

INDEX						
PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION	CONTRACT NO.
FT-F-95(1)	41-86-5923	CONTINUOUS PRESTRESSED I-BEAM	37'-0", 37'-0", 37'-0"	NAMELESS CREEK	680+65.0 LINE 3"	
SHEET NO.	SHEET DESIGNATION	SUBJECT				S.P.R. APPROVAL
1		TITLE SHEET				
2		SOIL BORINGS				
3	C1	LAYOUT				
4	C2	GENERAL PLAN				
5	C3	PIER NO. 1 & NO. 4 DETAILS				
6	C4	PIER NO. 2 & NO. 3 DETAILS				
7-9	C5-C7	SUPERSTRUCTURE DETAILS				
10	CP	SCREED SHEET				
11		SUMMARY SHEET				
11A		BRIDGE ESTIMATE OF QUANTITIES				

STATE OF INDIANA
INDIANA STATE HIGHWAY COMMISSION

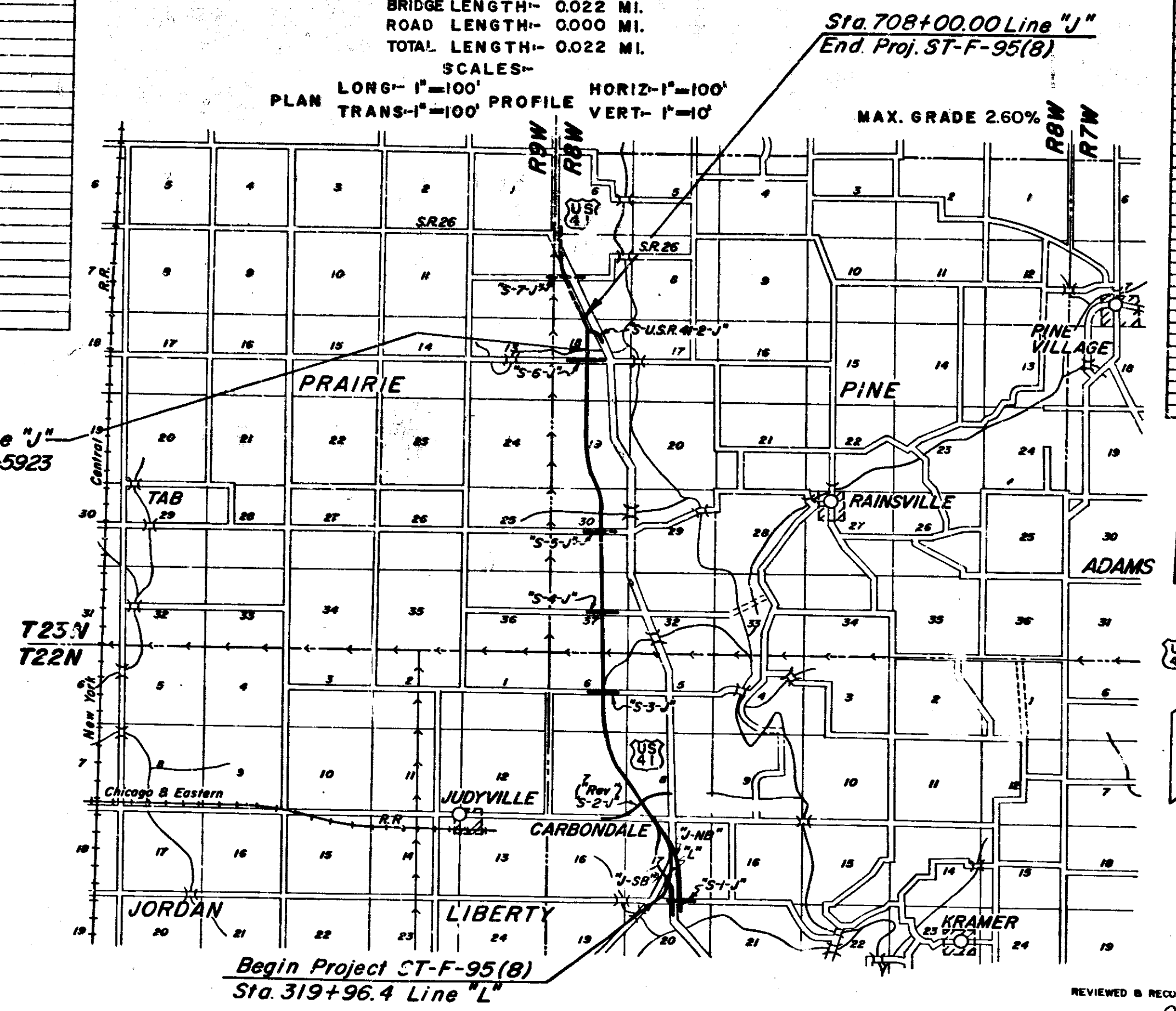
BRIDGE PLANS FOR SPANS OVER 20 FEET WARREN COUNTY PROJECT

ST-F-95 (8) P.E.
FT-F-95 (9) R/W
FT-F-95 (1) C/W

Commencing At A Point Approximately 2,460 Feet East Of And 2015 Feet South Of The Northwest Corner Of Section 18, Township 23 North, Range 8 West In Warren County And Running In A Northerly Direction For A Distance Of 117.5 Feet To A Point Approximately 2,460 Feet East Of And 1,897 Feet South Of The Northwest Corner Of Section 18, Township 23 North, Range 8 West, All In Warren County.

BRIDGE LENGTH- 0.022 MI.
ROAD LENGTH- 0.000 MI.
TOTAL LENGTH- 0.022 MI.

SCALES-
PLAN LONG- 1"=100'
TRANS- 1"=100'
PROFILE HORIZ- 1"=100'
VERT- 1"=10'



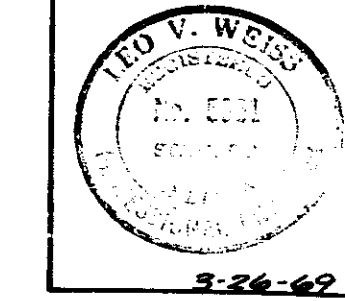
BRIDGES OVER 20' SPAN					
PUBLIC ROAD NUMBER	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	FT-F-95(1)	1989	1	21

INDEX CONTINUED STANDARD DRAWINGS					
SHEET NO.	SHEET DESIGNATION	SUBJECT	S.P.R. APPROVAL	ADDITIONAL	REVISIONS
12	BRIDGE STD. C1	MISCELLANEOUS DETAILS			
12A	BRIDGE STD. C2	MISCELLANEOUS DETAILS			
BRIDGE STD. C3	CASTING DETAILS	ROADWAY DRAIN			
BRIDGE STD. C4	ROADWAY DRAIN	OUTLET DETAILS			
BRIDGE STD. C5	TYPICAL BEAM	GUARD RAIL DETAILS			
BRIDGE STD. C6	TYP. DETAILS OF THICK PAVEMENT	& LOC. TOE OF SL. AND NO. END BENTS			
BRIDGE STD. C7	TYP. DETAILS OF THICK PAVEMENT	& LOCATING TOE OF SLOPE			
BRIDGE STD. C8	CONT. STEEL BEAM-TYP APPROACH DETAILS-TWIN STRUCTURES				
BRIDGE STD. C9	ST. BEAM & P.C. GIRDER-TYP APPROACH DETAILS-TWIN STRUCTURES				
BRIDGE STD. C10	CONT. STEEL BEAM-TYP APPROACH DETAILS-TWO LANE STRUCTURES				
BRIDGE STD. C11	MISCELLANEOUS APPROACH DETAILS				
BRIDGE STD. C12	MISCELLANEOUS APPROACH DETAILS				
BRIDGE STD. C13	MISCELLANEOUS APPROACH DETAILS				
BRIDGE STD. C14	R.C. BRIDGE APPROACH TURNOUT DETAILS-12' 6" SHOULDERS				
BRIDGE STD. C15	SLOPEWALL AND DRAINAGE DETAILS				
BRIDGE STD. C16	STANDARD CONCRETE PILE DETAILS				
BRIDGE STD. C17	PRESTRESSED CONCRETE TYPE 1 BEAMS		4-18-62	A-18-62	
BRIDGE STD. C18	ELASTOMERIC BEARING PAD DETAILS				
BRIDGE STD. C19	TOLERANCES FOR FABRICATION OF PRESTRESSED BEAMS		8-14-63	B-14-63	
BRIDGE STD. C20	ALUMINUM BRIDGE RAILING DETAILS				
BRIDGE STD. C21	STEEL BRIDGE RAILING DETAILS				
BRIDGE STD. C22	STEEL BRIDGE RAILING DETAILS				
BRIDGE STD. C23	MISCELLANEOUS DETAILS				
BRIDGE STD. C24	STANDARD TEMPORARY BRIDGE		1-17-72	B-17-72	
BRIDGE STD. C25	STANDARD TEMPORARY BRIDGE				
BRIDGE STD. C26	STANDARD PAVEMENT				
BRIDGE STD. C27	MISCELLANEOUS STANDARDS		3-7-72	B-7-72	
BRIDGE STD. C28	MISCELLANEOUS STANDARDS				
BRIDGE STD. C29	MISCELLANEOUS STANDARDS				
BRIDGE STD. C30	MISCELLANEOUS STANDARDS				
BRIDGE STD. C31	MISCELLANEOUS STANDARDS				
BRIDGE STD. C32	MISCELLANEOUS STANDARDS				
BRIDGE STD. C33	MISCELLANEOUS STANDARDS				
BRIDGE STD. C34	MISCELLANEOUS STANDARDS				
BRIDGE STD. C35	MISCELLANEOUS STANDARDS				
BRIDGE STD. C36	MISCELLANEOUS STANDARDS				
BRIDGE STD. C37	MISCELLANEOUS STANDARDS				
BRIDGE STD. C38	MISCELLANEOUS STANDARDS				
BRIDGE STD. C39	MISCELLANEOUS STANDARDS				
BRIDGE STD. C40	MISCELLANEOUS STANDARDS				
BRIDGE STD. C41	MISCELLANEOUS STANDARDS				
BRIDGE STD. C42	MISCELLANEOUS STANDARDS				
BRIDGE STD. C43	MISCELLANEOUS STANDARDS				
BRIDGE STD. C44	MISCELLANEOUS STANDARDS				
BRIDGE STD. C45	MISCELLANEOUS STANDARDS				
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BRIDGE STD. C72	MISCELLANEOUS STANDARDS				
BRIDGE STD. C73	MISCELLANEOUS STANDARDS				
BRIDGE STD. C74	MISCELLANEOUS STANDARDS				
BRIDGE STD. C75	MISCELLANEOUS STANDARDS				
BRIDGE STD. C76	MISCELLANEOUS STANDARDS				
BRIDGE STD. C77	MISCELLANEOUS STANDARDS				
BRIDGE STD. C78	MISCELLANEOUS STANDARDS				
BRIDGE STD. C79	MISCELLANEOUS STANDARDS				
BRIDGE STD. C80	MISCELLANEOUS STANDARDS				
BRIDGE STD. C81	MISCELLANEOUS STANDARDS				
BRIDGE STD. C82	MISCELLANEOUS STANDARDS				
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BRIDGE STD. C85	MISCELLANEOUS STANDARDS				
BRIDGE STD. C86	MISCELLANEOUS STANDARDS				
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BRIDGE STD. C88	MISCELLANEOUS STANDARDS				
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BRIDGE STD. C98	MISCELLANEOUS STANDARDS				
BRIDGE STD. C99	MISCELLANEOUS STANDARDS				
BRIDGE STD. C100	MISCELLANEOUS STANDARDS				

TRAFFIC DATA		
A.D.T. (1970)	6,590	V.P.D.
A.D.T. (1980 PROJECTED)	11,260	V.P.D.
D.V.V. (1980 PROJECTED)	1,350	V.P.H.
TRUCKS	21	%
DESIGN SPEED	70	M.P.H.
ACCESS CONTROL	PARTIAL	

Plans Prepared
By
Engineer Associates, Inc.
425 S. THIRD AVE. EVANSVILLE, IND.

Leo V. Weiss
RE. No. 2961

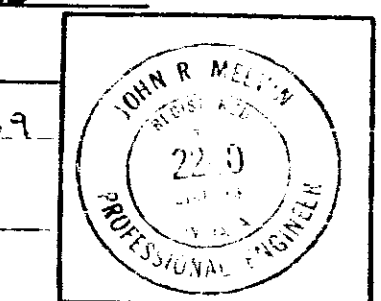


APPROVED 5-21-69

J. H. Robertson
STATE HIGHWAY ENGINEER - INDIANA STATE HIGHWAY COMMISSION

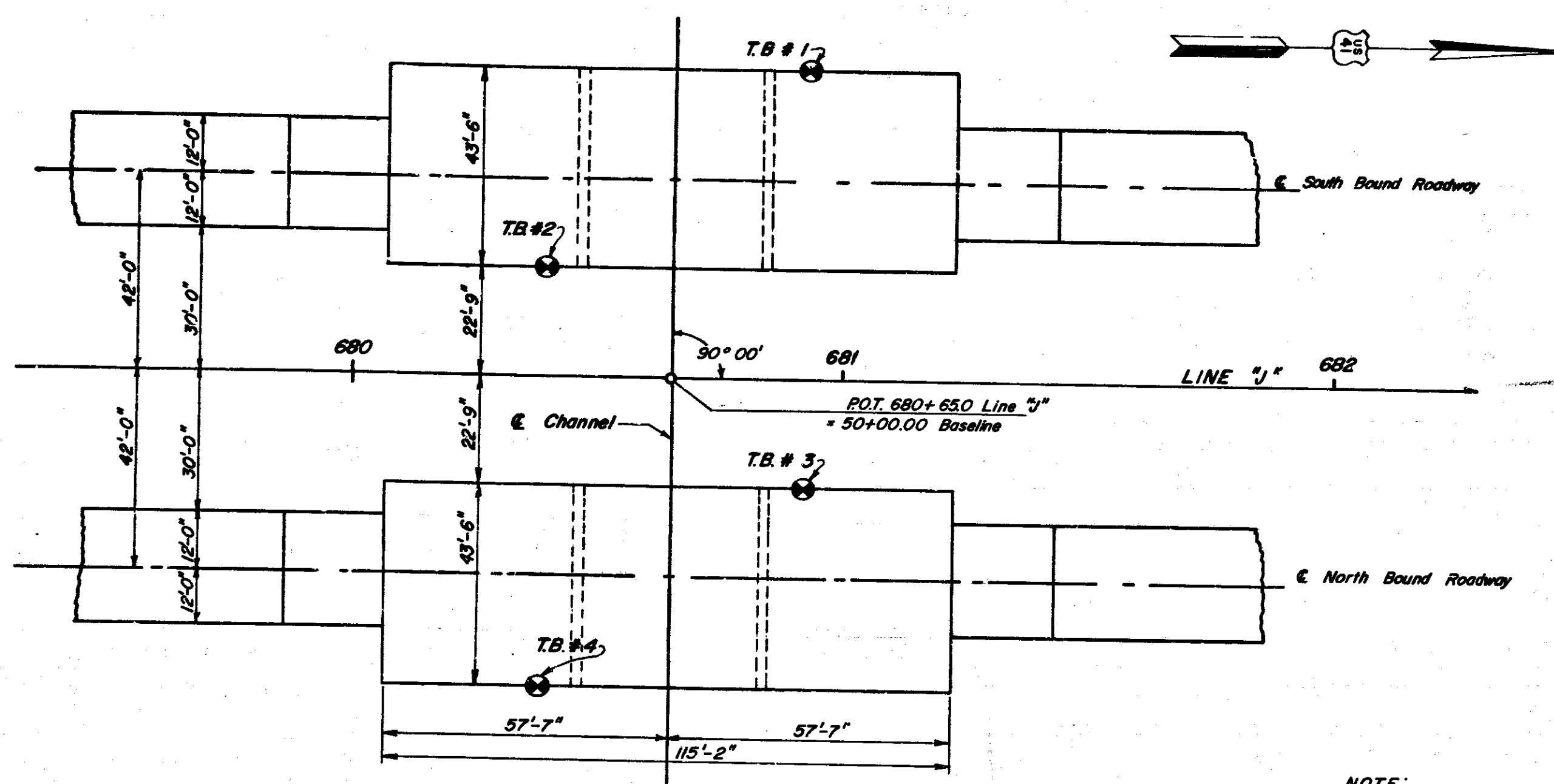
REVISIONS	
DATE	SHEET NO.
5-11-73	1, 2 thru 11, 12, 14, 16 thru 21, 11A, 12A, 21A AND 21B ADDED
9-18-73	1, 2, 5, 8, 9, 11A, 16, 17, 18, 19

REVIEWED & RECOMMENDED FOR APPROVAL 5/9/69
J. H. Robertson
ASSISTANT ENGINEER OF PLANS & SPECIFICATIONS
RECOMMENDED FOR APPROVAL 5-16-69

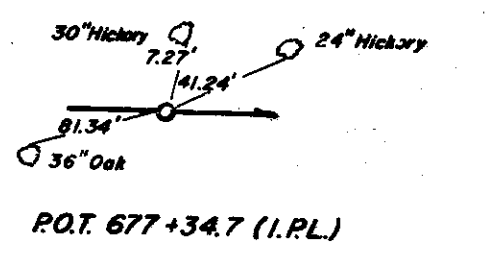


DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED: _____
DIVISION ENGINEER DATE

PUBLIC ROAD	STATE	FILE NO.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	IND	FT-F-95(II)	1989	2	21



NOTE:
N indicates the number of blows required to drive a 2" O.D. sampler thru 6 in. with a 140 # hammer falling 30"



BORING PLAN
Scale 1" = 20'

BORING No. 1 STATION 680+92 OFFSET 60' LI SURFACE ELEV 674.6				BORING No. 2 STATION 680+38 OFFSET 23' RI SURFACE ELEV 676.0				BORING No. 3 STATION 680+92 OFFSET 23' RI SURFACE ELEV 675.4				BORING No. 4 STATION 680+38 OFFSET 65' RI SURFACE ELEV 681.4			
Elev	N	Depth	Description	Elev	N	Depth	Description	Elev	N	Depth	Description	Elev	N	Depth	Description
674.6			SURFACE	676.0			SURFACE	675.4			SURFACE	681.4			SURFACE
672.1	2	2.5	Dark Gray Silty Clay With Gravel And Sand Layers, Very Moist - Soft	671.0	1	5	Dark Brown Clayey Sand, Some Gravel, Moist - Loose	672.9	2	2.5	Dark Brown Clayey Sand And Gravel, Moist - Loose	678.9	3	2.5	Dark Brown And Gray Sandy Clay, Moist - Medium Stiff
669.6	7	5	Gray Sandy Silty Clay With Gravel, Moist - Stiff	668.5	6	7.5	Gray Fine To Coarse Sand, Wet - Medium Dense	670.4	4	5	Brown Sandy Silty Clay, Moist - Medium Stiff	676.4	4	5	Brown Sandy Silty Clay, Moist - Medium Stiff
667.1	12	7.5	Gray Fine To Coarse Sand And Gravel With Clay Layers, Wet - Medium Dense	663.5	8	12.5	Gray Sandy Silty Clay With Gravel, Moist - Stiff	667.9	1	7.5	Brown Fine To Coarse Sand, Some Gravel, Wet - Loose To Loose	673.9	10	7.5	Brown And Gray Sandy Silty Clay With Gravel, Moist - Medium Stiff
664.6	19	10	Gray Sandy Silty Clay With Gravel, Moist - Hard	661.0	12	15	Gray Sandy Silty Clay With Gravel And Sand Layers, Moist - Hard	665.4	15	20	Gray Silty Fine To Coarse Sand And Fine Gravel, Wet - Dense	671.4	17	10	Brown And Gray Sandy Silty Clay With Gravel, Moist - Medium Stiff
662.1	10	12.5	Gray Sandy Silty Clay With Gravel, Moist - Hard	658.5	5	17.5	Gray Sandy Silty Clay With Gravel And Sand Layers, Moist - Stiff	655.4	15	20	Gray Silty Fine To Coarse Sand And Fine Gravel, Wet - Dense	668.9	13	12.5	Brown And Gray Sandy Silty Clay With Gravel, Moist - Hard
657.1	9	17.5	Gray Sandy Silty Clay With Gravel And Sand Layers, Moist - Stiff	651.0	14	25	Gray Sandy Silt With Sand Layers, Wet - Medium Dense To Dense	650.4	25	25	Gray Silty Fine Sand, Wet - Very Dense	666.9	13	12.5	Brown Fine To Coarse Sand, Some Gravel, Moist - Dense
654.6	17	20	Gray Silty Fine To Coarse Sand And Gravel, Wet - Medium Dense	646.0	28	30	Gray Sandy Silty Clay With Gravel And Sand Layers, Moist - Hard	647.4	17	28.5	Gray Sandy Silty Clay With Gravel, Moist - Hard	661.4	10	20	Gray Fine To Coarse Sand And Gravel, Wet - Medium Dense
648.6	11	29	Gray Silty Fine Sand, Wet - Dense	644.5	25	31.5	Gray Sandy Silty Clay With Gravel, Moist - Hard	646.9	17	28.5	Gray Silty Fine To Coarse Sand And Fine Gravel, Wet - Dense	656.4	20	25	Gray Fine To Coarse Sand, Some Gravel, Wet - Medium Dense
645.6			END OF BORING				END OF BORING	644.4	44	40	Gray Sandy Silty Clay With Gravel, Moist - Hard	651.4	30	30	Gray Sandy Silty Clay With Gravel, Moist - Hard
634.6	29	40	Gray Sandy Silt, Moist - Very Dense					641.4	44	40	Boulder	646.4	22	35	Gray Sandy Silty Clay With Gravel And Sand Layers, Moist - Hard
629.6	30	45	Gray Silty Clay With Sand Layers, Moist - Very Dense					631.4	80	44	Gray Fine Sand, Wet - Dense To Very Dense	641.4	44	40	Gray Sandy Silty Clay With Gravel, Moist - Hard
626.6	28	48	Gray Fine Sand, Moist - Very Dense					636.4	45	45		641.4	44	40	Gray Sandy Silt, Wet - Very Dense
624.6	35	50	END OF BORING					624.4	22	50	END OF BORING	636.4	45	45	Gray Silty Clay With Sand Layers, Moist - Hard
												621.4	35	50	END OF BORING

BORING LOGS
PROPOSED BRIDGE AT "NAMELESS" CREEK

SOIL BORINGS
SCALE: - HORIZ: 1" = 20', VERT: 1" = 10'

SUBMITTED FOR APPROVAL *Leo V. Weiss*

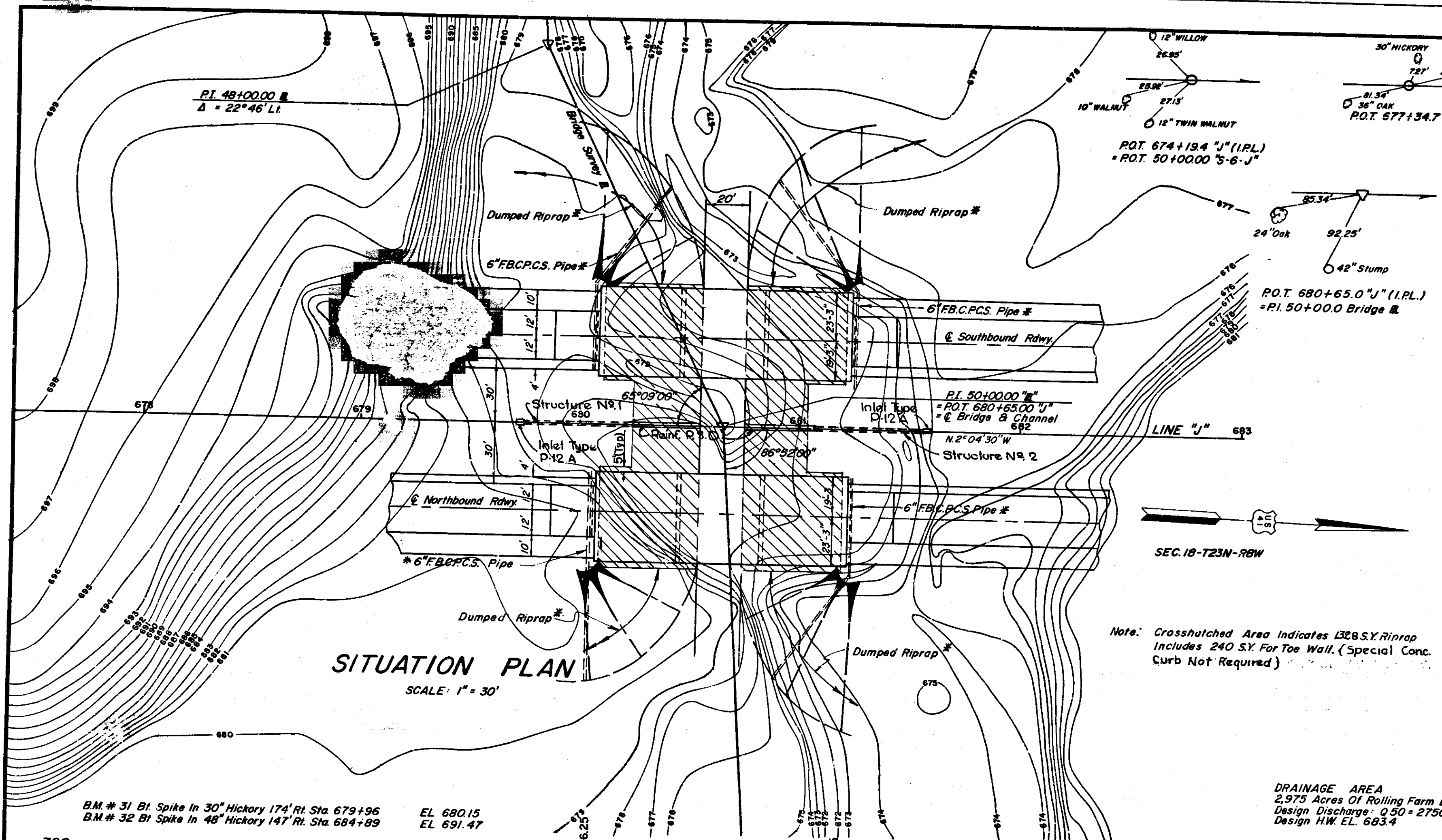
PROJECT: FT-F-95 (II)

CONTRACT NO. R-9569

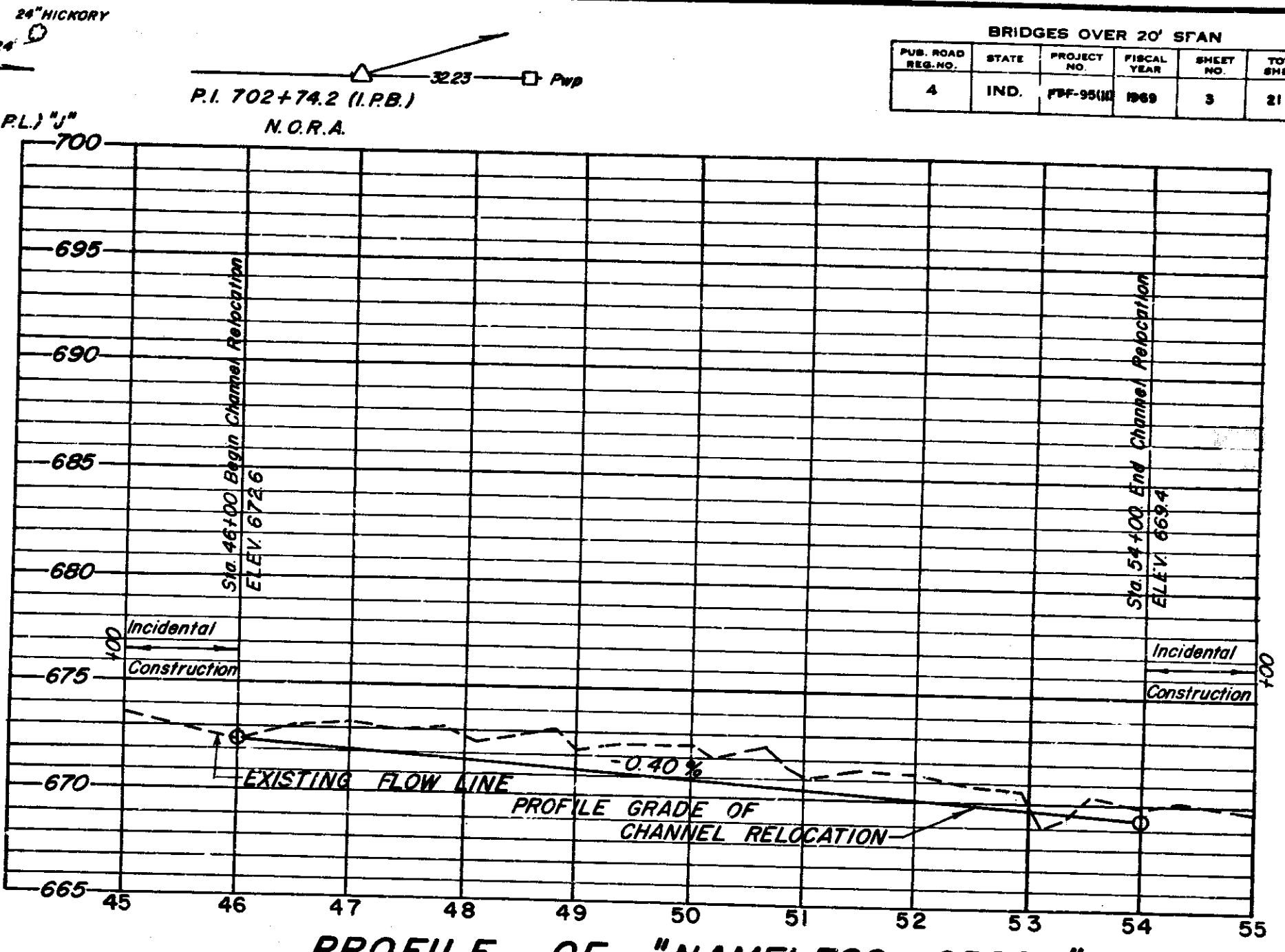
BRIDGE FILE: 41-86-5923

1969
LEO V. WEISS
REGISTERED
No. 5561
ENGINEER

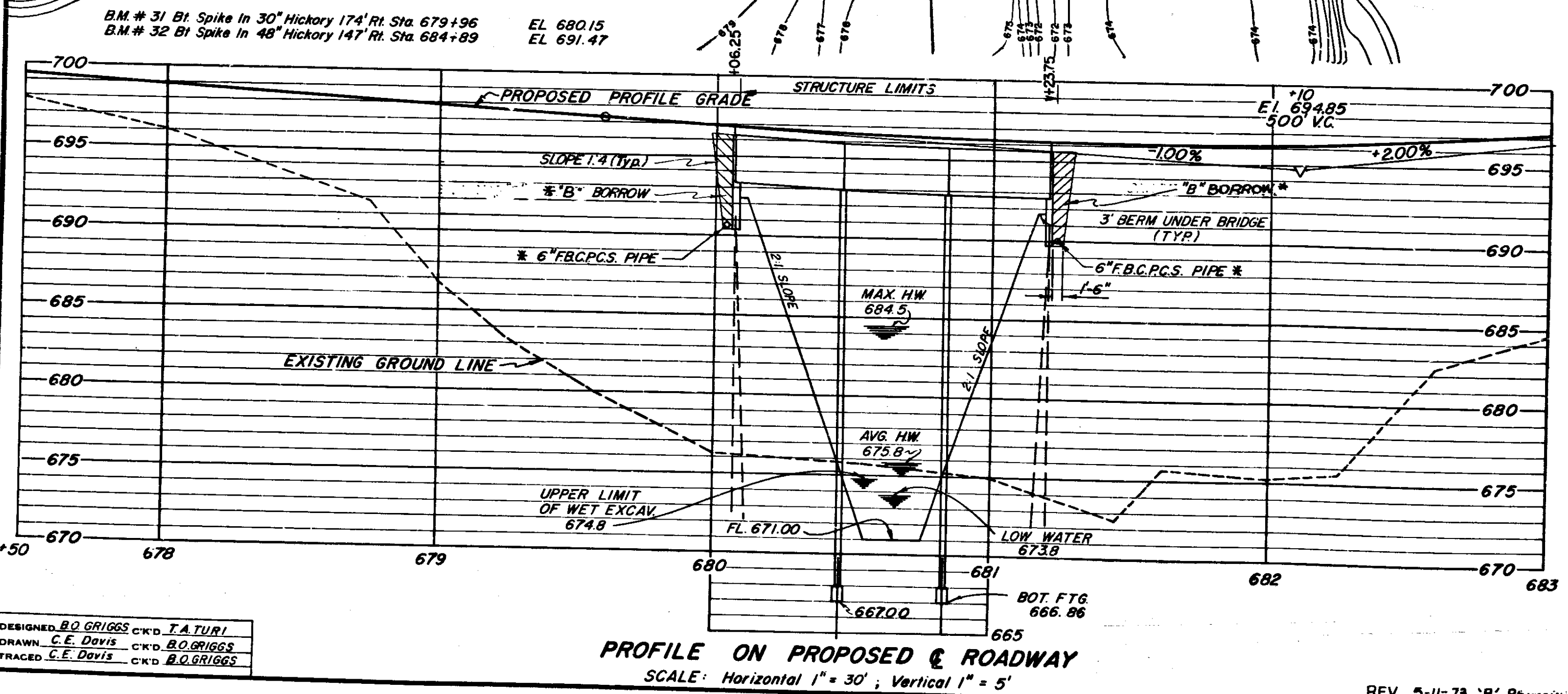
BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	FT-F-95(II)	1969	3
				21



SITUATION PLAN
SCALE: 1" = 30'



PROFILE OF "NAMELESS CREEK"
SCALES: Horizontal 1" = 100'; Vertical 1" = 5'



PROFILE ON PROPOSED & ROADWAY
SCALE: Horizontal 1" = 30'; Vertical 1" = 5'

DRAINAGE AREA
2,975 Acres Of Rolling Farm Land
Design Discharge - 0.50 - 2750 C.F.S.
Design H.W. EL. 683.4

CHANNEL SECTION

LAYOUT
CONTINUOUS PRESTRESSED CONCRETE I BEAM BRIDGE
3 SPANS: 37'-0", 37'-0", 37'-0"
TWIN STRUCTURES
TWO 40'-0" ROADWAYS
LINE "J" OVER NAMELESS CREEK

INDIANA STATE HIGHWAY COMMISSION
WARREN COUNTY

SCALE: AS SHOWN

SUBMITTED FOR APPROVAL

Leo V. Weiss

1969

DRAWING: C1 OF 8
PROJECT: FT-F-95(II)
CONTRACT NO. R-9569
BRIDGE FILE: 41-86-5923



DESIGNED: B.O. GRIGGS C.R.D. T.A. TURI
DRAWN: C.E. DAVIS C.R.D. B.O. GRIGGS
TRACED: C.E. DAVIS C.R.D. B.O. GRIGGS

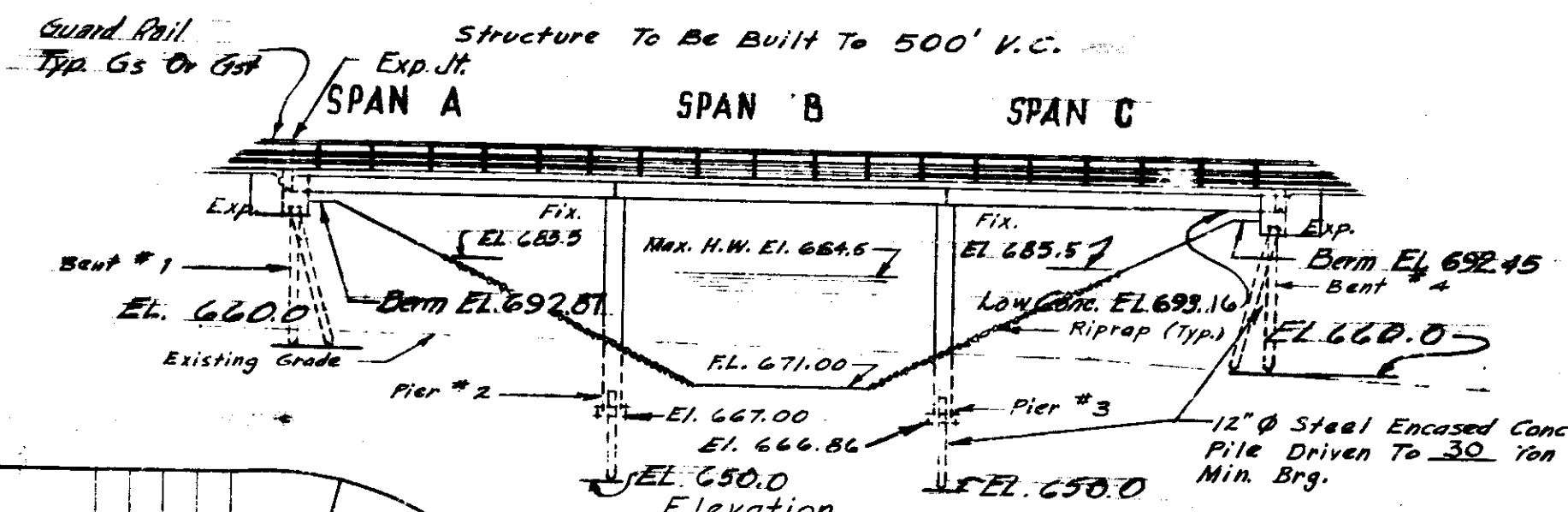
NOTE: Field Notes For Bridge & Roadway Survey Are In Book No. BR-2102
See Art. 102.05 Of Specifications Regarding Boring Data.

* Items Indicated In This Manner Are Road Items

REV. 5-11-73, 'B' Borrow, Note.

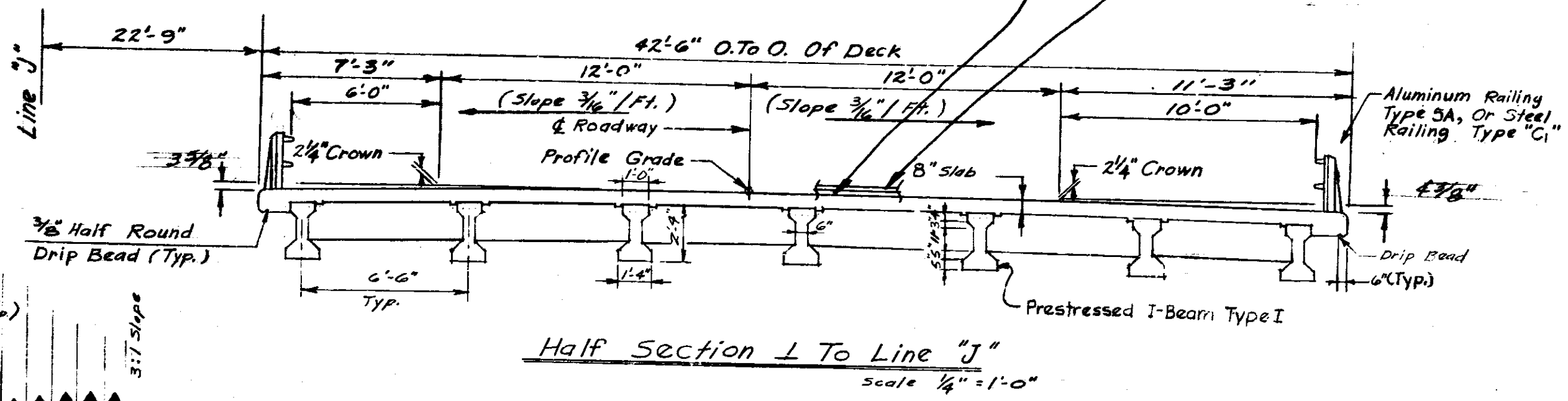
November 6, 1961

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
7-58(1)	"J"	3	21	



165#/syd. H.A.C. Surface Type "B"
 over 50#/syd. H.A.C. Surface Type "D"
 or 165#/syd. H.A.E. Surface Type III
 over 50#/syd. H.A.E. Surface Type IV
 Waterproof sheet membrane

BRIDGES OVER 20' SPAN					
PUB. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
4	IND.	FT-K-150	1969	4	21



Half Section L To Line "J"
 Scale 1/4" = 1'-0"

** To be paid for as Bituminous Mixture for Approaches

GENERAL NOTES

Piles shall have minimum bearing value shown on detail drawings. Determine pile lengths by Art. 701. For details of steel encased concrete piles see Bridge Standard C1, and applicable articles in the specifications. Piles shall be driven to elevation shown on plans or below it necessary to obtain desired bearing. Reinforcing steel covering shall be 2 inches in top and 1" minimum in bottom of floor slabs and 2" in all other parts unless noted. Concrete in footings to be class "B." Concrete in superstructure and bent caps to be class "A." Concrete in steel encased concrete piles and paved side ditches to be class "A." Continuous concrete floors shall be required between construction joints as shown on details. Bevel forms 1/4" under copings, and chamfer exposed edges 1/4 inch unless noted. Construct riprap at locations as shown on layout. Tolerance in position of pile head, maximum 2 inches. All railing posts to be constructed perpendicular to grade. See special provisions for items included in this contract. Only the end bent caps, front face of midwalls, face of diaphragms, face of deck coping, and underside of the bridge floor from coping to face of outside beam, outside face of exterior concrete beams to be sealed in accordance with Article 702-20 of the specifications. For pay items covering this structure see Bridge Estimate of Quantities. See special provisions for items included in this contract.

STANDARD DRAWINGS

Bridge	Road	Purpose
C3		Type "A" Construction Joint
		Inlet Type P-12A
C1		Splicing Pile Shells in Field, Bar Bending Details
		Test Bar Samples, Reinforcing Bar Notes Type "A" Joint
DB10		Tolerance for Fabrication of Prestressed Beams
BR1		Establishing Bearing Key Details
BR2		Requirements for Bridge Railing & Anchor Assembly
BR3		Requirements for Bridge Railing & Anchor Assembly
BR4		Requirements for Bridge Railing & Anchor Assembly
		MB2 Slope Wall & Riprap Require...
BB1		Prestressed Beam
B1		B Borrow
	GR4	Earth Barrier

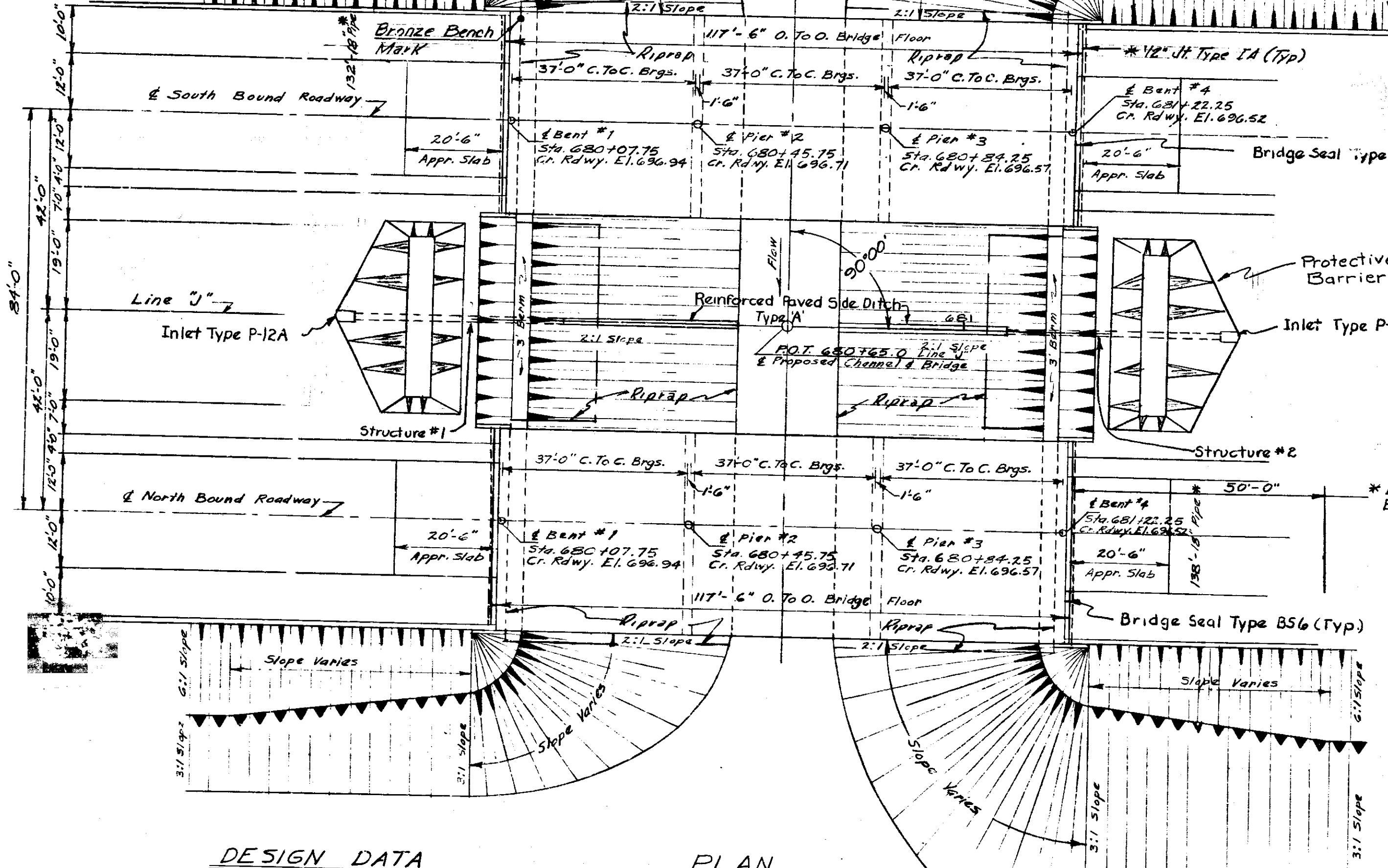
GENERAL PLAN

CONTINUOUS PRESTRESSED CONCRETE I BEAM BRIDGE
 3 SPANS: 37'-0" 37'-0" 37'-0"
 TWIN STRUCTURES
 TWO 40'-0" ROADWAYS
 LINE "J" OVER NAMELESS CREEK

INDIANA STATE HIGHWAY COMMISSION
 WARREN COUNTY

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *Leo V. Weiss*

DRAWING: C2 OF 8
 PROJECT: FT-F-95(11)
 CONTRACT NO. R-9569
 BRIDGE FILE: 41-86-5923



DESIGN DATA

Designed for HS 20-44 Loading in accordance with 1969 A.A.S.H.O. Specifications. Bridge floor designed as continuous slab for live load only.

PLAN

Scale 1/4" = 1'-0"

* To be included in Roadway Quantities

Rev. 9-18-73. Sheet Membrane & overlay,
 Rev. 5-11-73. Earth Barrier, Railing, Joint B56, Design Data, General Notes, Standard Drawings, Slab Depth

November 6, 1961

DESIGNED	BOS	CWD	TAT
DRAWN	H.R.M.	CWD	BOS
TRACED		CWD	

PROJECT NO.	LINE	SHEET	TOTAL	FILE
F-95(11)	"A"	4	4	

PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	95(11)	1969	5	21

BILL OF MATERIAL

BENT 1 or 4 REINFORCING STEEL

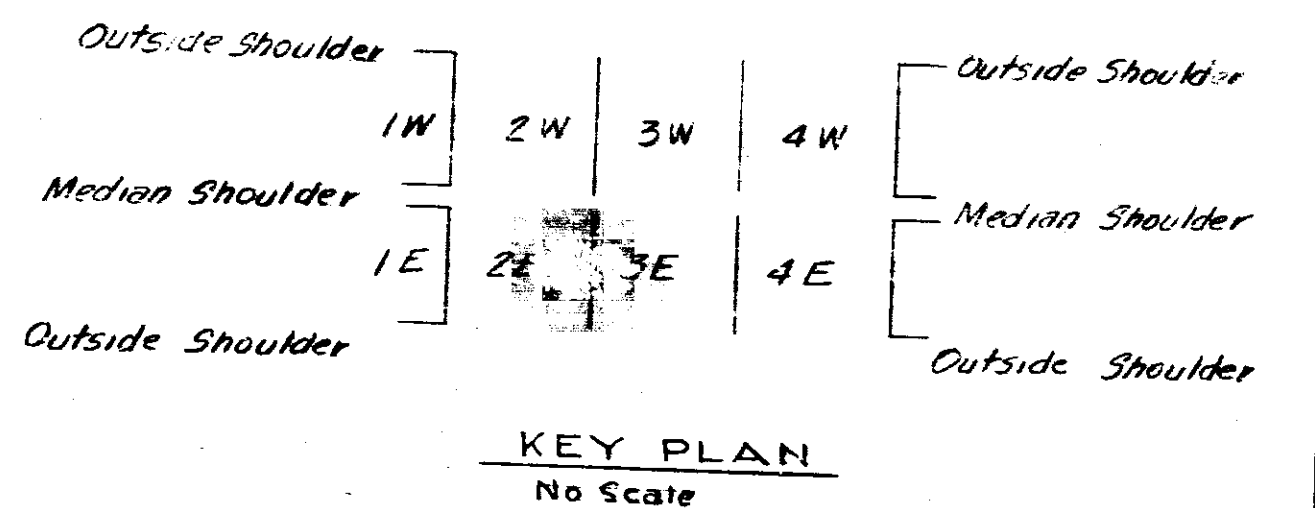
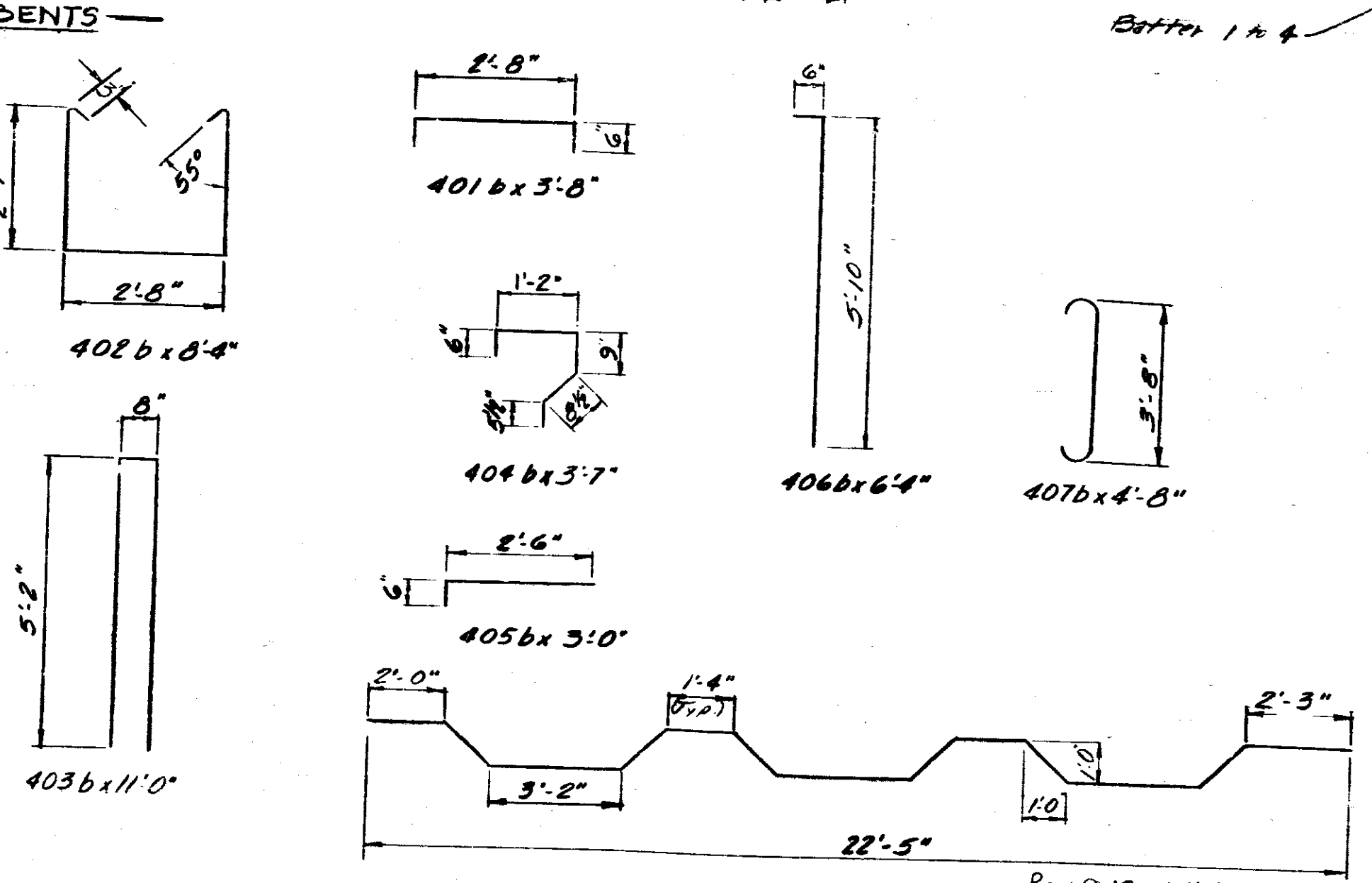
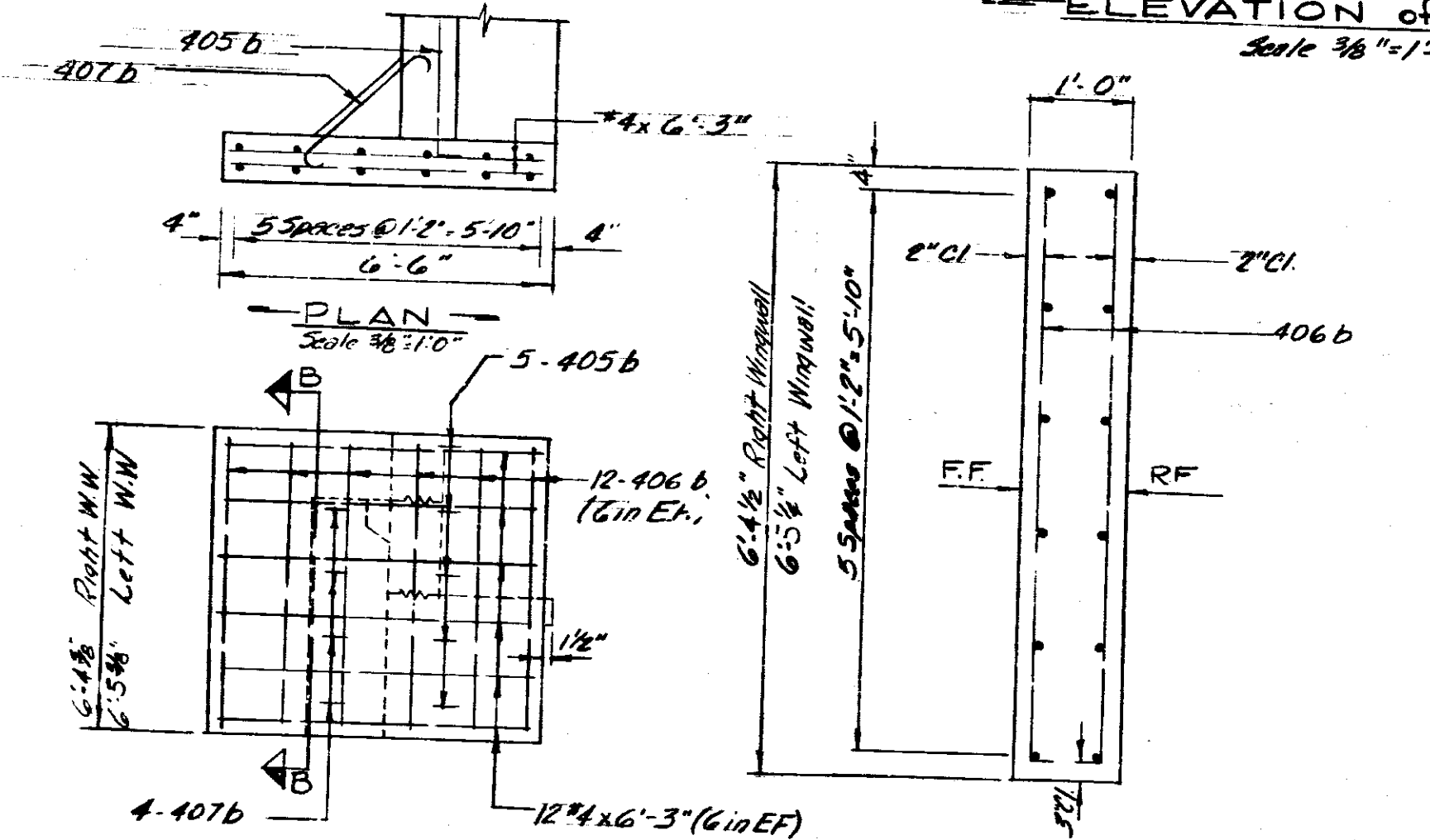
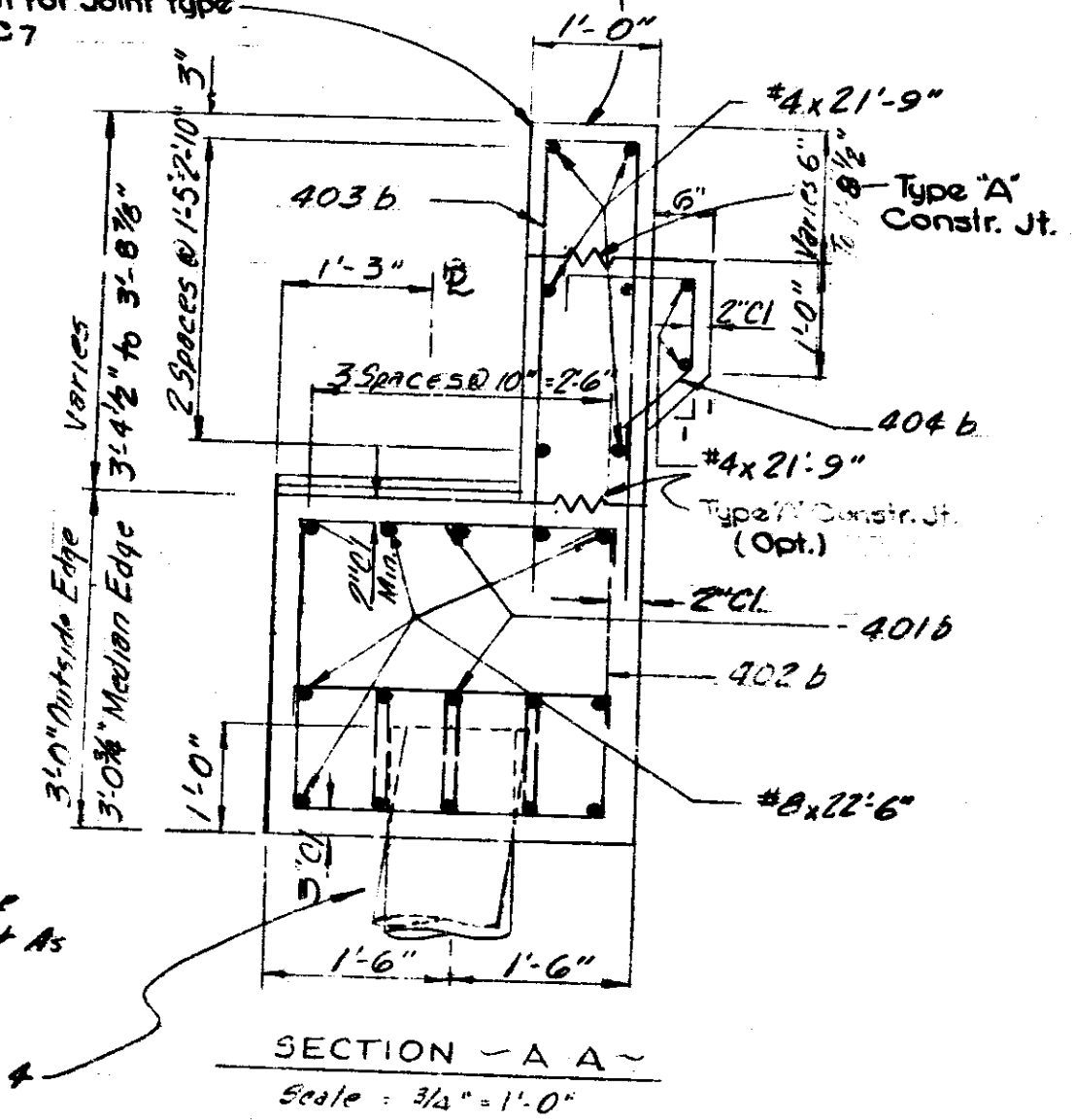
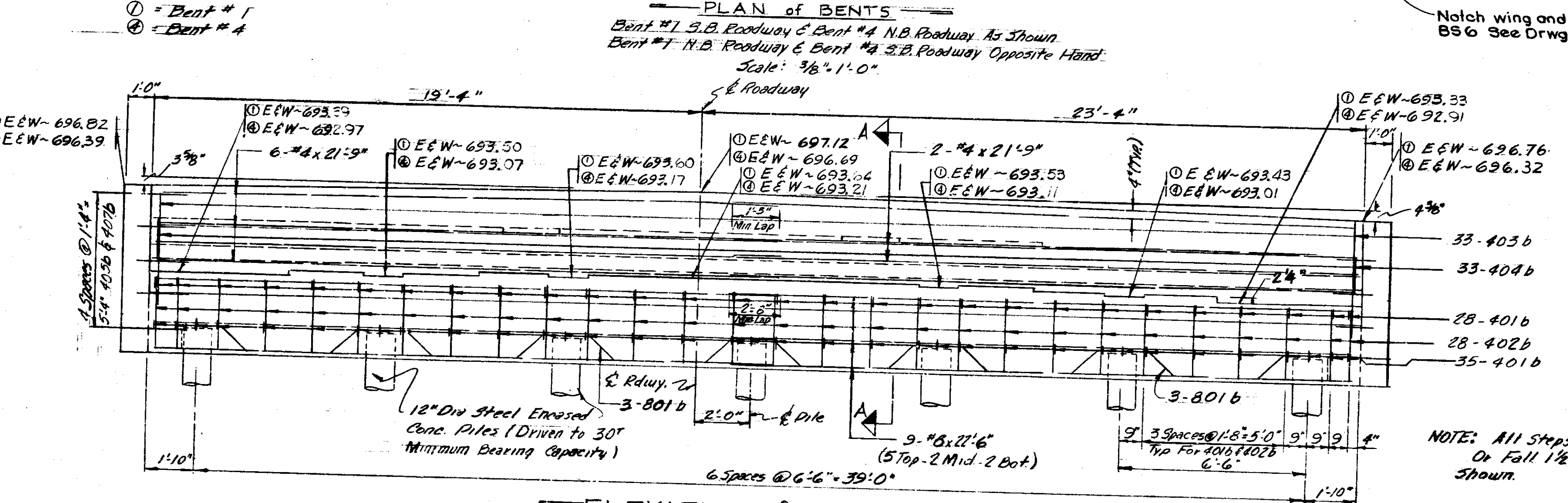
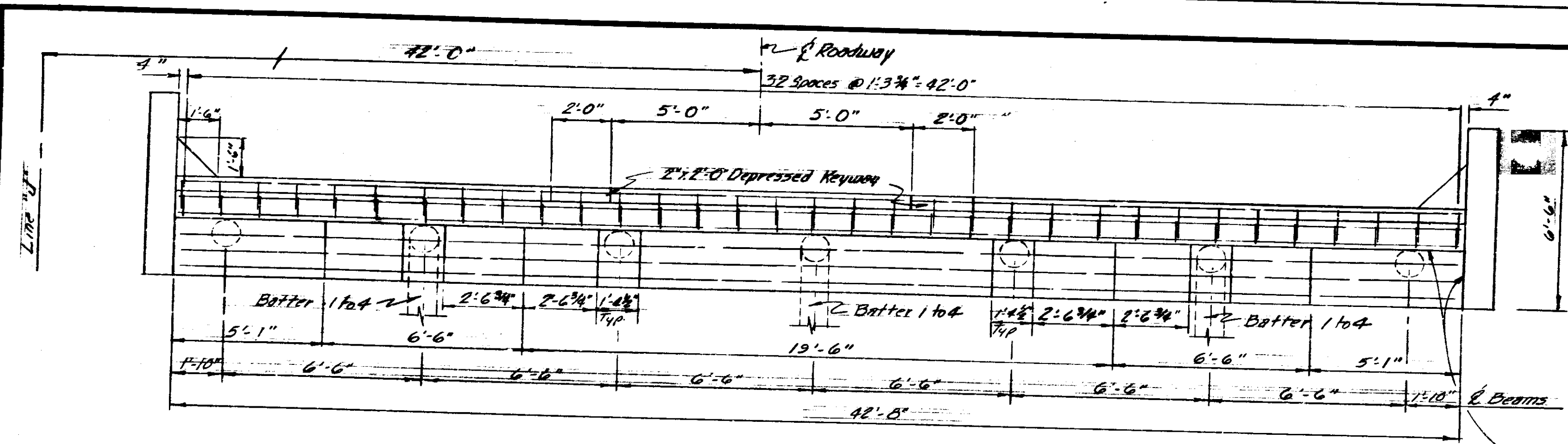
SIZE OR MARK	NO. OF BARS	LENGTH	TOTAL LENGTH	WEIGHT
401b	63	3'-8"	231.00	
402b	28	8'-4"	233.33	
403b	33	11'-0"	363.00	
404b	33	3'-7"	118.25	
405b	10	3'-0"	30.00	
406b	24	6'-4"	152.00	
407b	8	4'-8"	37.33	
#4	12	21'-9"	261.00	
#4	4	21'-9"	87.00	
#4	24	6'-3"	150.00	
TOTAL #4				1662.91
801b	6	24'-11"	149.50	
#8	18	22'-6"	405.00	
TOTAL #8				554.50
TOTAL STEEL				2291 #
CONCRETE (Class A)				
Cap & Mudwall				26.9 Cu Yd
Wing Wall				3.5 Cu Yd
TOTAL (Class A)				30.4 Cu Yd
MISCELLANEOUS				
12" Dia Steel Encased Concrete Piles				
76a, 7b, 35 - 245 Lm Ft				

NOTES
See Br. Std. C For Rein. Bar Notes

This portion of mudwall to be poured after Superstructure slab is poured.

Notch wing and mudwall for joint type BS6 See Drwg. C6 & C7

NOTE: All Steps to Rise Or Fall 1/2" Except As Shown.

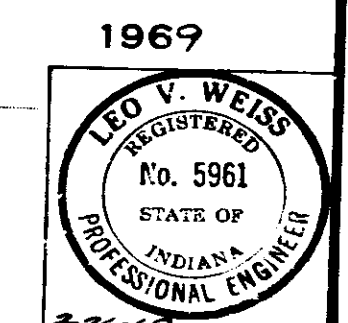


BENT NO. 1 & NO. 4 DETAILS

INDIANA STATE HIGHWAY COMMISSION

SCALE: AS SHOWN
SUBMITTED FOR APPROVAL: *Leo V. Weiss*

DRAWING: C3 OF 8
PROJECT: FT-F05 (11)
Rev. 9-18-73 Height of Mudwall & Wingwall, Conc. Quantities
Rev. 5-11-73 Bridge Seal Elev., Note, Constr. Jt., Bill of Materials, #4 rebars



DESIGNED: J.A. FURI C.R.D. P.E.
DRAWN: W.L.W. C.R.D. P.E.
TRACED: C.R.D.

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-95(11)	U	5	21	

BRIDGES OVER 20' SPAN					
PUB. ROAD	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	95111	1969	6	21

BILL OF MATERIALS
PIERS 2 & 3

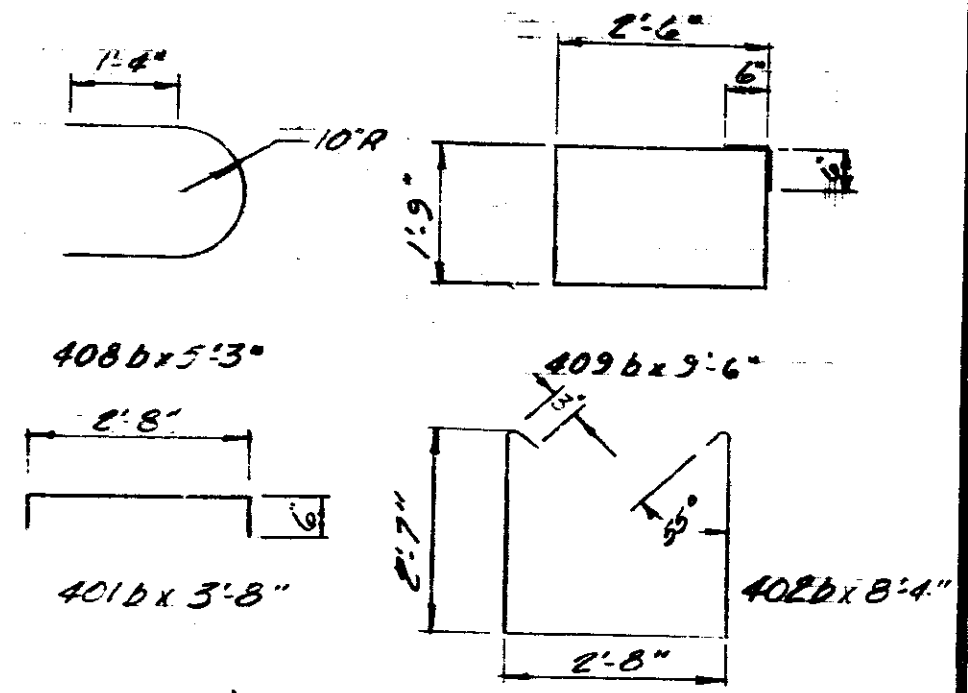
Size & Mark	No. of Bars	Length	Total Length	Weight	
401b	36	3'-8"	132.00		
402b	36	8'-4"	300.00		
408b	48	5'-3"	252.00		
409b	70	9'-6"	665.00		
#4	88	20'-6"	1,804.00		
Total #4				9,153.0	2,106 #

Size	No.	Length	Total Length	Weight	
#5	8	21'-11"	175.33		
Total #5				175.33	183 #
#6	8	22'-1"	178.66		
#6	70	24'-0"	1,680.00		
Total #6				1,858.66	2,786 #
Total Steel					5,075 #

CONCRETE	
Conc. in Stem (Class "A")	66.9 Cu Yds
Conc. in Cap (Class "A")	15.1 Cu Yds
Total (Class "A")	81.5 Cu Yds
Conc. in Footing (Class "E")	4.30 Cu Yds
Total (Class "E")	4.30 Cu Yds

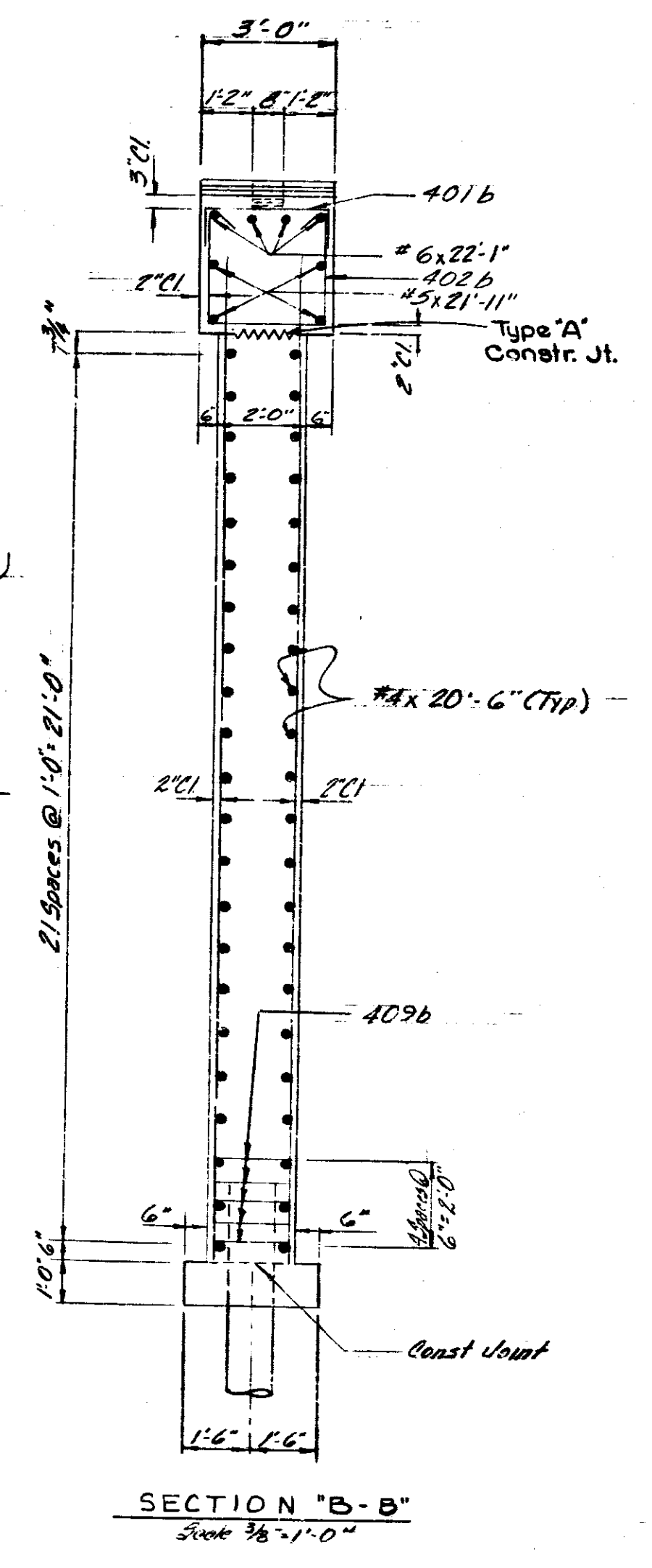
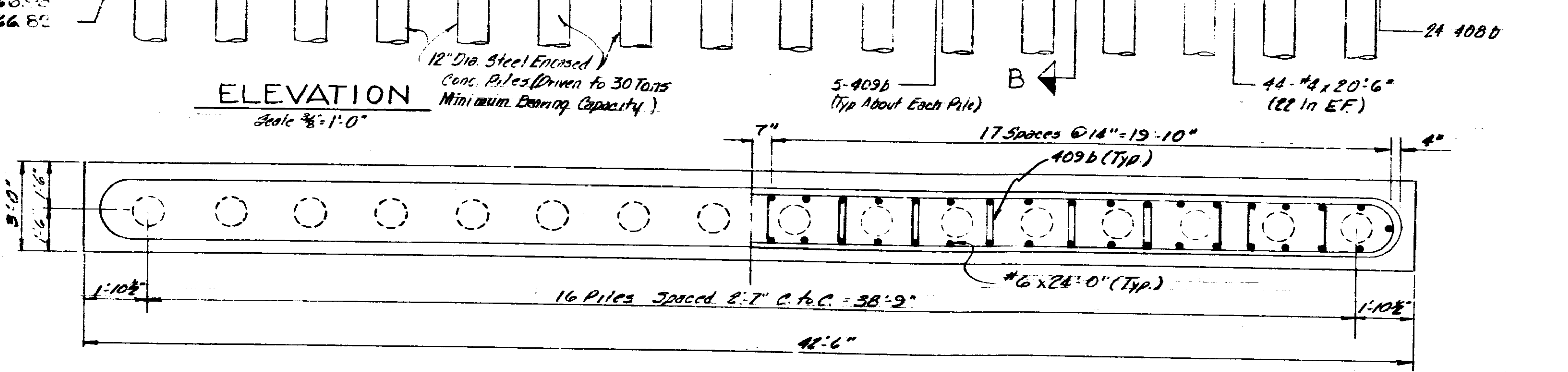
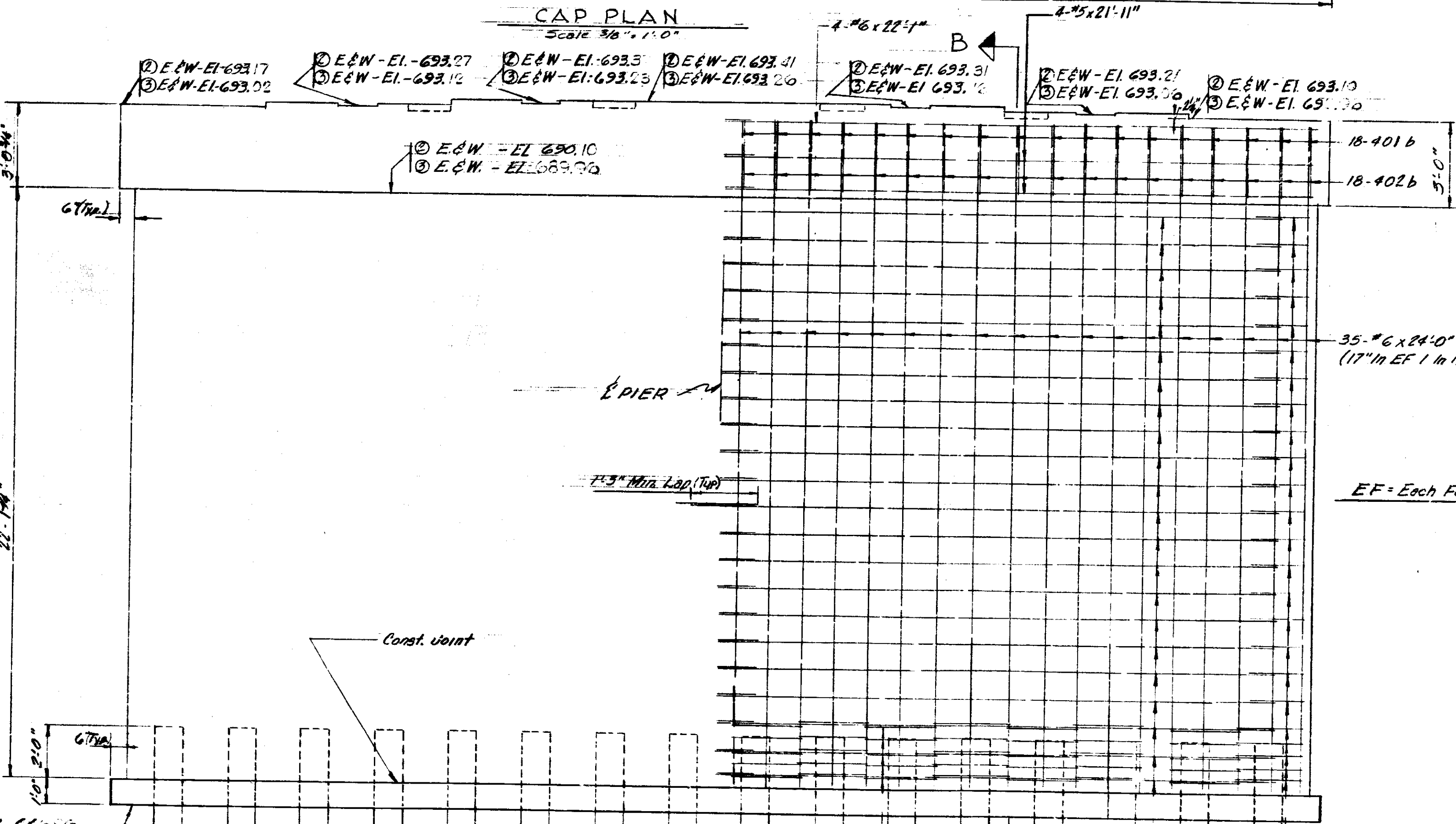
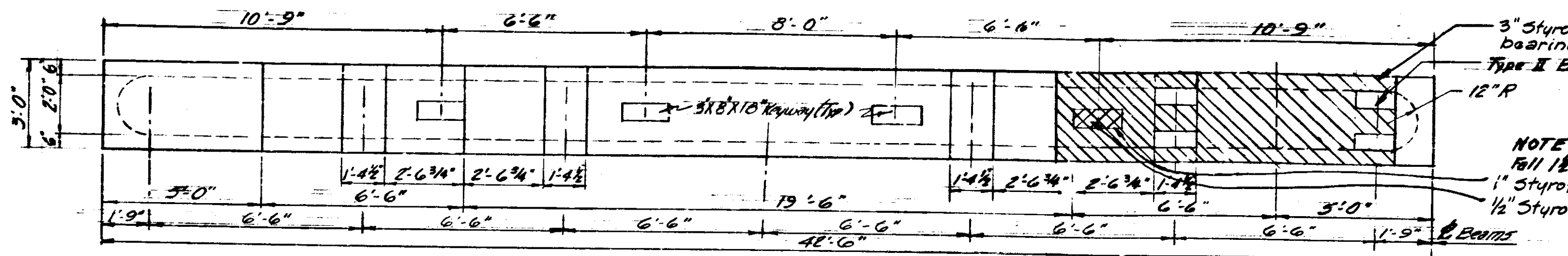
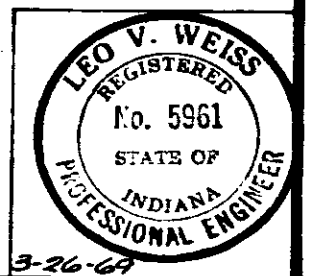
MISCELLANEOUS	
12" Dia Piles Steel Encased Concrete	
Total 168.30' = 480 Lin Ft	

Note: See Brq. Jtd. C. For Reinf. Bar Notes



PIERS NO 2 & 3 DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED
SUBMITTED FOR APPROVAL: *Leo V. Weiss* 1969
DRAWING: C4 OF 8
PROJECT: F-59 (5C)
CONTRACT NO. R-95G9
BRIDGE FILE: 41-86-5923



① - Pier # 2
② - Pier # 3

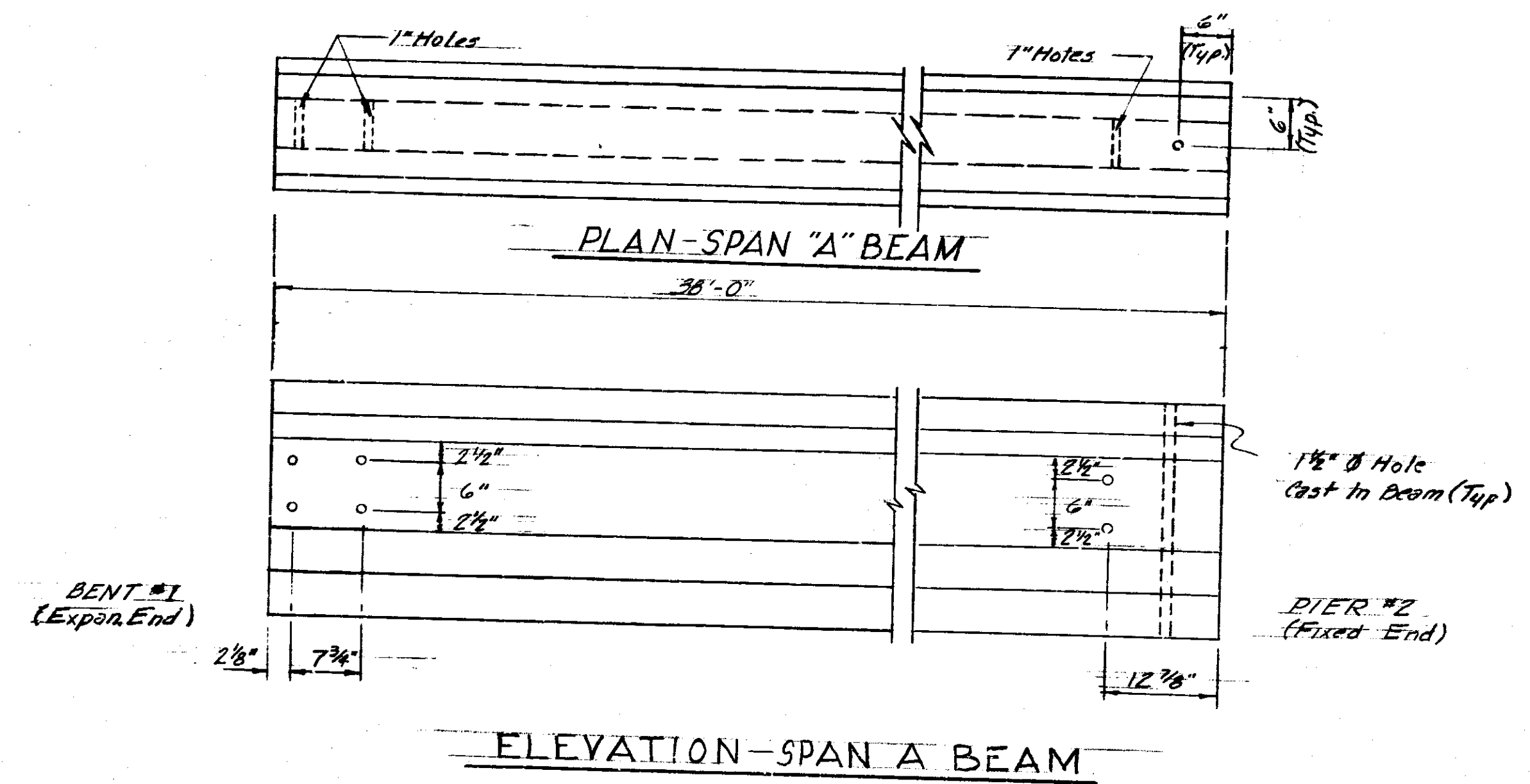
DESIGNED: TAT CKD: BGG
DRAWN: N.L.W. CKD: TAT
TRACED: CKD

FOOTING PLAN
Scale 3/8" = 1'-0"

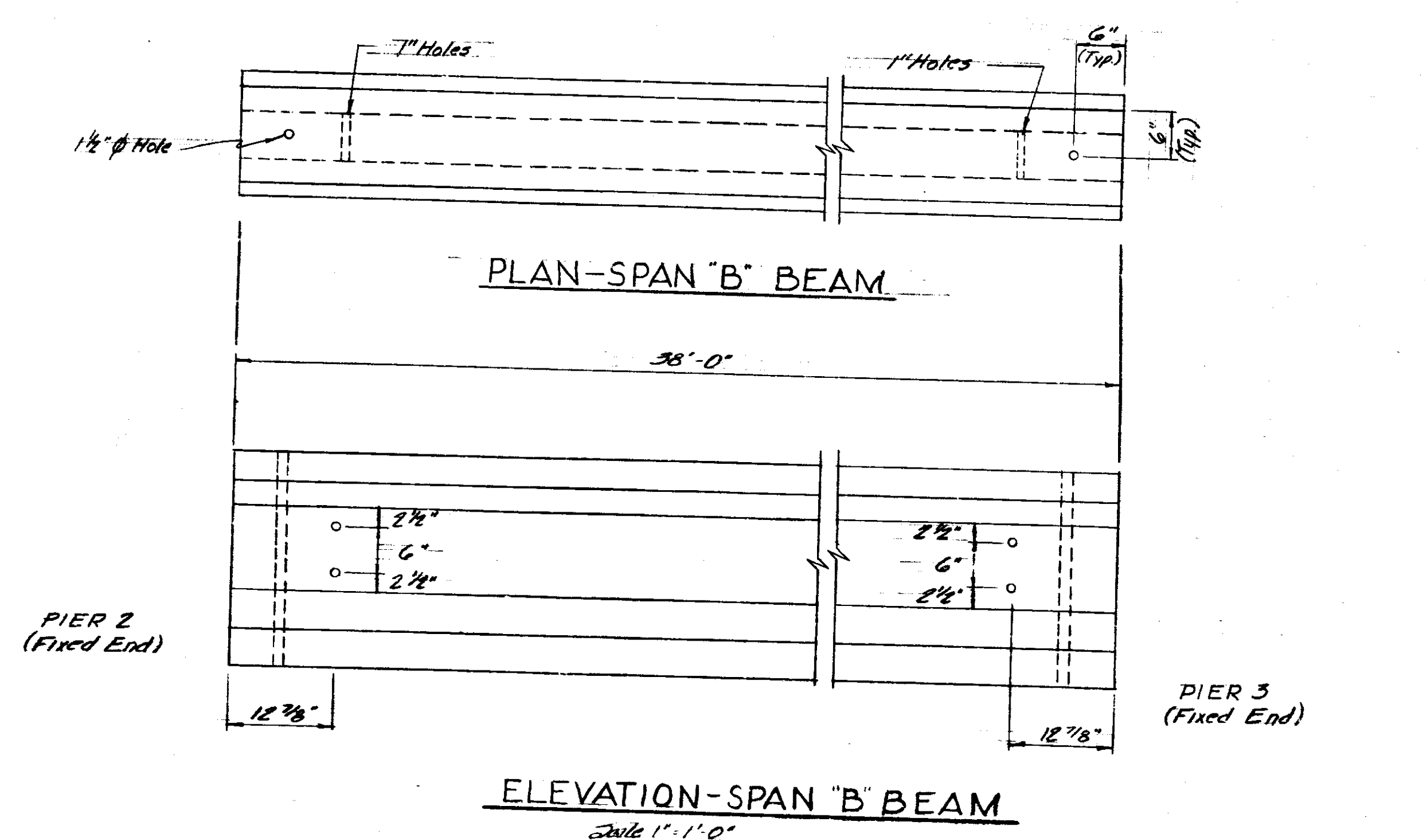
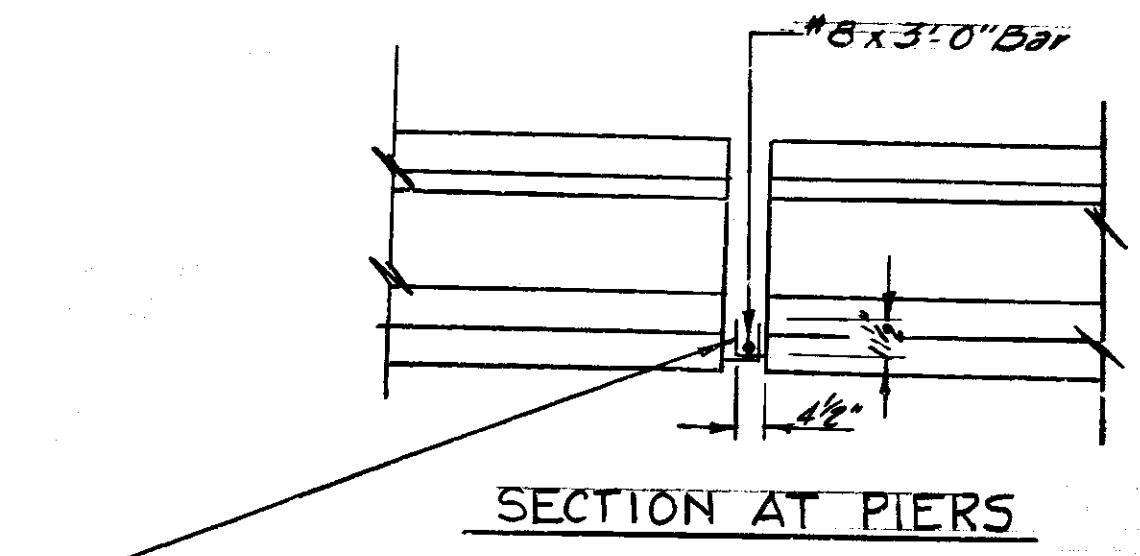
Rev. 5-11-73 Elev., Constr. Jt., Bill of Materials, Styrofoam

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-59	"J"	6	21	

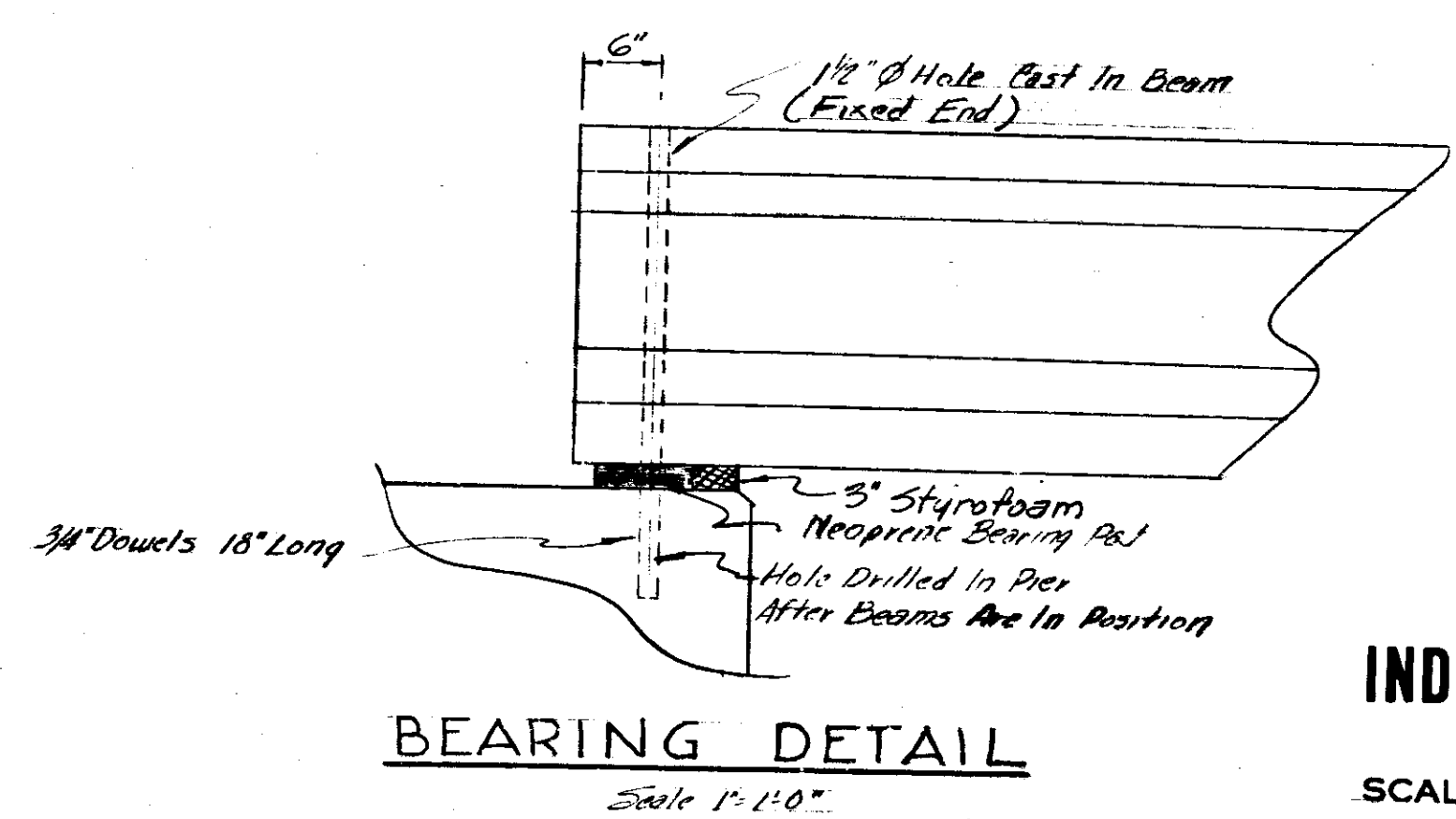
BRIDGES OVER 20' SPAN					
PUR. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	95(11)	1969	7	21



NOTES
 All Material And Labor For The Manufacture, Transportation And Erection Of The Prestressed Concrete - I - Beams Including Neoprene Brq. Pads, Styrofoam, 3/4" Dia. Diaphragm Dowels, 1" Dia. Anchor Dowels, Grout, Joint Filler And All Items Required To Be Cast In The Beams Shall Be Included In The Lump Sum Bid Price For "Prestressed Concrete I-Beam".
 Holes For Dowels Shall Be Filled With Grout At Fixed Ends.

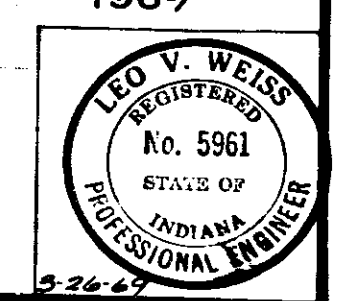


DESIGN NOTES
 All Beams Designed In Composite Action With # 8 #36 p.s.f. Euforc Wearing Surface.
 Shop Drawings And Calculations Must Be Submitted By The Manufacturer Through The Contractor. These Are To Include Outline Of Prestressing Procedure For Dressed Strands And The Detensioning Order.
 Loading HS-20-44 Distributed In Accordance With A.A.S.H.O. Specifications
 Camber Equals Upward Deflection From Prestressing Force Minus Downward Deflection From Dead Load Of Beam In Inches.
 Foured in place Concrete: 15,000 PSI, 10-12000 PSI
 SPAN A & C
 1. At Center (Inches) + 5.36 ± 10.49 Camber As Erected + 0.46 (Up)
 2. At End (Inches) - 0.56 ± 1.33 Residual Camber With Slab + 0.18 (Up)
 Span A & C 12-7/16" (270K) Strands To Be Pulled To 21,800# Each
 Span B 10-7/16" (270K) Strands To Be Pulled To 21,800# Each



**SUPERSTRUCTURE DETAILS
 INDIANA STATE HIGHWAY COMMISSION**

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *Leo P. Weiss*
 DRAWING: C₂ OF 8
 PROJECT: FT. F 95(11)
 CONTRACT NO. R-9569
 BRIDGE FILE: 41-86-5923



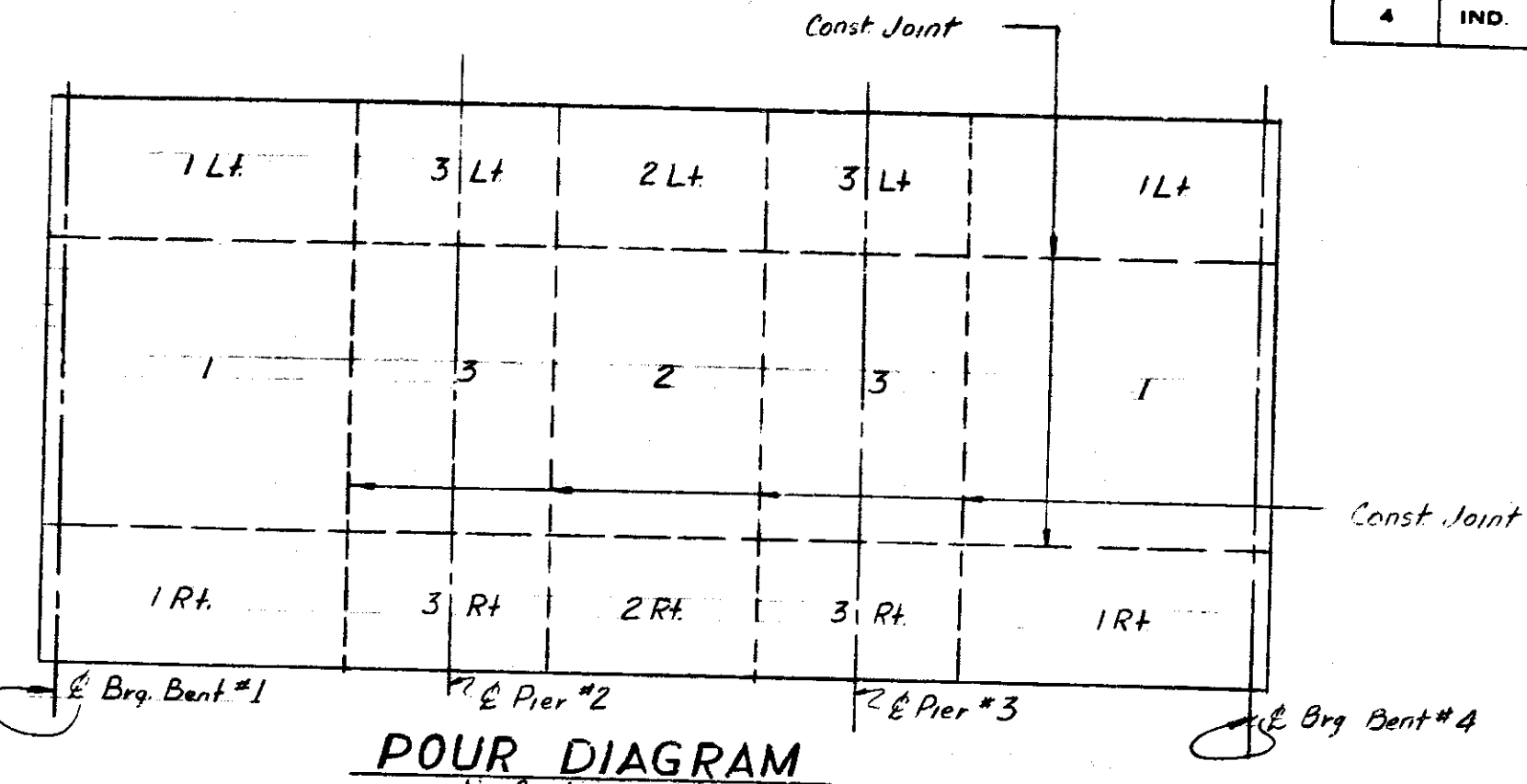
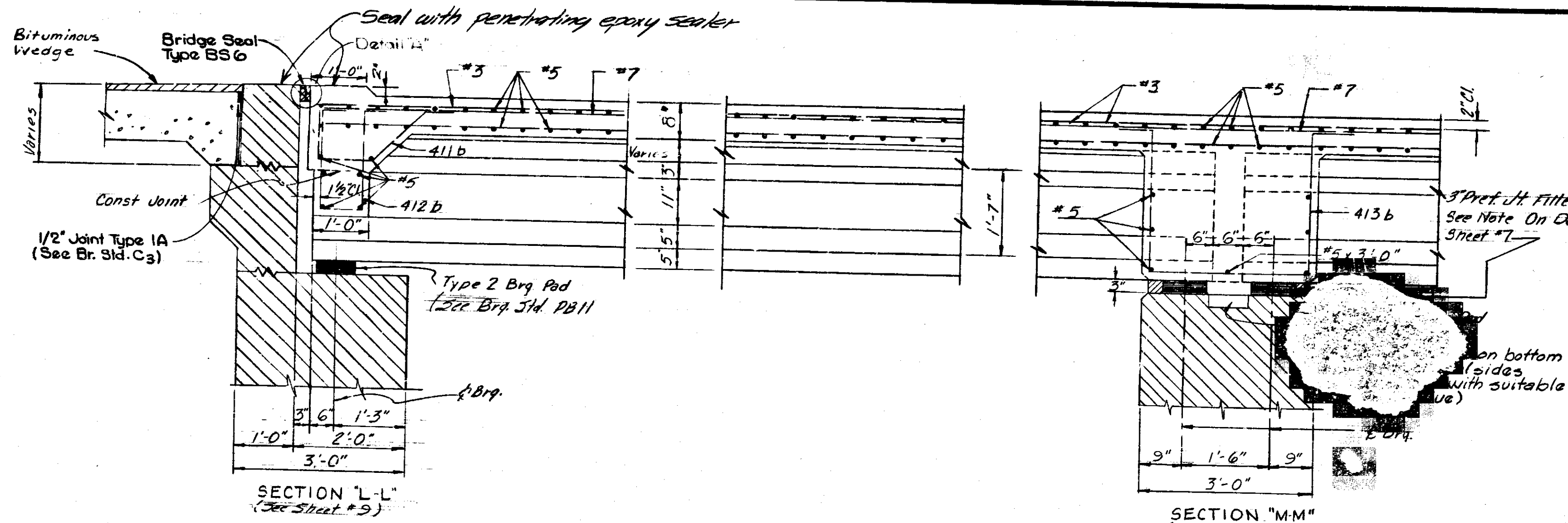
DESIGNED: <i>F.A.T.</i>	CKD: <i>B.O.G.</i>
DRAWN: <i>W.L.W.</i>	CKD: <i>F.A.T.</i>
TRACED: _____	CKD: _____

Rev. 5-11-73 Design Notes, Styrofoam

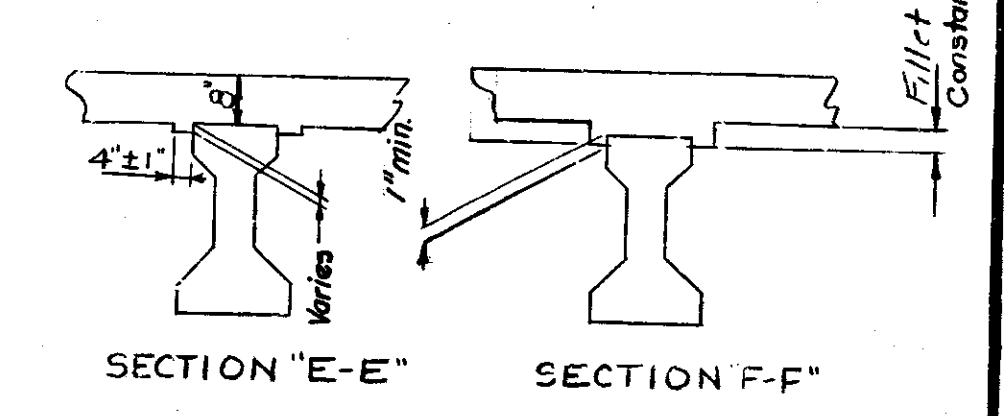
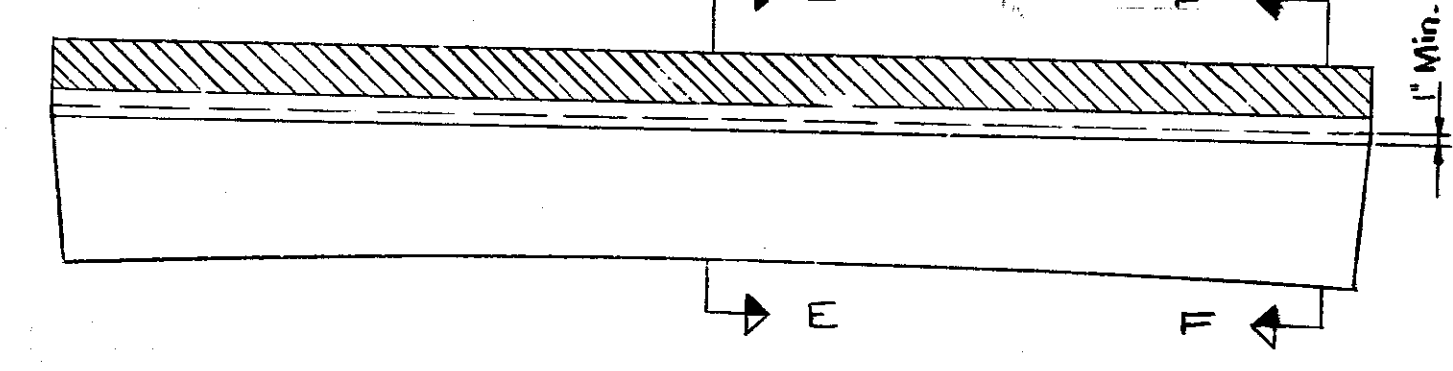
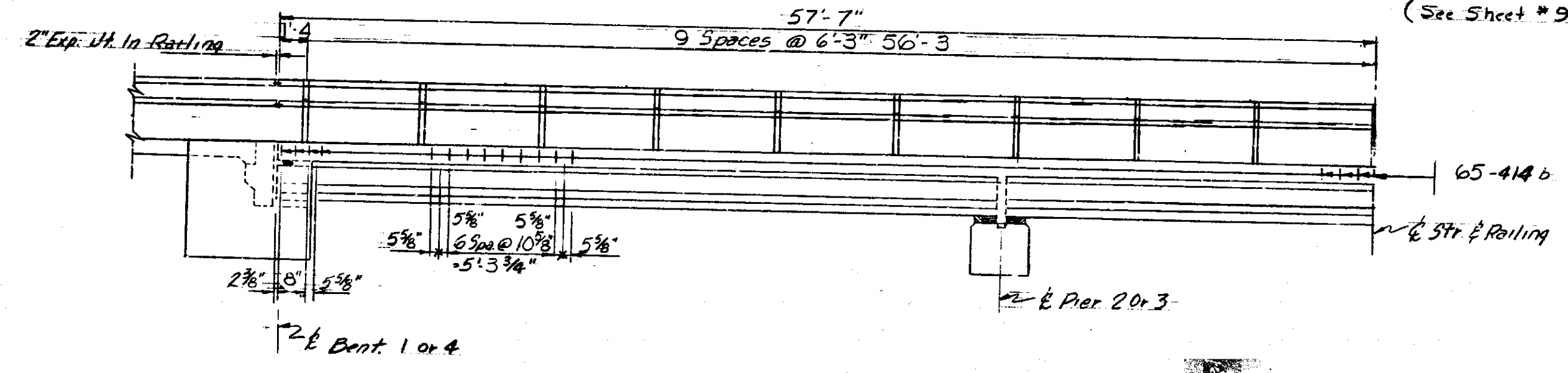
November 6, 1961

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-95(1)	7	7	21	

BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	25(11)	1969	21

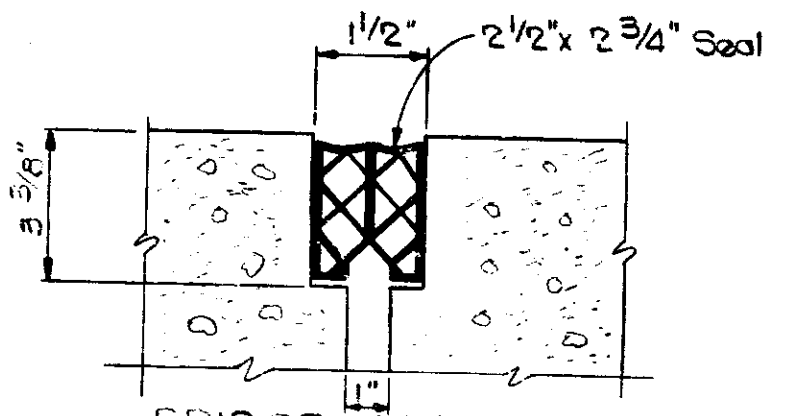


Pour numbers indicate sequence of pours. Pours over interior supports to be made last to reduce the effect of the slab dead load in the negative moment area. Pour #3 will include the thickening at support and will be held to a 5 foot length to allow diaphragms and those of ends of the structure to be poured before slab is poured.



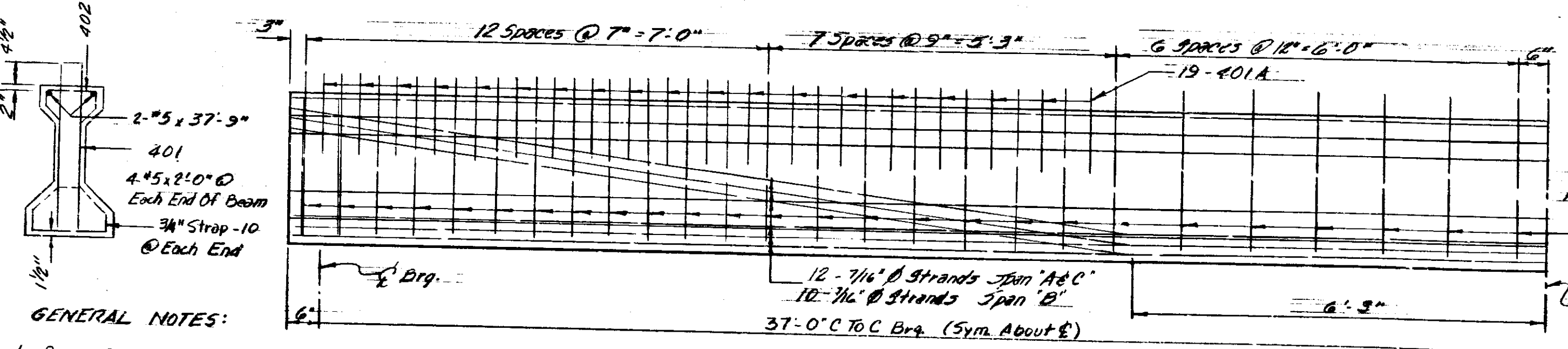
BEAM ELEVATION

Set Bridge Seal Elevations, Using design camber and deadload deflection of slabs so that 1/4" of beam will be at bottom of slab along in at centerline of span. Fillet depth to vary along length of beam to compensate for support and any vertical curve which may be in the profile grade. Use high cambers which are greater than design cambers will be taken care of by permitting the top of beam to stand into the slab (Limit of 1 inch) actual cambers which are less than design cambers will require slight fillets.

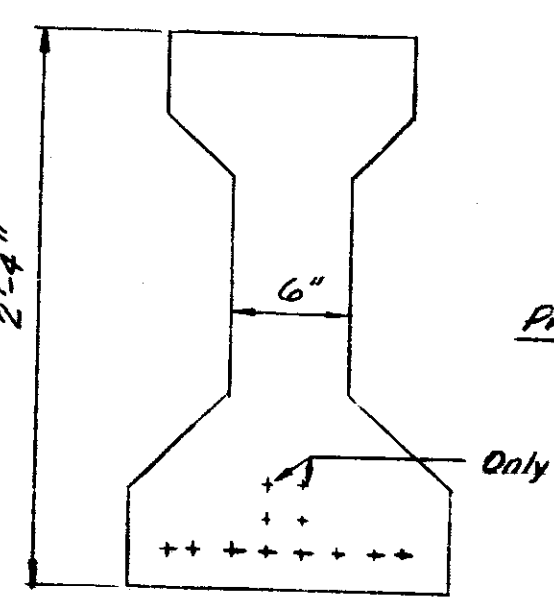
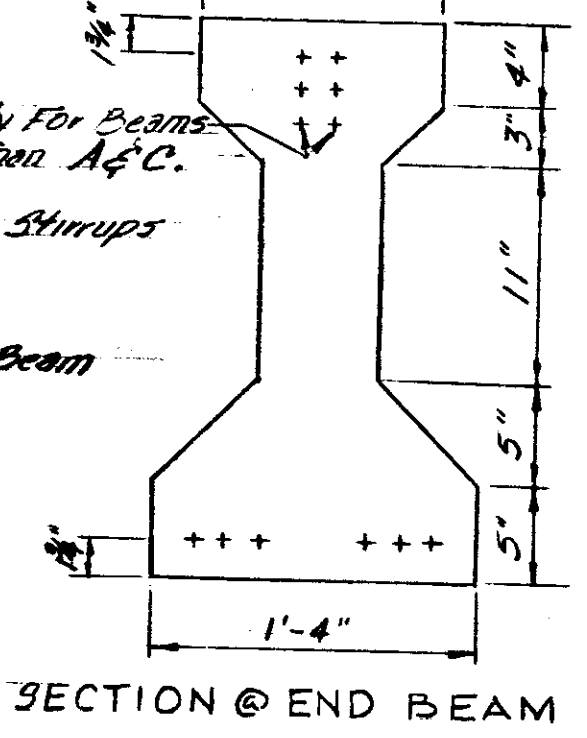


BRIDGE SEAL BS 6
 Minimum Joint Width: 1 1/4"
 Maximum Joint Width: 1 7/8"
 Minimum Joint Width @ Installation: 1 1/2"
 Minimum Joint Depth @ Installation: 3 3/4"

DETAIL 'A'



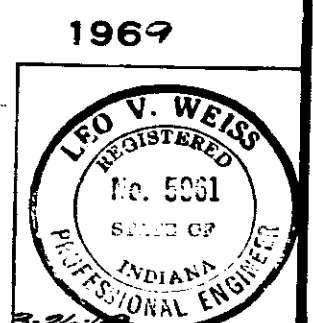
- GENERAL NOTES:**
- Concrete Design Strength to be 5,000 p.s.i. @ 28 Days. All Strands to be 7 Wire 7/8" (270K) Cable Spacing to be 1 3/4" Vertically and Horizontally.
 - Strand Pattern and Size can be Altered Provided the Initial Prestress Force and Both "e" Values Remain as Indicated.
 - The Concrete Strength Must be 4,500 p.s.i. Before Prestressing Force is Transferred to Concrete.
 - Several Lifting Devices are Satisfactory. The Type Used Must be Guaranteed by the Concrete Manufacturer and Approved by the Engineer on the Shop Drawings. Beams are to be Lifted at Bearing Points Only.
 - Top Beams are to be Scored Transversely at About 3" Centers with Pointed Tool.
 - Beams to be Supported at Bearing Points While Stored and While Transporting to Job Site.
 - All Materials Must be in Accordance with Indiana State Highway Commission Standard Specifications.
 - For Fabrication Tolerances See Bid Spt. PB10.



SUPERSTRUCTURE DETAILS

INDIANA STATE HIGHWAY COMMISSION

SCALE: AS SHOWN
 SUBMITTED FOR APPROVAL: *Leo V. Weiss*
 DRAWING: C4 OF 8
 PROJECT: FT-5 25(11)
 CONTRACT NO. R-9569
 BRIDGE FILE: 41-86-5925



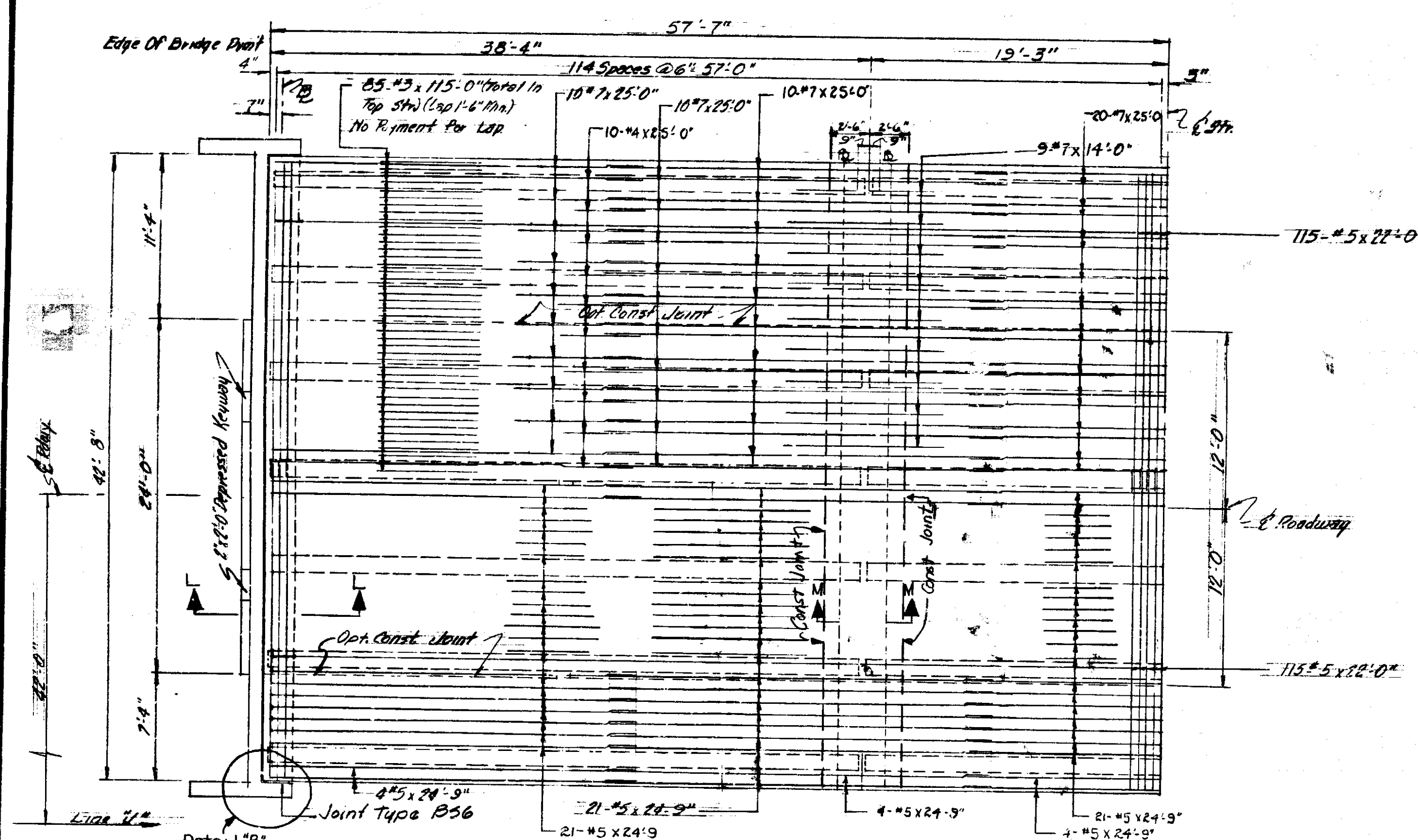
DESIGNED: J.A.T. CHKD: B.G.G.
 DRAWN: W.L.W. CHKD: J.A.T.
 TRACED: C.W.D.

Note: Deck Overlay not shown on Superstructure Details for Clarity

Rev. 9-18-73 Add overlay damf bit wedge to section L-L, overlay note
 Rev. 5-11-73 Bridge Seal, Railing Notes, Section E-E & Section F-F, Styrofoam

PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	FILE
E-95(11)	11	8	21	

TOP HALF SHOWING TOP SLAB STEEL



BOTTOM HALF SHOWING BOTTOM SLAB STEEL



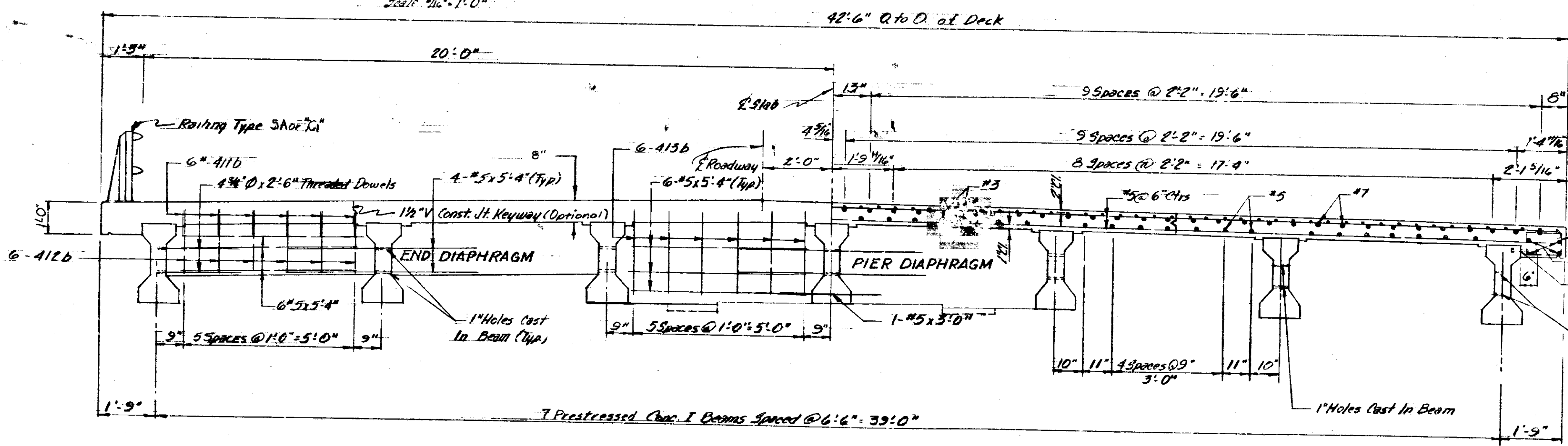
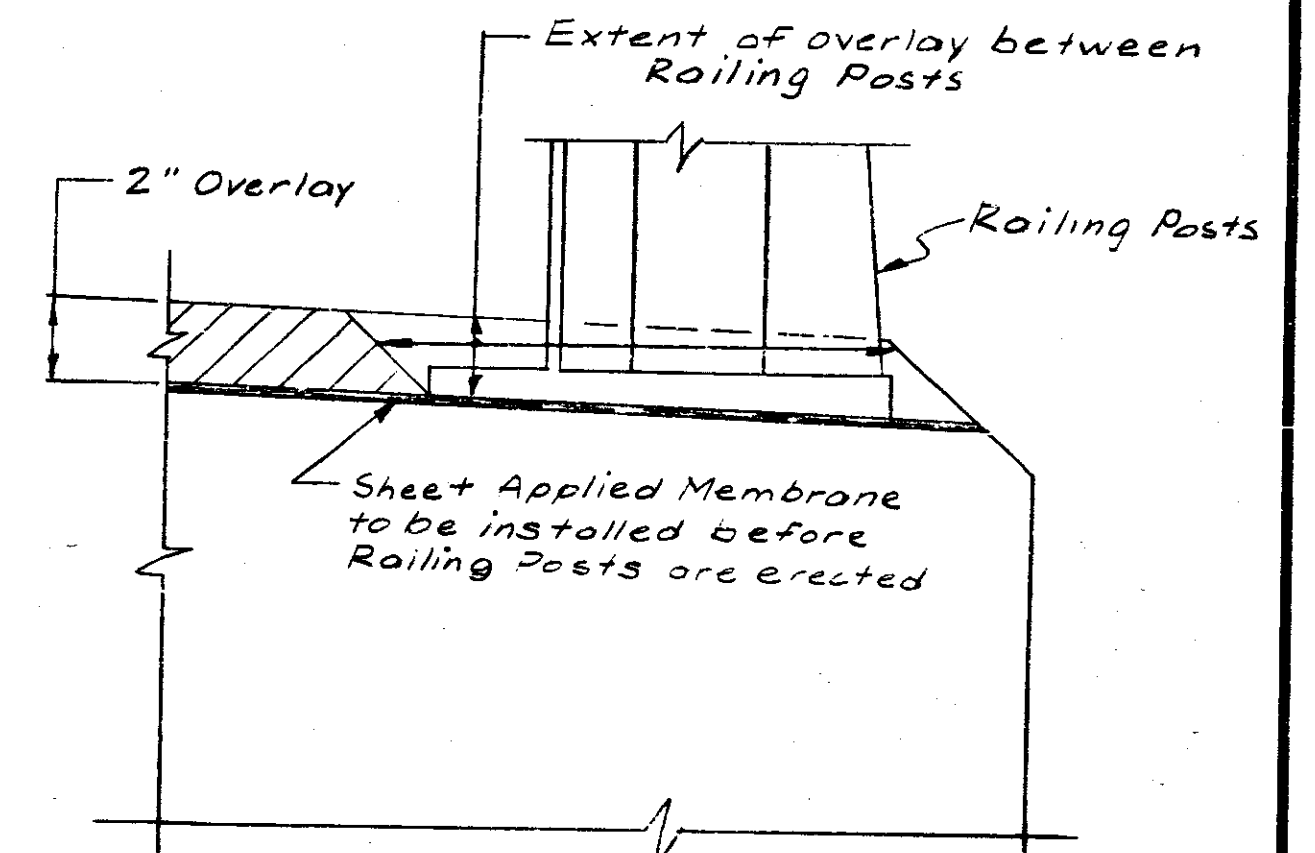
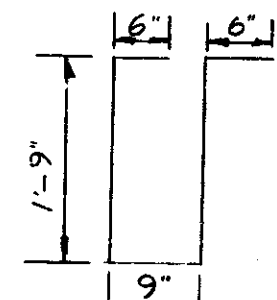
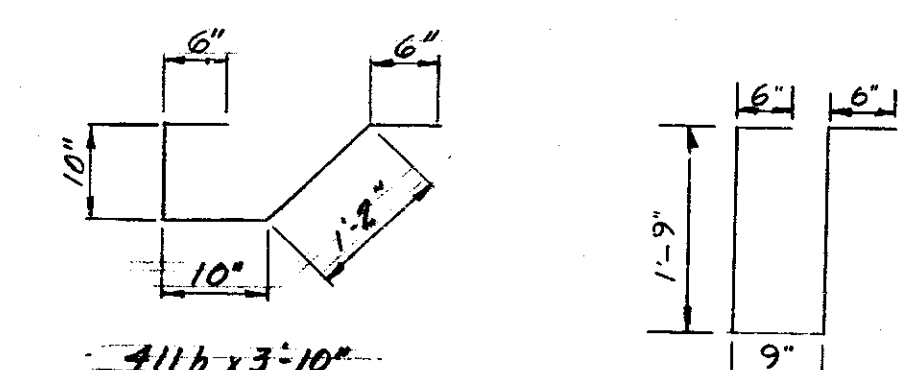
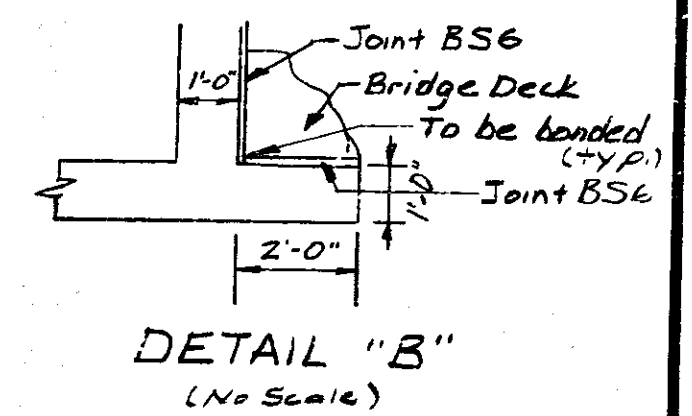
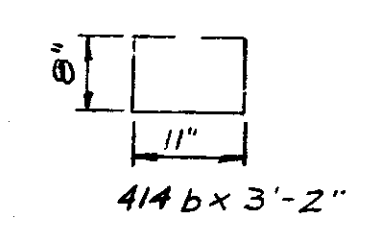
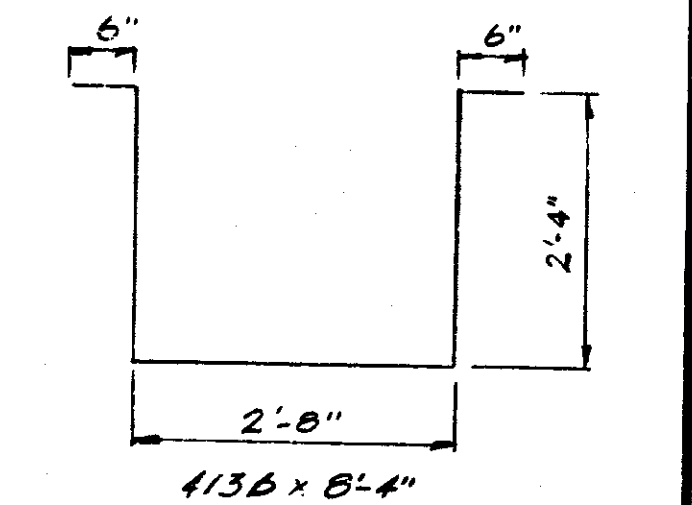
HALF PLAN

BILL of MATERIALS of SUPERSTRUCTURE

REINFORCING STEEL				REINFORCING STEEL				
Size or Mark	No. of Bars	Length	Total Length	Weight	Size or Mark	No. of Bars	Total Length	
#3	85	115'-0"	9775.0	3,675.0	#7	160	25'-0" = 4,000.0	
TOTAL #3 9,775.0				3,675.0	TOTAL #7 4,504.0 = 9,206.0			
TOTAL REINFORCING STEEL 43,773'					CONCRETE			
411b 72 3'-10" = 276.0					Conc. Pour 1 (Class C) = 80.23 Cu Yds			
412b 72 5'-3" = 378.0					Conc. Pour 2 (Class C) = 36.21 Cu Yds			
413b 72 6'-4" = 600.0					Conc. Pour 3 (Class C) = 10.80 Cu Yds			
414b 258 3'-2" = 817					End Diaphragm (Class C) = 4.20 Cu Yds			
414 40 16'-0" = 1000'					Pier Diaphragm (Class C) = 18.06 Cu Yds			
TOTAL #4 3071.0				2,051.0	TOTAL (Class C) = 149.5 Cu Yds			
#5 210 24'-9" = 5,197.5					MISCELLANEOUS			
#5 40 24'-9" = 990.0					Railing Type SA or C ₁ = 230.33 Lin Ft			
#5 920 22'-0" = 20,240.0					Type I Prestress Conc. I Beam = 798.00 Lin Ft			
#5 224 5'-4" = 1,194.7								
#5 10 3'-0" = 30.0								
TOTAL #5 27,652.2				28,841.0				

Note: See Proj. Std. C For Reinf. Bar Notes
 Note: Longitudinal Construction Joints may be eliminated subject to the approval of the Engineer.

BRIDGES OVER 20' SPAN					
PROJ. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	FT-F-95(1)	1960	9	21

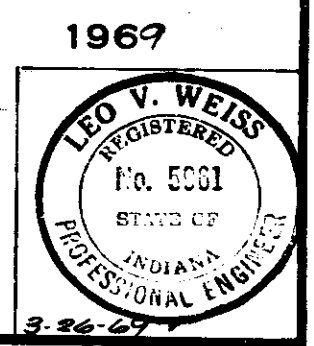


TYPICAL SECTION

Note: Deck Overlay not shown on Superstructure Details for clarity.

SUPERSTRUCTURE DETAILS
 INDIANA STATE HIGHWAY COMMISSION

SCALE: AS SHOWN
 SUBMITTED FOR APPROVAL: *Leo V. Weiss*
 DRAWING: C7 OF 9
 PROJECT: FT-F-95 (1)
 CONTRACT NO. R-9569
 BRIDGE FILE: 41-86-5923



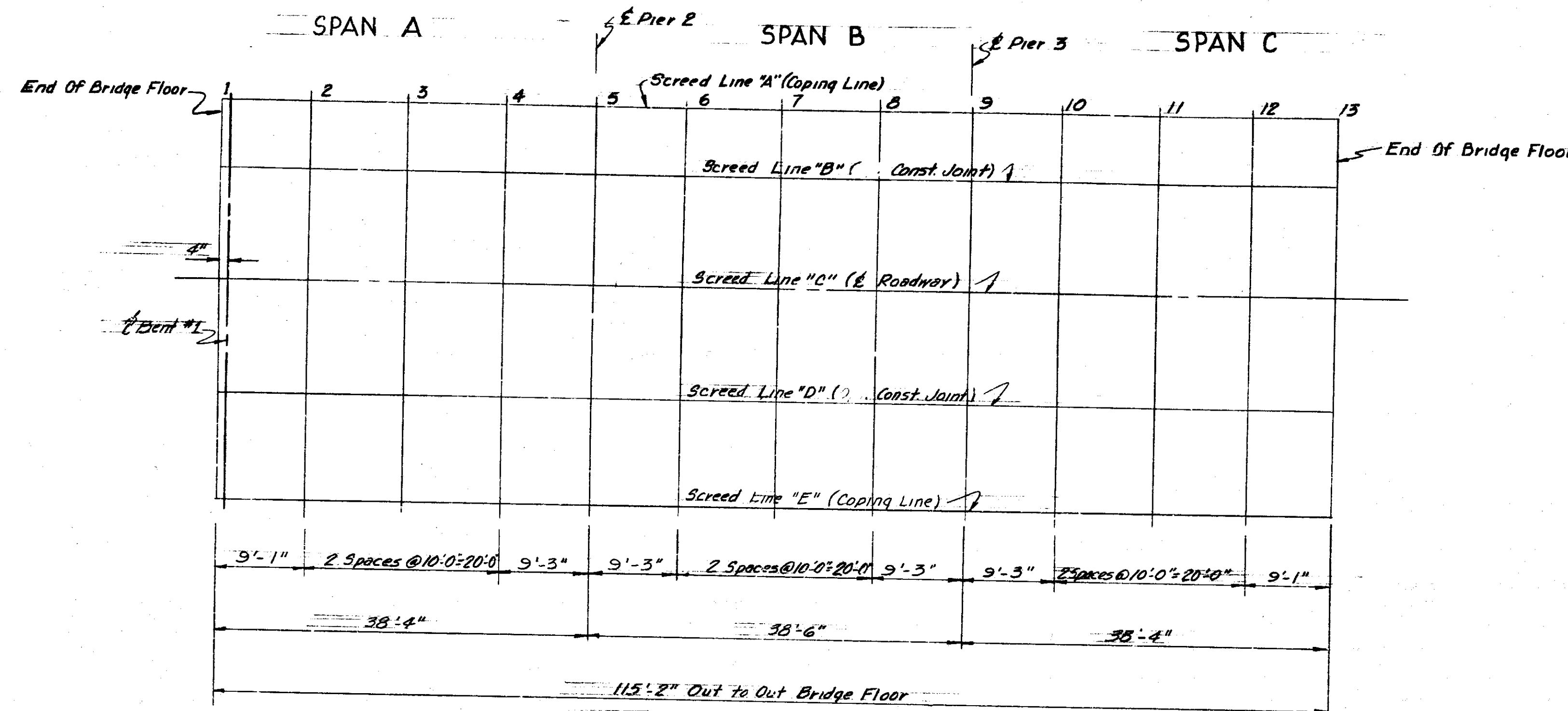
DESIGNED: T. A. FURL CWD B.G.G.
 DRAWN: W. L. W. CRD T.A.T.
 TRACED: CWD

Rev. 9-18-73 Class "C" Conc. & Quantities, Railing Post Detail, Overlay note.
 Rev. 5-11-73 Railing Slab depth, Reinforcing Note, Bill of Materials, Detail B.

November 6, 1961

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-95(1)	7	9	21	

BRIDGES OVER 20' SPAN					
PUR. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	FF-95(1)	1969	10	21



NOTE:

Point on Screed Sheet measured from E. Brg. or Bents and E. Bent or Piers. "TABLE OF ELEVATIONS" Shows Data For Setting Screeds And Coping Forms, So That The Grade And Copings Will Be At The Final Grade Elevations After All The Concrete Has Been Poured.

Take Elevations At All Screed Points On Top Of Adjacent Beams; Enter The Elevations In The TABLE OF ELEVATIONS; Subtract These Elevations From The Tabulated Elevations And Use The Resulting Dimensions As The Height For Setting The Screeed Or Coping Form Above That Point. This Dimension Remains unchanged regardless of how much or what order the Concrete is Poured.

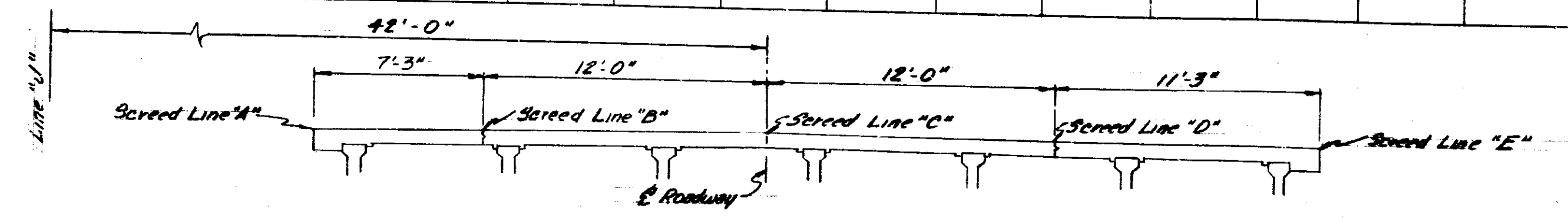
No Concrete In The Floor Is To Be Poured Until The Above Operations Are Complete.

Do Not Set Screeds Or Coping Forms By Leveling

SCREED PLAN
 (N.D. Rdwy. As Shown)
 Scale 1/8" = 1'-0" (S.D. Rdwy. Opposite Hand)

TABLE OF ELEVATIONS

Point	1	2	3	4	5	6	7	8	9	10	11	12	13
A Elev. Top Of Screed	696.643	696.598	696.544	696.478	696.413	696.389	696.358	696.322	696.270	696.267	696.240	696.240	696.217
A Elev. Top Of Beam													
A Dist. ~ Top Of Beam to Top Of Screed													
B Elev. Top Of Screed	696.756	696.712	696.658	696.591	696.526	696.502	696.471	696.435	696.383	696.381	696.373	696.353	696.330
B Elev. Top Of Beam													
B Dist. ~ Top Of Beam to Top Of Screed													
C Elev. Top Of Screed	696.943	696.899	697.845	696.778	696.713	696.689	696.659	696.622	696.571	696.568	696.560	696.540	696.517
C Elev. Top Of Beam													
C Dist. ~ Top Of Beam to Top Of Screed													
D Elev. Top Of Screed	696.756	696.712	696.658	696.591	696.526	696.502	696.471	696.435	696.383	696.381	696.373	696.353	696.330
D Elev. Top Of Beam													
D Dist. ~ Top Of Beam to Top Of Screed													
E Elev. Top Of Screed	696.581	696.536	696.482	696.416	696.350	696.326	696.295	696.259	696.208	696.205	696.197	696.177	696.154
E Elev. Top Of Beam													
E Dist. ~ Top Of Beam to Top Of Screed													



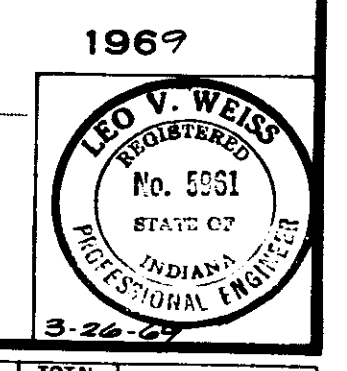
TYPICAL SECTION
 (Showing Control Points)

DEFLECTIONS

All Spans Same					
Line	1,5,9	2,6,10	3,7,11	4,8,12	5,9,13
Deflection .000	218	322	218	000	

INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *La V. Weiss*
 DRAWING: C₈ OF 8
 PROJECT: FT-F-95 (11)
 CONTRACT NO. R-95G9
 BRIDGE FILE: 41-86-5923



DESIGNED: J.A. FURL CKD: B.C.G.
 DRAWN: W.L.W. CKD: J.A.T.
 TRACED: CKD

Rev. 5-11-73 Note

November 6, 1961

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
F-95(1)	J	10	21	

