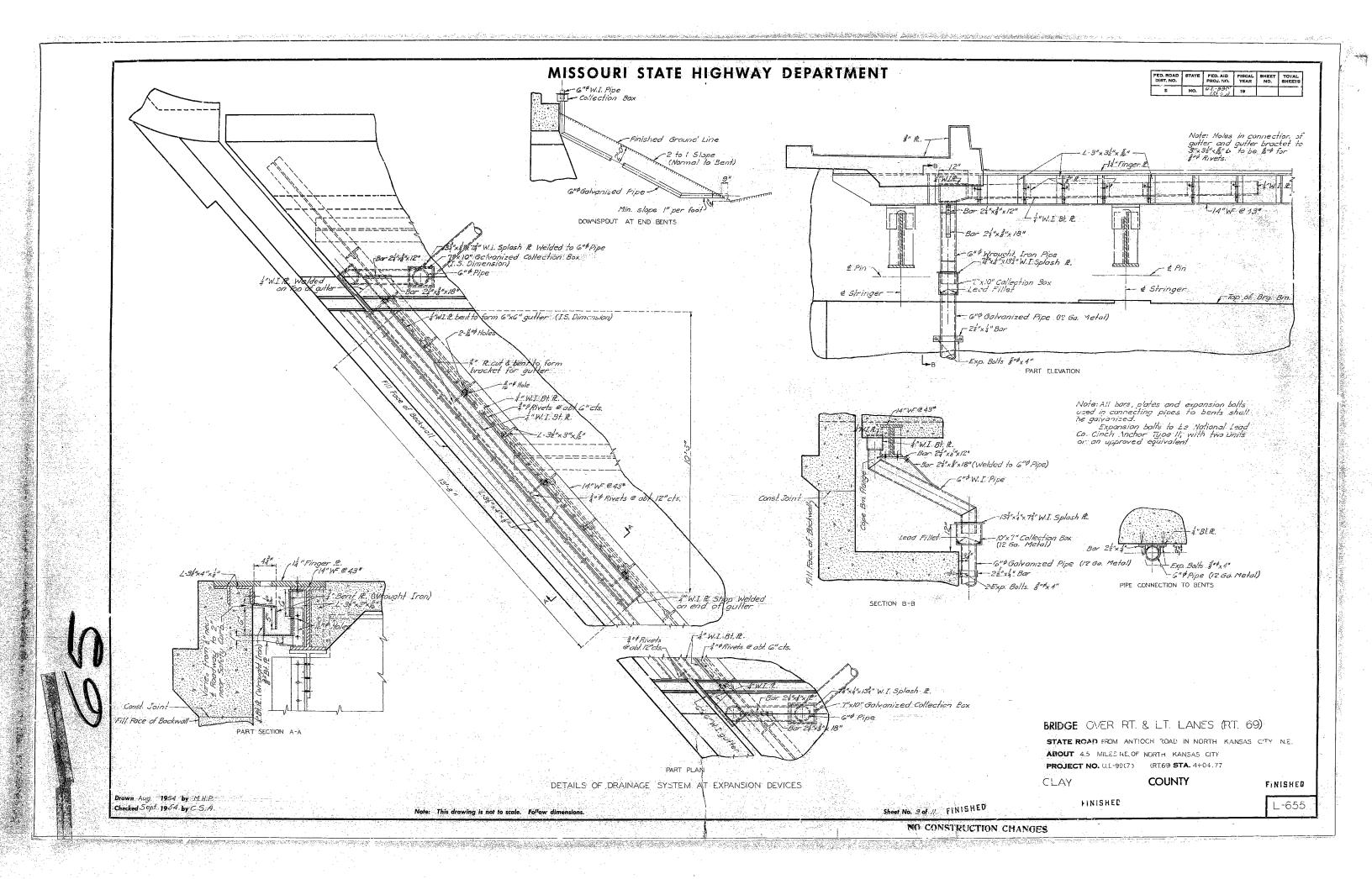


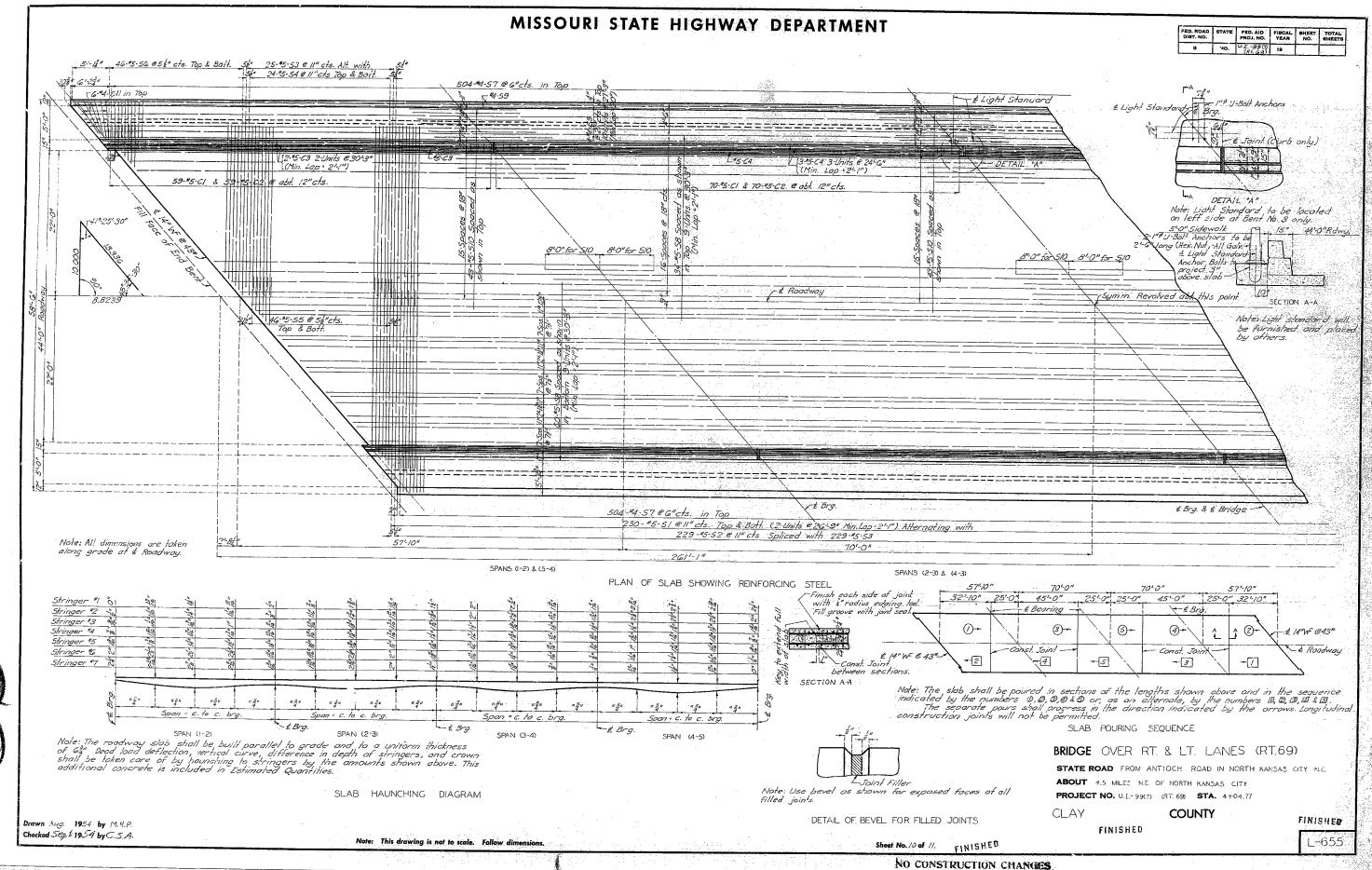


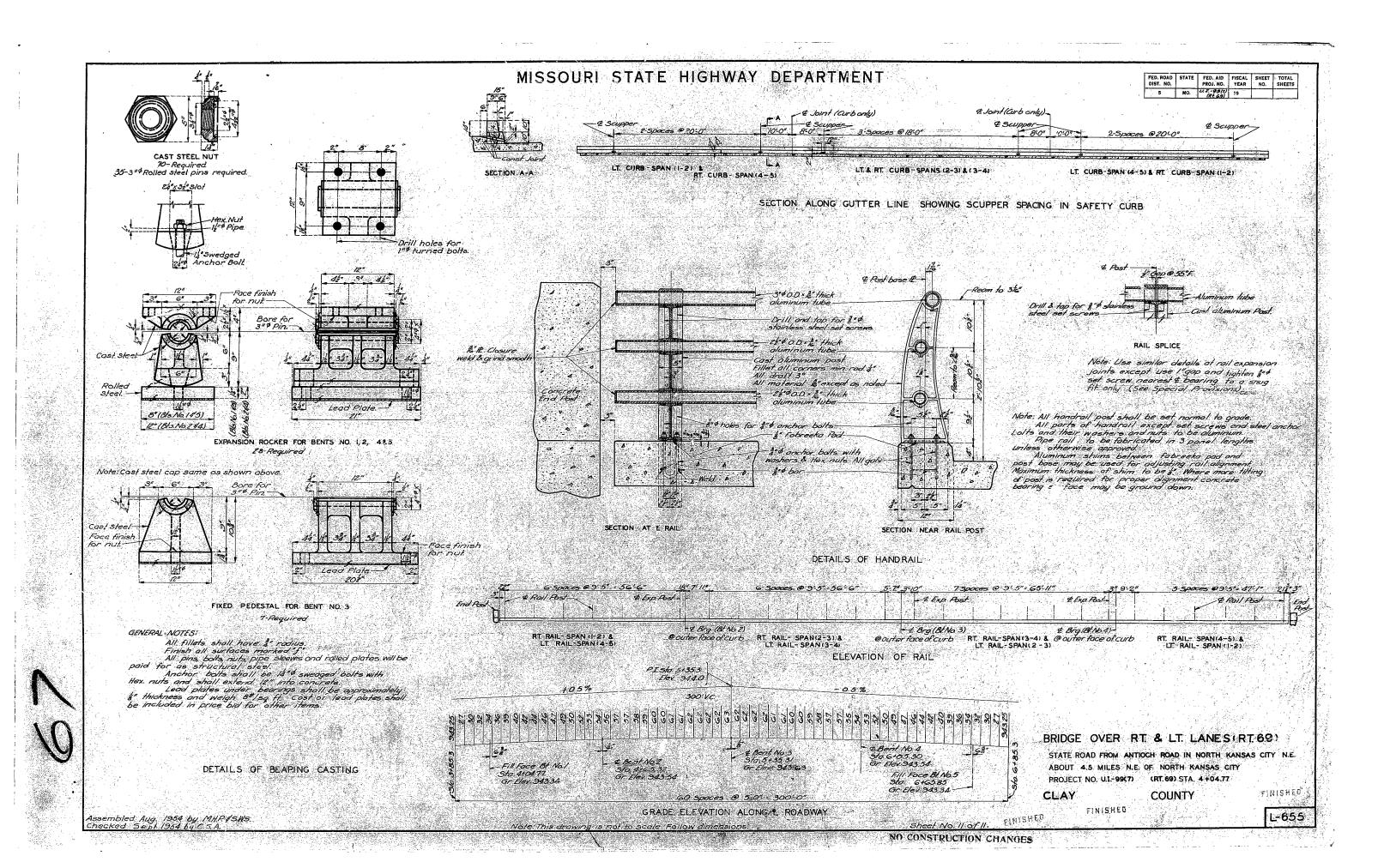


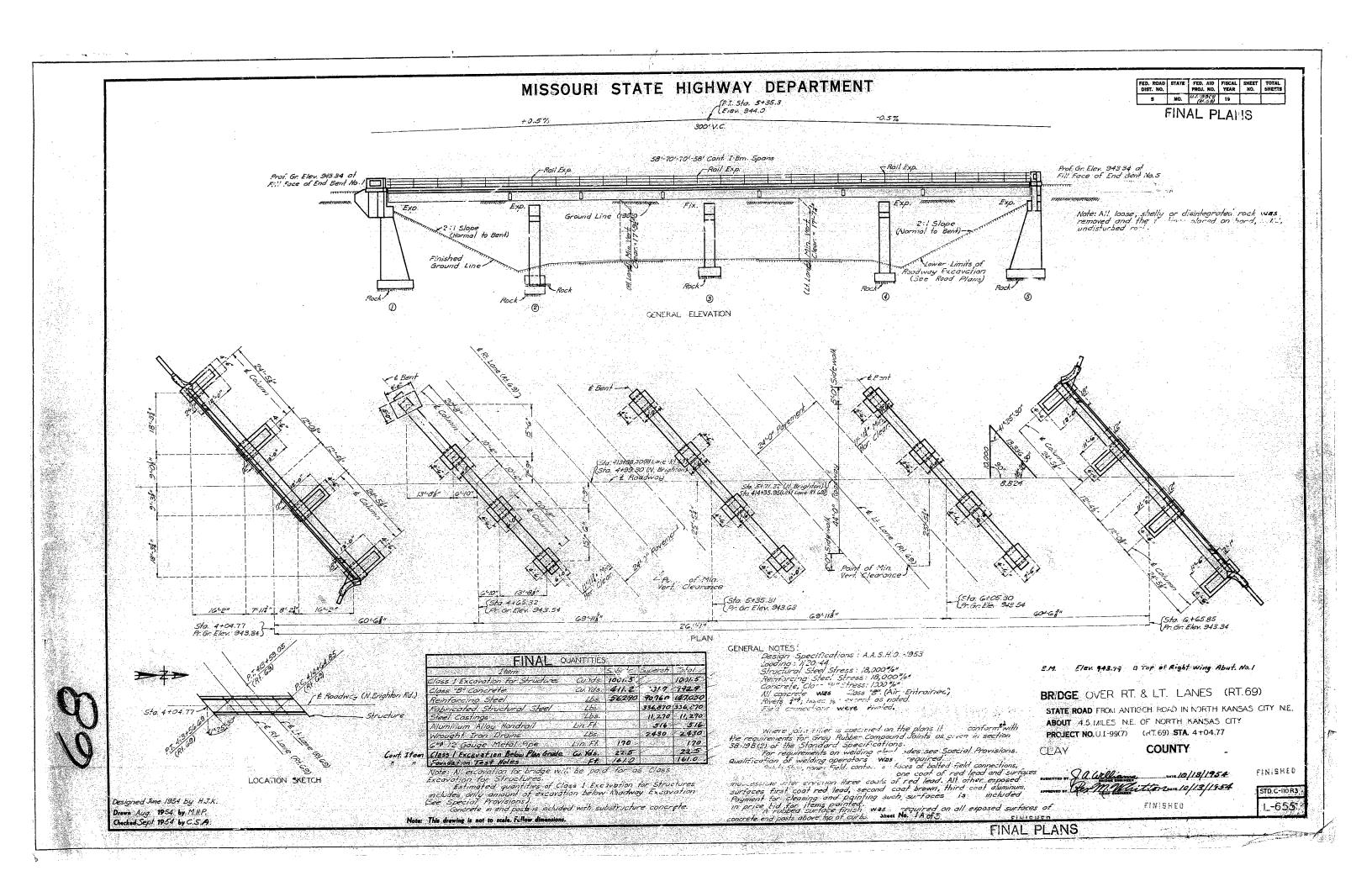


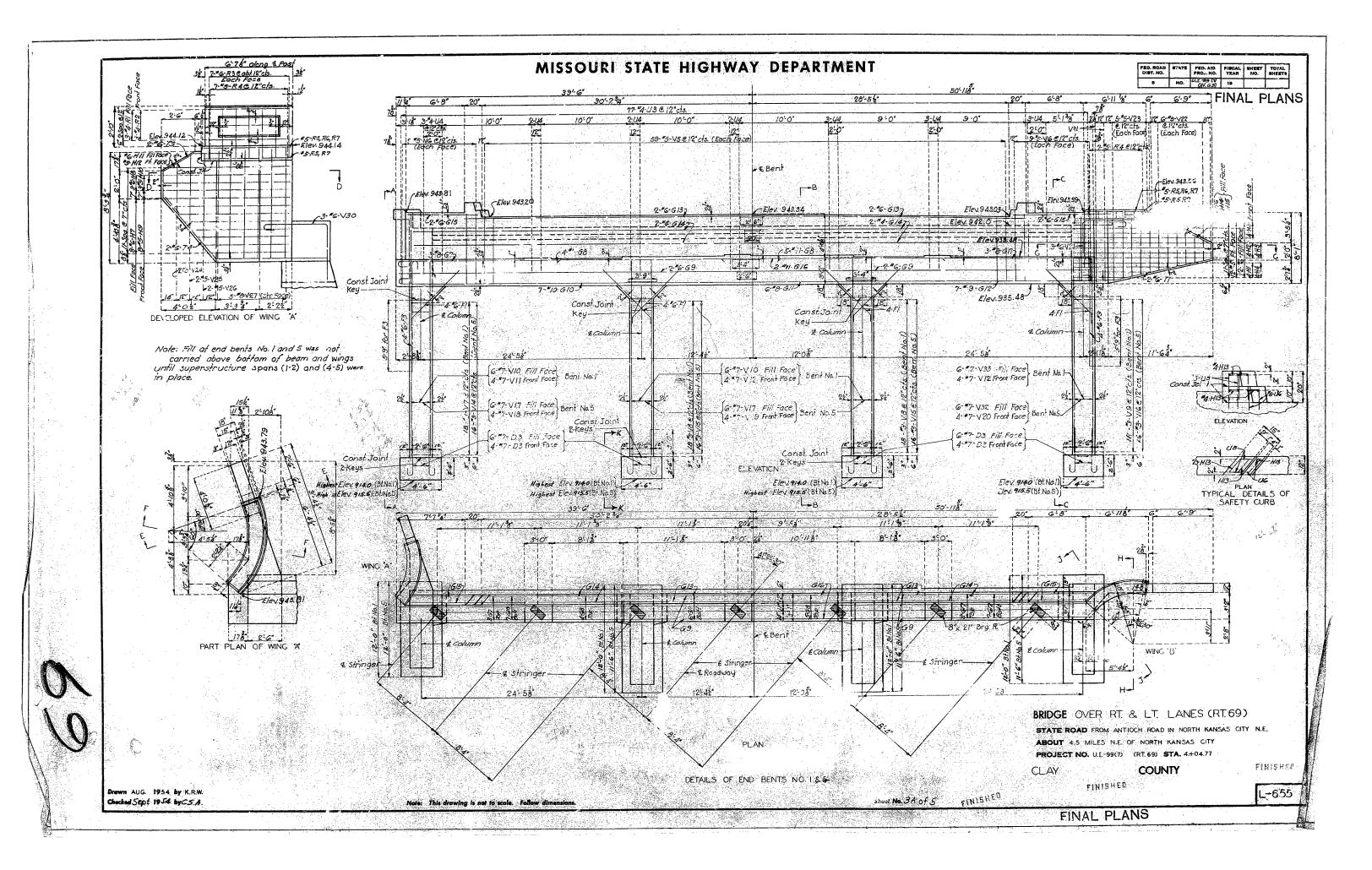


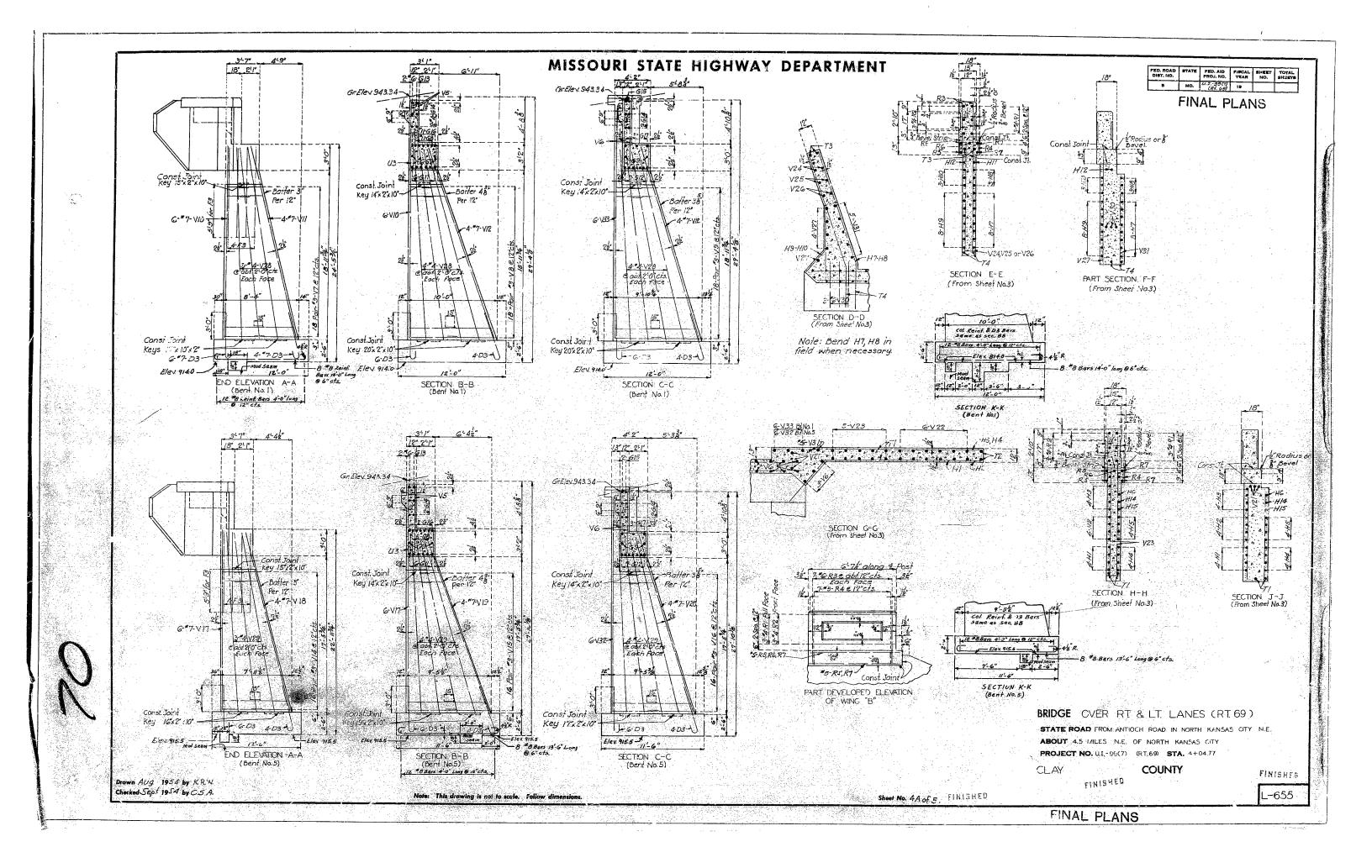


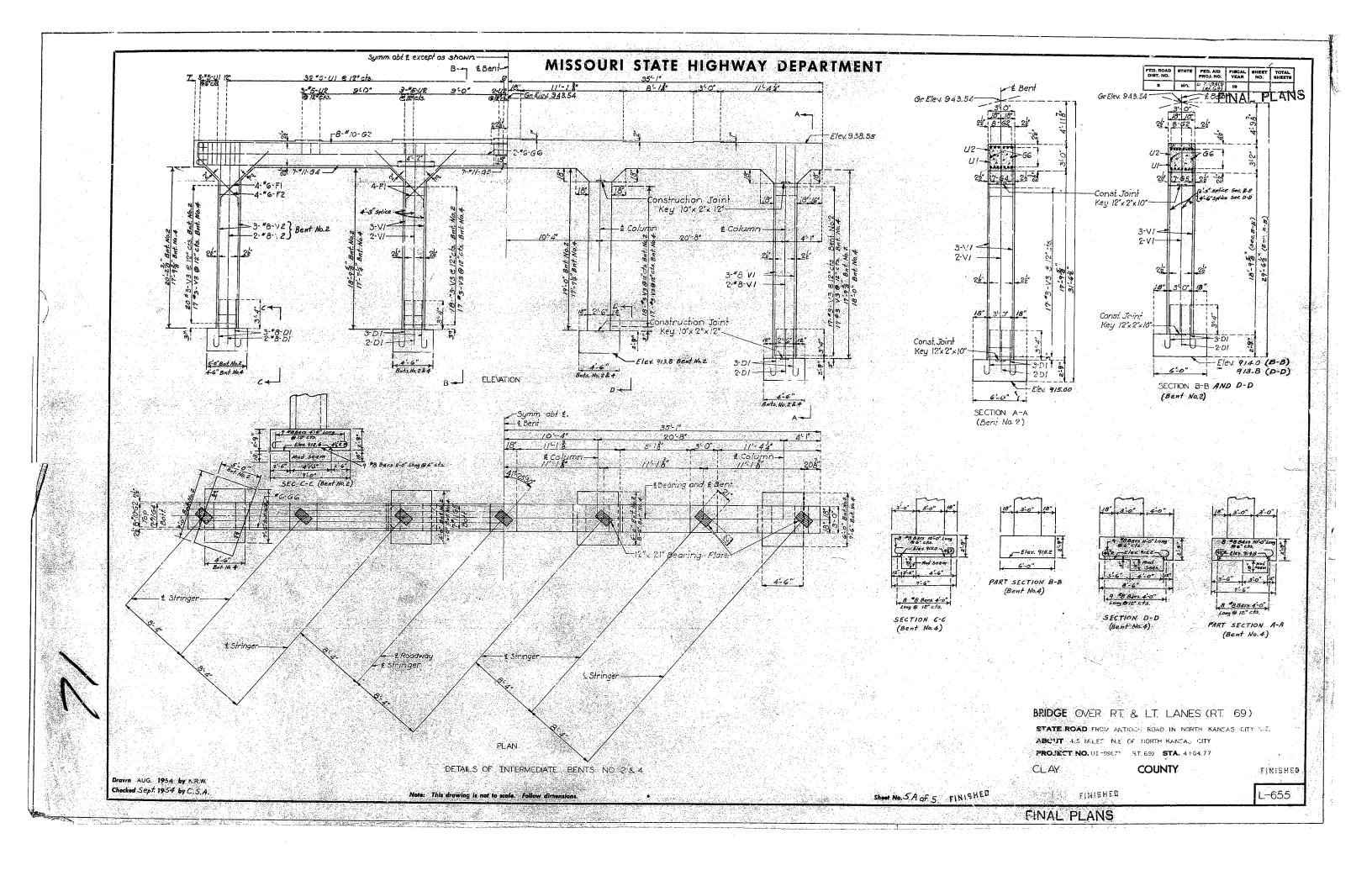


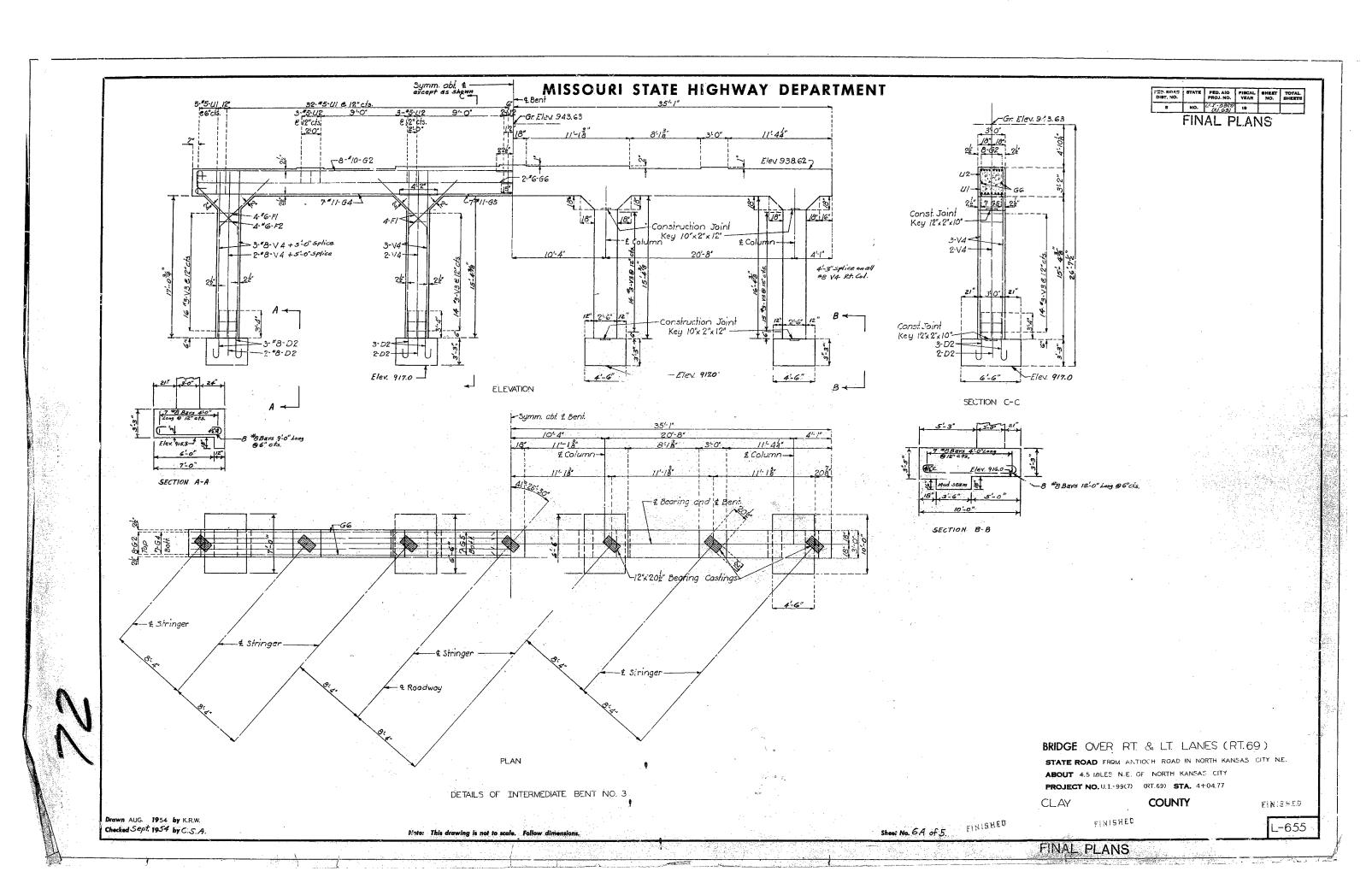


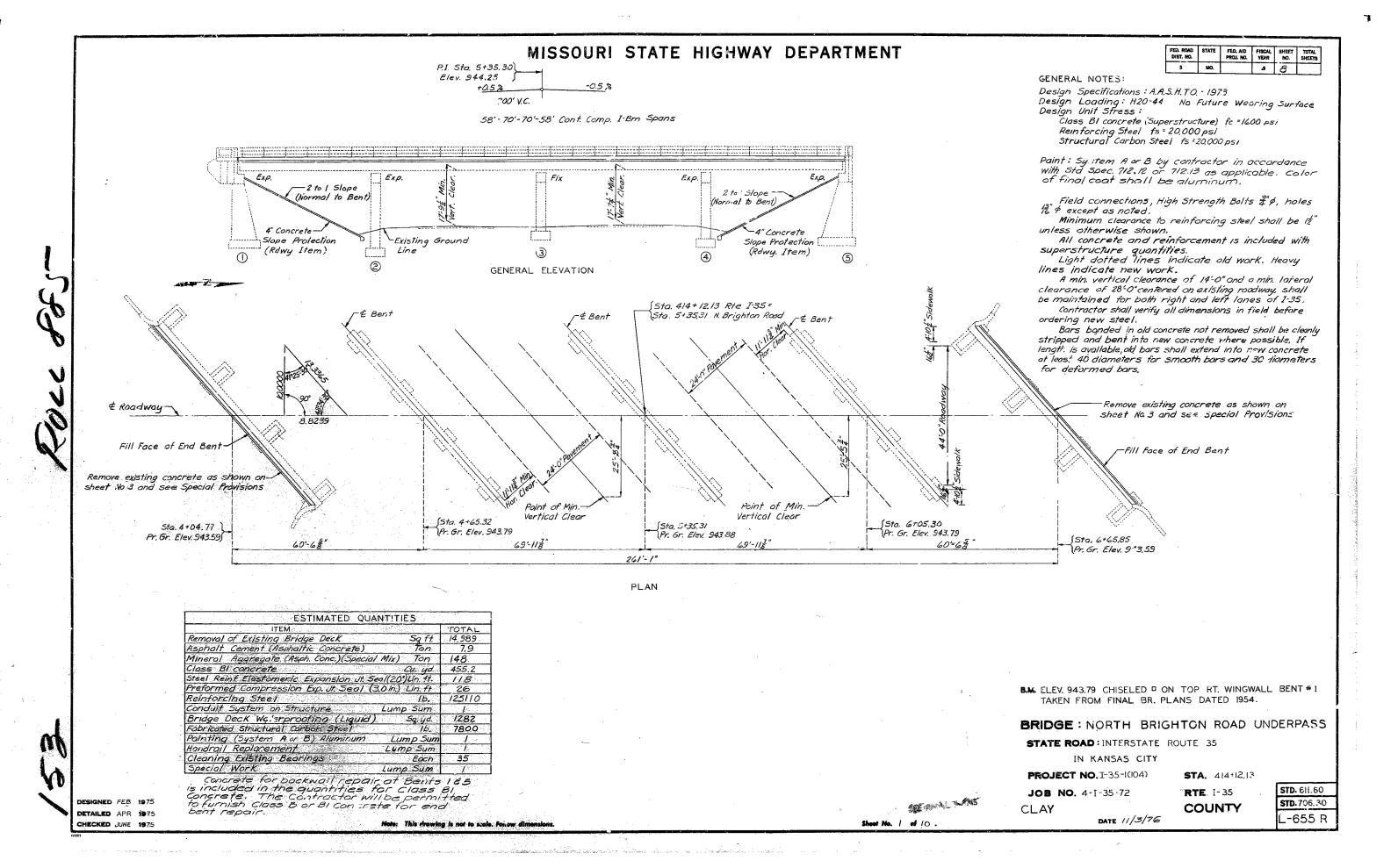


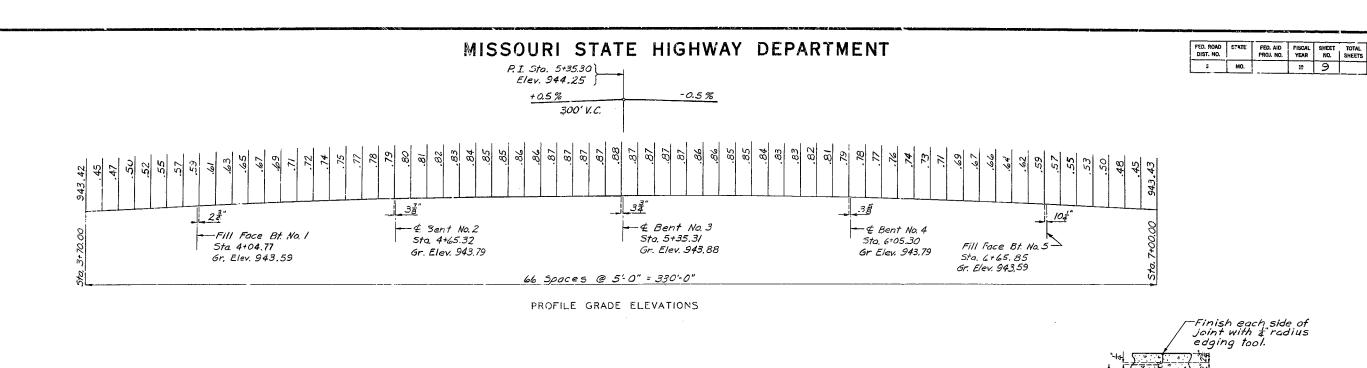


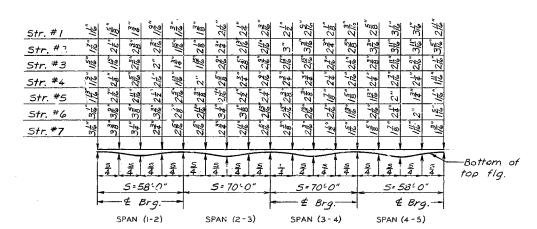




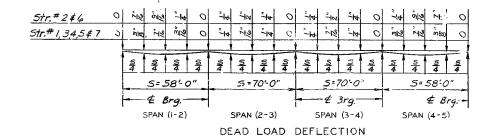




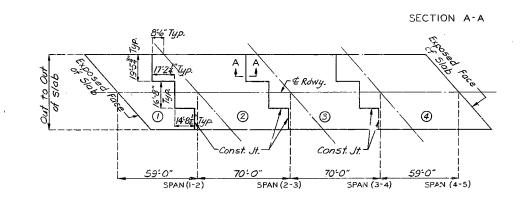








Note: 13% of dead load deflection due to weight of structural steel



Const. Joint

	SEQUENCE OF POURS				
		DIREC	TION		
BASIC	· 1	2	ξ	4	
SEQUENCE	END TO 2	1 TO 3	2 TO 4	3 TO END	
ALTERNATE "A"	1 + 2		3	4	
POURS	END	70 3	2 TO 4	3 TO END	
ALTERNATE "B"	1 1 2	1 - 2		+ 4	
POURS	END TO 3		2 TO END		
ALTERNATE "C"	1+2+3+4				
POURS		END T	O END		

Note: The contractor shall pour and satisfactorily finish the slab pours at a rate of not less than 50 cubic yards per hour unless he elects to use an approved retarder to retard the set of the concrete to 2.5 hours in which case he may reduce his pouring and finishing rate to not less than 31 cubic yards per hour.

SLAB POURING SEQUENCE

DETAILED APR 1975 CHECKED JUNE 1975

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

Sheet No. 2 of 10

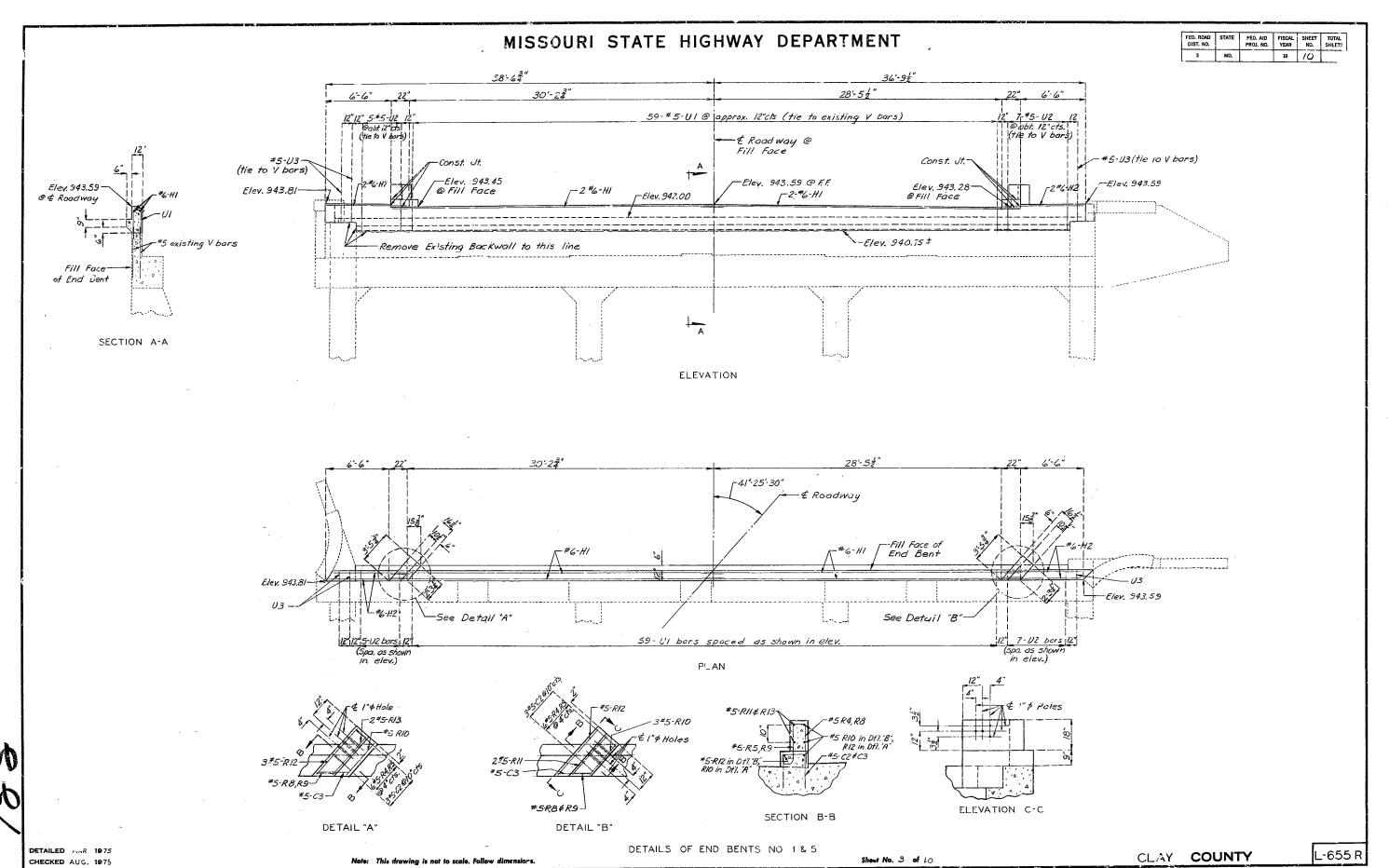
CLAY COUNTY

Key to extend full

width of slab.

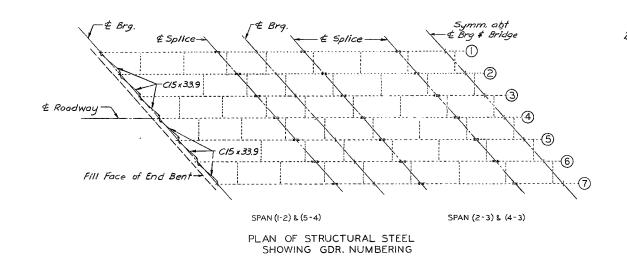
_-655R

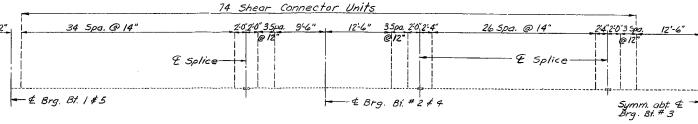
19 9



MISSOURI STATE HIGHWAY DEPARTMENT

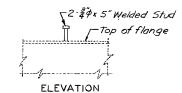
FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
5	MO.	,	19	11	

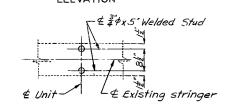




PLAN OF SHEAR CONNECTOR SPACING TYP. ALL GIRDERS

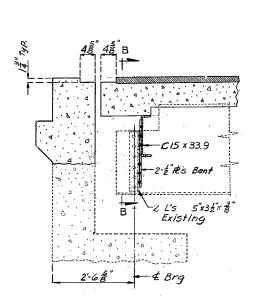
Note: Weight of 1,560 lbs for Shear Connectors is included in the weight of fabricated structural Carbon Steel.



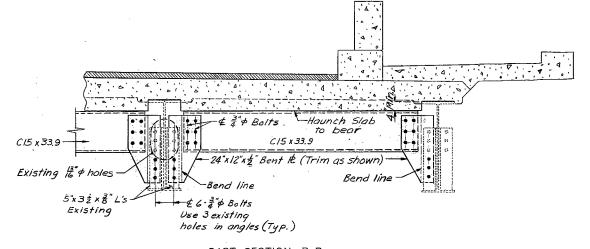


PLAN OF STUD CONN.

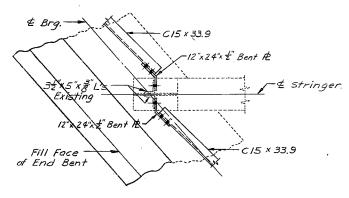
DETAIL OF SHEAR CONNECTORS



LONGITUDINAL SECTION NEAR END BENT



PART SECTION B-B SHOWING END DIAPHRAGM



PLAN OF END DIAPHRAGM CONNECTION PLATE

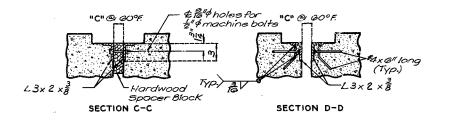
DETAILED MAR 1975 CHECKED JUNE 1975

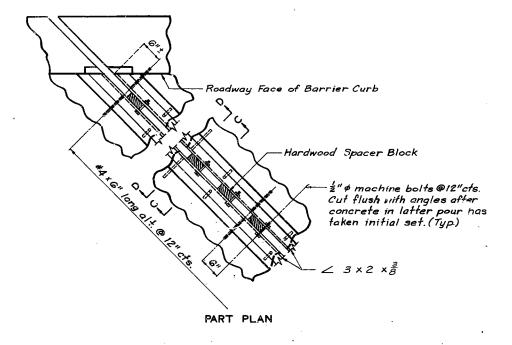
Note: This drawing is not to scale. Follow dimensions

Sheet No. 4 of 10

CLAY COUNTY

L-655 R





NOTES FOR ARMOR JOINT ANGLES:

ARMOR JOINT ANGLE FIELD SPLICES MADE BY AN EXPERIENCED WELDER ARE PERMITTED FOR SECTIONS OVER 50 FEET. THE ARMOR JOINT ANGLES SHALL BE BENT TO CONFORM TO CROWN AND GRADE OF ROADWAY.

NO. 4 BARS FOR ARMOR JOINT ANGLES SHALL BE STRUCTURAL GRADE.

APPROVED STUD WELDED ANCHORS OR DEFORMED BAR ANCHORS (ASTM A496) MAY BE USED IN LIEU OF NO. 4

PAYMENT FOR FURNISHING, PAINTING AND PLACING STRUCTURAL STEEL FOR ARMOR JOINT ANGLES SHALL BE INCLUDED IN UNIT PRICE BID FOR OTHER ITEMS.

ARMOR JOINT ANGLES SHOULD BE FIELD ADJUSTED WITH METAL SHIMS (1/8 x 2 x 3) PLACED BETWEEN ONE SIDE OF ANGLE AND HARDWOOD SPACER AT EACH BOLT, AS REQUIRED FOR TEMPERATURE CORRECTION.

DETAILS OF ARMOR JOINT ANGLES

TABLE OF VARIABLE DIMENSIONS						
TEMPERATURE °F	DIMENSION "A"	DIMENSION "B"	DIMENSION (MAXIMUM)			
110	7-5/8"	9-3/8"	10			
90	8"	9-3/4"	1-3/8"			
70	8-1/4"	10"	1-5/8"			
60	8-1/2"	10-1/4"	1 -7/8"			
50	8-5/8"	10-3/8"	2"			
40	8-3/4"	10-1/2"	2-1/8"			
30	9"	10-3/4"	2-3/8"			
10	9-1/4"	11"	2-5/8"			
-10	9-5/8"	11-3/8"	3"			

JOINT SEAL FOR 2" MOVEMENT.

NOTE: Plan dimensions are based on installation of 60°F. Expansion joint width shall be adjusted during installation for compliance with the above table. See Special Provisions.

NOTES	FOR	STEEL	REINFORCED	ELASTOMERIC	EXPANSION	JOINT SEAL:	

THE EXPANSION JOINT SHALL BE SET, ANCHORED, BONDED AND SEALED AS RECOM-MENDED BY THE MANUFACTURER AND AS SET FORTH IN THE SPECIAL PROVISIONS. ANCHORS SHALL BE CONE EXPANSION TYPE. PAYMENT FOR FURNISHING AND INSTALLING THE EXPANSION JOINT, INCLUDING ANCHOR BOLT ASSEMBLY, SHALL BE MADE UNDER UNIT PRICE BID PER LINEAL FOOT OF JOINT.

ACCURATELY LOCATE THE HOLE SPACING FOR 1/2" STUD ANCHORS (CONE EXP-ANSION TYPE), ON BOTH SIDES OF THE EXPANSION VOID AT A DISTANCE OF 3-5/16" FROM THE EDGE OF THE CONCRETE. LAYOUT TRANSVERSE HOLE SPACING IN ACCORDANCE WITH THE SHOP DPAWINGS AND THE TYPICAL LAYOUT AS SHOWN ON PLANS. INSURE THAT THE HOLES ARE DIRECTLY OPPOSITE EACH OTHER (SQUARE). DRILL HOLES 2-1/4" DEEP FOR 1/2" STUD ANCHORS.

HOLES SHALL NOT BE DRILLED NOR ANCHOR BOLTS SET UNTIL THE CONCRETE IS AT

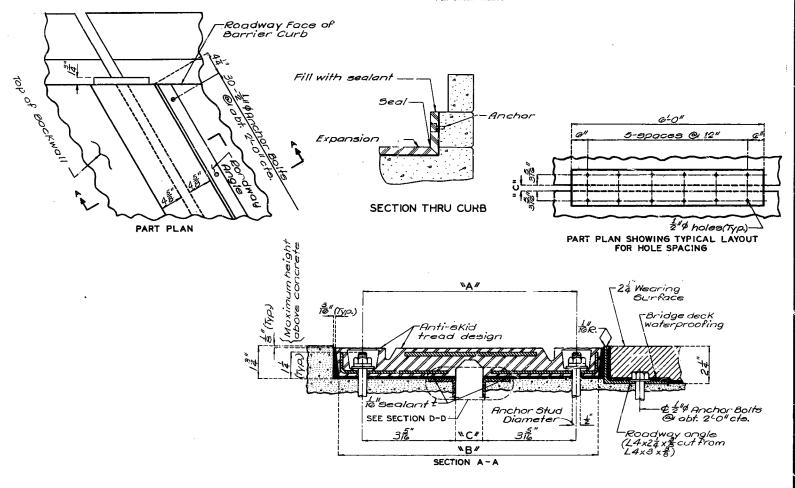
TIGHTEN ALL NUTS TO 40 FOOT POUNDS. RETIGHTEN TO 40 FOOT POUNDS A MINIMUM OF 30 MINUTES AFTER INITIAL TIGHTENING.

WIRE BRUSH BOLT CAVITY AND COAT WITH SEALANT. FILL CAVITY WITH SEALANT TO A DEPTH OF 1/2" AND FUSH PLUG DOWN TO SNAP LOCK. SCRAPE OFF ALL EXCESS SEALANT.

ROADWAY ANGLE NOTES:

ROADWAY ANGLE FIELD SPLICES MADE BY AN EXPERIENCED WELDER ARE PERMITT_D FOR SECTIONS OVER 50 FEET. THE ROADWAY ANGLES
SHALL BE BENT TO CONFORM TO CROWN AND GRADE OF ROADWAY. PAYMENT FOR FURNISHING, PAINTING AND PLACING STRUCTURAL

STEEL FOR ROADWAY ANGLES SHALL BE INCLUDED IN UNIT PRICE BID FOR OTHER ITEMS.



DETAILS OF STEEL REINFORCED ELASTOMERIC EXPANSION JOINT SEAL AT BENTS NO. 1 & 5

DETAILED APR 1975 CHECKED JUNE 1975

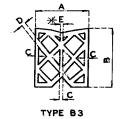
Note: This drawing is not to scale. Follow dimensions

CLAY COUNTY

L-655 R

Sheet No. 5 of 10

TYPE AT



*Optional E or C

MISSOURI STATE HIGHWAY DEPARTME 1) @ @O°F Preformed Joint Seal

INT	FEG. ROND DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHE
NOTES:	5	MO,		19	/3

HEET TOTAL NO. SHEETS Structural Steel for Expansion Device shall be fabricated in one section except that when the length is over 50 feet, splicing is permissible. The expansion device shall be bent to conform to crown and grade of roadway. No. 5 bars for expansion device shall be structural grade. Approved stud welded anchors or deformed bar anchors (ASTM A496) may be used in lieu of #5 bars shown.

Preformed Compression Joint Seal shall be installed before curbs are poured.

are poured.

918" Curb olate shall be installed with curb.

Plan dimensions are based on installation at 60°F. Expansion joint width shall be adjusted during installation for compliance with tables.

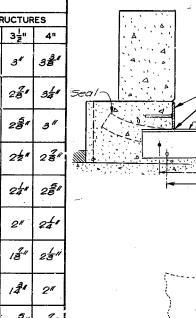
See Special Provisions for the requirements of Compression Joint Seal.

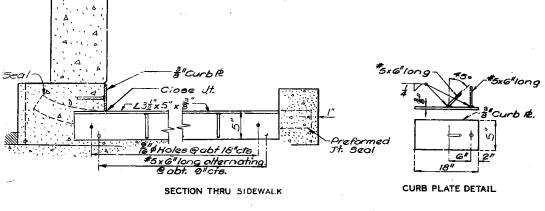
TABLE OF TRANSVERSE SEAL TOLERANCES (INCHES)							
TYPE	"A"	"B"	"C"	"D"	"E"(B3 ONLY)		
	(WIDTH)	(HEIGHT)	(SHELL)	(WEBS)	(SMALLWEBS)		
AI OR B3	2.500	2.750	0.187	0.093	0.062		
	+.250	+.125	+.046	+.031	+.031		
	000	125	015	015	031		
AI OR B3	3.000	3.40G	0.187	0.125	0.075		
	+.250	+.187	+.046	1.046	+.046		
	000	187	015	015	031		
AI OR B3	3.500	3.500	0.187	0.125	0.097		
	+, 250	+.187	+.046	+.046	+.046		
	000	187	015	015	031		
AI OR B3	4.000 +.312 000	4.718 +,250 -,250	Al B3 0.250 0.235 +,046 +.046 -,031 -031	0.187 +.046 015	0.111 +.CAG - 031		

						_
TABLE	OF TRAN	SVERSE S	SEALS &	ARMOR	ANGLES]
7. 00	GROOVE SIZE SEAL SIZE				ANGLE	1
TyPE	0	②	WIDTH	HEIGHT	SIZE	
AI OR 83	1 5 "	4"	22"	24	5 x 3 x 3	
AI OR B3	18"	4"	3"	3 13 "	5 x 3 2 x 8]-
AI OR B3	24"	5 8 "	3/2"	32"	6x32x8	
AI OR B3	2.5"	රේදී ⁴	4.11	432"	8 x 4 x 16	

(Use for left \$ -<right sidewalk @bents #1 \$5

		SEAL WIDTHS								
TEMP (°F.)	CONC	RETE	STRUCT	URES	STEEL STRUCTURES					
•	2 <u>!</u> "	3"	3 2 "	4"	2 = "	3"	3 <u>‡</u> "	4		
-100	_	-	_	-	28	2 5 #	3"	32		
0°	2 8 "	28"	3"	3हें व	2"	21/2"	28	32		
+20°	ið"	24"	23/1	3हं॥	18"	244	251	3		
+40°	1311	28"	25"	28"	1311	28"	22"	2 8		
+60°	18	18"	24"	281	181	18711	24"	28		
÷80°	18"	14	2*	24"	1811	1411	2"	24		
+100°	14-11	121	1311	2"	14"	13"	18	2		
+:10°	181	IB"	। <u>ङ</u> ्ग	121	141	121	141	2		
+1209	· -	_	-	-	1811	1811	1811	ıई		





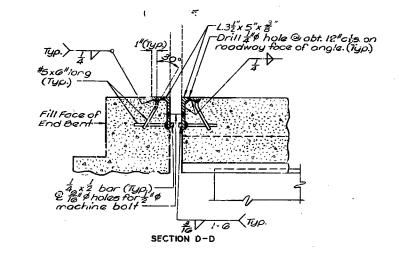
Recess in Curb
I de 10°
Gutter Line
L32 × 5" x3" -
Hardwood 5x6'iorg@ specer binks act 18'cts.
Spaces B. A. S.
2"øMachine Solts @ abt. 18"cts, Cut flush with angles
ofter concrete / " " Es outh # (See Detail)
in latter pour has taken initial set Gutter Line
Recess curb to permit
free movement of A Brush curb \$
Porapet
2-Layers of 55 # - Roofing Felt.

PLAN

	TABLE OF I	ONGITUDIN	IAL SEALS	
TYPE	GROOVE SIZ	E AT 60°F.	SEAL	SIZE
ITPE	WIDTH	HEIGHT	WIDTH	HEIGHT,
AI OR B3	116"	2 3 "	2"	216"

Armor angles for longitudinal seals will not be used unless specified.

TABL	E OF LONG	ITUDINAL SE	AL TOLERA	NCES	
TYPE	"A"	"B"	"C"	"D"	
	(WIDTH)	(HEIGHT)	(SHELL)	(WEBS)	
AI OR B3	2.000	2.0625	0. /25	0.094	
	+.187	+.125	+.030	+.030	
	000	125	0/5	015	



DETAILS OF EXPANSION DEVICE AT SIDEWALK

DETAILED APR 1975

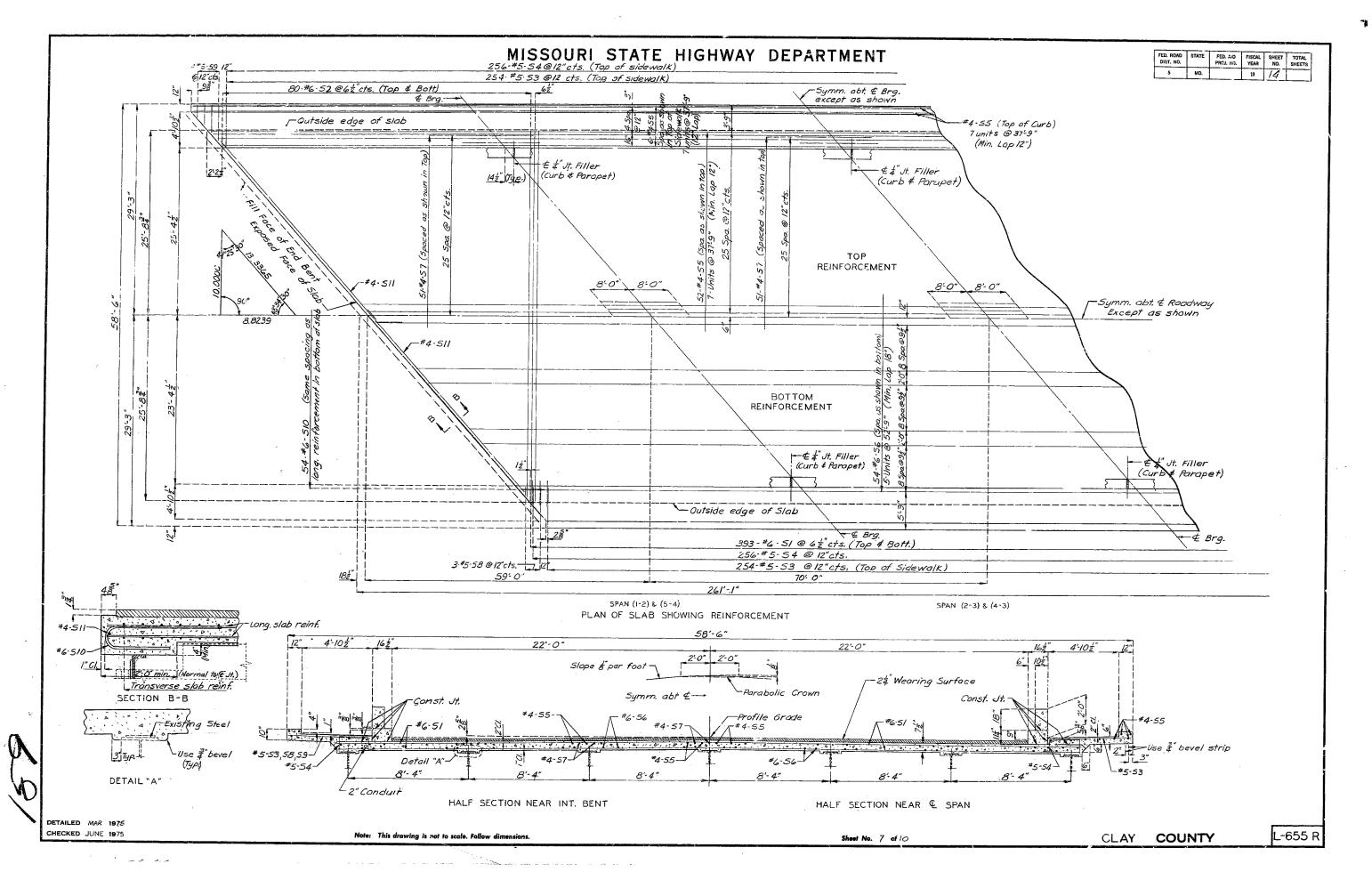
Note: This drawing is not to scale. Follow dimensions

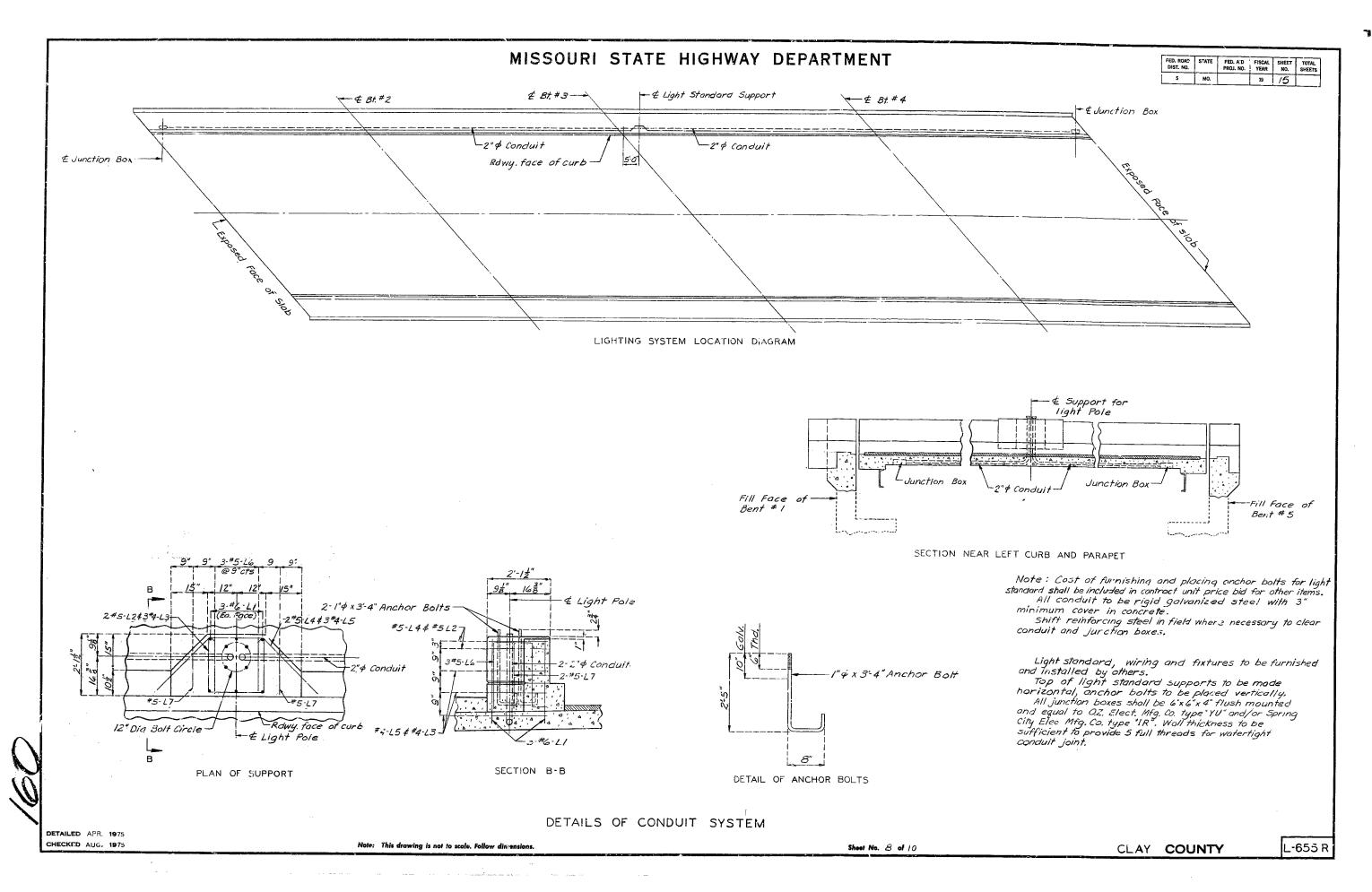
Sheet No. 6 of 10 .

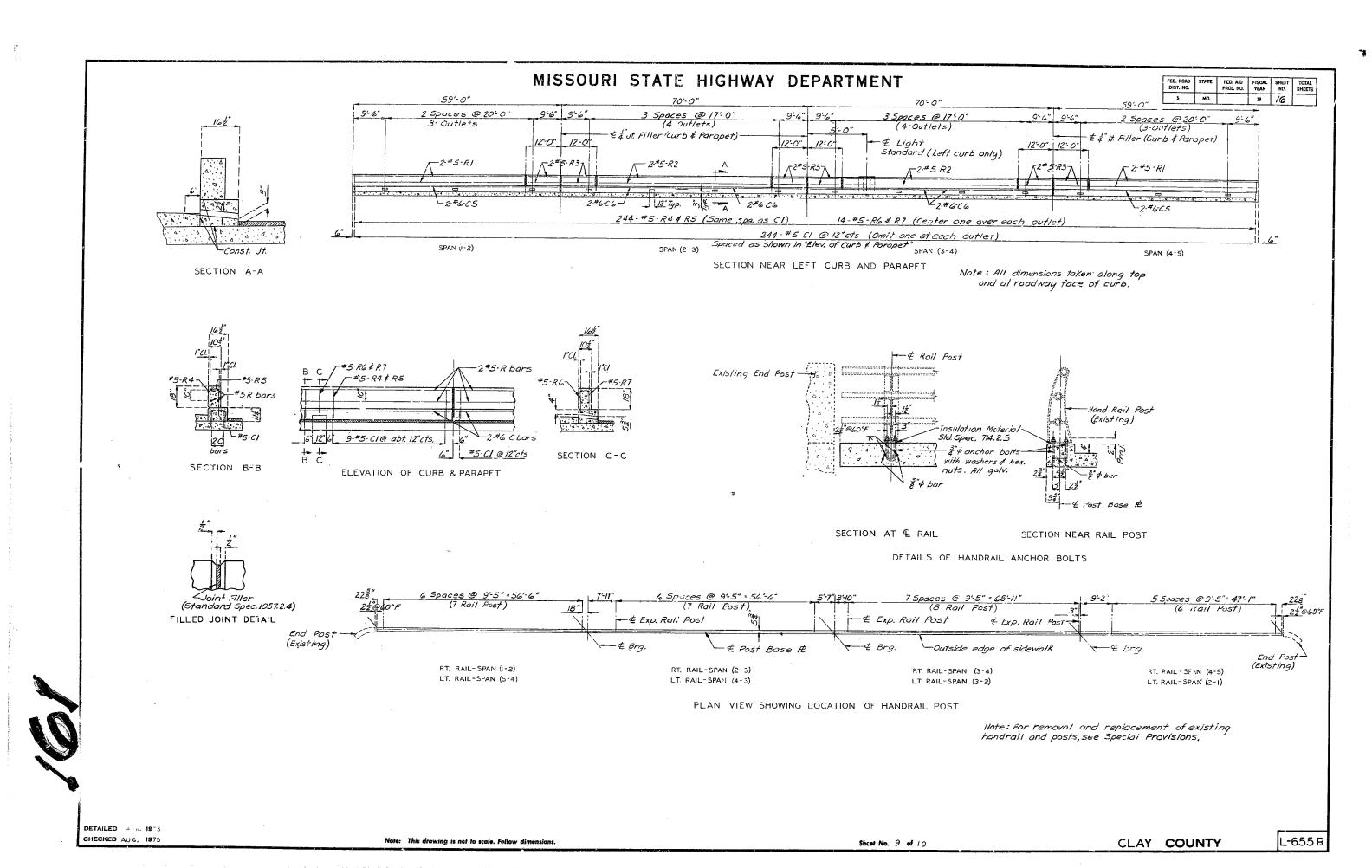
CLAY COUNTY L-655 R

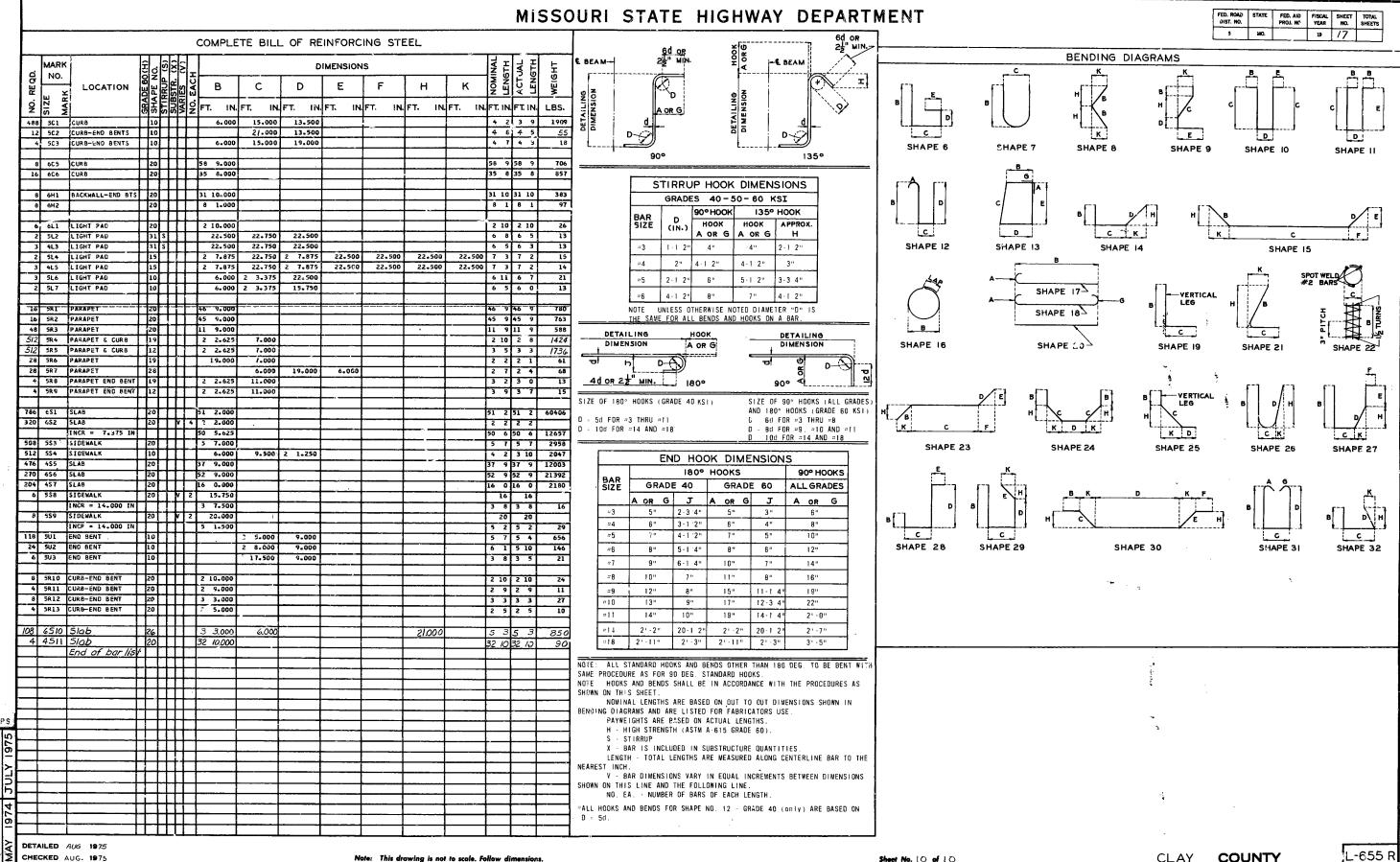


CHECKED JUNE 1975





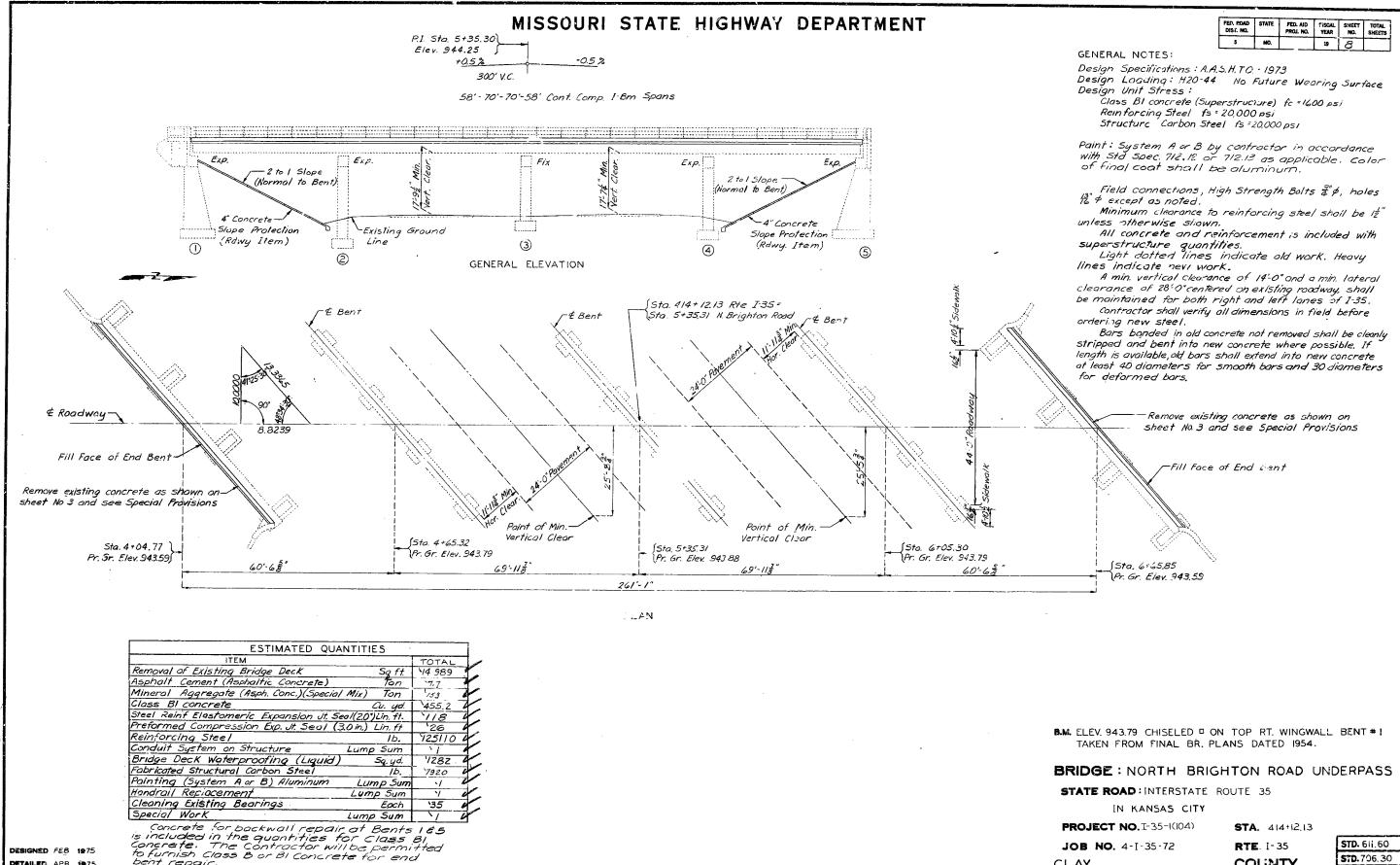




Note: This drawing is not to scale. Follow dimensions

Sheet No. 10 of 10

CLAY COUNTY L-655 F



DESIGNED FEB 1975

DETAILED APR 1975

CHECKEE JUNE 1875

Note: This drawing is not to scale. Follow dimensions

Sheet No. 1A of 10 .

JOB NO. 4-I-35-72 RTE. I-35

COUNTY

STD. 611.60 **STD.** 706. 30 .-655 R

DATE 11/3/76

CLAY

6" to 12" 5' recoating area from end of

girders at End Bents No. 1 & 5

System G Surface Preparation Inorganic Zinc Primer Limit

·Intermediate Field Coat Limit `and Final Field Coat Limit

Mark Huck PE-22266 11-10-2014 MΩ SHEET NO

BR 1 CLAY J4I3028 CONTRACT ID.

35

DISTRICT

PROJECT NO.

BRIDGE NO L06552

tificate (: 000165

Remove existing backwall

Existing Coating Limit

Mechanical cleaning in accordance to Sec 1081.5.3.2.1 (Sweep Blast Permitted to SSPC-SP2 or SSPC-SP3)

as necessary to install strip seal joint.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION U.I.P. AND REDECK (58'-70'-70'-58') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS

Clean and reuse existing v-bars and u-bars in backwall

DETAILS OF CONCRETE REMOVAL @ END BENTS

cut off one inch below concrete removal surface and the

The cost of concrete removal as shown will be considered completely covered by the contract unit price for Removal of Existing Bridge Decks. Vertical wingwall reinforcement to be

resulting holes shall be filled with a qualified special mortar. Clean and reuse existing v-bars and u-bars in backwall.

Remove existina winas to top of existing backwall (Typ.)

2002 - AASHTO LFD (17th Edition) Standard Specifications

HS20-44 (New Construction)
35#/sq. ft. Future Wearing Surface (New Construction)
Earth - 120 #/Cu. Ft., Equivalent Fluid Pressure 45#/Cu. Ft.
Fatigue Stress - Case III

Design Unit Stresses:

Seismic Performance Category A

esign Unit Stresses:

Class B-1 Concrete (Safety Barrier Curb) f'c = 4,000 psi
Class B-2 Concrete (End Bents & Superstructure, except

Safety Barrier Curb) f'c = 4,000 psi
f'c = 4,000 psi f'c = 4,000 psiSafety Barrier Curb)
Reinforcing Steel (Grade 60)

fy = 60,000 psi

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

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

Protective coating for concrete bents and piers (Epoxy) shall be applied as shown on the bridge plans and in accordance with Sec 711.

Bars bonded in old concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, old bars shall extend into new concrete at least 40 diameters for smooth bars and 30 diameters for deformed bars, unless otherwise noted.

Roadway surfacing adjacent to bridge ends shall match new bridge slab surface (Roadway Item).

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

Contractor shall verify all dimensions in field before ordering

The area exposed by the removal of concrete and not covered with new concrete shall be coated with an approved qualified special mortar in accordance with Sec 704.

Traffic Handling:

Structure to be closed during construction.

Estimated Quantities							
I+em							
⊀Removal of Existing Bridge Decks sq. foot							
(72 in.) Pedestrian Fence (Structures)	linear foot	544					
Slab on Steel	sq. yard	1,697					
*Safety Barrier Curb	linear foot	526					
Substructure Repair (Formed)	sq. foot	560					
Conduit System on Structure	lump sum	1					
Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1					
Surface Preparation for Recoating Structural Steel	sq. foot	1,300					
Field Application of Inorganic Zinc Primer	sq. foot	1,300					
Intermediate Field Coat (System G)	sq. foot	1,300					
Finish Field Coat (System G)	sq. foot	1,300					
Strip Seal Expansion Joint System	linear foot	155					
Slab Drain	each	8					

Estimated Quantities for Slab on Steel	
I+em	Total
Class B-2 Concrete cu. yard	404.6
Reinforcing Steel (Epoxy Coated) pound	112,565

The table of Estimated Quantities for Slab on Steel represents the quantities used by the State in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard longitudinally from end of slab to end of slab and transversely from out to out of bridge slab (or with the horizontal dimensions as shown on the plan of slab). Payment for stay-in-place forms, conventional forms, all concrete and coated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for an adjustment in the contract unit price.

Method of forming the slab shall be in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

Slab shall be cast-in-place with conventional forming or stay-in-place corrugated steel forms. Precast prestressed panels will not be permitted.

For optional Stay-In-Place Form Details, see Sheet No. 7.

DETAILED: NOV 2014 CHECKED: NOV 2014

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

shall be in accordance with Sec 1081 for "Recoating of Structural Steel (System G, H or I)". The cost of surface covered by the contract unit price for preparation will be considered completely covered by the other items. contract unit price per sq. foot for "Surface Preparation for Recoating Structural Steel". All reinforcement in the End Bents is included in the Estimated Quantities for Slab on Steel. Prime Coat: The cost of the prime coat will be considered completely covered by the contract unit price per sq. foot for "Field Application of Inorganic Zinc Primer". Tint of the prime coat for System G shall be similar to the color of the field

Sheet No. 1 of 14

Cost of any required excavation for bridge will be considered completely

All concrete in the End Bents is included in the Estimated Quantities for Slab on Steel.

* Safety barrier curb shall be cast-in-place option or slip-form

** Includes the cantilever sidewalks.

**** Measured from outside edge of sidewalk to outside edge of sidewalk along the centerline of ioint.

REPAIRS TO BRIDGE: NORTH BRIGHTON OVER I-35

STATE ROAD FROM RTE. I-29 TO RTE. I-435 ABOUT 1 MILE N. OF RTF. 269 STA. 414+12.13 (Match Existing)

Field Coat: The color of the field coat shall be Gray (Federal Standard #26373). The cost of the intermediate field

coat will be considered completely covered by the contract unit price per sq. foot for "Intermediate Field Coat (System G)". The

Sec 1081.4.5 shall be modified such that the word "RECOATED" is replaced by the word "RECOATED - SYSTEM G - EXPANSION AREAS

cost of the finish field coat will be considered completely covered by the contract unit price per sq. foot for "Finish

PART ELEVATION SHOWING LIMITS OF PAINT OVERLAP

(Vertical or horizontal paint limit, Horizontal limit shown)

Protective Coating: System G in accordance with Sec 1081.

Coating Limits: All existing structural steel within 5 feet from

Surface Preparation: Surface preparation of the existing steel

Structural Steel Protective Coatings

coat to be used.

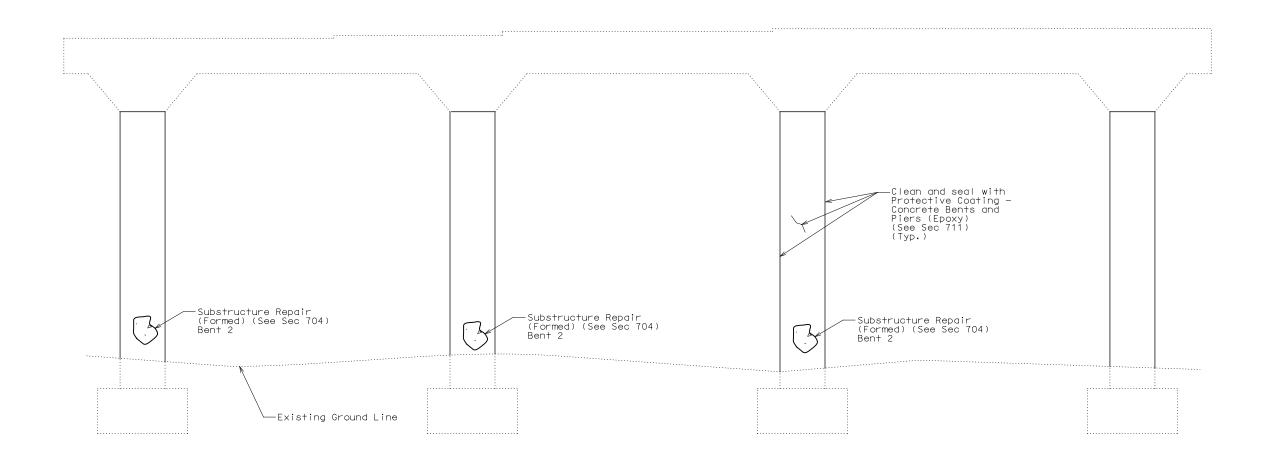
Field Coat (System G)".

(Existing structural steel near End Bents):

end of girders at End Bents No. 1 & 5.

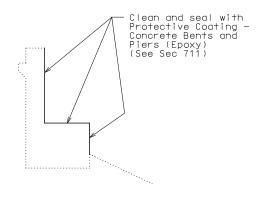
STD. 706.35 STD. 901.00

STD. 617.10



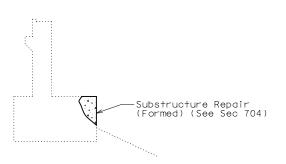
TYPICAL ELEVATION OF INTERMEDIATE BENTS NO. 2, 3, & 4. SHOWING SUBSTRUCTURE REPAIR AND PROTECTIVE COATING

(Looking North)



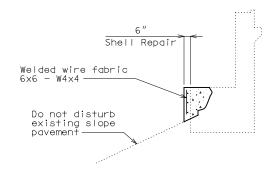
TYPICAL SECTION THRU END BENTS NO. 1 & 5 SHOWING PROTECTIVE COATING

(End Bent No. 1 shown, End Bent No. 5 similar)



TYPICAL SECTION THRU END BENT NO. 5 SHOWING SUBSTRUCTURE REPAIR

Note: 6" shell repair and wire fabric will be considered completely covered by the contract unit price for Substructure Repair (Formed).



TYPICAL SECTION THRU END BENT NO. 1 SHOWING SUBSTRUCTURE REPAIR



Mark Huck PE-22266

11-10-2014 ROUTE 35 MO DISTRICT SHEET NO. BR 2

CLAY JOB NO. J4I3028 CONTRACT ID.

PROJECT NO.

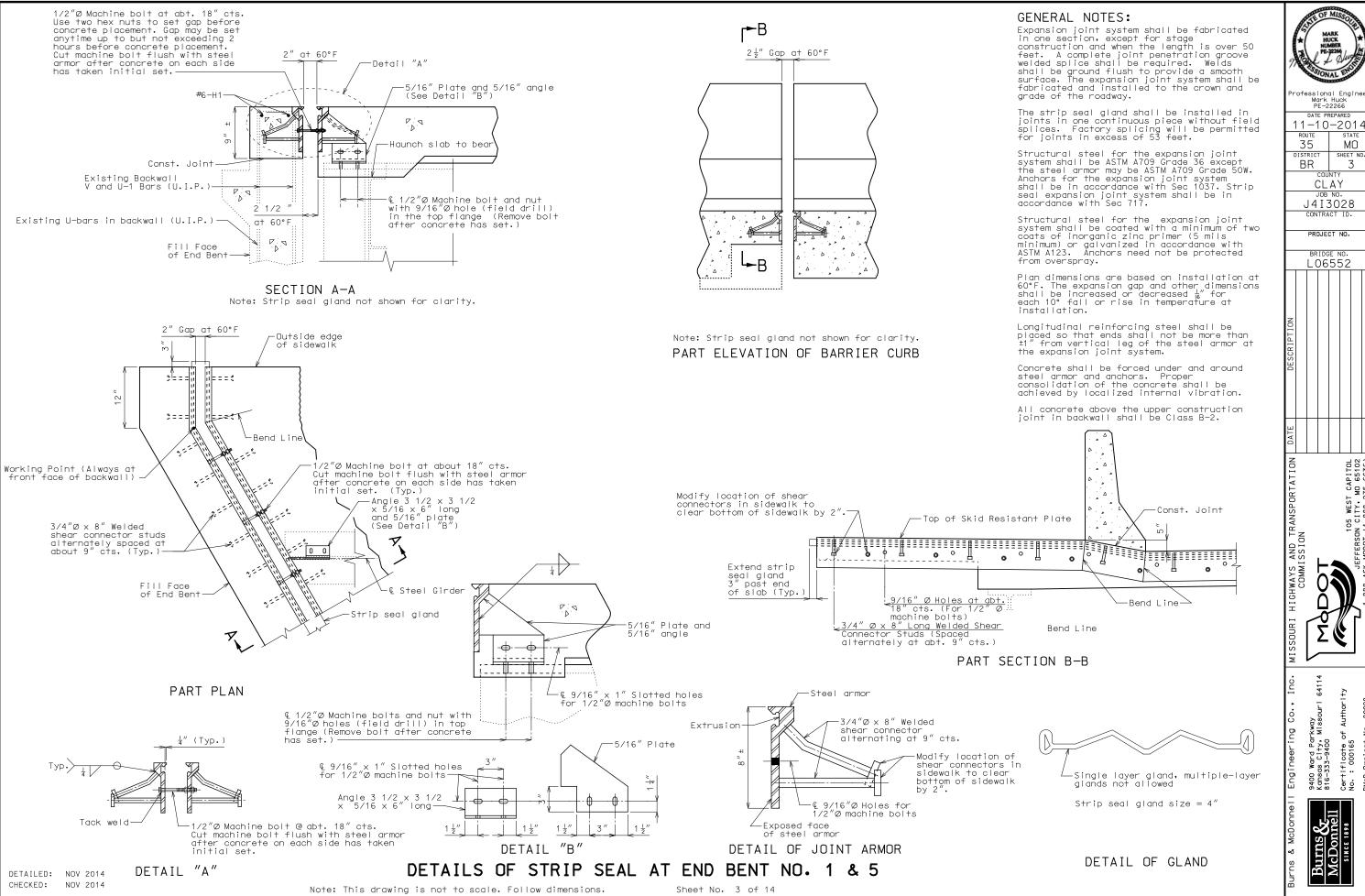
BRIDGE NO. L06552

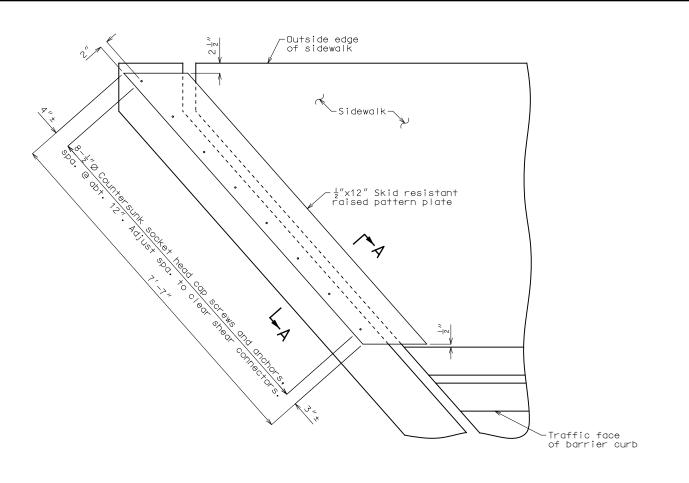
HIGHWAYS AND TRANSPORTATION COMMISSION

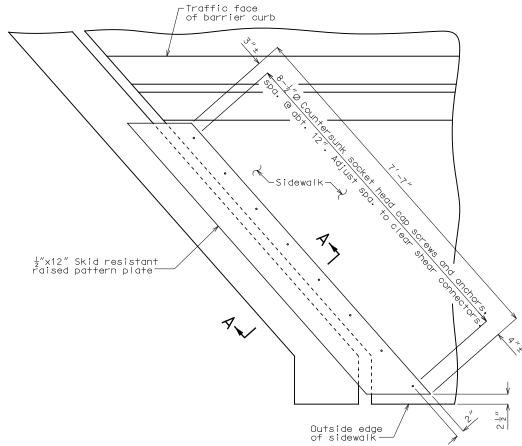
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9400 Ward Parkway Kansas City, Missouri 6 816-333-9400 Certificate of Authoriti No.: 000165

DETAILED: NOV 2014 CHECKED: NOV 2014





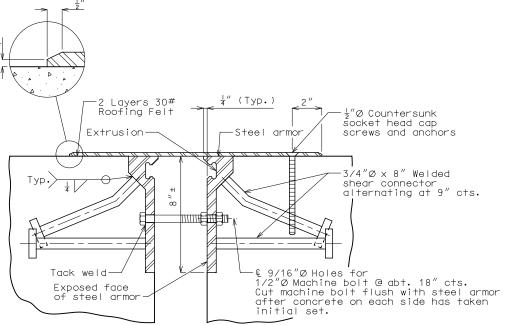


PART PLAN OF SLIDING PLATE

Cost of skid resistant plates, cap screws and anchors, complete in place, will be considered completely covered by the contract unit price for Strip Seal Expansion Joint System.

Skid resistant raised pattern plate anchors shall be a drilled cone expansion or a cast-in-place wing type threaded insert. The minimum ultimate pullout capacity for these anchors shall be 2,700 lbs. in f'c = 4,000 psi concrete. Lead anchors will not be permitted. Holes in the sidewalk for anchors shall not be drilled until the concrete is at least 7 days old.

PART PLAN OF SLIDING PLATE



SECTION A-A

SLIDING PLATE DETAILS

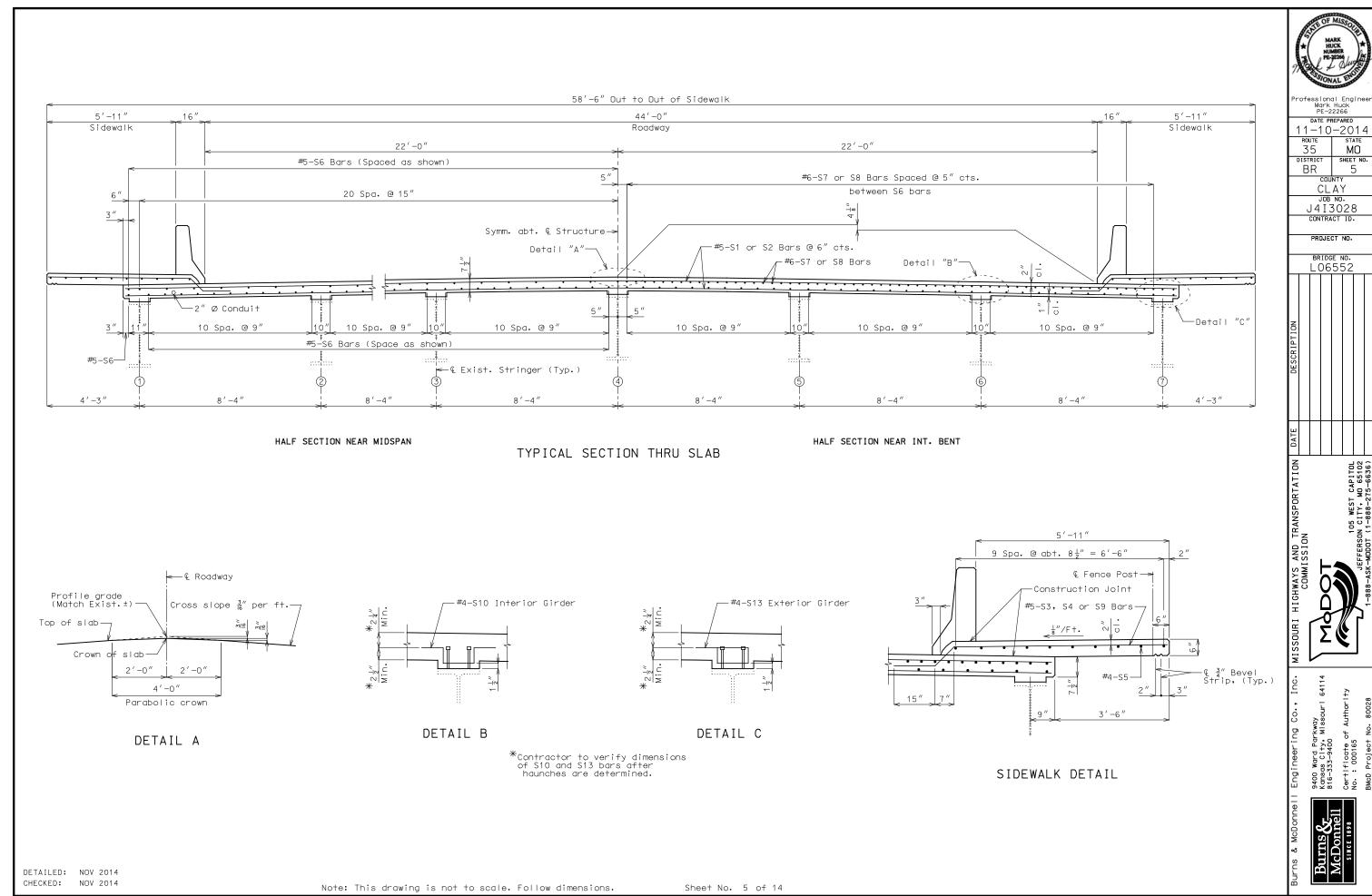
DETAILED: NOV 2014 CHECKED: NOV 2014

Notes:

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

Sheet No. 4 of 14

Mark Huck PE-22266 11-10-2014 ROUTE 35 MΟ DISTRICT SHEET NO. BR 4 CLAY J4I3028 PROJECT NO. L06552 : 000165



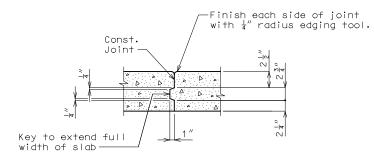
Sheet No. 6 of 14

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

CHECKED: NOV 2014

Mark Huck PE-22266 11-10-2014 MO SHEET NO. 6 6 CLAY J4I3028 CONTRACT ID. PROJECT NO. BRIDGE NO. L06552 9400 Word Parkway Kansas City, Missouri 6 816-333-9400 Certificate of Authorit No.: 000165

SLAB POURING SEQUENCE



Corrugated steel bridge deck forms, supports closure elements and accessories shall be in accordance with grade requirement and coating designation G165 of ASTM A653. Complete shop drawings of the permanent steel deck forms shall be required in accordance with Sec 1080.

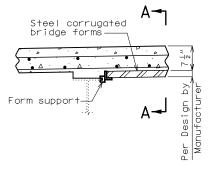
Corrugations of stay-in-place forms shall be filled with an expanded polystyrene material. The polystyrene material shall be placed in the forms with an adhesive in accordance with the manufacturer's recommendations.

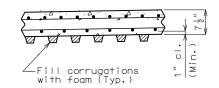
Form sheets shall not rest directly on the top of girders, stringers or floorbeams flanges. Sheets shall be securely fastened to form supports with a minimum bearing length of one inch on each end. Form supports shall be placed in direct contact with the flange. Welding on or drilling holes in the flanges of the girders, stringers or floorbeams will not be permitted. All steel fabrication and construction shall be in accordance with Sec's 1080 and 712. Certified field welders will not be required for welding of the form supports. for welding of the form supports.

The design of stay in place corrugated steel forms is per manufacturer which shall be in accordance with Sec 703 for false work and forms. Maximum actual weight of corrugated steel forms allowed shall be 4 psf assumed for girder loading.

The contractor shall provide temporary bracing as necessary to prevent girders from rotating during slab pour. The cost for temporary bracing shall be considered completely covered by the contract unit price for Slab on Steel.

Slab is to be considered at a uniform depth as shown on the plans. Haunching will vary.





SECTION A-A

OPTIONAL STAY-IN-PLACE FORM DETAILS

PERMISSIBLE CONSTRUCTION JOINT

	Sequence of Pours Direction						Min. Rate of Pour Cu. Yds./Hr.			
							With Retarder	No Retarder		
Basic Sequence	1	2	3	4	5		6	7	25	25
	Either Direction						25	25		
engineer in ac		6 + 3 5 + 4								
Pours	End to	o 7	1 to 6	5	2 to	5	3 +	o End	27	44
Alternate "B" Pours	1 +	7 + 2		6 + 3	+ 3 5 + 4		41	68		
	End	to 6		2 +0	5		3 to E	End	41	00
Alternate "C" Pours	1 + 7 + 2				6 + 3 + 5 + 4		51			
	E	End to	6	2 to End						
Alternate "D"	1 + 7 + 2 + 6 + 3 + 5 + 4									
ALIGINGIO D										

Note: The contractor shall pour and satisfactorily finish the slab pours at the rate given. Retarder, if used, shall be an approved type and retard the set of concrete to 2.5 hours.

Deflection Note: The contractor shall determine dead load deflections and haunching based on field measurements and/or existing bridge plans and may be adjusted based on the difference between the new and existing dead load weights and bridge



Mark Huck PE-22266

11-10-2014 STATE 35 МΩ DISTRICT SHEET NO BR 7 CLAY

J4I3028 CONTRACT ID.

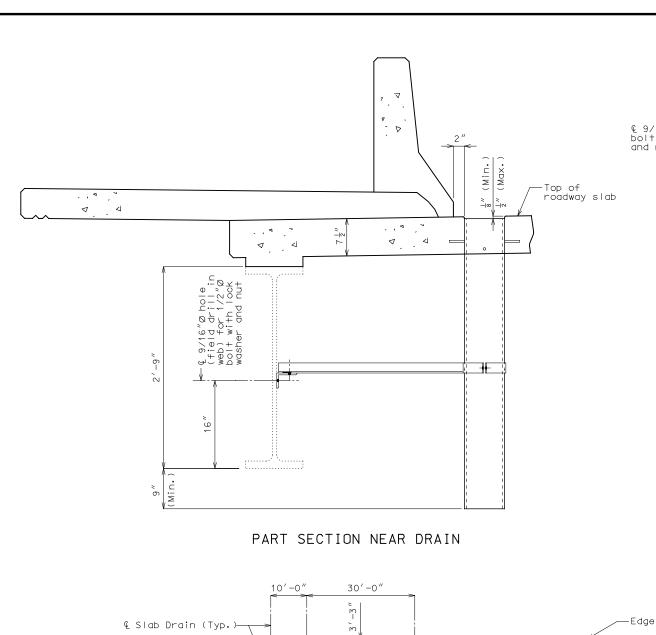
PROJECT NO. BRIDGE NO

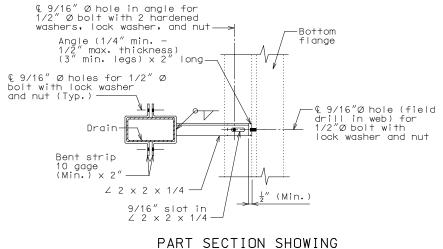
L06552

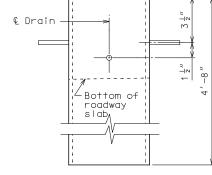
WAYS AND TRANSF COMMISSION

tificate (: 000165

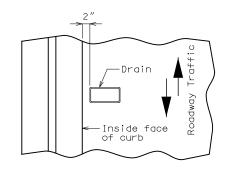
DETAILED: NOV 2014 CHECKED: NOV 2014





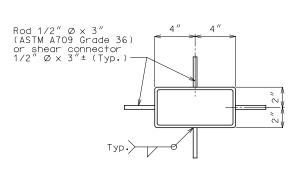


ELEVATION OF DRAIN



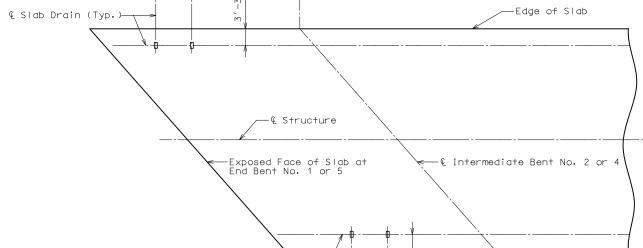
BRACKET ASSEMBLY

PART PLAN OF SLAB AT DRAIN



PLAN OF DRAIN

DETAILS OF DRAINS TRANSVERSE TO ROADWAY



€ Slab Drain (Typ.)—

PLAN OF SLAB SHOWING SLAB DRAIN LOCATIONS

30'-0"

SLAB DRAIN DETAILS

Notes:

Slab drains may be fabricated of either 1/4" welded sheets of ASTM A709 Grade 36 steel or from 1/4" structural steel tubing ASTM A500 or A501.

Slab drain bracket assembly shall be ASTM A709 Grade 36 steel.

Outside dimensions of drains are $8" \times 4"$.

Locate drains in slab by dimensions shown in Part Section Near Drain.

Reinforcing steel shall be shifted to clear drains.

The drains and bracket assembly shall be galvanized in accordance with ASTM A123.

All bolts, hardened washers, lock washers and nuts shall be galvanized in accordance with ASTM A153.

Shop drawings will not be required for the slab drains and the bracket assembly.

The bolt hole for the bracket assembly attachment should be shifted to the minimum extent necessary to field drill in the existing web.



WAYS AND TRANS COMMISSION

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9400 Ward Parkwc Kansas City, Mis 816-333-9400 Certificate of A No.: 000165



DETAILED: NOV 2014 CHECKED: NOV 2014

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

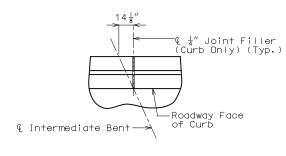
10'-0"

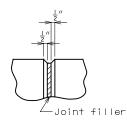
-Edge of Slab

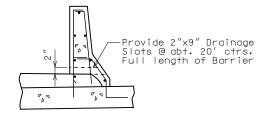
SECTION NEAR LEFT SAFETY BARRIER CURB

(Right Safety Barrier Curb similar)

Note: Longitudinal dimensions are horizontal.

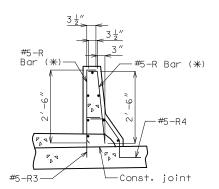






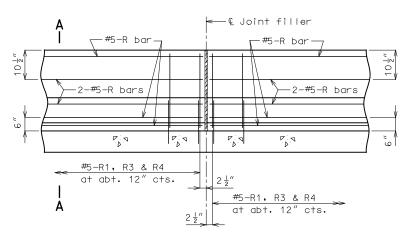
PART PLAN SHOWING SAFETY BARRIER CURB JOINT

FILLED JOINT DETAIL

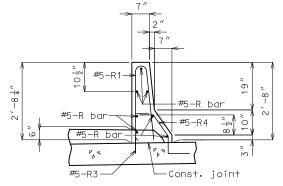


R-BAR PERMISSIBLE ALTERNATE SHAPE

(*) The R1 bar may be separated into two bars as shown, at the contractor's option, only when slip forming is not used. (All dimensions are out to out.)



PART SECTION NEAR LEFT SAFETY BARRIER CURB (CAST-IN-PLACE CONVENTIONAL FORMING OPTION)



PART SECTION A-A

Notes:

Use a minimum lap of 2'-11'' for #5 horizontal safety barrier curb bars.

The cross-sectional area above the slab = 2.27 sq. ft.

Notes:

DRAINAGE SLOT

Top of safety barrier curb shall be built parallel to grade with barrier curb joints normal to arade.

All exposed edges of safety barrier curb shall have either a 1/2" radius or a 3/8" bevel, unless otherwise noted.

Payment for all concrete and reinforcement. complete in place, will be considered completely covered by the contract unit price for safety barrier curb per linear foot.

Concrete in the safety barrier curb shall be Class B-1.

Measurement of safety barrier curb is to the nearest linear foot for each structure, measured along the outside top of barrier from end of barrier to end of barrier, near fill face of end

Concrete traffic barrier delineators shall be placed on top of the safety barrier curb as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for "Safety Barrier Curb".



Mark Huck PE-22266

11-10-2014 35 МΩ DISTRICT SHEET NO 9 BR CLAY

J4I3028 CONTRACT ID.

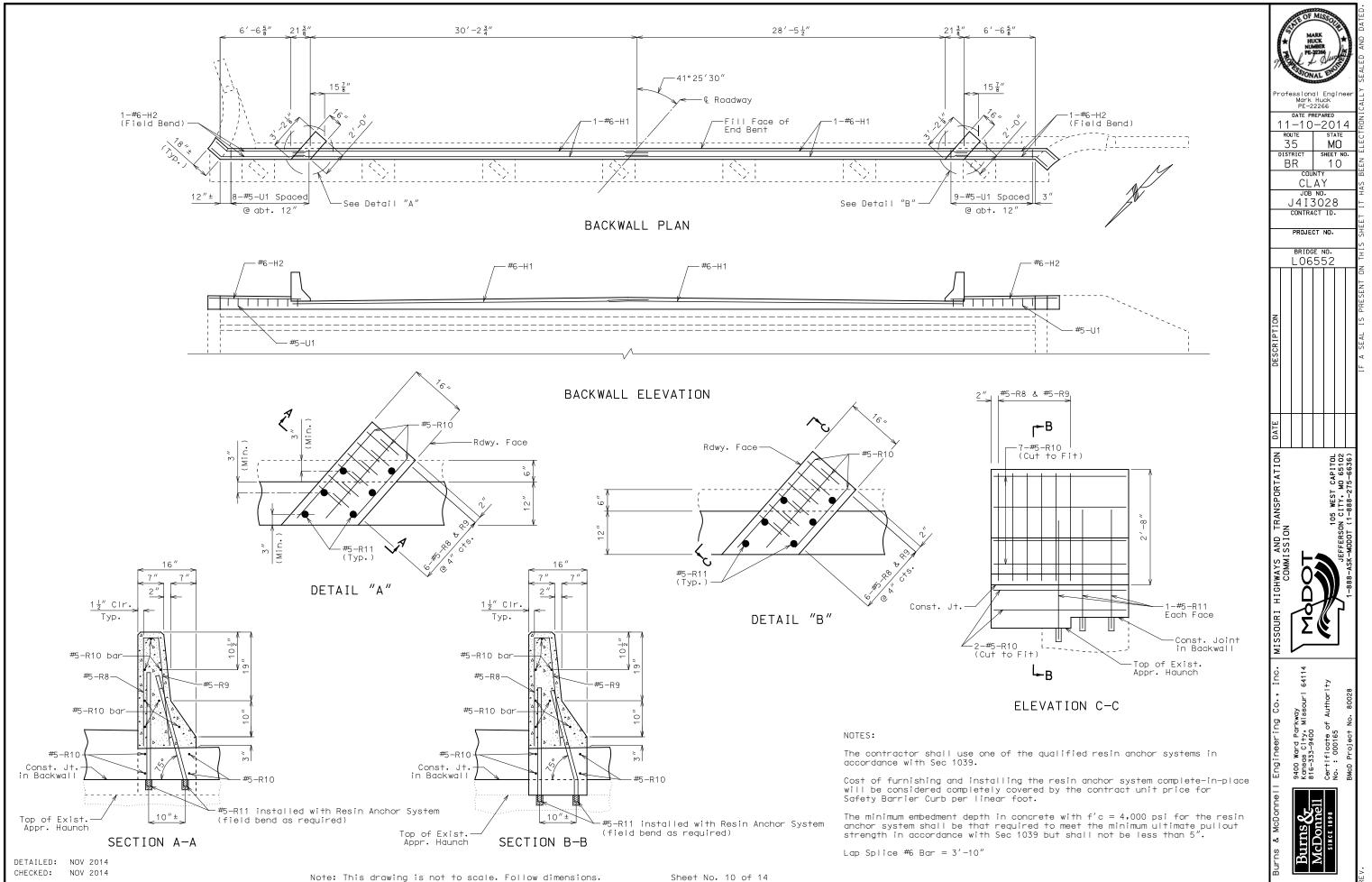
PROJECT NO.

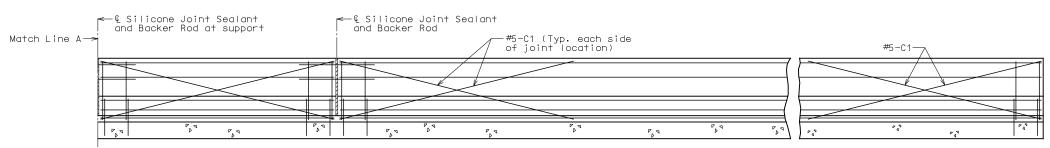
BRIDGE NO L06552

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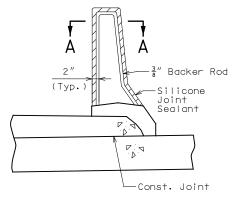
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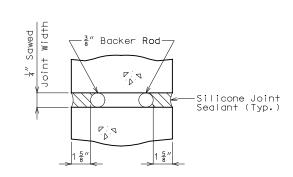
DETAILED: NOV 2014 CHECKED: NOV 2014





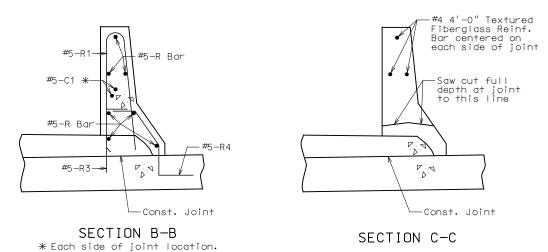
TYPICAL ELEVATION OF SAFETY BARRIER CURB AT SUPPORT LOCATIONS





SECTION THRU JOINT





DETAILED: NOV 2014

NOV 2014

CHECKED:

OPTIONAL SLIP-FORM SAFETY BARRIER CURB

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

Sheet No. 11 of 14

General Notes:

Top of safety barrier curb shall be built parallel to grade with barrier curb joints (except at end bents) normal to grade.

All exposed edges of safety barrier curb shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.

Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Safety Barrier Curb per linear foot.

Concrete in the safety barrier curb shall be Class $\ensuremath{\mathsf{B-1}}$.

Measurement of safety barrier curb is to the nearest linear foot for each structure, measured along the outside top of barrier from end of barrier to end of barrier, near fill face of end bents.

Concrete traffic barrier delineators shall be placed on top of the safety barrier curb as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Safety Barrier Curb.

Joint sealant and backer rods shall be used on all slip-form barrier curbs instead of joint filler and shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

Plastic waterstop shall not be used with slip-form option.

For slip-form option, all sides of the safety barrier curb shall have a vertically broomed finish and the curb top shall have a transversely broomed finish.

C bars (slip-form option only) shall be used in addition to cast-in-place conventional forming reinforcement for bridge safety barrier curb.

Cost of silicone joint sealant and backer rod, complete in place, will be considered completely covered by the contract unit price for Safety Barrier Curb.



Professional Engir Mark Huck PE-22266

| DATE PREPARED | 11-10-2014 | ROUTE | STATE |

CLAY
JOB NO.
J4I3028
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

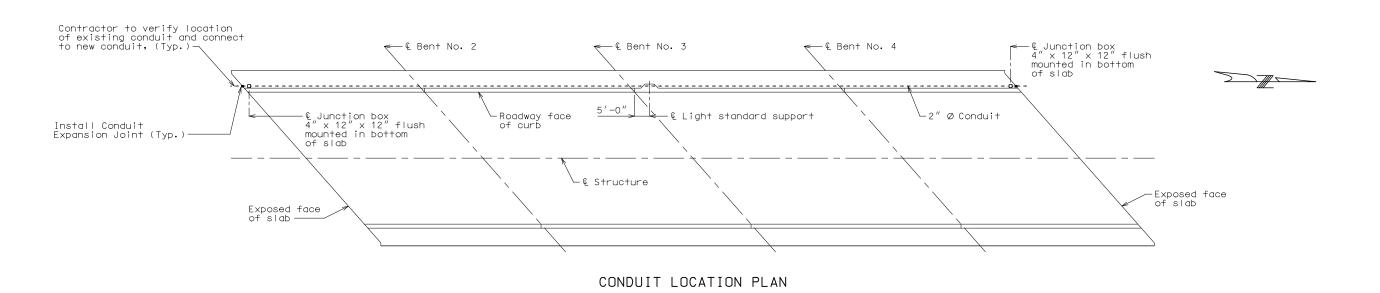
HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MG 65102

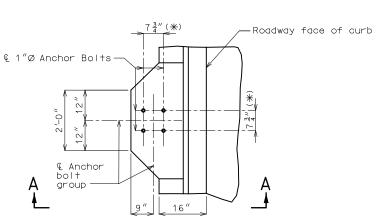
.. Inc. MISSOURI HI

00 Ward Parkway nsas City, Missouri 6 6-333-9400 rrificate of Authorit:

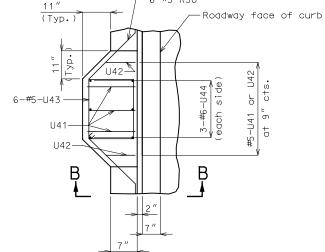
9400 Wdrc Kansas Ci 816-333-9 Certifica No.: 000



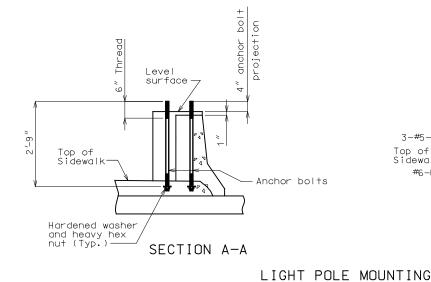


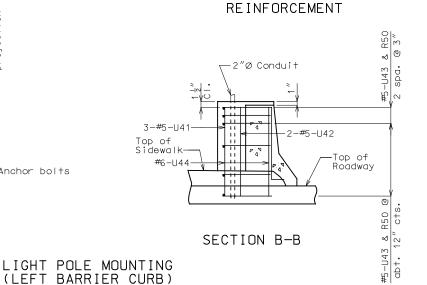


PART PLAN SHOWING GENERAL LAYOUT



PART PLAN SHOWING





Notes:

All conduits shall be rigid nonmetallic schedule 40 heavy wall polyvinyl chloride (PVC) with 2" minimum cover in concrete. Each section of conduit shall bear the Underwriters Laboratories (UL)

Expansion fittings shall be placed as shown and set in accordance with the manufacturer's requirements and based on the air temperature at the time of setting given an estimated total expansion movement of 2 inches at open joints using a maximum temperature range of 150°F and a maximum temperature of 120°F.

All junction boxes shall be PVC molded in accordance with Sec 1062 and designed for flush surface mounting. The conduit terminations shall be permanent or separable. The terminations and covers shall be of watertight construction and shall meet requirements for NEMA 4 enclosure.

Drainage shall be provided at low points or other critical locations of all conduits and all junction boxes in accordance with Sec 707. All conduits shall be sloped to drain where possible.

Payment for furnishing and installing Conduit System, complete in place, will be considered completely covered by the contract lump sum price for Conduit System on Structure.

Shift reinforcing steel in field where necessary to clear conduit and junction boxes.

Top of light standard support shall be made horizontal, anchor bolts to be placed vertically.

Anchor bolts and nuts shall be 1"0 ASTM F1554 Grade 55. Anchor bolts, nuts and washers shall be fully galvanized.

Remove and Reinstall light pole. (Roadway Item).

Cost of anchor bolts, nuts and washers, concrete and reinforcing will be considered completely covered by the contract unit price for Safety Barrier Curb per linear foot.

See Missouri Standard Plans drawing 901.00 for details not shown.

(*) Match existing anchor bolt pattern.



Mark Huck PE-22266

11-10-2014 STATE 35 МΩ DISTRICT SHEET NO BR 12

> CLAY J4I3028 CONTRACT ID.

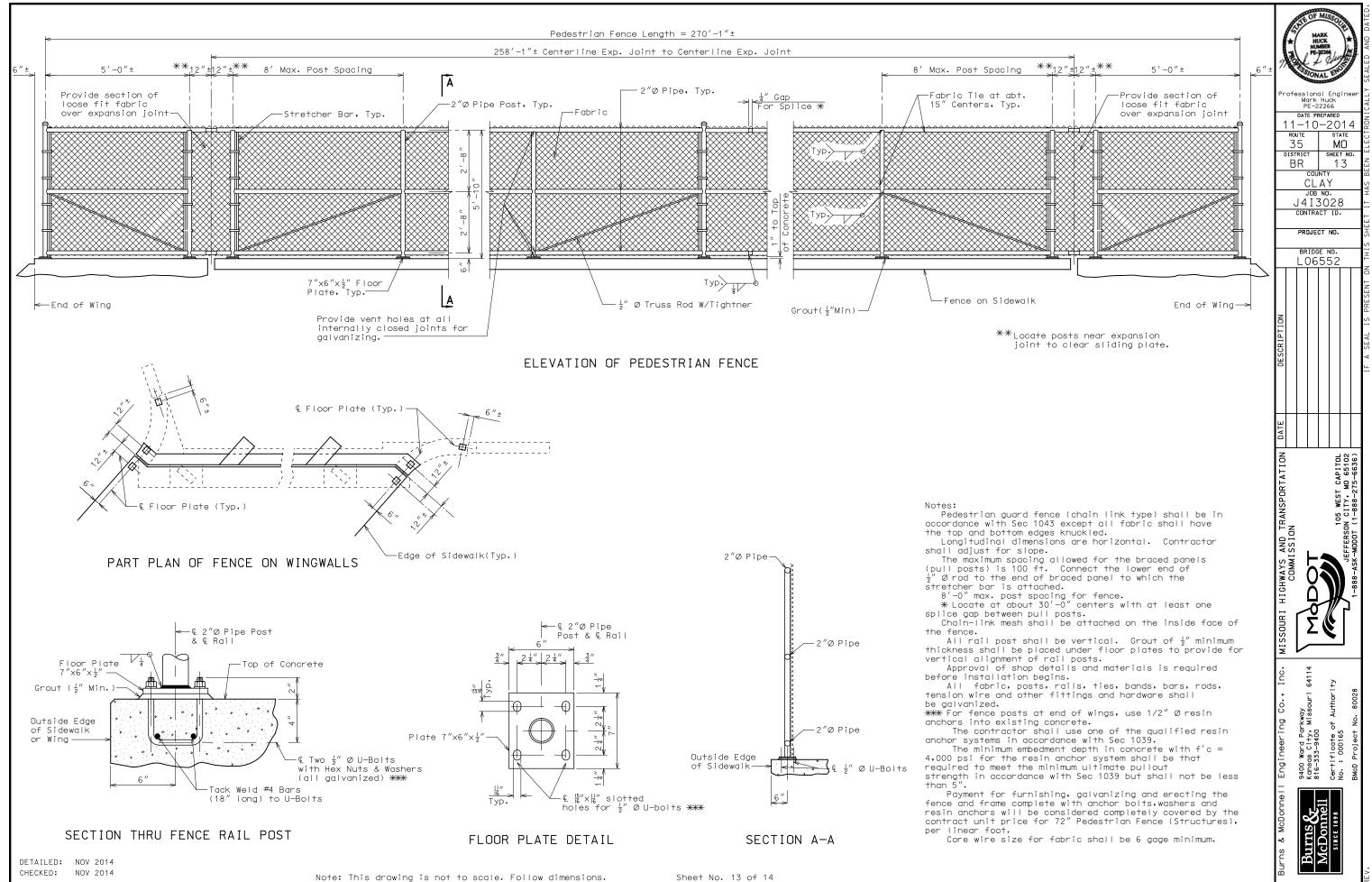
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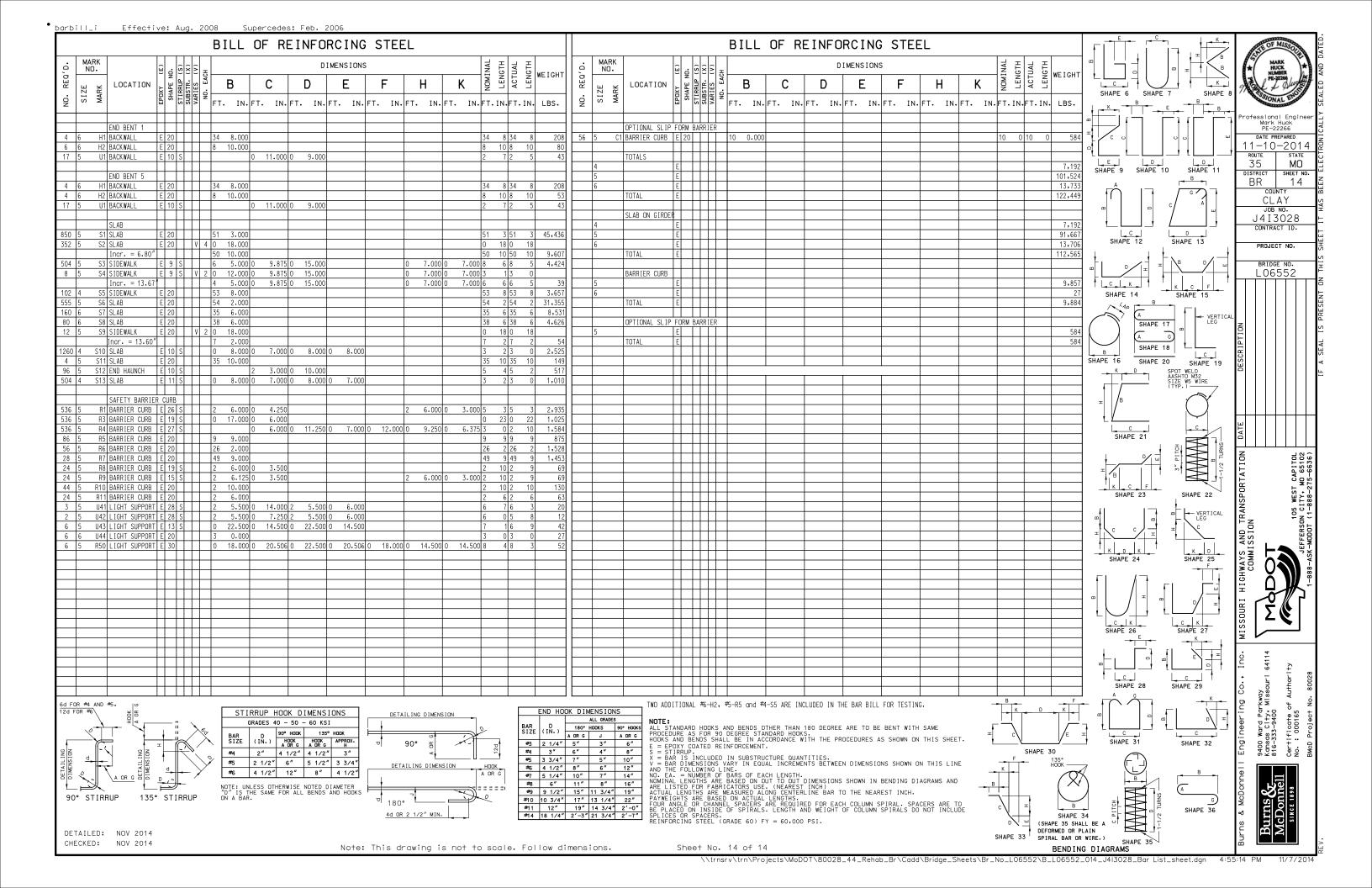
BRIDGE NO L06552

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DETAILED: NOV 2014 CHECKED: NOV 2014









COUNTY: CLAY L0642 R1 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 9/30/2024 2024 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 00035 Federal ID No. 6401 8 5D Route Number 1954 NOT APPLICABLE 27 Year Built 5E Directional Suffix IS 35 N 106 1989 7 Year Reconstructed Facility Carried YES HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 0000004984 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 36619 4 Place AVONDALE CITY 29 AADT 028002023 Code 30 AADT Year 1-WAY TRAFFIC S 6 T 50 N R 32 W Location 102 Direction of Traffic 11 Milepoint 9.89 miles 18% 109 AADT Truck Percent 16 Latitude 39 D 10 M 27 S 65914 114 Future AADT 17 Longitude 94 D 32 M 12 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION CST CHOUTEAU TRFY 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY 19 0.63 miles Type of Service Under By pass Detour Length 04 28B Lanes Under Structure 32 Approach Roadway Width 47 Ft. 11 In. HIGHWAY 24.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 35 Struct. Flared 16 Ft. 0 In. Rt. Lat Clear Ref. HIGHWAY Total Horiz. Clear 41 Ft. 4 In. 55A 47 55B Rt. Lat Clearance 6 Ft. 7 In. 48 66 Ft. 7 In. Maximum Span Length 148 Ft. 11 In. 0 Ft. 0 In. Left Lat Clearance 49 Structure Length N/A Navigation Control 50A 0 Ft. 8 In. Left Curb/Sidewalk Width Nav Vertical Clear 0 Ft. 0 In. 39 50B Right Curb/Sidewalk Width 0 Ft. 8 In. 0 Ft. 0 In. Curb to Curb Br. Width 40 Ft. 0 In. 40 Nav Horizontal Clear 51 42 Ft. 8 In. Nav. Pier Protection Deck Width (Out-Out) 111 52 99 Ft. 99 In. Nav. Cl. Vert. Clear 53 Vert.Clearance Over Deck





COUNTY: CLAY BRIDGE: L0642 R1 REVIEW STATUS: APPROVED NBI STATUS: T

RECORD TYPE: ROUTE CARRIED 'ON' STRUCT RUN DATE: 9/30/2024 SUBMITTAL YEAR: 2024

RECORD TYPE: ROUTE CARRIED ON STRUCT	RUN DATE: 5/30/2024 SUBMITTAL TEAR: 2024					
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Sufficiency Rating 77.8 Percent Deficiency Rating NOT DEFICIENT	108C Deck Protect Mat/Constr. 1 EPOXY					
Funding Eligibility 75A	CONDITION RATING INFORMATION 58 Deck Cond. Rating 6 59 Superstructure Cond. Rating 5 60 Substructure Cond. Rating 5 61 Channel /Channel Protection Cond. Rating N 62 Culvert Cond. Rating N					
96 Total Project Cost \$ 0,000						
97 Year of Cost Estimates 0	INSPECTION INFORMATION 90 Gen. Insp Date 9/24					
APPRAISAL RATING INFORMATION 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 5 68 Deck Geometry App. Rating 7 69 Underclearance App. Rating 4 71 Waterway Adeq. App. Rating N 72 Approach Road App. Rating 8 113 Scour Assess App. Rating N APPROVED POSTING INFORMATION	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 BORDER BRIDGE INFORMATION 98 Neighboring State Code 98B Neighboring State % Respon 99 Neighboring State Struc. No.					
Approved Posting Category S-1	Field Posting Category S-1					
Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign NO POSTING REQUIRED	Ton1 Ton2 Ton3 Tonnage Values for Posting Sign General Text for Posting Sign NO POSTING REQUIRED					

 $Design_No = 10642$





COUNTY: CLAY L0642 R1 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 9/30/2024 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 CST District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00000 6401 8 Federal ID No. 5D Route Number 1954 NOT APPLICABLE 27 Year Built 5E Directional Suffix IS 35 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 11518 4 Place AVONDALE CITY 29 AADT 028002023 Code 30 AADT Year 2-WAY TRAFFIC S 6 T 50 N R 32 W Location 102 Direction of Traffic 11 Milepoint 1.65 miles 109 AADT Truck Percent 16 Latitude 39 D 10 M 27 S 114 Future AADT 17 Longitude 94 D 32 M 12 S 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION MO 269 10 16 Ft. 0 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY 19 0.63 miles Type of Service Under By pass Detour Length 28B Lanes Under Structure 04 32 Approach Roadway Width 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 35 Struct. Flared Rt. Lat Clear Ref. Total Horiz. Clear 41 Ft. 4 In. 55A 47 55B Rt. Lat Clearance 48 66 Ft. 7 In. Maximum Span Length 148 Ft. 11 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



October 1, 2024 3:59:05pm

L0642 R1 REVIEW STATUS: APPROVED T COUNTY: CLAY **BRIDGE:** NBI STATUS: 2024 9/30/2024 ROUTE 'UNDER' STRUCT **SUBMITTAL YEAR: RECORD TYPE: RUN DATE:** LOAD RATING AND POSTING INFORMATION MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type STEEL CONTINUOUS 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

Design No = 10642





COUNTY: CLAY L0655 2 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 9/30/2024 2024 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 CST District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00000 6409 8 Federal ID No. 5D Route Number 1954 NOT APPLICABLE 27 5E Year Built Directional Suffix N BRIGHTON AVE S 106 1976 7 Year Reconstructed Facility Carried HIGHWAY-PEDESTRIAN Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 21 Structure Maintenance 13A LRS Inventory Route No. STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN ON FREE ROAD Br. Median Code 20 Toll Status 16-URBAN MINOR ARTERIAL 37 Historical Significance NOT ELIGIBLE FOR 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 NO 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 4914 4 Place KANSAS CITY CITY 29 AADT 38000 2023 Code 30 AADT Year 2-WAY TRAFFIC S 32 T 51 N R 32 W Location 102 Direction of Traffic 11 Milepoint 5.82 miles 5% 109 AADT Truck Percent 16 Latitude 39 D 11 M 1 S 7862 114 Future AADT 17 Longitude 94 D 31 M 16 S 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION IS 35 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B HIGHWAY 19 1.25 miles Type of Service Under By pass Detour Length 04 28B Lanes Under Structure 32 Approach Roadway Width 43 Ft. 12 In. HIGHWAY 41.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 35 Struct. Flared 16 Ft. 12 In. Rt. Lat Clear Ref. HIGHWAY Total Horiz. Clear 43 Ft. 12 In. 55A 47 55B Rt. Lat Clearance 11 Ft. 10 In. 48 69 Ft. 11 In. Maximum Span Length 261 Ft. 2 In. 13 Ft. 9 In. Left Lat Clearance 49 Structure Length N/A Navigation Control 50A 4 Ft. 11 In. Left Curb/Sidewalk Width Nav Vertical Clear 0 Ft. 0 In. 39 50B Right Curb/Sidewalk Width 4 Ft. 11 In. 0 Ft. 0 In. Curb to Curb Br. Width 43 Ft. 12 In. 40 Nav Horizontal Clear 51 58 Ft. 5 In. Nav. Pier Protection Deck Width (Out-Out) 111 52 99 Ft. 99 In. Nav. Cl. Vert. Clear 53 Vert.Clearance Over Deck





COUNTY: CLAY BRIDGE: L0655 2 REVIEW STATUS: APPROVED NBI STATUS: T

RECORD TYPE: ROUTE CARRIED 'ON' STRUCT RUN DATE: 9/30/2024 SUBMITTAL YEAR: 2024

RECORD TYPE: ROUTE CARRIED ON STRUCT	RUN DATE: 5/30/2024 SUBMITTAL YEAR: 2024					
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION					
31 Design Load	43A Main Struc. Mat type STEEL CONTINUOUS 43B Main struc Constr. Type STRINGER/MULTIBEAM - GRD 45 # of Main Spans 4 44A Appr Struc. Mat type 000 44B Appr Struc. Cnstr. type 000 46 # of Approach Span 0 107 Deck Mat/Constr. 1 CONCRETE CIP 108A Wear Surf Mat/Constr. 1 MONO CONCRETE					
Sufficiency Rating 77.4 Percent Deficiency Rating FUNCTIONAL	108B Membrane Mat/Constr. 0 NONE 108C Deck Protect Mat/Constr. 0 NONE					
Funding Eligibility PARTIAL	CONDITION RATING INFORMATION					
75A Proposed Work REHAB-GENERAL DETERIORAT	58 Deck Cond. Rating 8					
75B Work Done By Contract	59 Superstructure Cond. Rating 7					
76 New Struc Length 295 Ft. 3 In.	60 Substructure Cond. Rating 6					
94 Struc Improve Cost \$ 2,006,000	Channel /Channel Protection Cond. Rating N					
95 Roadway Improve Cost \$201,000	62 Culvert Cond. Rating N					
96 Total Project Cost \$3,009,000 97 Year of Cost Estimates 2024	INSPECTION INFORMATION					
97 Year of Cost Estimates 2024	90 Gen. Insp Date 9 / 24					
APPRAISAL RATING INFORMATION	91 Gen. Insp. Frequency 24 Months					
36A Br. Rail App. Rating MEETS ACCEPTBLE STND	92A Frac. Critical Inspection N Months					
36B Transition Rail App. Rating DOES NOT MEET ACCEPT STND	93A Frac. Critical Insp. Date					
36C Approach Rail App. Rating DOES NOT MEET ACCEPT STND	92B Underwater Inspection N Months					
36D Rail End Treat. App. Rating DOES NOT MEET ACCEPT STND	93B Underwater Insp. Date					
67 Struc Eval App. Rating 6 Deck Geometry App. Rating 2	92C Special Inspection N Months					
68 Deck Geometry App. Rating 2 69 Underclearance App. Rating 5	93C Special Inspection Date					
71 Waterway Adeq. App. Rating N	BORDER BRIDGE INFORMATION					
72 Approach Road App. Rating 8	98 Neighboring State Code					
113 Scour Assess App. Rating N	98B Neighboring State % Respon					
	99 Neighboring State Struc. No.					
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION					
Approved Posting Category S-1	Field Posting Category S-1					
Ton1 Ton2 Ton3	Ton1 Ton2 Ton3					
Tonnage Values for Posting Sign	Tonnage Values for Posting Sign					
General Text for Posting Sign	General Text for Posting Sign					
NO POSTING REQUIRED	NO POSTING REQUIRED					

 $Design_No = 10655$





COUNTY: CLAY L0655 2 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 1 RTE THAT GOES 'UNDER' S 9/30/2024 2024 **RECORD TYPE:** RUN DATE: **SUBMITTAL YEAR:** GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION State 1 RTE THAT GOES 'UNDER' S Code: A MISSOURI 5A Record Type District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00035 Federal ID No. 6409 8 5D Route Number 1954 NOT APPLICABLE 27 5E Year Built Directional Suffix N BRIGHTON AVE S 106 0 7 Year Reconstructed Facility Carried HIGHWAY-PEDESTRIAN 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 11-UR PRNCPL ARTERIAL-IS 37 Historical Significance 26 Functional Classification NONE EXISTS 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 ON A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length ON NHS National Highway System 104 105 Federal Lands Highway YES 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 33788 4 Place KANSAS CITY CITY 29 AADT 38000 2023 Code 30 AADT Year 1-WAY TRAFFIC S 32 T 51 N R 32 W Location 102 Direction of Traffic 11 Milepoint 104.10 miles 18% 109 AADT Truck Percent 16 Latitude 39 D 11 M 1 S 114 Future AADT 17 Longitude 94 D 31 M 16 S 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION IS 35 10 16 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 43 Ft. 12 In. 55A 47 55B Rt. Lat Clearance 48 69 Ft. 11 In. Maximum Span Length 261 Ft. 2 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



October 1, 2024 3:59:42pm

L0655 2 REVIEW STATUS: APPROVED T COUNTY: CLAY **BRIDGE:** NBI STATUS: 2024 9/30/2024 1 RTE THAT GOES 'UNDER' S **SUBMITTAL YEAR: RECORD TYPE: RUN DATE:** LOAD RATING AND POSTING INFORMATION MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type STEEL CONTINUOUS 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 PROPOSED IMPROVEMENT INFORMATION

Sufficiency Rating

Deficiency Rating Funding Eligibility

Proposed Work

75B Work Done By

76 New Struc Length 94 Struc Improve Cost

95 Roadway Improve Cost

96 Total Project Cost

Year of Cost Estimates

APPRAISAL RATING INFORMATION

36A Br. Rail App. Rating 36B Transition Rail App. Rating

36C Approach Rail App. Rating

36D Rail End Treat. App. Rating

67 Struc Eval App. Rating

Deck Geometry App. Rating 69

Underclearance App. Rating 71 Waterway Adeq. App. Rating

72 Approach Road App. Rating

113 Scour Assess App. Rating

Approved Posting Category

Tonnage Values for Posting Sign

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

61 Channel / Channel Protection Cond. Rating

62 Culvert Cond. Rating

INSPECTION INFORMATION

90 Gen. Insp Date 91 Gen. Insp. Frequency

92A Frac. Critical Inspection

93A Frac. Critical Insp. Date

92B Underwater Inspection

93B Underwater Insp. Date

92C Special Inspection 93C

Special Inspection Date

BORDER BRIDGE INFORMATION

FIELD POSTING INFORMATION

Ton1

Ton2

Ton3

98 Neighboring State Code

98B Neighboring State % Respon 99 Neighboring State Struc. No.

APPROVED POSTING INFORMATION

Field Posting Category

Ton1 Ton2 Ton3

Tonnage Values for Posting Sign

General Text for Posting Sign General Text for Posting Sign

Design No = 10655





COUNTY: CLAY L0655 2 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 2ND RTE THAT GOES 'UNDR'S 9/30/2024 2024 **RECORD TYPE: RUN DATE: SUBMITTAL YEAR:** GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION State 2ND RTE THAT GOES 'UNDR'S Code: B MISSOURI 5A Record Type District 5B KCRoute Signing Prefix MAINLINE CLAY County 5C Designated Level of Service 00035 Federal ID No. 6409 8 5D Route Number 1954 NOT APPLICABLE 27 5E Year Built Directional Suffix N BRIGHTON AVE S 106 0 7 Year Reconstructed Facility Carried HIGHWAY-PEDESTRIAN 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 11-UR PRNCPL ARTERIAL-IS 37 Historical Significance 26 Functional Classification NONE EXISTS 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 ON A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length ON NHS National Highway System 104 105 Federal Lands Highway YES 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 33788 4 Place KANSAS CITY CITY 29 AADT 38000 2023 Code 30 AADT Year 1-WAY TRAFFIC S 32 T 51 N R 32 W Location 102 Direction of Traffic 11 Milepoint 10.96 miles 18% 109 AADT Truck Percent 16 Latitude 39 D 11 M 1 S 114 Future AADT 17 Longitude 94 D 31 M 16 S 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION IS 35 10 17 Ft. 3 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 43 Ft. 12 In. 55A 47 55B Rt. Lat Clearance 48 69 Ft. 11 In. Maximum Span Length 261 Ft. 2 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



October 1, 2024 3:59:42pm

L0655 2 REVIEW STATUS: APPROVED T COUNTY: CLAY **BRIDGE:** NBI STATUS: 2024 9/30/2024 2ND RTE THAT GOES 'UNDR'S **SUBMITTAL YEAR: RECORD TYPE: RUN DATE:** LOAD RATING AND POSTING INFORMATION MATERIAL/CONSTRUCTION INFORMATION 43A Main Struc. Mat type STEEL CONTINUOUS 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 Approach Rail App. Rating 92B Underwater Inspection 36D 93B Rail End Treat. App. Rating 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

APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category	Field Posting Category

98

98B

Approved I osting Category

Ton1 Ton2 Ton3 Ton1 Ton2 Ton3

Neighboring State Code

Neighboring State % Respon

Neighboring State Struc. No.

Tonnage Values for Posting Sign

Tonnage Values for Posting Sign

General Text for Posting Sign General Text for Posting Sign

Design No = 10655

71

72

113

Waterway Adeq. App. Rating

Approach Road App. Rating

Scour Assess App. Rating



October 01, 2024 3:52:35PM

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6401 BRIDGE: L0642

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: IS35N # SPANS:** 3 PLACE CODE: 02800 AVONDALE CITY **DATE:** 09/03/2024 **RESPONSIBILITY: DISTRICT** LANES ON: 2 FEATURE: CST CHOUTEAU TRFY **LENGTH:** 149 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: LANES UNDER: 4** STATUS: A-OPEN MAXIMUM SPAN: 66 FT 9 IN **TEAM LEADER: JARED YOST ELEMENT:** YES **LOG MILE:** 9.831 **COMPASS DIRECTION: WEST to EAST** APPROACH ROADWAY: 48 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR:** 1.00 MILES **DIRECTION OF TRAFFIC: 1-WAY TRAF** CURB TO CURB: 40 FT 0 IN **INSPECTOR 3: OUT TO OUT:** 42 FT 8 IN NHS: YES FUNCTIONAL CLASS: UR-INTERSTATE ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1954 **NBI OWNER: MODOT AADT:** 36619 **GENERAL INSPECTION COMMENTS REHAB:** 1989 **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: KC LOCATION: S 6 T 50 R 32 W **AADT TRUCK:** 18.4% **LATITUDE:** 39 10 26.83 (DMS) MAINTENANCE COUNTY: CLAY **FUTURE AADT: 65914 LONGITUDE:** 94 32 12.21 (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**

October 01, 2024 3:52:35PM

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6401

STRUCTURE POSTING

BRIDGE: L0642

APPROVED CATEGORY: S-1 NO POSTING REQUIRED

Ton 1: Ton 2: Ton 3:

COMMENTS: (HOLZBJ, 01/03/2013)--LOAD POSTING LETTER 1/3/2013, MODOT.

FIELD CATEGORY: S-1 NO POSTING REQUIRED

Ton 1: Ton 2: Ton 3: PROBLEM: PROBLEM DIRECTION:

COMMENTS:

GENERAL COMMENTS/MAJOR RATED ITEMS

GENERAL COMMENTS: (BOWDEJ1, 09/30/2008)--(41'-66'-41') CONT COMP WF GDR SPANS

[ITEM 58] DECK: 6-SATISFACTORY CONDITION COMMENTS: (OTISL1, 09/30/2014)--T-CRACKS

RATING: 05/18/2001

[ITEM 59] SUPER: 5-FAIR CONDITION COMMENTS: (BATUSJ1, 09/19/2012)--UNTIL REPAIRS ARE MADE TO BEARING

RATING: 09/19/2012

[ITEM 60] SUB: 5-FAIR CONDITION COMMENTS: (OTISL1, 09/30/2014)--ABUTMENT CAPS SPALLING

RATING: 01/12/2011

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

RATING: 05/18/2001

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

RATING: 05/18/2001

EVALUATION TYPE:

[ITEM 71] WATERWAY ADEQUACY: NOT APPLICABLE COMMENTS:

RATING: 05/18/2001

[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD COMMENTS:

RATING: 05/18/2001

RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS

[ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1 RATING: 05/18/2001 COMMENTS:

<u>MATERIAL</u> <u>CONSTRUCTION</u>

CONSTRUCTION DIRECTION COMMENTS

REINFORCED CONCRETE SAFETY BARRIER CURB BOTH

CONDITIONLOCATION 1LOCATION 2SEVERITYCOMMENTVERTICAL CRACKSTHROUGHOUTFEW

[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 RATING: 09/26/2016 COMMENTS:

MATERIALCONSTRUCTIONDIRECTIONCOMMENTSGALVANIZED STEELTHRIE BEAM TO W-BEAMBOTH-WEST

[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1 RATING: 05/18/2001 COMMENTS:

MATERIALCONSTRUCTIONDIRECTIONCOMMENTSGALVANIZED STEELW-BEAMBOTH-WEST

[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1 RATING: 01/12/2011 COMMENTS:

THEM SOUT RAIL END TREATMENT RAILING. MEETS CORRENT STANDARDS-1 RAILING. 01/12/2011 COMMENTS

Missouri Department of Transportation

October 01, 2024

3:52:35PM

State Bridge Inspection Report

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6401 BRIDGE: L0642

CONSTRUCTION **DIRECTION COMMENTS** MATERIAL **GALVANIZED STEEL BREKAWAY SYSTEM BOTH-WEST**

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

MATERIAL CONSTRUCTION DIRECTION CONDITION* COMMENTS

(OTISL1, 10/09/2018)--ASPHALT WEARING SURFACE: 2018 REINFORCED CONCRETE **SLAB BOTH FAIR**

LOCATION 1 **LOCATION 2 CONDITION SEVERITY COMMENT**

SPALLS FEW ENDS

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

DECK PROTECTIVE COMPONENTS:

SERIES TYPE-# **COMPONENT CONSTRUCTION THICKNESS OVERALL CONDITION MATERIAL** YEAR APPLIED MANUFACTURE MAIN SERIES-1 WEARING SURFACE PLAIN CONCRETE *MONOLITHIC*

COMMENT:

MODOT

DECK PROTECTION EPOXY POLYMER COATED REBAR

COMMENT:

NONE *MEMBRANE NOTAPPLICABLE*

COMMENT:

2023 *SILANE* SECONDARY DECK PROTECTION LIQUID SEALANT INTERNALLY SEALED

COMMENT:

DRAINAGE COMPONENTS:

COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS

EXPANSION DEVICE COMPONENTS:

MATERIAL SUB LABEL **COMPONENT CONSTRUCTION** YEAR APPLIED **OVERALL CONDITION SUB UNIT-# GAP MANUFACTURE** CLOSED EXPANSION JOINT ELASTOMERIC COMPRESSION SEAL ABUTMENT-1 XJS JOINT **POOR**

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS:

COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS

PLAIN CONCRETE SLOPE PROTECTION *PAVEDSLOPE* BOTH

DECK COMPONENTS

SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS**

MAIN SPANS-1 CAST-IN-PLACE DECKREINFORCED CONCRETE (BATUSJ1, 10/01/2012)--D.L. DROP 1.5" OVER GIRDER 3-4

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

EFFLORESCENCE THROUGHOUT **MEDIUM SCALING** DRIVING SURFACE LIGHT

SPALLS LONGITUDINAL JOINT MINOR TRANSVERSE CRACKS THROUGHOUT MANY

MAIN SPANS-2 DECK REINFORCED CONCRETE CAST-IN-PLACE

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

Design $N_0 = L0642$

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6401 BRIDGE: L0642

EFFLORESCENCE THROUGHOUT MEDIUM LIGHT DRIVING SURFACE **SCALING** TRANSVERSE CRACKS THROUGHOUT MANY

CAST-IN-PLACE MAIN SPANS-3 DECKREINFORCED CONCRETE

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** EFFLORESCENCE THROUGHOUT **MEDIUM SCALING** DRIVING SURFACE LIGHT TRANSVERSE CRACKS THROUGHOUT MANY

SUPERSTRUCTURE COMPONENTS

SERIES TYPE-# SPAN TYPE **CONSTRUCTION COMMENTS MATERIAL LABEL** MAIN SERIES-1 CONTINUOUS SPAN WIDE FLANGE GIRDERS STEEL

COMPOSITE INDICATOR WEATHERING STEEL COMMENTS <u>SPAN</u> **LENGTH**

MAIN SPANS-1 COMPOSITE 41 FT 0 IN NO (BATUSJ1, 10/01/2012)--GIRDER 3-4 FLOAT ON BEARING

CONDITION LOCATION 1 SEVERITY LOCATION 2 **MEASUREMENT COMMENT** RUSTING **BOTTOM FLANGE** LIGHT

SECTION LOSS AT BEARING INITIAL

MAIN SPANS-2 COMPOSITE NO 66 FT 9 IN

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

BOTTOM FLANGE

MAIN SPANS-3 COMPOSITE 41 FT 1 IN NO

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

RUSTING **BOTTOM FLANGE** LIGHT

SUBSTRUCT	URE COMI	ONENTS	
CONSTRUCTION	LABEL	COMMENTS	

					112 0 01/11	0112112		
<u>SUBSTRUCTURE</u>	<u>SKEW</u>	LENGTH	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	COMMENTS		-
ABUTMENT-1	<i>RA-24 DEGREES</i>	46 FT 10 IN	REINFORCED CONCRETE	NON-INTEGRAL				
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>Si</u>	EVERITY	<u>MEASUREMENT</u>	COMMENT
<u>ASSOCIAT</u>	ED COMPONENT	<u>MAT</u>	<u>'ERIAL</u>	<u>CONSTRUCTION</u>				
BEAM CAI	P	REII	NFORCED CONCRETE	CAST-IN-PLACE				
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SE</u>	EVERITY	<u>MEASUREMENT</u>	COMMENT
	DELAMINATION		THROUGHOUT			MANY		
	EFFLORESCENCE	E	THROUGHOUT]	MINOR		
	HORIZONTAL CRAC	CKS	THROUGHOUT			MANY		
	REBAR EXPOSED)	THROUGHOUT			FEW		
	SPALLS		THROUGHOUT		MO	ODERATE		
PILING		STE	EL	H-SHAPE				
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SE</u>	EVERITY	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT	WINGS	REII	NFORCED CONCRETE	CAST-IN-PLACE				
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SE</u>	EVERITY	<u>MEASUREMENT</u>	COMMENT
TURNED E	BACK WINGS	REII	NFORCED CONCRETE	CAST-IN-PLACE				
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SE</u>	EVERITY	<u>MEASUREMENT</u>	COMMENT
BACKWAL	L	REII	NFORCED CONCRETE	CAST-IN-PLACE				
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SE</u>	EVERITY	<u>MEASUREMENT</u>	COMMENT
	LEACHING		THROUGHOUT]	MINOR		
	VERTICAL CRACK	S	THROUGHOUT			FEW		

MoDOT

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6401 BRIDGE: L0642 STEEL ROCKER **EXPANSION BEARING LOCATION 2 CONDITION** LOCATION 1 **SEVERITY** MEASUREMENT COMMENT PACK RUST **THROUGHOUT MODERATE** BENT-2 RA-24 DEGREES 42 FT 5 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** MEASUREMENT COMMENT **LOCATION 1** LOCATION 2 SEVERITY ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT CONDITION** HIGH STEEL SPALLS **ENDS FEW** REBAR EXPOSED **ENDS FEW ENDS FEW VERTICAL CRACKS** COLUMN REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT REBAR EXPOSED **BOTTOM FEW SPALLS BOTTOM MODERATE** VERTICAL CRACKS **COLUMN FEW FOOTING** REINFORCED CONCRETE H-PILE LOCATION 2 **CONDITION** LOCATION 1 **SEVERITY MEASUREMENT COMMENT FOOTING** REINFORCED CONCRETE SPREAD **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT EXPANSION BEARING** STEEL **ROCKER CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT BENT-3 RA-24 DEGREES 42 FT 0 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION SEVERITY** LOCATION 1 LOCATION 2 MEASUREMENT COMMENT ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** COLUMN REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **PATCHES SMALL BOTTOM SPALLS THROUGHOUT SMALL FOOTING** H-PILE REINFORCED CONCRETE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT FOOTING** REINFORCED CONCRETE SPREAD **CONDITION LOCATION 1** LOCATION 2 **SEVERITY COMMENT** *MEASUREMENT* **EXPANSION BEARING** STEEL **ROCKER CONDITION LOCATION 1 LOCATION 2** SEVERITY MEASUREMENT COMMENT ABUTMENT-4 RA-24 DEGREES 44 FT 0 IN REINFORCED CONCRETE NON-INTEGRAL **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** REINFORCED CONCRETE BEAM CAP CAST-IN-PLACE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **EFFLORESCENCE ENDS** MINOR HORIZONTAL CRACKS **ENDS OPEN PATCHES** THROUGHOUT LARGE **SCALING THROUGHOUT MODERATE** STEEL PILING H-SHAPE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT STRAIGHT WINGS REINFORCED CONCRETE **CAST-IN-PLACE**

MoDOT

October 01, 2024 3:52:35PM

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6401 BRIDGE: L0642 <u>MEASUREMENT</u> <u>COMMENT</u> CONDITION **LOCATION 2** SEVERITY LOCATION 1 TURNED BACK WINGS REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT COMMENT BACKWALL REINFORCED CONCRETE CAST-IN-PLACE <u>MEASUREMENT</u> <u>COMMENT</u> **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MODERATE **DELAMINATION** THROUGHOUT LEACHING THROUGHOUT MINOR REBAR EXPOSED THROUGHOUT **FEW SPALLS** THROUGHOUT **MODERATE** THROUGHOUT VERTICAL CRACKS **FEW EXPANSION BEARING** STEEL ROCKER **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> BOTTOM MINOR PACK RUST

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**

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

1 CST CHOUTEAU TRFY S

LANES DIRECTION OF TRAFFIC 2-WAY TRAF

RIGHT LATERAL CLEARANCE 6 FT 5 IN LEFT LATERAL CLEARANCE

<u>UR-ID</u> 14165

VERTICAL CLEARANCE TYPE**
ACTUAL

VALUE 16 FT 0 IN **DIRECTION**

DATE

COMMENT

STRUCTURE PAINT INFORMATION

CONDITION: F

FAIR

RUST AMOUNT: 6=1.0% OF SURFACE RUSTED

STEEL TONS: 60

ORIGINAL PAINT

CONTRACT REPAINT

DEPARTMENT REPAINT

PAINT TYPE: NAME: PAINT TYPE: C SYSTEM
NAME: INORGANIC ZINC/VINYL

NAME: PAINT COLOR:

PAINT TYPE:

MANUFACTURE: SURFACE PREP:

PAINT COLOR: PAINT YEAR:

MILS:

PAINT COLOR: GREEN **PAINT YEAR:** 1990

PAINT YEAR:

MILS: 7

MILS:

REQUESTED WORK ITEMS

Design_No = L0642

Page 6



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DATE:

COUNTY:	CLAY	DISTRICT: KC	CLASS: STATI	BR	FI	ED-ID: 6401	BRIDGE: L064	2	
GENERAL WORK COMMENTS	S:								
RESPONSIBILITY DISTRICT SPECIAL DISTRICT SPECIAL	LOCATION SEE COMMENT	ITEM REPLACE EXPANSION DEVICE SEAL DECK WITH IN DECK	CE EXPANSION DEVICE	PRIORITY 3 3	DATE 09/28/2020 04/03/2029	WORK ITEM COMM. (OTISL1, 10/01/2020)-		ON JOINTS & CHECK BEARIN	NGS UNDER JOINT
			***UTI	LITY ATTA	CHMENTS*	**			
<i>UTILITY</i> STRUCTURAL SIGN	OWNER	<i>METHOD</i> MOUNTED	MEASUREMENT TYPE	VALUE	NUM 1	BER UTILITY ATT	TACHMENT COMMENT		
			PROGRA	AM NOTES	INFORMAT	ION			
YEAR PROJECT# M	IONTH LET YEAR I	<u>et</u> <u>items</u>				COMMENT			
C	OMPUTER GENER	RATED RATINGS AND DEF	TICIENCY ITEMS				***ADVANCEI	SIGN INFORMATION*	**
NOTE: The items listed in this section	on are updated whenever of	computer edits are ran on a structure	after the inspection updates have	e been entered ir	n to TMS.	SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
Rated Item [Item 67] Structure Evaluation Rati [Item 68] Deck Geometry Rating: [Item 69] Underclearance: Sufficiency Rating: Deficiency:	ng: 5-BETTER 7-BETTER T 4-MEETS MI	Rating THAN MINIMUM THAN PRESENT MIN NIMUM TOLERABLE 77.8% DEFICIENT	Rating Date 1/19/2011 4/17/2002 4/17/2002 3/7/2024 4/17/2002			1		110022	
Funding Eligibility:							***OUTFALL INS	PECTION INFORMATIO	N***
Estimated New Structure Length:						# OUTEALL C.			11
Estimated Structure Cost:						# OUTFALLS:	11	SPECTOR:	

STATUS:

NOTES:

NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.

Year of Cost Estimate:

Estimated Total Project Cost:



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OUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6401 BRIDGE: L0642

Design_No = L0642



October 01, 2024 3:53:42PM

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6409 BRIDGE: L0655

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: CSTN BRIGHTON AVES** # **SPANS**: 4 PLACE CODE: 38000 KANSAS CITY CITY **DATE:** 09/04/2024 **RESPONSIBILITY: DISTRICT FEATURE: IS 35** LANES ON: 4 LENGTH: 261 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24 LANES UNDER: 4** STATUS: A-OPEN MAXIMUM SPAN: 70 FT 0 IN **TEAM LEADER:** TIMOTHY HAZLETT **ELEMENT: NO LOG MILE: 5.781 COMPASS DIRECTION:** SOUTH to NORTH APPROACH ROADWAY: 44 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR:** 1.00 MILES **DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB:** 44 FT 0 IN **INSPECTOR 3: OUT TO OUT: 58 FT 6 IN** NHS: NO FUNCTIONAL CLASS: UR-MINOR ARTERIAL ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1954 **NBI OWNER: MODOT AADT:** 4914 **GENERAL INSPECTION COMMENTS REHAB:** 1976 **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: KC LOCATION: S 32 T 51 R 32 W **AADT TRUCK: 5.0% LATITUDE:** 39 11 .84 (DMS) MAINTENANCE COUNTY: CLAY **FUTURE AADT: 7862 LONGITUDE:** 94 31 16.43 (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: FREOUENCY: **CALCULATED INTERVAL**: NBI**: 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**

MoDOT

Missouri Department of Transportation State Bridge Inspection Report

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CLASS: STATBR COUNTY: CLAY DISTRICT: KC FED-ID: 6409 **BRIDGE: L0655**

Ton 3:

STRUCTURE POSTING

APPROVED CATEGORY: S-1 NO POSTING REQUIRED

> **Ton 1: Ton 2:**

COMMENTS:

FIELD CATEGORY: S-1 NO POSTING REQUIRED

Ton 1: Ton 2:

COMMENTS:

PROBLEM: PROBLEM DIRECTION: **Ton 3:**

GENERAL COMMENTS/MAJOR RATED ITEMS

GENERAL COMMENTS: (BOWDEJ1, 09/30/2008)--(60'-70'-60') CONT WF GDR SPANS (RIVETED)

[ITEM 58] DECK: 8-VERY GOOD CONDITION **COMMENTS:** (OTISL1, 09/28/2016)--T CRACKS

RATING: 09/28/2016

[ITEM 59] SUPER: 7-GOOD CONDITION COMMENTS: (KIMM1, 10/02/2018)--LIGHT RUST W/ NO SECTION LOSS.

RATING: 10/02/2018

[ITEM 60] SUB: 6-SATISFACTORY CONDITION **COMMENTS:** (OTISL1, 09/28/2016)--REHAB

(OTISL1, 10/01/2020)--NONE **RATING:** 10/01/2020

(RAITHK, 08/23/2023)--DET SEALED OVER

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

RATING: 05/18/2001

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

RATING: 05/18/2001

EVALUATION TYPE:

REINFORCED CONCRETE

[ITEM 71] WATERWAY ADEQUACY: NOT APPLICABLE **COMMENTS:**

RATING: 05/18/2001

[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD **COMMENTS:**

RATING: 05/18/2001

RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS

COMMENTS

[ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 09/28/2016 **COMMENTS:**

DIRECTION MATERIAL CONSTRUCTION

> SIDEWALKS **BOTH**

CONDITION LOCATION 1

THROUGHOUT TRANSVERSE CRACKS

REINFORCED CONCRETE SAFETY BARRIER CURB **BOTH CONDITION**

LOCATION 1 **COLLISION DAMAGE** THROUGHOUT

VERTICAL CRACKS **THROUGHOUT**

GALVANIZED STEEL PEDESTRIAN FENCE **BOTH** **LOCATION 2**

LOCATION 2

SEVERITY

COMMENT

MODERATE (OTISL1, 10/01/2020)--NW CORNER

COMMENT

FEW

SEVERITY

FEW

[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0

RATING: 05/18/2001

COMMENTS:

MoDOT COUNTY: C

[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0

Missouri Department of Transportation State Bridge Inspection Report

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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6409 BRIDGE: L0655

RATING: 05/18/2001 **COMMENTS**:

[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0 RATING: 05/18/2001 COMMENTS:

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

MATERIALCONSTRUCTIONDIRECTIONCONDITION*COMMENTSASPHALTBITUMINOUS MATBOTHGOOD

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

DECK PROTECTIVE COMPONENTS:

<u>SERIES TYPE-#</u> <u>COMPONENT</u> <u>MATERIAL</u> <u>CONSTRUCTION</u> <u>THICKNESS</u> <u>YEAR APPLIED</u> <u>MANUFACTURE</u> <u>OVERALL CONDITION</u>
MAIN SERIES-1 WEARING SURFACE PLAIN CONCRETE MONOLITHIC

COMMENT:

DECK PROTECTION NOTAPPLICABLE NONE

COMMENT:

MEMBRANE NOTAPPLICABLE NONE

COMMENT:

SECONDARY DECK PROTECTION LIQUID SEALANT INTERNALLY SEALED 2024 SILANE

COMMENT:

DRAINAGE COMPONENTS:

<u>COMPONENT</u> <u>MATERIAL</u> <u>CONSTRUCTION</u> <u>DIRECTION</u> <u>COMMENTS</u>

EXPANSION DEVICE COMPONENTS:

SUB UNIT-#SUB LABELCOMPONENTMATERIALCONSTRUCTIONGAPYEAR APPLIEDMANUFACTUREOVERALL CONDITIONABUTMENT-1CLOSED EXPANSION JOINTELASTOMERICSTRIP SEALGOOD

COMMENT:

ABUTMENT-5 CLOSED EXPANSION JOINT ELASTOMERIC STRIP SEAL GOOD

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS:

COMPONENTMATERIALCONSTRUCTIONDIRECTIONCOMMENTSSLOPE PROTECTIONPLAIN CONCRETEPAVEDSLOPEBOTH(HANSEC1, 01/31/2007)--N. SLOPE, 5 PANELS CAVED IN

DECK COMPONENTS

<u>SPAN TYPE-#</u> <u>COMPONENT</u> <u>MATERIAL</u> <u>CONSTRUCTION</u> <u>COMMENTS</u>

MAIN SPANS-1 DECK REINFORCED CONCRETE CAST-IN-PLACE

<u>CONDITION</u> <u>LOCATION 1</u> <u>LOCATION 2</u> <u>SEVERITY</u> <u>MEASUREMENT</u> <u>COMMENT</u>

EFFLORESCENCE OVERHANGS LIGHT

Design_No = L0655

Page 3

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6409 BRIDGE: L0655

TRANSVERSE CRACKS THROUGHOUT FEW MAIN SPANS-2 REINFORCED CONCRETE DECKCAST-IN-PLACE **CONDITION SEVERITY** LOCATION 1 LOCATION 2 **MEASUREMENT COMMENT** TRANSVERSE CRACKS THROUGHOUT MANY MAIN SPANS-3 DECK REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 2 SEVERITY **LOCATION 1 MEASUREMENT COMMENT** TRANSVERSE CRACKS THROUGHOUT MANY MAIN SPANS-4 DECKREINFORCED CONCRETE CAST-IN-PLACE <u>SEVERITY</u> **CONDITION** LOCATION 1 LOCATION 2 **MEASUREMENT COMMENT** TRANSVERSE CRACKS THROUGHOUT MANY ***SUPERSTRUCTURE COMPONENTS*** CONSTRUCTION SERIES TYPE-# SPAN TYPE MATERIAL **LABEL COMMENTS** MAIN SERIES-1 CONTINUOUS SPAN STEELWIDE FLANGE GIRDERS **COMPOSITE INDICATOR WEATHERING STEEL COMMENTS LENGTH** *SPAN* MAIN SPANS-1 COMPOSITE 60 FT 7 IN NO **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY MEASUREMENT COMMENT BOTTOM FLANGE** LIGHT **RUSTING RUSTING** THROUGHOUT LIGHT MAIN SPANS-2 COMPOSITE 70 FT 0 IN NO **SEVERITY MEASUREMENT CONDITION** LOCATION 1 **LOCATION 2 COMMENT RUSTING BOTTOM FLANGE** LIGHT **RUSTING** THROUGHOUT LIGHT MAIN SPANS-3 COMPOSITE 70 FT 0 IN NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT RUSTING BOTTOM FLANGE** LIGHT **RUSTING** THROUGHOUT LIGHT MAIN SPANS-4 COMPOSITE 60 FT 7 IN NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT RUSTING BOTTOM FLANGE** LIGHT LIGHT **RUSTING** THROUGHOUT ***SUBSTRUCTURE COMPONENTS*** **SUBSTRUCTURE** SKEW **LENGTH** CONSTRUCTION LABEL **COMMENTS MATERIAL** ABUTMENT-1 RA-41 DEGREES 77 FT 3 IN REINFORCED CONCRETE **OPEN CONCRETE** (OTISL1, 10/09/2018)--EPOXY SEALED **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT **PATCHES** THROUGHOUT MANY **RUST STAINS** THROUGHOUT **MINOR**

Design No = L0655

MODOT

COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6409 BRIDGE: L0655 CAST-IN-PLACE COLUMN REINFORCED CONCRETE **CONDITION SEVERITY** MEASUREMENT COMMENT LOCATION 1 LOCATION 2 STRAIGHT WINGS REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT TURNED BACK WINGS REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> FOOTING REINFORCED CONCRETE SPREAD **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** BACKWALL REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **SPALLS THROUGHOUT FEW EXPANSION BEARING** STEEL **ROCKER LOCATION 2 SEVERITY** MEASUREMENT COMMENT **CONDITION LOCATION 1 RUSTING THROUGHOUT** LIGHT BENT-2 RA-41 DEGREES 70 FT 2 IN REINFORCED CONCRETE MULTIPLE COLUMN **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 DELAMINATION THROUGHOUT **MINOR FEW VERTICAL CRACKS** THROUGHOUT **COLUMN** REINFORCED CONCRETE CAST-IN-PLACE SEVERITY **CONDITION** LOCATION 1 LOCATION 2 MEASUREMENT **COMMENT DELAMINATION MINOR BOTTOM PATCHES** THROUGHOUT MANY VERTICAL CRACKS THROUGHOUT FEW **FOOTING** REINFORCED CONCRETE SPREAD **CONDITION LOCATION 1 LOCATION 2 SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> **EXPANSION BEARING** STEEL **ROCKER** LOCATION 1 LOCATION 2 **SEVERITY CONDITION** MEASUREMENT COMMENT BENT-3 RA-41 DEGREES 70 FT 2 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE **CAST-IN-PLACE SEVERITY CONDITION** LOCATION 1 **LOCATION 2** MEASUREMENT COMMENT **DELAMINATION THROUGHOUT MINOR SPALLS ENDS MINOR** VERTICAL CRACKS **THROUGHOUT FEW** COLUMN REINFORCED CONCRETE **CAST-IN-PLACE CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** MEASUREMENT COMMENT **DELAMINATION MODERATE THROUGHOUT** FOOTING REINFORCED CONCRETE SPREAD **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT EXPANSION BEARING** STEEL **ROCKER** LOCATION 2 **CONDITION LOCATION 1 SEVERITY** MEASUREMENT COMMENT BENT-4 RA-41 DEGREES 70 FT 2 IN REINFORCED CONCRETE MULTIPLE COLUMN **SEVERITY CONDITION** LOCATION 1 **LOCATION 2** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION**

MoDOT

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Missouri Department of Transportation State Bridge Inspection Report CLASS: STATER

COUNTY: CLAY	DISTRICT, VC	CI ACC. CTATED	-	D. 6400	DDIDCE, 1 0/55
	DISTRICT: KC	CLASS: STATBR	reu-i	D: 6409	BRIDGE: L0655
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CEL ED ION	145 464 554 554	CONCENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATION	ENDS		MINOR		
VERTICAL CRACKS	THROUGHOUT	CACT DI DI ACE	FEW		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	CELEDITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
DELAMINATION	BOTTOM REINFORCED CONCRETE	CDDEAD	MINOR		
FOOTING <u>CONDITION</u>	REINFORCED CONCRETE <u>LOCATION 1</u>	SPREAD <i>LOCATION 2</i>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
		ROCKER	<u>SEVENII I</u>	MEASUREMENT	<u>COMMENT</u>
EXPANSION BEARING <u>CONDITION</u>	STEEL <i>LOCATION 1</i>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
TIPPED	THROUGHOUT	<u>LOCATION 2</u>	MODERATE	MEASUREMENT	<u>COMMENT</u>
ПРРЕД	THROUGHOUT		MODERALE		
		0.000.000.000.000			
	FT 3 IN REINFORCED CONCRETE	OPEN CONCRETE	CELEBIAN	ME (CUDENCE)	COMMENT
CONDITION AGGO CLUTTED COMPONENT	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CELEDITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
SEALED VERTICAL CRACKS	BEAM CAP THROUGHOUT		EPOXY FEW		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	ΓEW		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE	<u>SEVERITI</u>	MEASUREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
TURNED BACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE	<u>SEVERITI</u>	MEASUREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
FOOTING	REINFORCED CONCRETE	SPREAD	<u>SEVERITI</u>	MENSCREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
BACKWALL	REINFORCED CONCRETE	CAST-IN-PLACE	<u>SEVERITI</u>	MENSCREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
DELAMINATION	THROUGHOUT	<u>Boomion 2</u>	LARGE	MENSCREMENT	COMMENT
SPALLS	THROUGHOUT		FEW		
EXPANSION BEARING	STEEL	ROCKER	1111		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
RUSTING	BOTTOM		LIGHT		
	<i>*</i>	*OVER/UNDER ROUTES CL	EADANCE INFOI	OMATION***	
	**	"UVEK/UNDEK KUUTES CL	LAKANCE INFUR	AMAHUN"""	

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

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CLASS: STATBR COUNTY: CLAY DISTRICT: KC FED-ID: 6409 **BRIDGE: L0655**

CLEARANCES UNDER BRIDGE **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance. RECORD# **DIRECTION OF TRAFFIC** RIGHT LATERAL CLEARANCE **ROUTE** # LANES

11 FT 11 IN 2 1-WAY TRAF

LEFT LATERAL CLEARANCE **UR-ID** 14184 13 FT 10 IN

VERTICAL CLEARANCE TYPE DIRECTION DATE COMMENT VALUE**

ACTUAL 17 FT 0 IN

LANES **DIRECTION OF TRAFFIC** RIGHT LATERAL CLEARANCE LEFT LATERAL CLEARANCE **ROUTE** UR-ID 14185 IS 35 N 2 1-WAY TRAF 11 FT 11 IN 13 FT 10 IN

VERTICAL CLEARANCE TYPE DIRECTION DATE COMMENT VALUE**

ACTUAL 17 FT 4 IN

STRUCTURE PAINT INFORMATION

CONDITION: FAIR RUST AMOUNT: 5=3.0% OF SURFACE RUSTED STEEL TONS: 174

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

PAINT TYPE: MANUFACTURE: PAINT TYPE: B SYSTEM **PAINT TYPE:** G SYSTEM **NAME:** BASIC LEAD CHROMIUM NAME: ZINC/EPOXY/ACRYLIC NAME: **SURFACE PREP:**

PAINT COLOR: PAINT COLOR: ALUMINUM **PAINT COLOR:** GRAY **PAINT YEAR:** PAINT YEAR: 1978 PAINT YEAR: 2016

MILS: MILS: 5MILS:

REQUESTED WORK ITEMS

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

DISTRICT SPECIAL ROADWAY SURFACE SEAL WITH SILANE DECK 06/03/2030 3

UTILITY ATTACHMENTS

UTILITY **OWNER METHOD MEASUREMENT TYPE** UTILITY ATTACHMENT COMMENT **VALUE NUMBER MOUNTED**

STRUCTURAL SIGN LIGHTING **MOUNTED**

PROGRAM NOTES INFORMATION

MONTH LET YEAR LET **ITEMS COMMENT YEAR** PROJECT#

REPLACE DECK, SUBSTRUCTURE REPAIR 2016

Design No = L0655

GENERAL WORK COMMENTS:

MoDOT

RECORD#

IS 35 S



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COUNTY: CLAY DISTRICT: KC CLASS: STATBR FED-ID: 6409 BRIDGE: L0655

COUNTY: CLAY	DISTRICT: KC	CLASS: STATBR	FED-1D: 6409	BRIDGE: LU655			
COMPL	UTER GENERATED RATINGS AND I	DEFICIENCY ITEMS	***ADVANCED SIGN INFORMATION***				
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.			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:	2-BASICALLY INTOLRBLE REQ	10/27/2015					
[Item 69] Underclearance:	5-BETTER THAN MINIMUM	1/19/2022					
Sufficiency Rating:	77.4%	1/19/2022					
Deficiency:	FUNCTIONAL	10/6/2020					
Funding Eligibility:	PARTIAL			***OUTFALL INSPI	ECTION INFORMATIO	N***	
Estimated New Structure Length:	217 FT.						
Estimated Structure Cost:	\$2,005,799		# OUTFALLS:	INS	PECTOR:		
Estimated Total Project Cost:	\$3,008,699		STATUS:		DATE:		
Year of Cost Estimate:	2024		NOTES:				
NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.							