

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR D4	BRIDGE METALIZING 2013	VARIOUS	20	1
		ILLINOIS	CONTRACT NO. 68B25	

FOR INDEX OF SHEETS, SEE SHEET NO. 1
 1A & 1B SUMMARY OF QUANTITIES
 1C GENERAL NOTES
 2 - 20 PLAN DETAILS LOCATION 1-7

03-08-13 LETTING ITEM 096 STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

D-94-007-13

**PROPOSED
 HIGHWAY PLANS**

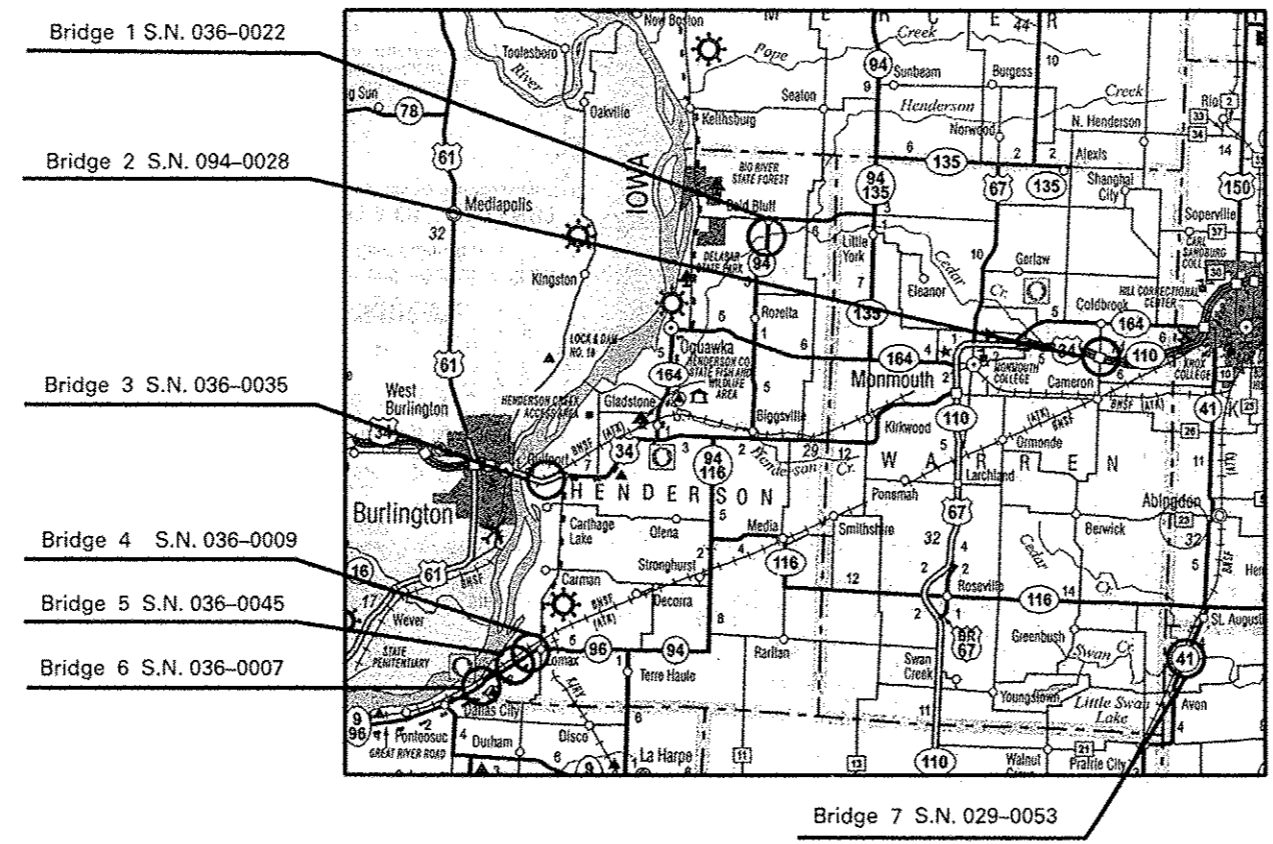
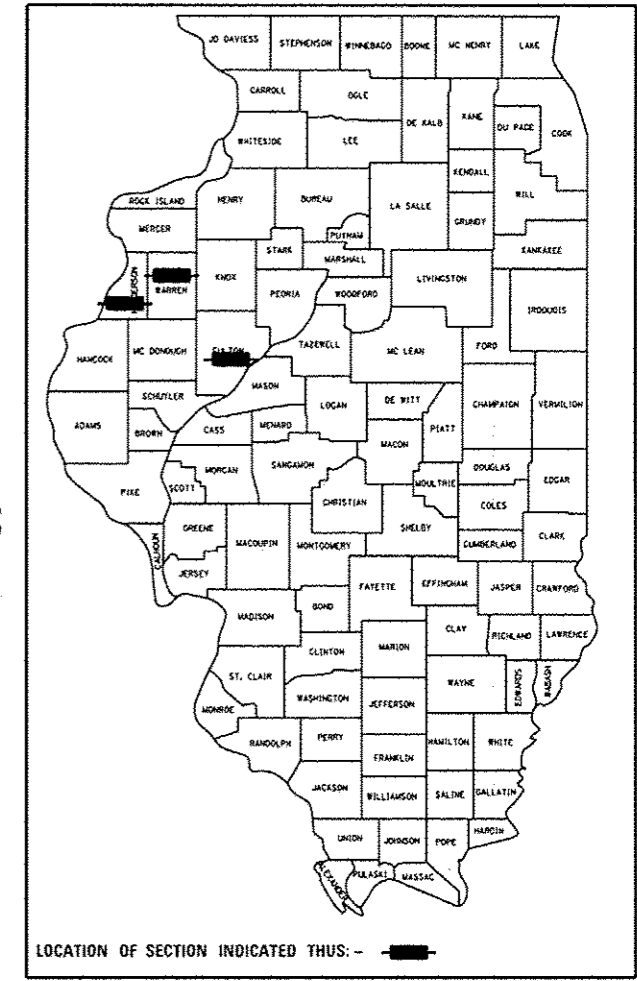
VARIOUS ROUTE
 SECTION D4 BRIDGE METALIZING 2013
 PROJECT N/A

TYPE of IMPROVEMENT METALIZING BEAM ENDS

HENDERSON, WARREN & FULTON COUNTIES

C-94-012-13

- HIGHWAY STANDARDS**
- 701006-04
 - 701106-02
 - 701101-03
 - 701201-04
 - 701400-06
 - 701406-06
 - 701901-02



ADT AND TRUCK
 LOCATION 1 375 AND 10.7%
 LOCATION 2 1250 AND 3%
 LOCATION 3 400 AND 2.5%
 LOCATION 4 -6 1950 ABD 4.7%
 LOCATION 7 2400 AND 4.2%

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER TOM INGLIS (309) 671-3481
 PROJECT MANAGER NICK JACK (309)671-4451

GROSS LENGTH = x.xx FT. = x.xxx MILE
 NET LENGTH = x.xx FT. = x.xxx MILE

CONTRACT NO. 68B25 CATALOG NO. 034881-00D

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *Dec 13 2012*

John D. Baranzolli PE/BC
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
 ENGINEER OF DESIGN AND ENVIRONMENT

Omer Osman PE/BC
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				VARIOUS FULTON	VARIOUS HENDERSON	VARIOUS WARREN
				0014	0014	0014
				100% STATE	100% STATE	100% STATE
67100100	MOBILIZATION	L SUM	1	0.15	0.7	0.15
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.15	0.7	0.15
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1		0.5	0.5
X0325381	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 1	L SUM	1		1	
X0325382	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 2	L SUM	1			1
X0325383	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 3	L SUM	1		1	
X0325384	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 4	L SUM	1		1	
X0325385	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 5	L SUM	1		1	
X0327378	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 6	L SUM	1		1	
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		1	
X5060603	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1		1	
X5060604	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1		1	
X5060605	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1		1	
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1			1

USER NAME - k...@hr	DESIGNED -	REVISED -
PLOT SCALE = 100,000 / in.	DRAWN -	REVISED -
PLOT DATE = 12-17-2012	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	*	VARIOUS	20	1A
			CONTRACT NO. 68B25	
ILLINOIS FED. AID PROJECT				

COMMITMENTS

No Commitments have been made for this project.

GENERAL NOTES

All Metalizing shall be as specified in the Special Provision for "Field Thermal Spraying Metalizing"
All beams, brackets and all other structural steel shall be cleaned per Near White Blast Cleaning
SSPC SP 10 according to the following schedule:

Bridge Locations 1 – 6. All beams, brackets and all other structural steel within 5 feet (as measured along the centerline of the bearing) either side of the deck joints. Bridge 7 shall be 10 feet

Bridge Location 1 – 7. All Fascia beams shall be painted Blue (Munsell No. 10B 3/6)

Bridge Location 1 – 6. All Underside beams shall be painted Blue.

Bridge Location 7. All Underside beams shall be painted Light Grey (Munsell No. 5B 7/1)

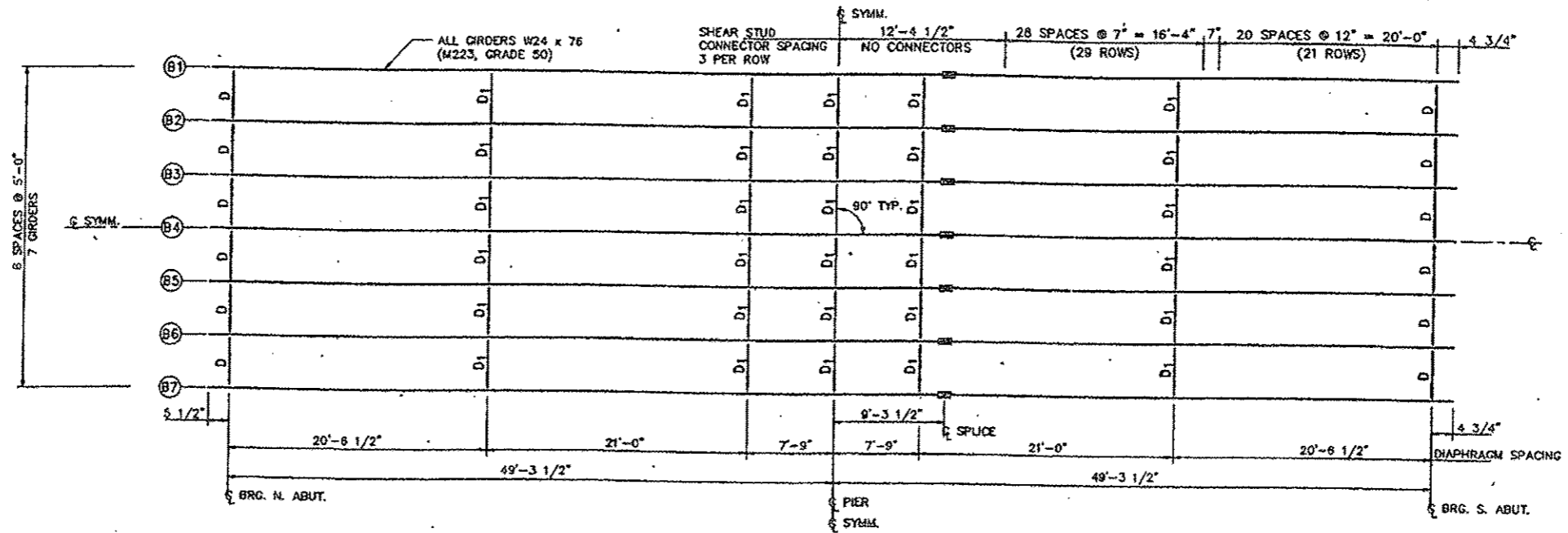
Top coat and Sealer shall be from the approved list from table one (1) of the Special Provisions.

AIR MONITORS – None for this project.

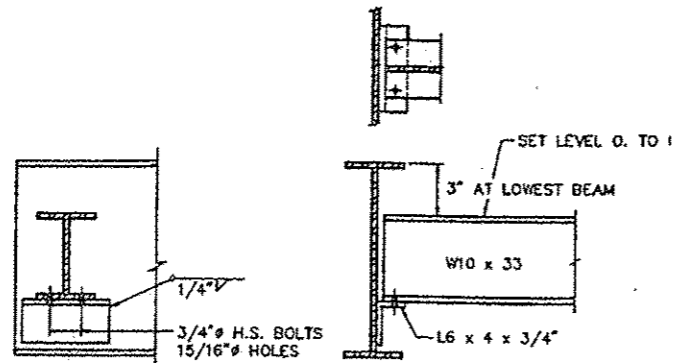
QP1 & QP2 Required for this Project.

FILE NAME * March 2013 Metalize.dgn	USER NAME * DEFAULT	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Commitments and General Notes	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MODELNAME*	PLOT SCALE * 0.8212 / / in.	DRAWN -	REVISED -			var 04 Bridge Metalizing 2013	Various	20	10	
	PLOT DATE * 12/13/2012	CHECKED -	REVISED -			CONTRACT NO. 60925		ILLINOIS/REG. AID PROJECT		
		DATE -	REVISED -			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____		

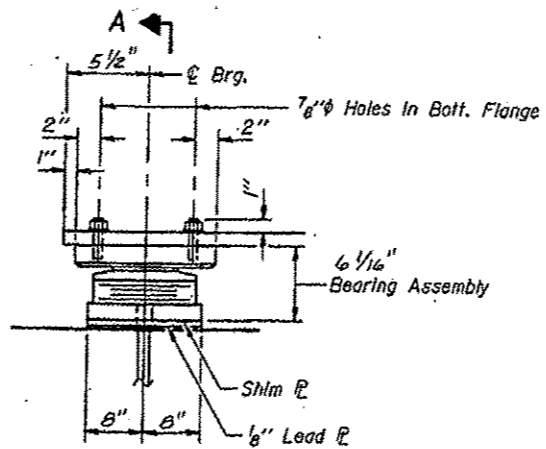
LOCATION 1 S.N. 036-0022 INFORMATION ONLY



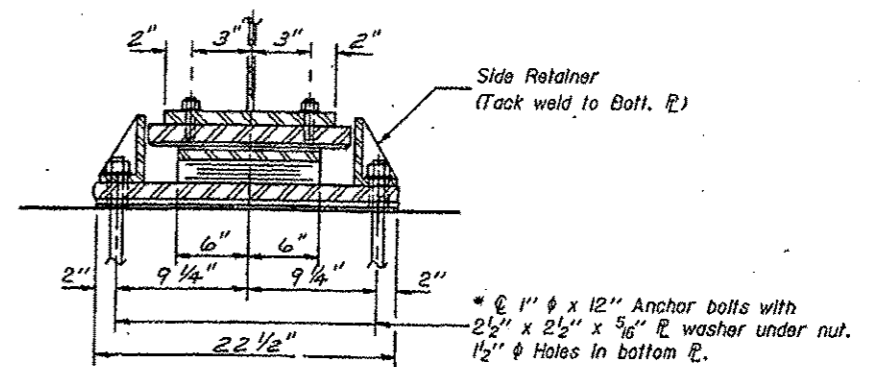
GIRDER LAYOUT



DIAPHRAGM D
12 REQUIRED



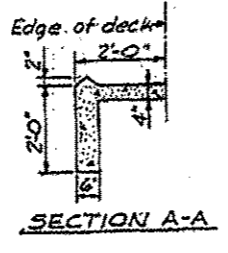
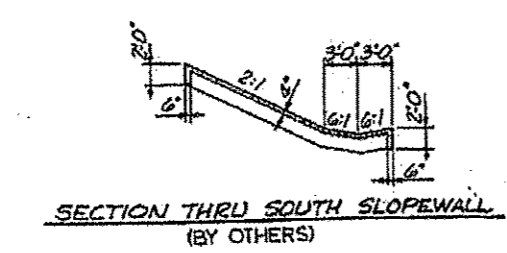
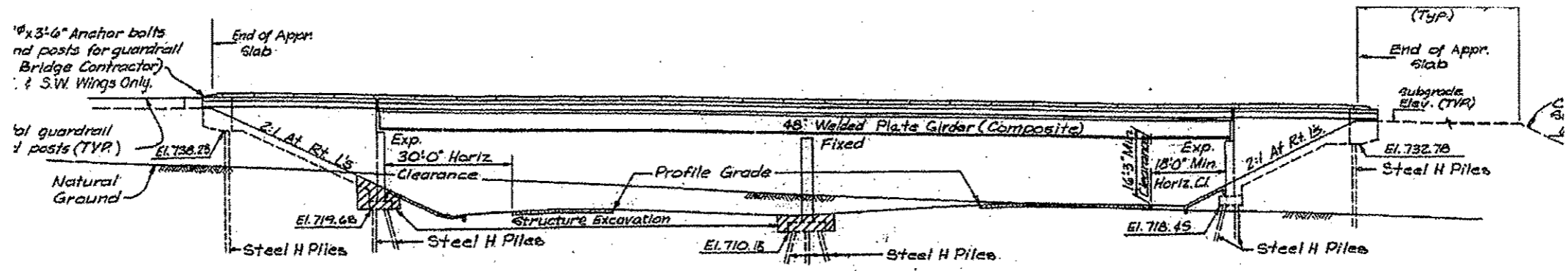
ELEVATION AT EA ABUT.
(14 Required)



SECTION A-A

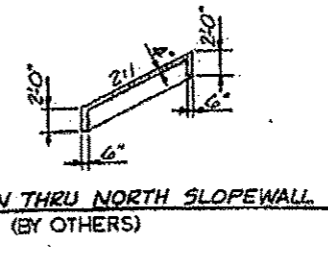
P.R.E NAME March 2013 Metalize.dgn	USER NAME * DEFAULT	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 1 FRAMING PLAN, DIAPHRAGMS & BEARINGS INFORMATION ONLY	SECTION var D4 Bridge Metalizing 2013	COUNTY Various	TOTAL SHEETS 3	SHEET NO. 3
MODEL NAME	PLOT SCALE * 8.0288' / in.	CHECKED -	REVISED -	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	CONTRACT NO. 68B25 ILLINOIS FED. AID PROJECT				
PLOT DATE * 12/11/2012	DATE -	DATE -	REVISED -						

LOCATION 2 S.N. 094-0028 INFORMATION ONLY

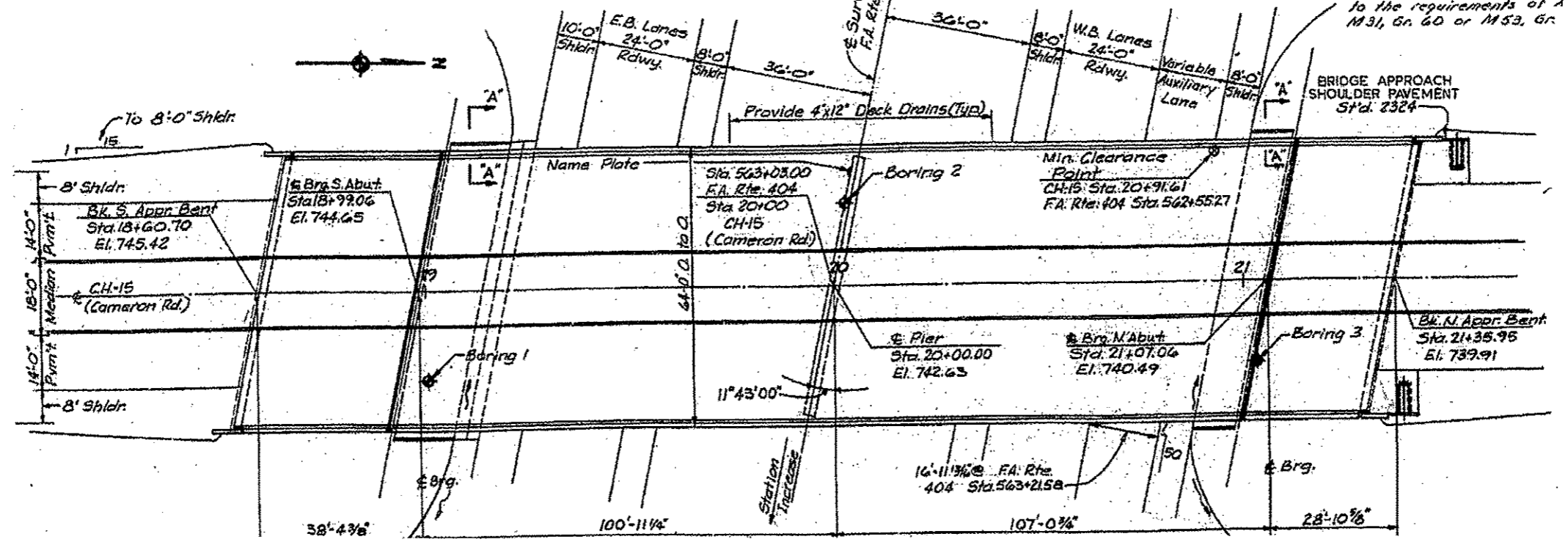


ELEVATION

DESIGN STRESSES
 F_s = 29,000 p.s.i. (Struct. Steel, AASHTO, M183)
 Deck Slab, Load Factor Design
 F_c = 3500 p.s.i.
 F_y = 60,000 p.s.i. (Reinf.)
 Substructure, Curb & Parapets, Service Load Design:
 F_c = 1400 p.s.i.
 F_s = 20,000 p.s.i. (Reinf.)
 V_c = 56.2 p.s.i.
 n = 9



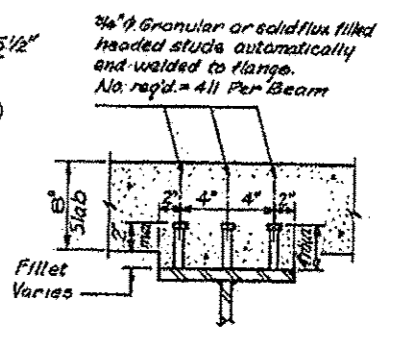
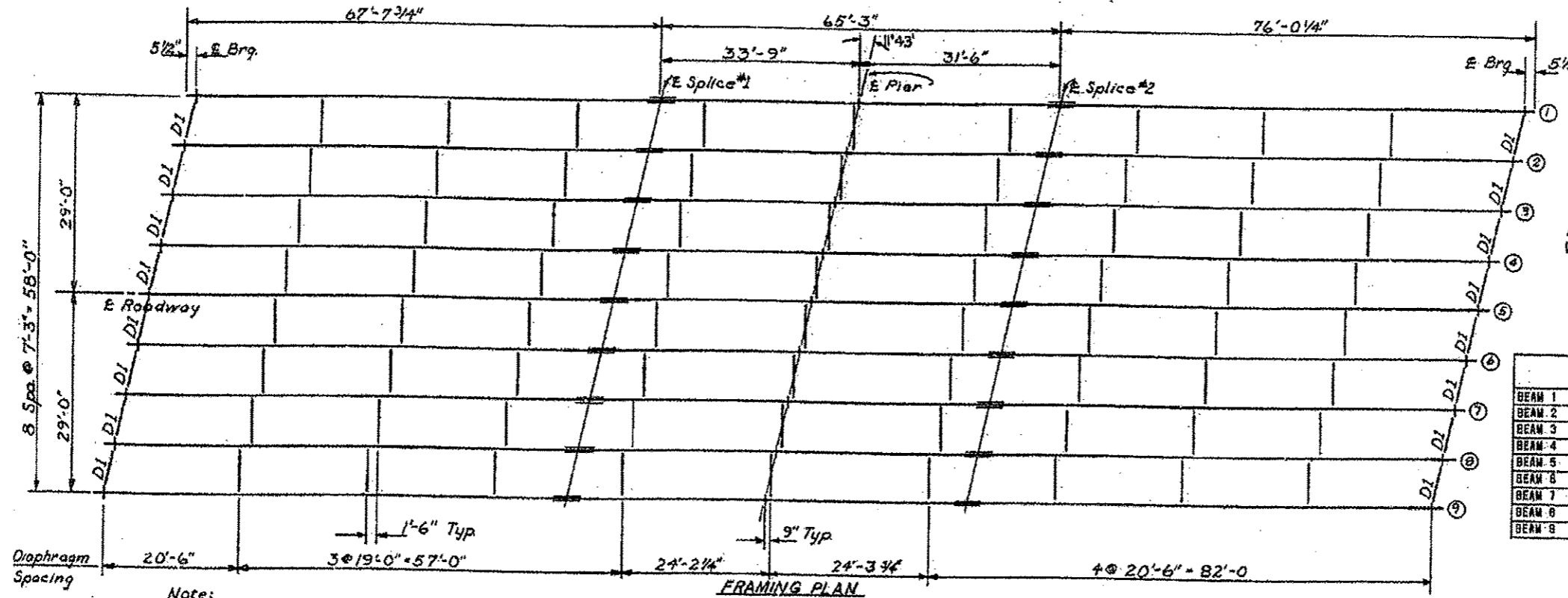
Reinforcement bars use superstructure deck steel to the requirements of A M 31, Gr. 60 or M 53, Gr.



FILE NAME * March 2013 Metalize.dgn	USER NAME * DEFAULT	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 2 ELEVATION VIEW INFORMATION ONLY	F.A. RTE. var D4 Bridge Metalizing 2013	SECTION Various	COUNTY Various	TOTAL SHEETS 20	SHEET NO. 4
MODEL NAME *	PLOT SCALE * 0.0218" = 1'	DRAWN -	REVISED -	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 68825 <small>(ILLINOIS) FED. AID PROJECT</small>		

LOCATION 2 S.N. 094-0028 INFORMATION ONLY

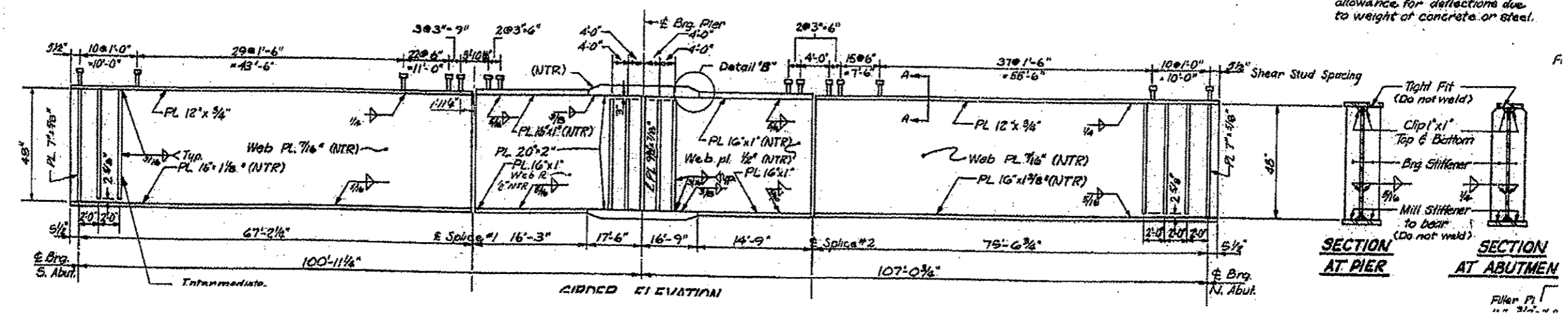
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TOP OF WEB ELEVATIONS

	± BRG. S. ABUT.	± SPLICE-1	± PIER	± SPLICE 2
BEAM 1	743.148	741.804	741.004	740.488
BEAM 2	743.322	741.978	741.178	740.874
BEAM 3	743.488	742.122	741.322	740.817
BEAM 4	743.809	742.388	741.488	740.881
BEAM 5	743.789	742.409	741.809	741.104
BEAM 6	743.888	742.328	741.528	741.021
BEAM 7	743.888	742.242	741.442	740.937
BEAM 8	743.603	742.189	741.358	740.854
BEAM 9	743.388	742.048	741.245	740.740

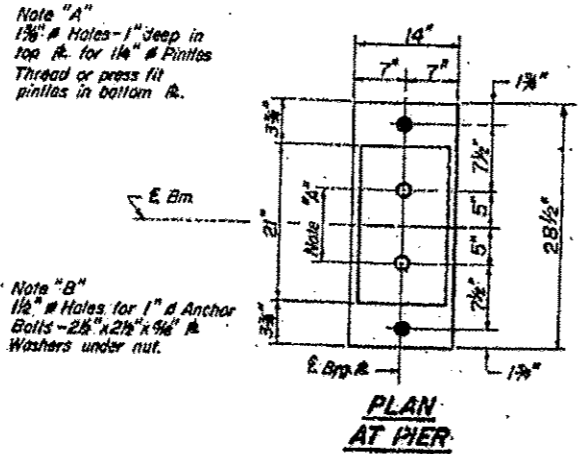
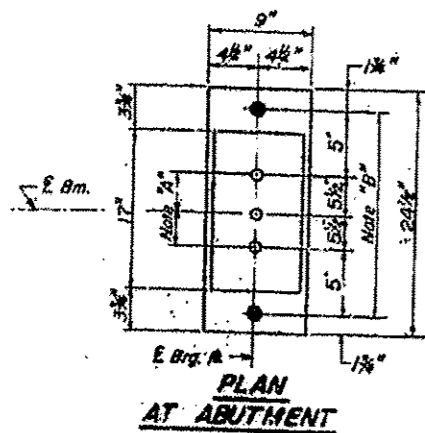
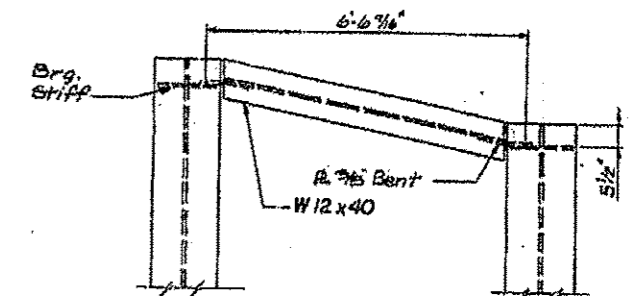
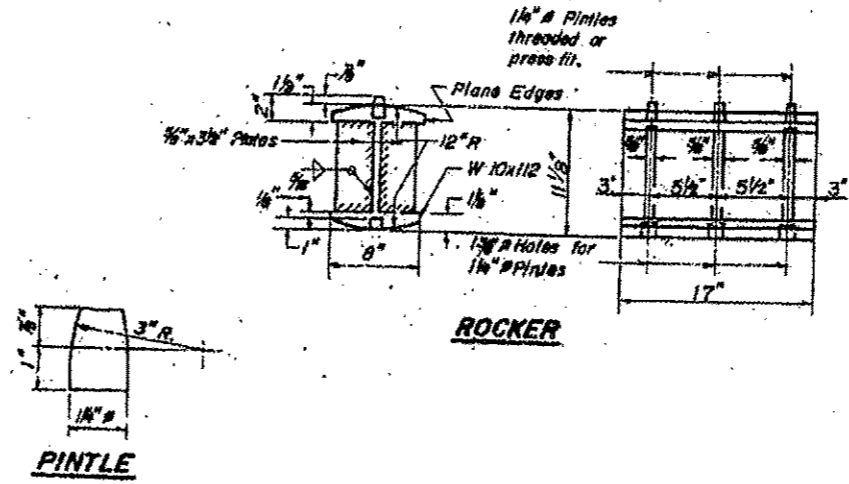
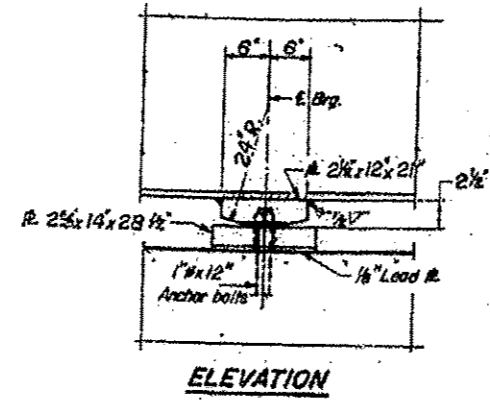
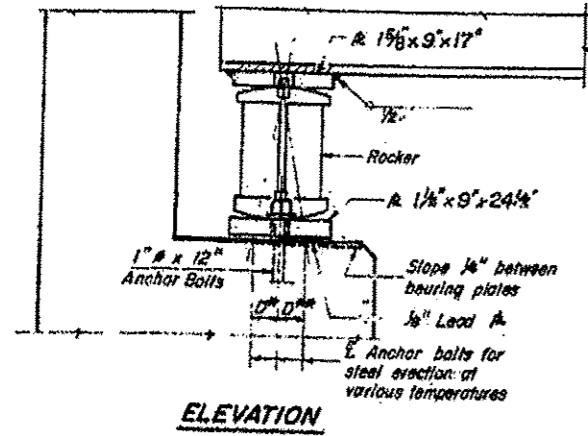
The above elevations are for fabrication of structural steel and do not include any allowance for deflections due to weight of concrete or steel.



SECTION AT PIER **SECTION AT ABUTMEN**

LOCATION 2 S.N. 094-0028 INFORMATION ONLY

DEPARTMENT OF TRANSPORTATION



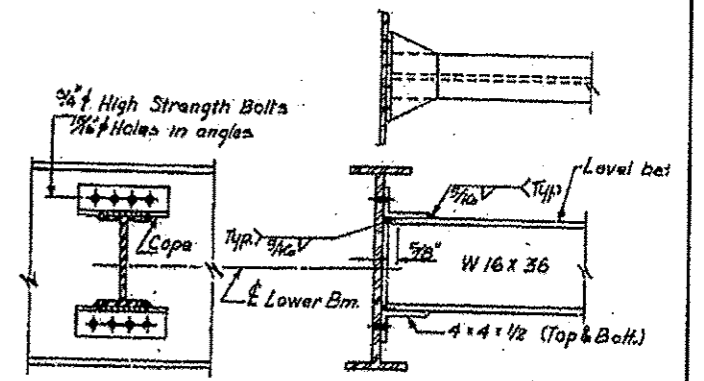
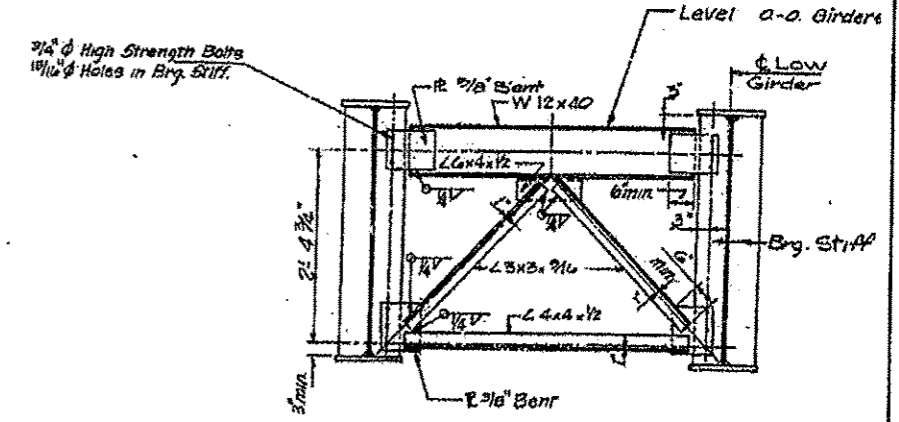
INTERIOR GIRDER MOMENT TABLE

	0.4 Sp. 1	Pier	0.6 Sp. 2
I_x (in ⁴)	19205	84608	20772
I_y (in ⁴)	5159	—	57583
S_x (in ³)	937.6	2100.3	1084.8
S_y (in ³)	1273.4	—	1442.4
R_x (K)	0.960	0.960	0.960
M_x (K)	522.2	-1628.5	669.0
M_y (K)	6.00	9.30	7.40
V_x (K)	0.575	0.575	0.575
M_x (K)	392.0	-777.4	4.79.9
M_y (K)	826.2	-807.3	8.75.8
M_{max} (K)	182.8	-176.3	188.7
Total (K)	1401.0	-1761.0	1544.4
V_x (K)	13.520	10.00	12.940
V_y (K)	20.20	19.90	20.34
V_R (K)	57.2	—	56.7

INTERIOR GIRDER REACTION TABLE

	S. Abut.	Pier	N. Abut.
R_x (K)	53.6	205.8	59.6
R_y (K)	46.8	75.8	47.1
T_{max} (K)	10.3	16.6	10.2
R Total (K)	110.7	298.2	116.9

I_x and S_x are the moment of inertia and section modulus of the steel section.
 I_y and S_y are the moment of inertia and section modulus of the composite section used in computing I_x .
 V_R is the maximum \pm impact shear range in span.
 (3) Stresses for superimposed dead load are based on composite section utilizing $n=30$. Values of I_c and S_c are 36767. In⁴ and 1172.3 In³ respectively for Span 1, and 40521. In⁴ and 1353.5 In³ respectively for Span 2.



Note: Hardened washers shall be required over 1 1/2 inch holes in angles and brg. stiff.

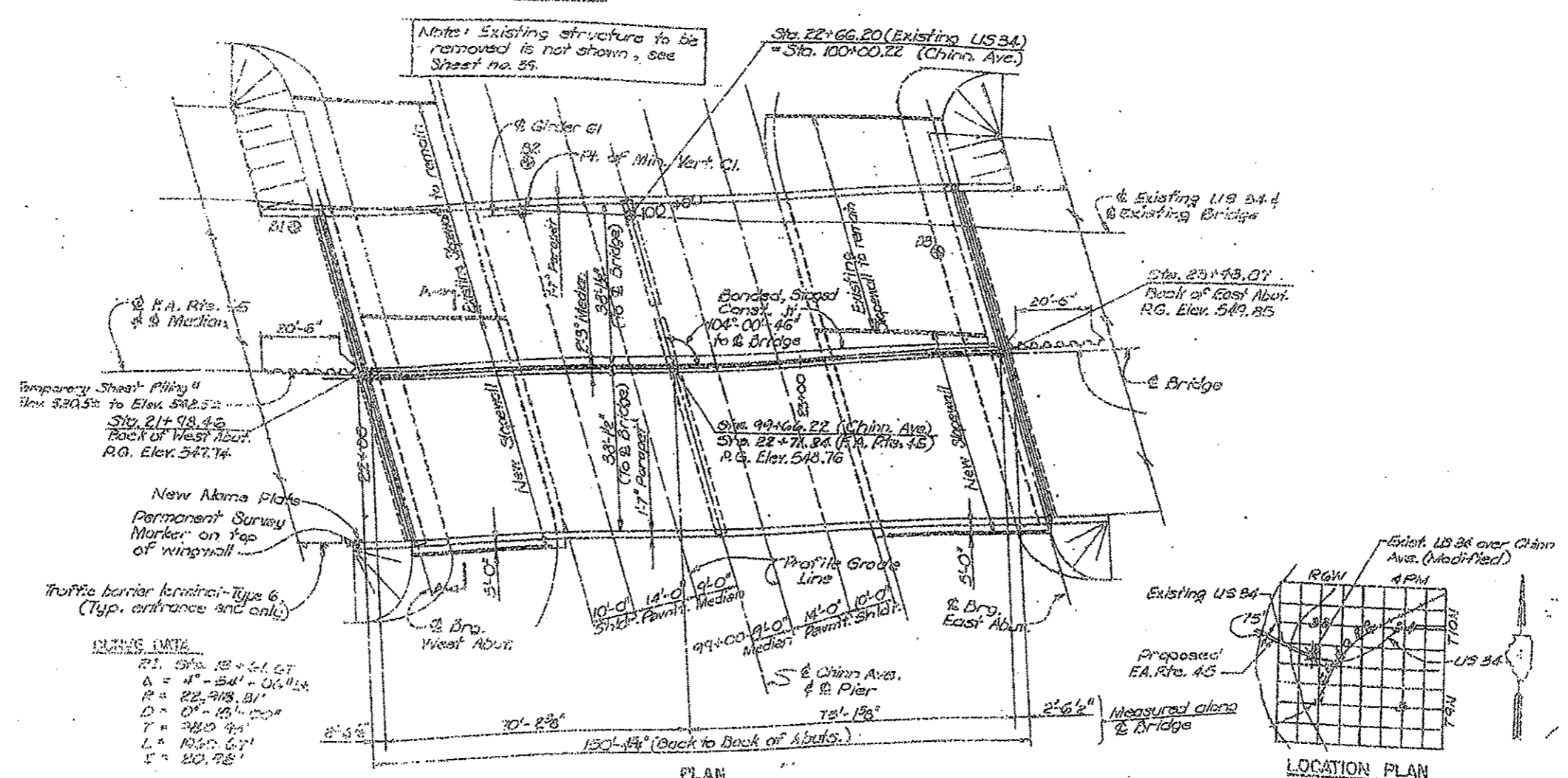
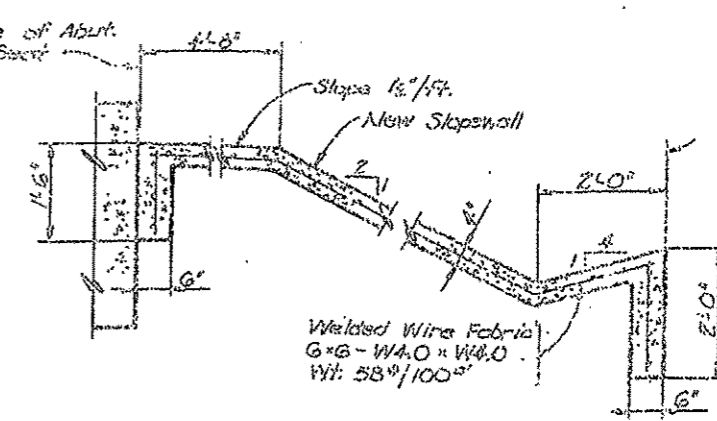
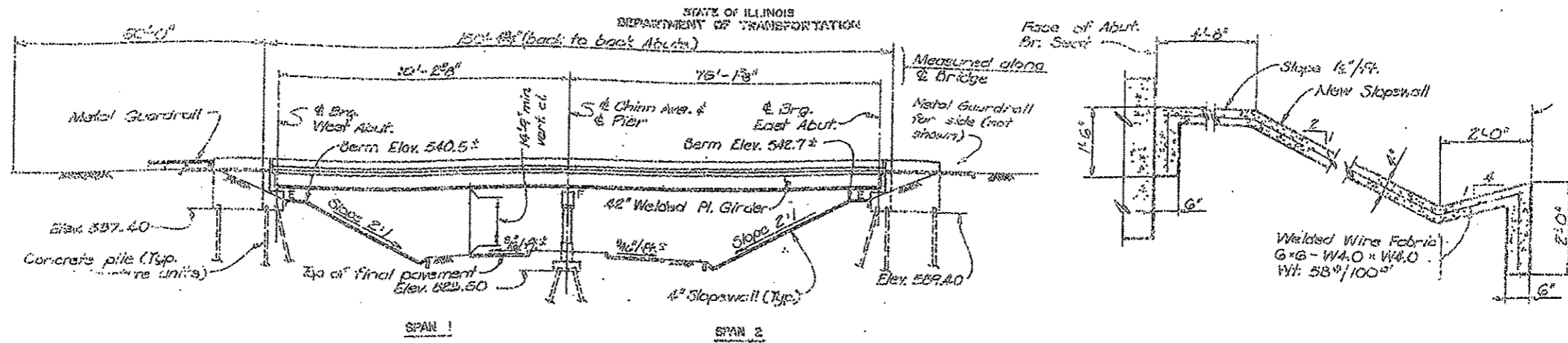
NOTES FOR SETTING OF ANCHOR BOLTS AT EXPANSION BEARINGS

a.1 D^* (Side of brg. away from fixed brg.)
 $D^* = 1/8$ inch per each 100° of expansion for every 15° fall below the normal temp. of 50° F.

D^{**} (Side of brg. toward fixed brg.)
 $D^{**} = 1/8$ inch per each 100° of expansion for every 15° rise above the normal temp. of 50° F.

b.1 After beams have been erected and dimensions D^* & D^{**} determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

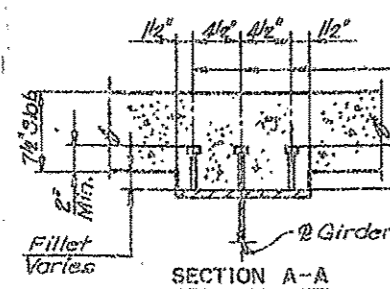
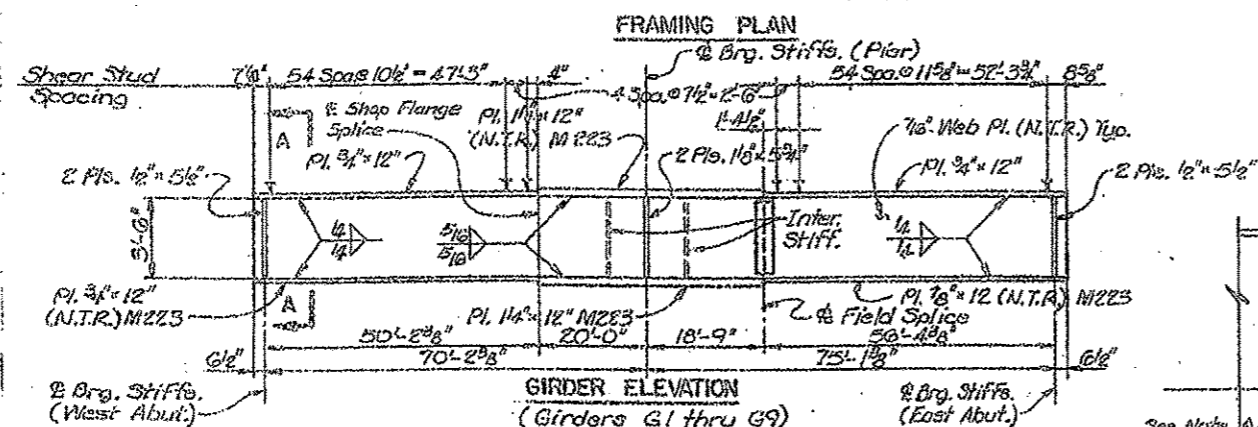
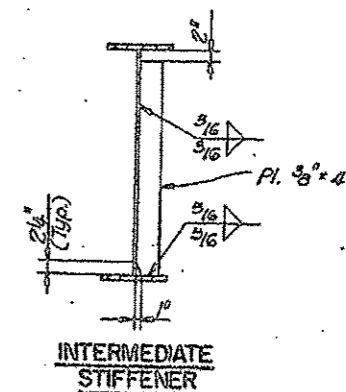
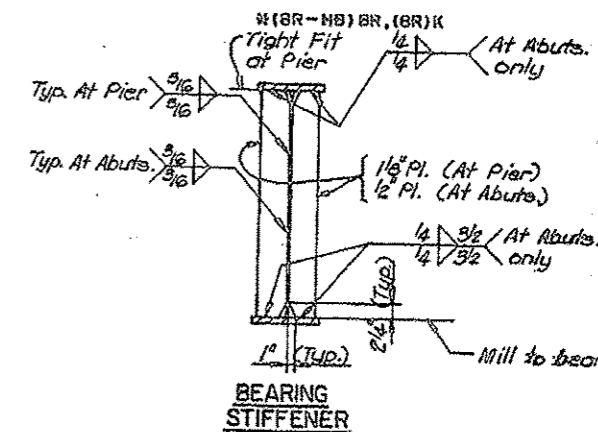
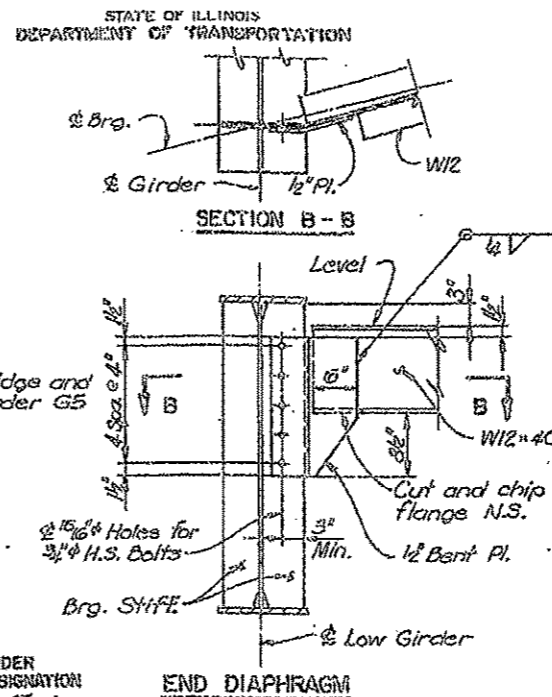
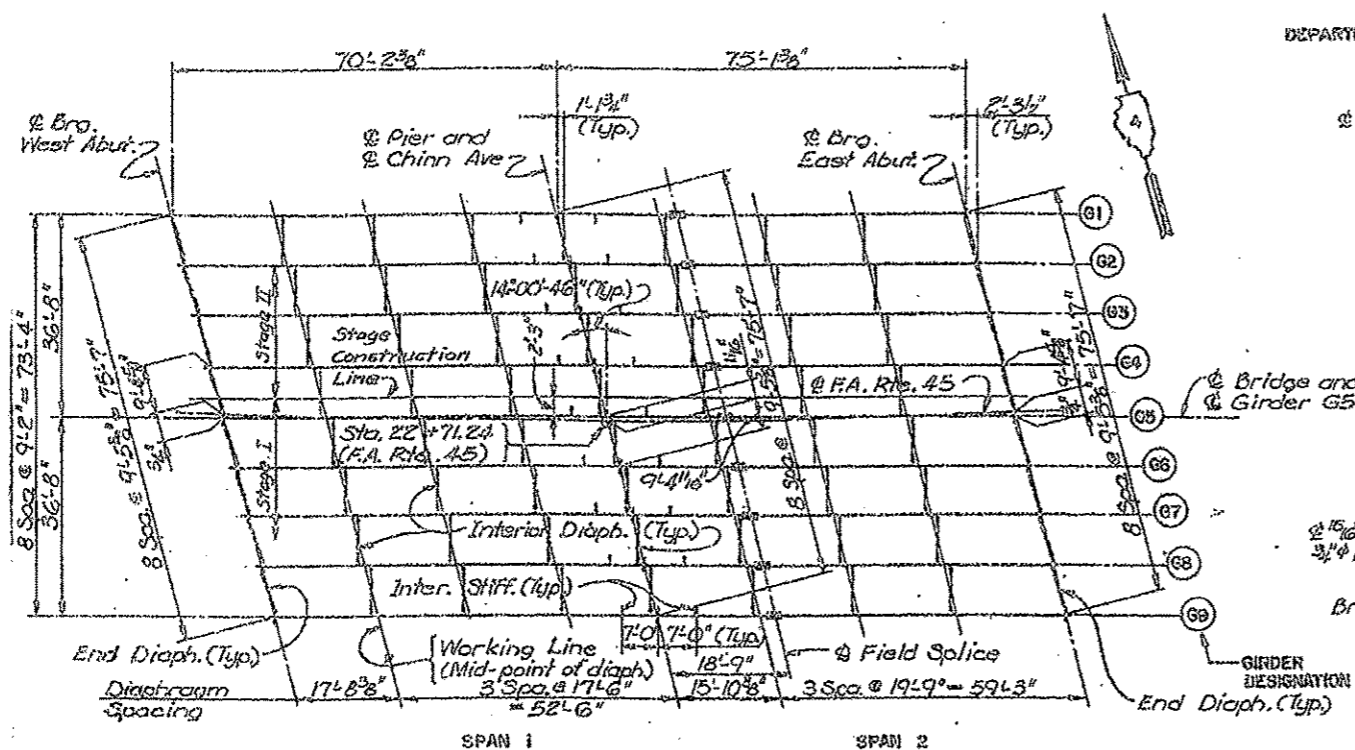
LOCATION 3 S.N. 036-0035 INFORMATION ONLY



CURVE DATA

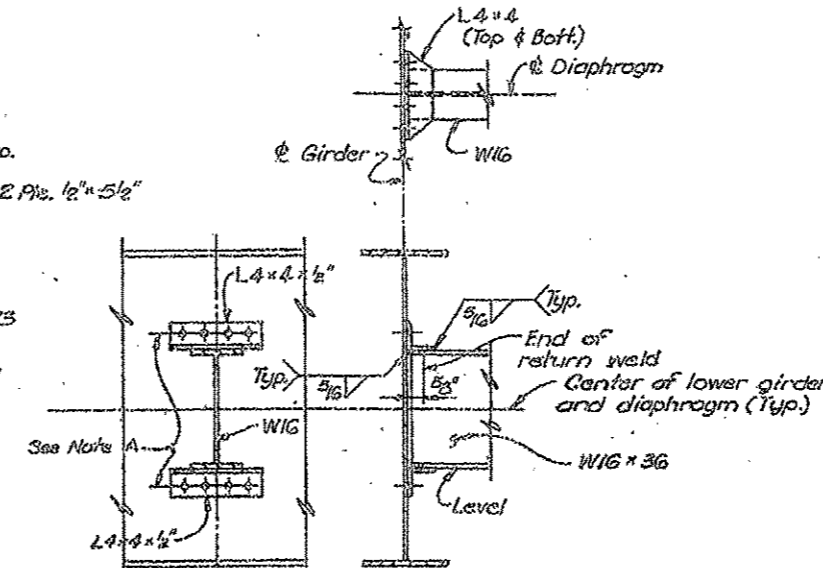
R1	574.13 + 1.67
Δ	4° - 54' - 06.41"
R	22,418.81'
D	0° - 15' - 00"
T	382.94'
L	1425.67'
E	20,281'

LOCATION 3 S.N. 036-0035 INFORMATION ONLY



Note: N.T.R. denotes plates which are subject to Notch Toughness Requirements.

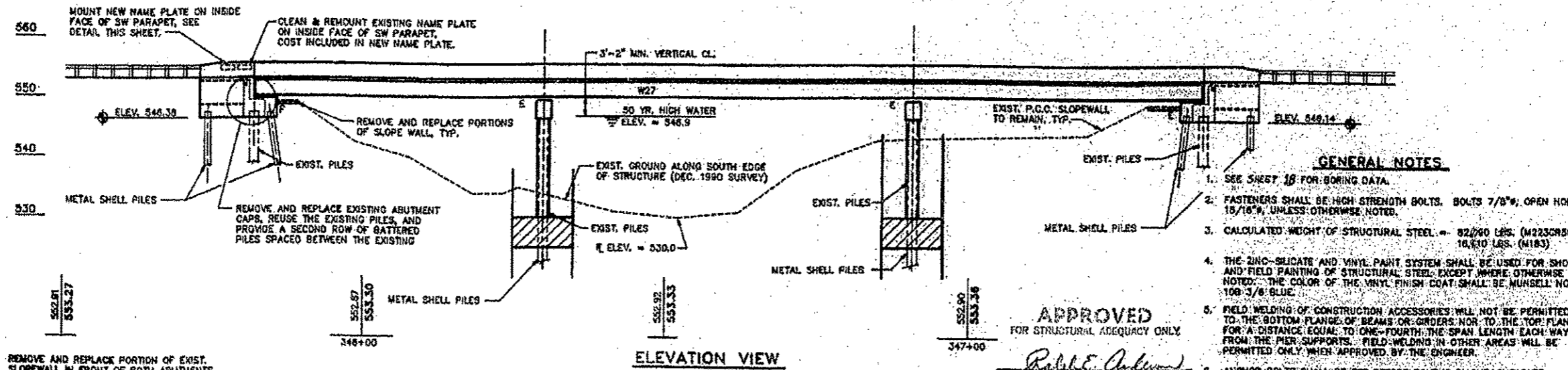
3/4" Granular or solid flux filled headed studs automatically end welded. (No. Req'd. = 5,186)



Note A: 1/2" Holes for 3/4" H.S. Bolts typical except 1/16" x 1/16" vertical slotted holes for 3/4" H.S. Bolts in L4x4 at south end of diaphragm between G4 and G5. The bolts for the slotted holes shall only be finger-tightened prior to the deck slab pouring and then be fully-tightened after the completion of the pouring.

FILE NAME March 2013 Metalize.dgn	USER NAME DEFAULT	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 3 FRAMING PLAN - INFORMATION ONLY	F.A. RITE. var D4 Bridge Metalizing 2013	COUNTY Various	TOTAL SHEETS 20	SHEET NO. 8
MODELNAME	PLOT SCALE 0.8212 / 1 in.	CHECKED ---	REVISOR ---	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 68B25		ILLINOIS FED. AID PROJECT	

LOCATION 4 S.N. 036-0009 INFORMATION ONLY

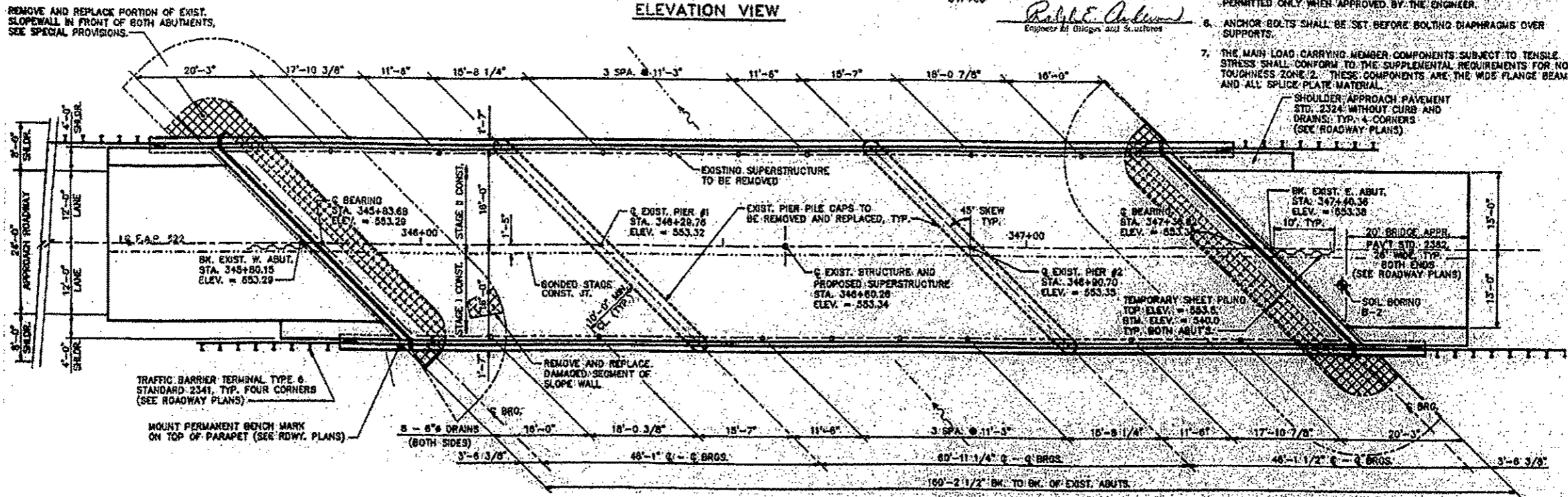


ELEVATION VIEW

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Arlt
Engineer of Design and Structures

GENERAL NOTES

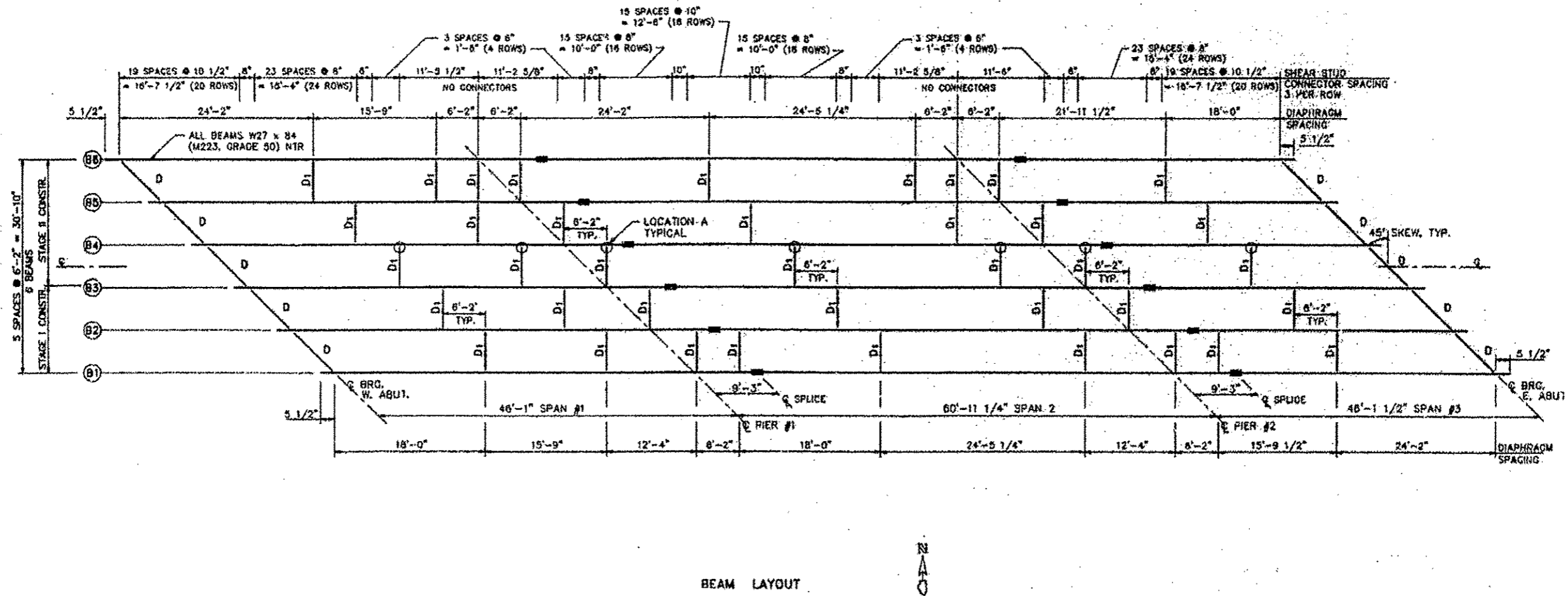
1. SEE SHEET 18 FOR BORING DATA.
2. FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 7/8"; OPEN HOLE 15/16", UNLESS OTHERWISE NOTED.
3. CALCULATED WEIGHT OF STRUCTURAL STEEL = 82,740 LBS. (W223C85C 16,810 LBS. (M183))
4. THE ZINC-BLENDED AND VINYL PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE VINYL FINISH COAT SHALL BE MUNSELL NO. 100-3/6 BLUE.
5. FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS OR GIRDERS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.
6. ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.
7. THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NO TOUGHNESS ZONE. 2. THESE COMPONENTS ARE THE WIDE FLANGE BEAM AND ALL SPLICE PLATE MATERIAL.



FILE NAME March 2013 Metalste.dgn	USER NAME DEFAULT	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 4 ELEVATION VIEW INFORMATION ONLY	SCALE var D4 Bridge Metalizing 2013	SECTION Various	COUNTY Various	TOTAL SHEETS 20	SHEET NO. 10	CONTRACT NO. 68825	
MODEL NAME	PLOT SCALE 0.003117 in.	CHECKED ---	REVISED ---			SCALE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

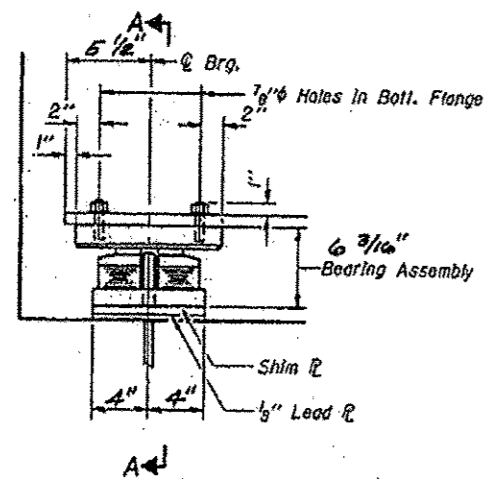
LOCATION 4 S.N. 036-0009 INFORMATION ONLY

DEPARTMENT OF TRANSPORTATION

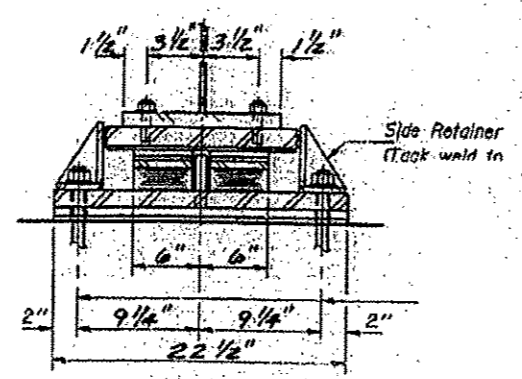


FILE NAME March 2012 Metalize.dgn	USER NAME DEFAULT	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 4 FRAMING PLAN - INFORMATION ONLY	P.L. RTE. var D4 Bridge Metalizing 2013	SECTION Various	COUNTY Various	TOTAL SHEETS 20	SHEET NO. 11		
#MODELNAME	PLOT SCALE 0.8221 / in	CHECKED ---	REVISED ---			SCALE	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 68B25		
PLOT DATE 12/11/2012	DATE ---	REVISED ---	REVISED ---			ILLINOIS FED. AID PROJECT						

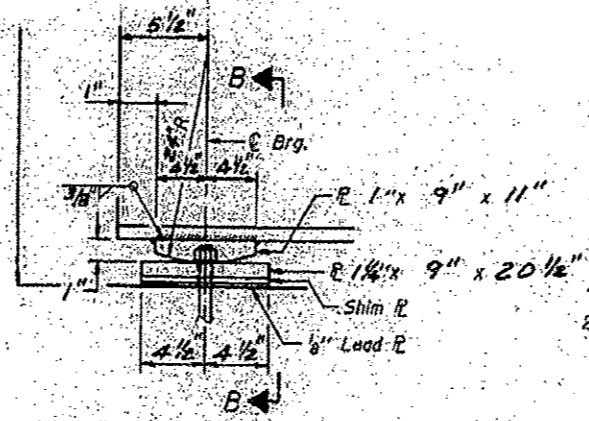
LOCATION 4 S.N. 036-0009 INFORMATION ONLY



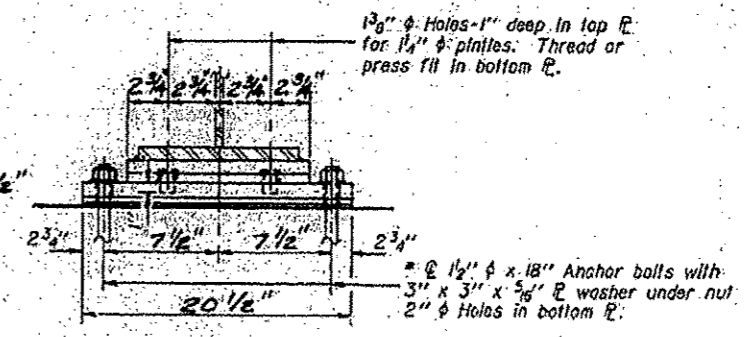
ELEVATION AT EAST ABUT.



SECTION A-A

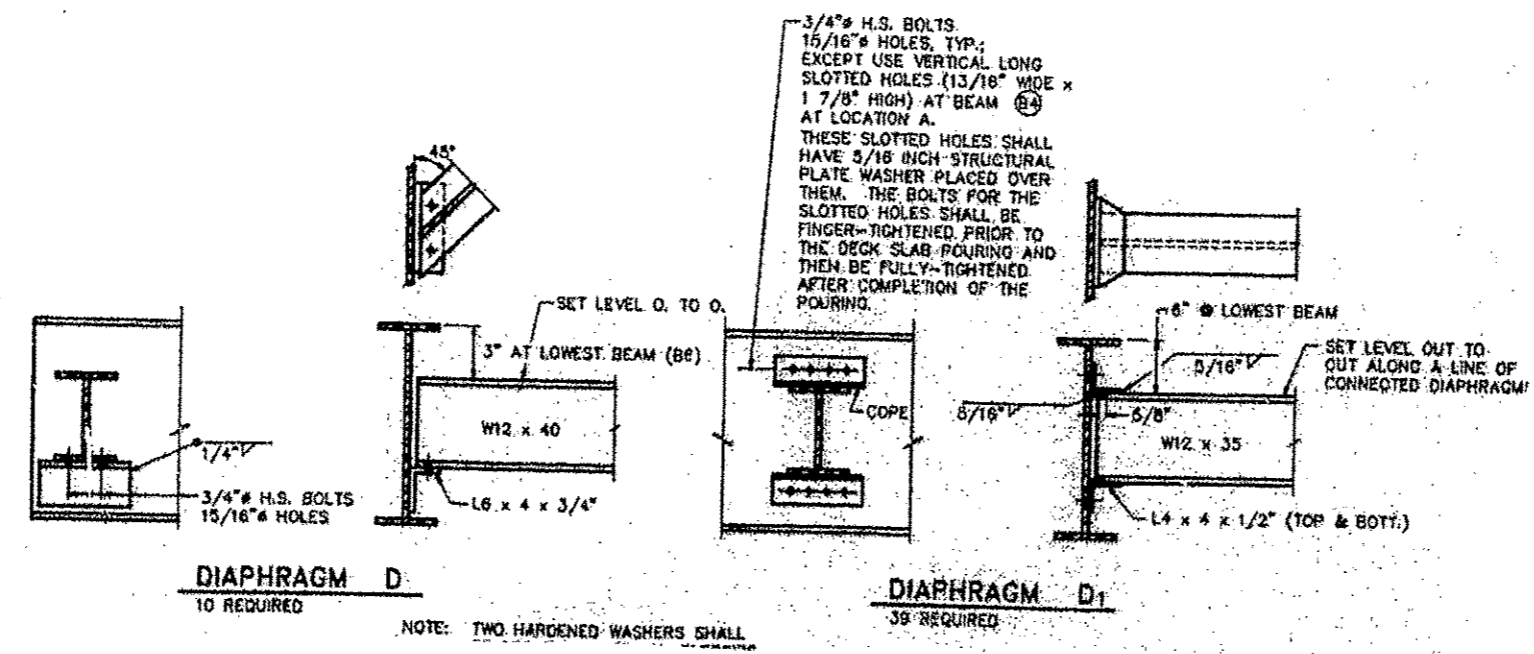


ELEVATION AT WEST ABUT.



SECTION B-B

**FIXED BEARING AT WEST ABUTMENT
(6 Required)**

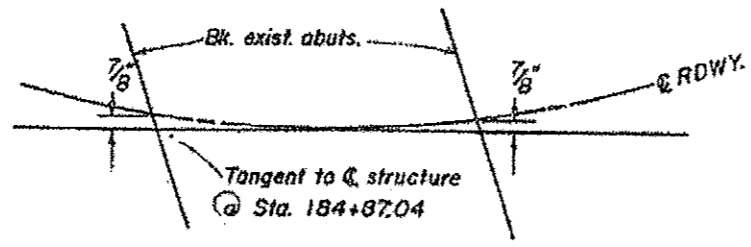
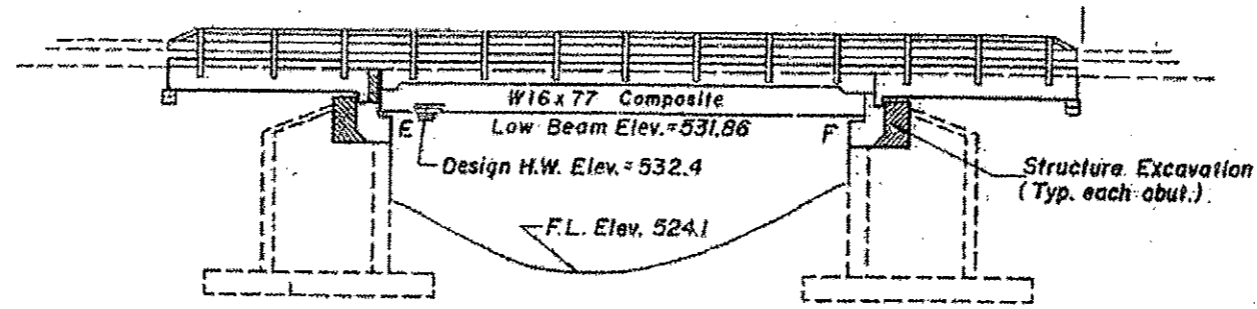


**DIAPHRAGM D
10 REQUIRED**

**DIAPHRAGM D1
39 REQUIRED**

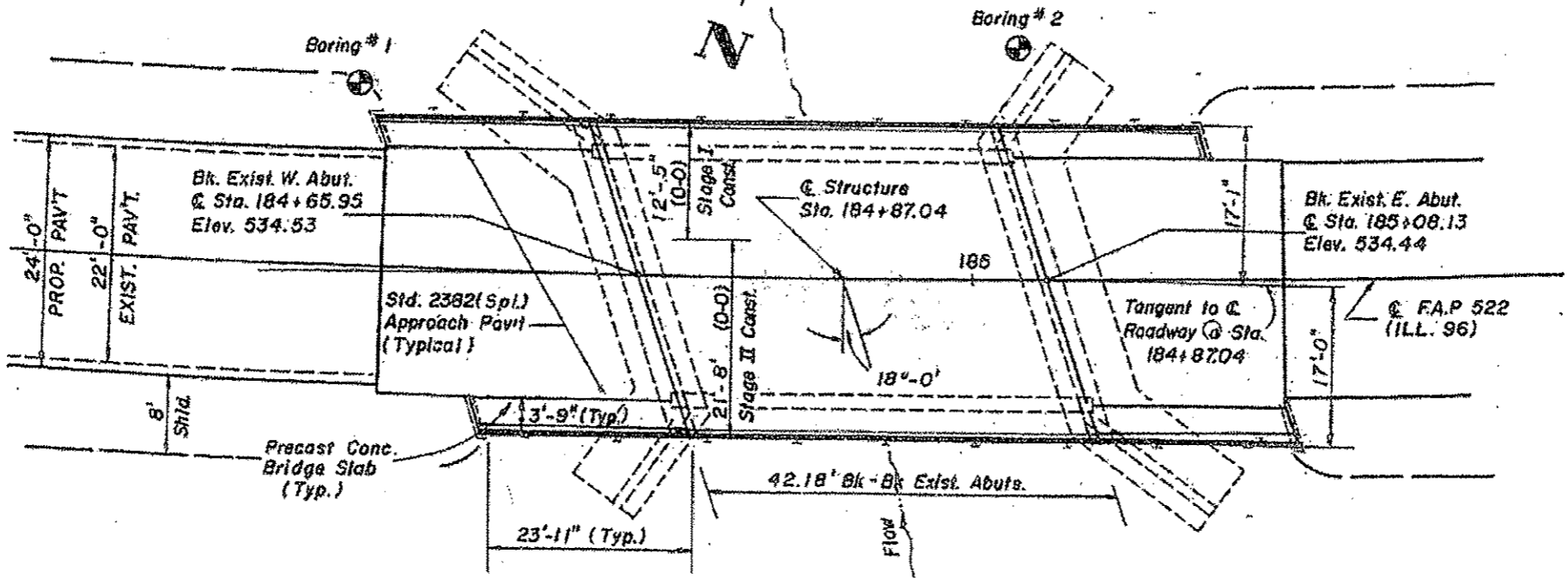
FILE NAME March 2012 Metalize.dgn	USER NAME DEFAULT	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 4 BEARING & DIAHRAGMS INFORMATION ONLY	SCALE ---	SHEET ---	OF SHEETS ---	STA. ---	TO STA. ---	SECTION var 04 Bridge Modernizing 2013	COUNTY Various	TOTAL SHEETS 20	SHEET NO. 12						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">DRAWN ---</td> <td style="width: 50%;">REVISED ---</td> </tr> <tr> <td>CHECKED ---</td> <td>REVISED ---</td> </tr> <tr> <td>DATE ---</td> <td>REVISED ---</td> </tr> </table>				DRAWN ---	REVISED ---	CHECKED ---	REVISED ---	DATE ---	REVISED ---	CONTRACT NO. 60B25 ILLINOIS FED. AID PROJECT										
DRAWN ---	REVISED ---																			
CHECKED ---	REVISED ---																			
DATE ---	REVISED ---																			

LOCATION 6 S.N. 036-0007 INFORMATION ONLY



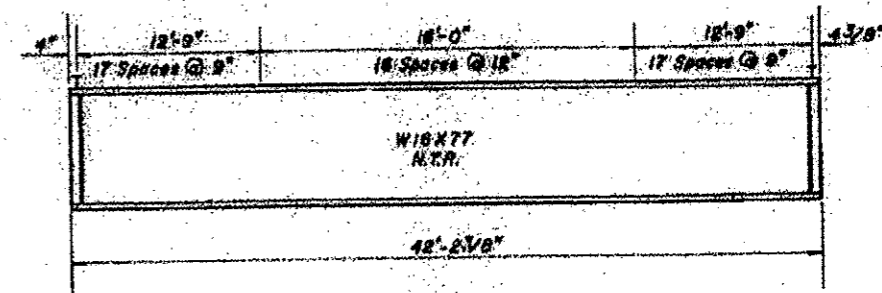
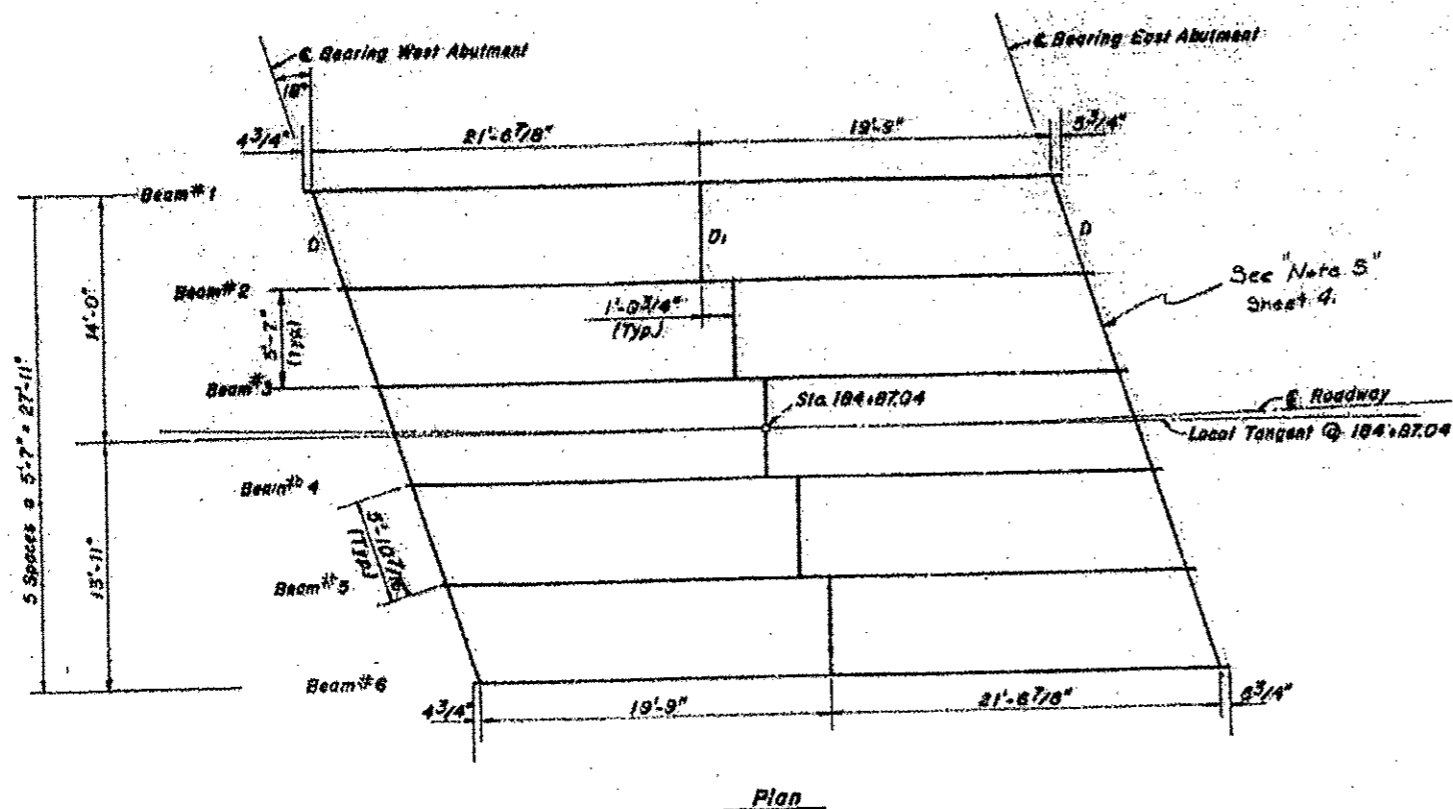
Curve Data

$\Delta = 18^\circ 48' 43''$
 $R = 2932.40'$
 $T = 485.77'$
 $D = 1^\circ 57' 14''$
 $L = 962.79'$
 $PI = 186+58.3$
 $S.E. = 0.040'/ft.$

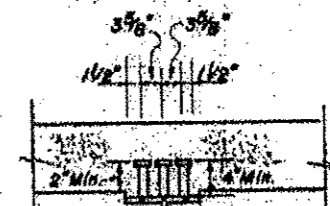


FILE NAME March 2013 Metalize.dgn	USER NAME DEFAULT	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 6 ELEVATION VIEW INFORMATION ONLY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
MODEL NUMBER	PLOT SCALE = 0.0218" / 1'	DRAWN ---	REVISOR ---		SCALE	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 66B25
	PLOT DATE = 12/11/2012	CHECKED ---	DATE ---								
											ILLINOIS FED. AID PROJECT

LOCATION 6 S.N. 036-0007 INFORMATION ONLY

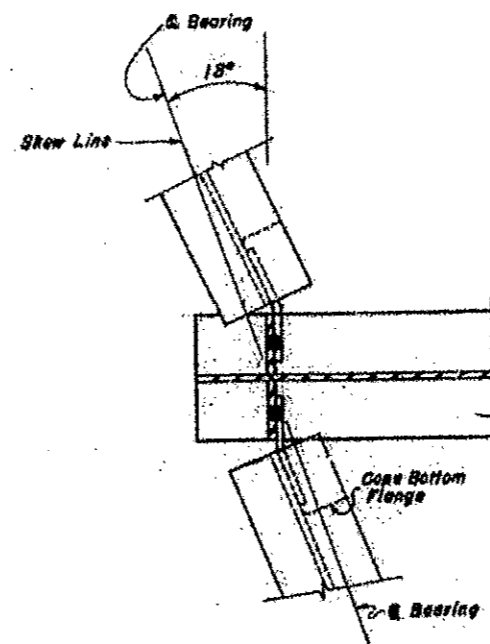


N.T.R. = Notch-Toughness Requirement

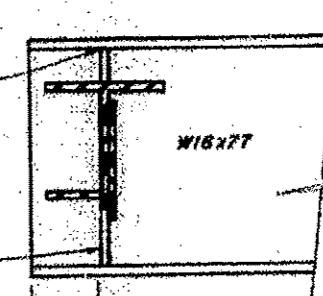


3/4" ϕ x 4" C.R. 10RQ
Steel granular or solid
flax headed studs.
Automatically and welded.

Shear Connectors
No. Req'd. ea. beam = 153

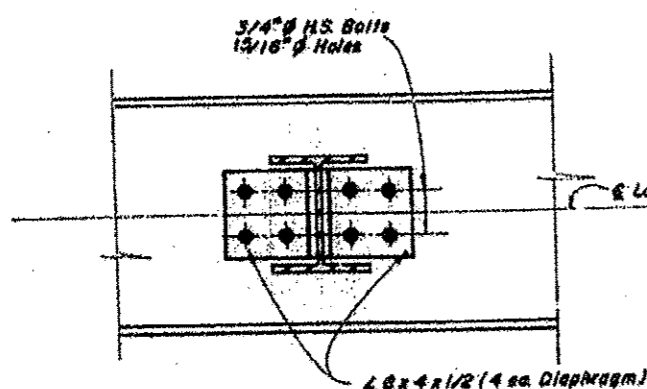


Tight Fit

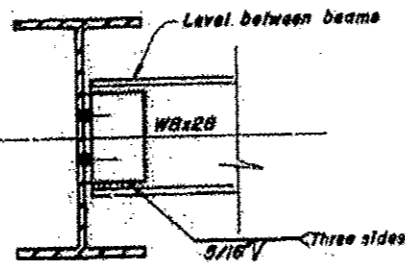


Connection E.
5" x 1/2"
(Omit facia side)

43/16" West Abut.
43/16" East Abut.
Bearing

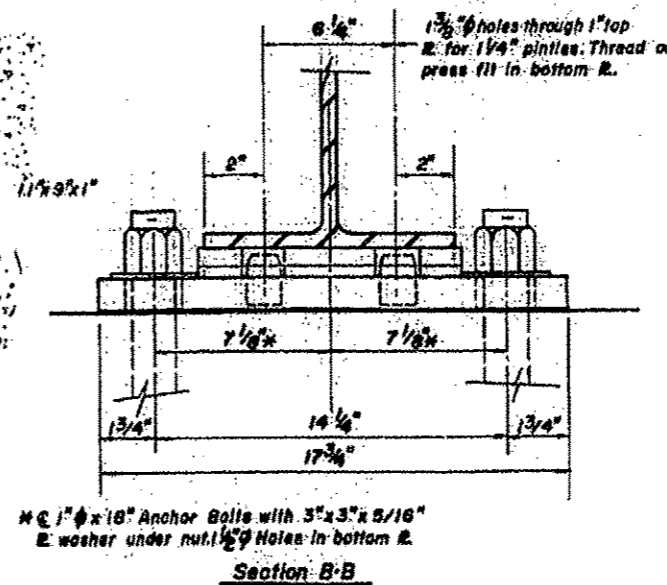
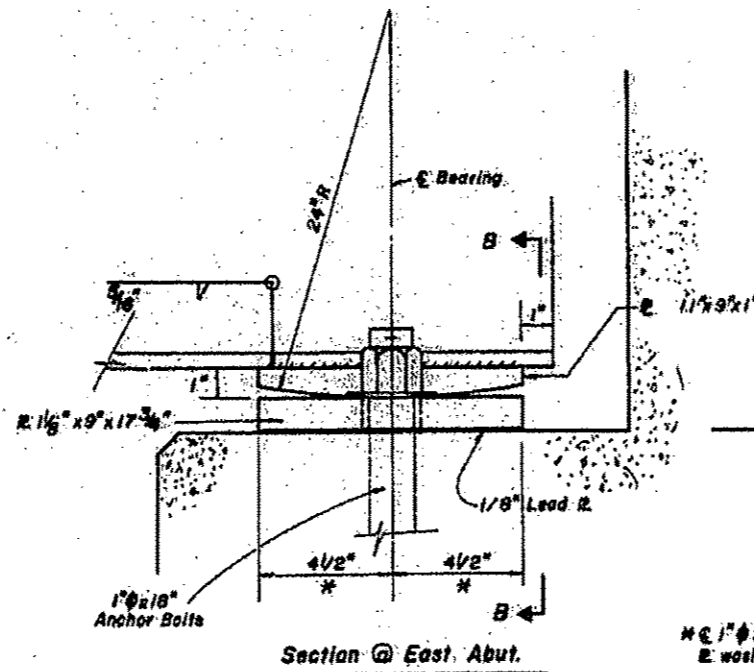
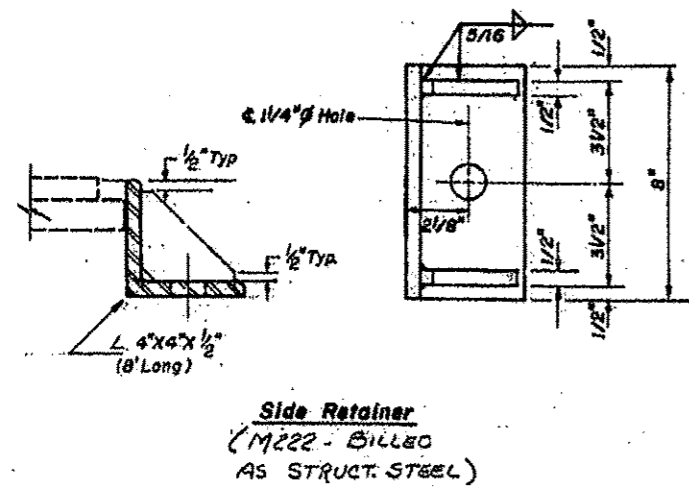
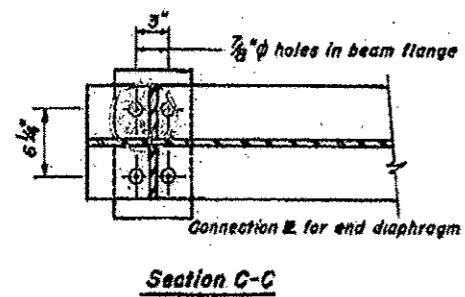
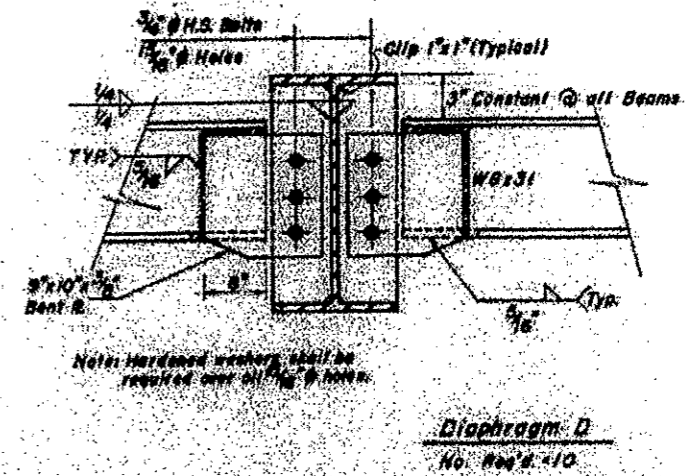
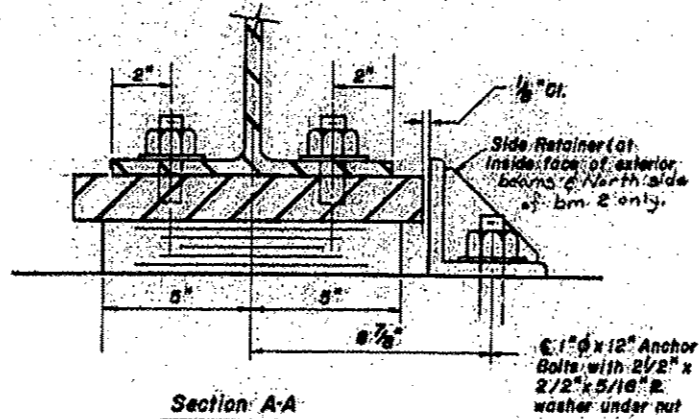
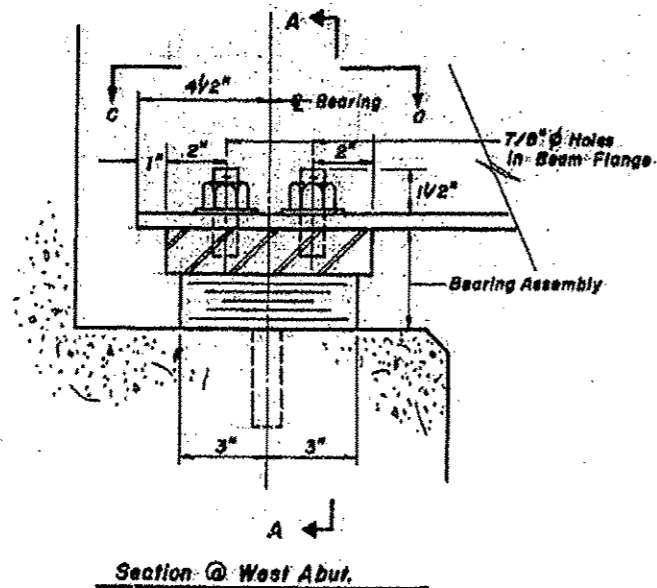


Diaphragm D1
No. Req'd. = 3



FILE NAME March 2013 Metalize.dgn	USER NAME DEFAULT	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 6 FRAMING PLAN - INFORMATION ONLY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.8215" / 1m	DRAWN ---	REVISED ---			var	D4 Bridge Metalizing 2013	Verlous	20	16
	PLOT DATE = 12/11/2012	CHECKED ---	REVISED ---		SCALE: _____				CONTRACT NO. 68825	
ILLINOIS FED. AID PROJECT										

LOCATION 6 S.N. 036-0007 INFORMATION ONLY



FILE NAME *
 March 2013 Metalize.dgn
 MODEL NAME #

USER NAME * DEFAULT	DESIGNED -	REVISED -
PLOT SCALE * 0.8221' / in.	DRAWN -	REVISED -
PLOT DATE * 12/11/2012	CHECKED -	REVISED -
	DATE -	REVISED -

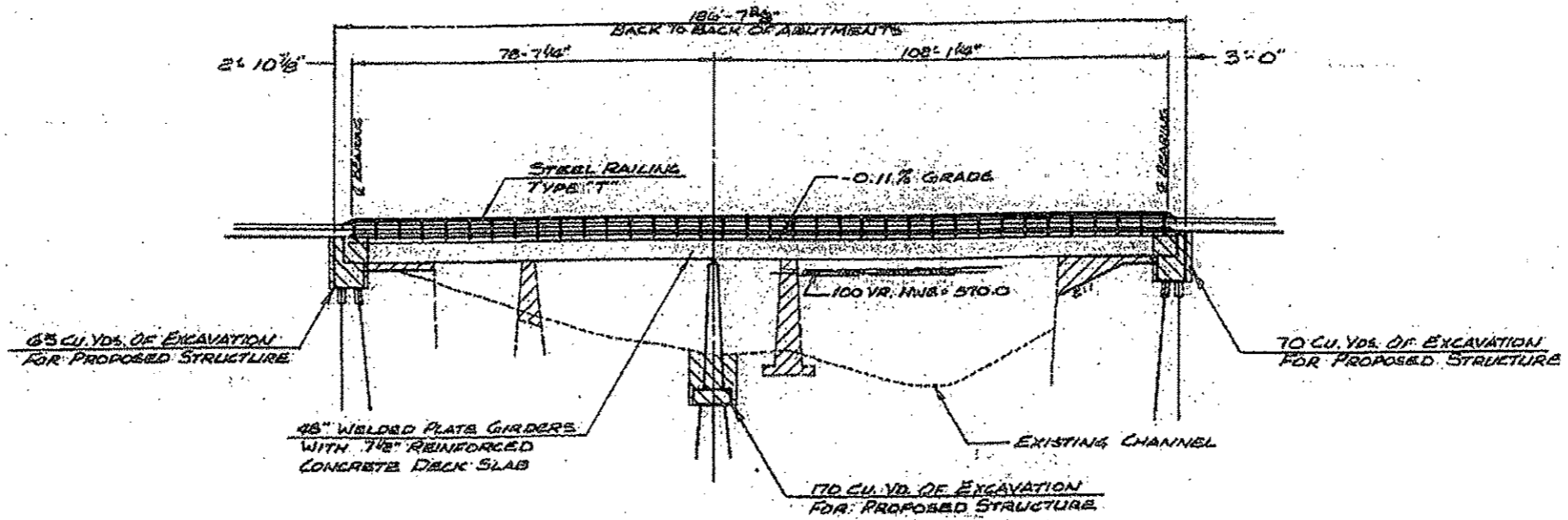
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION 6 BEARING & DIAPHRAGMS
 INFORMATION ONLY

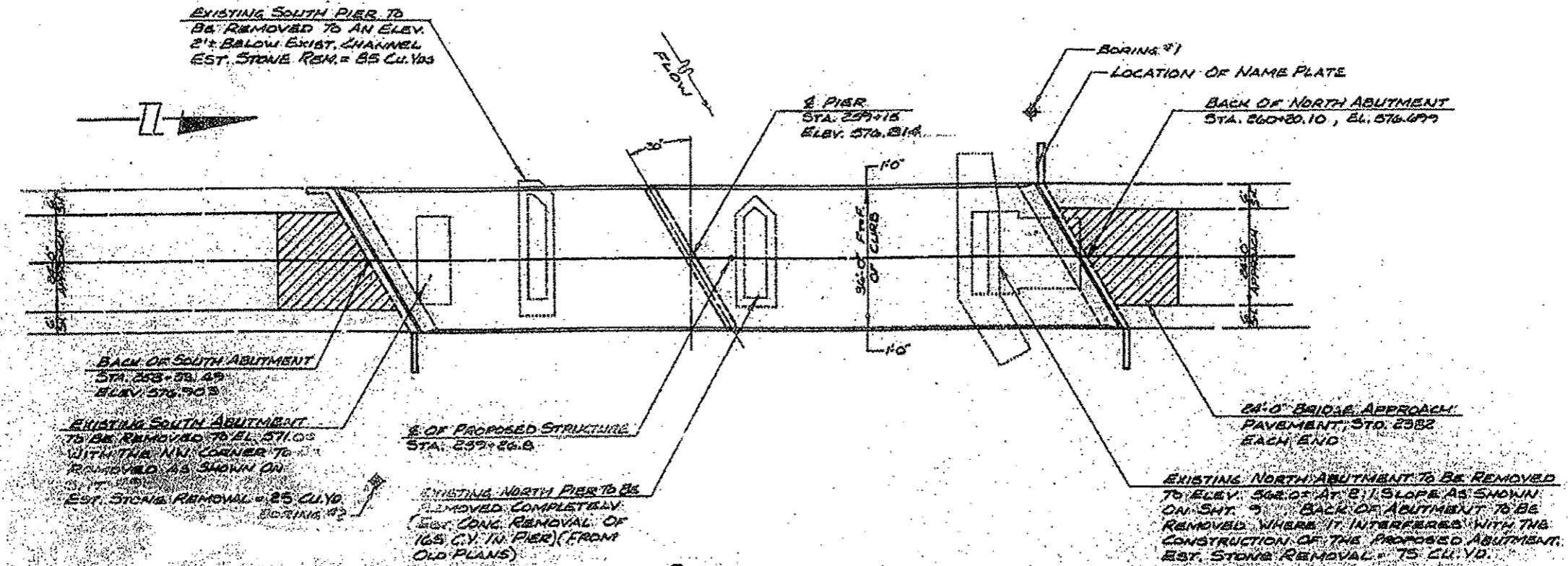
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

P.A. SITE	SECTION	COUNTY	TOTAL SHEET NO.
var D4 Bridge Metalizing 2013	Various	Various	20 17
			CONTRACT NO. 68B25
ILLINOIS FED. AID PROJECT			

LOCATION 7 S.N. 029-0053 INFORMATION ONLY



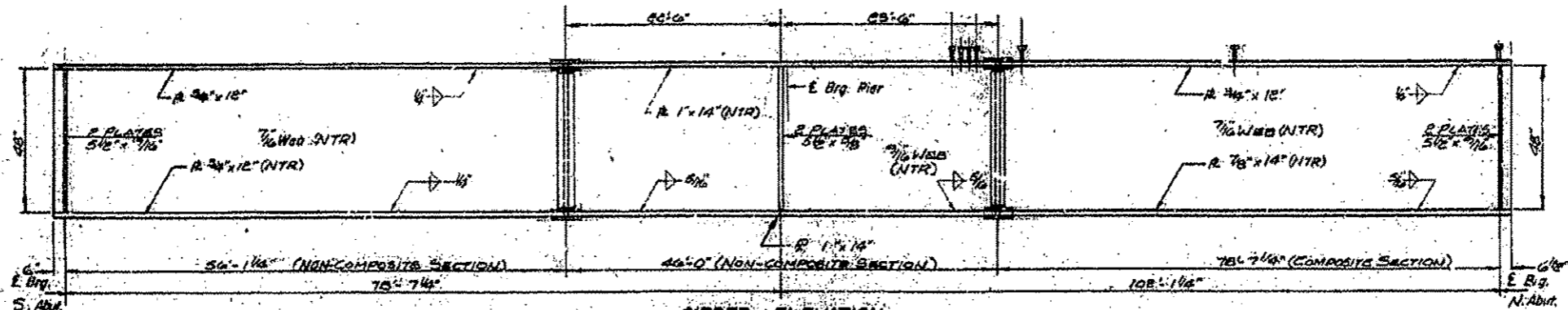
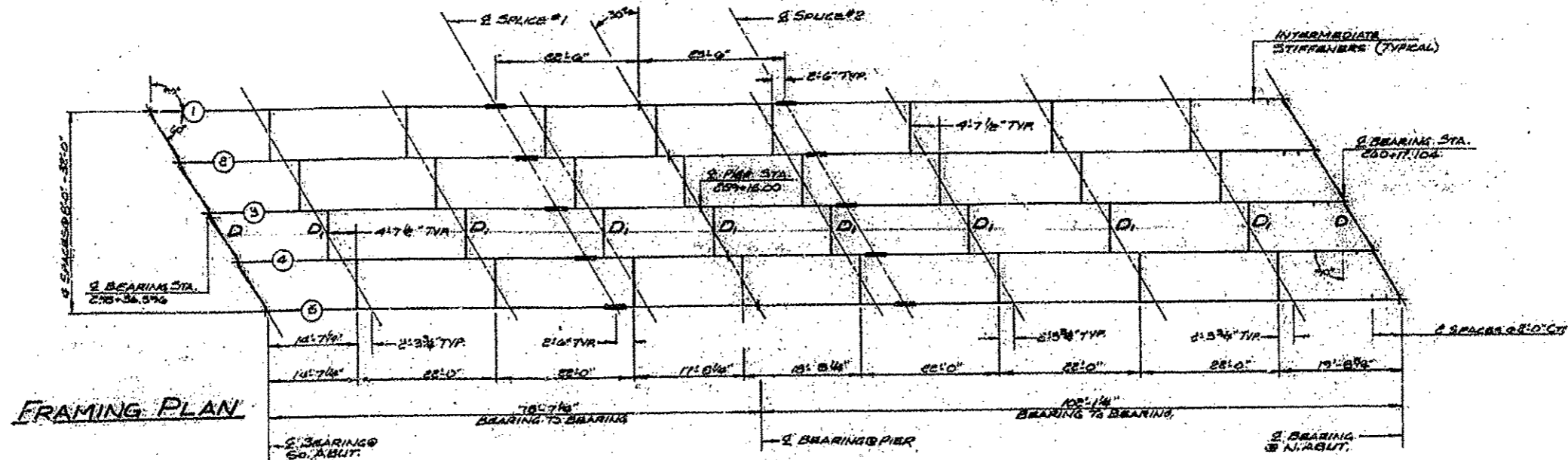
ELEVATION



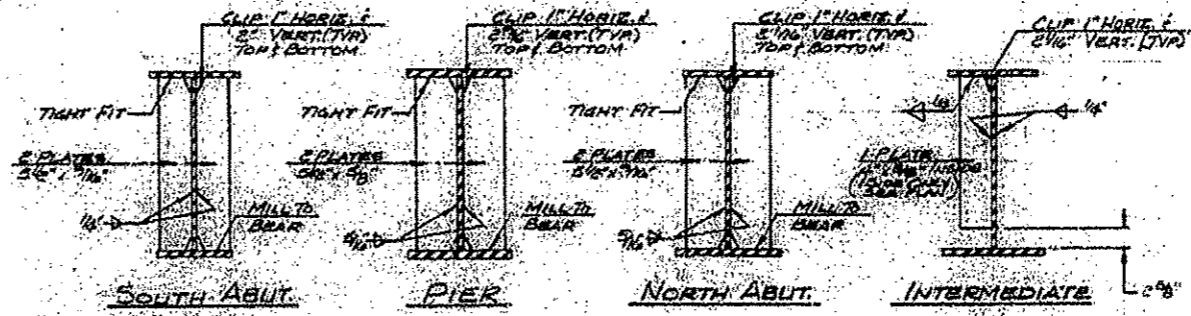
PLAN

FILE NAME - March 2013 Metalize.dgn	USER NAME - DEFAULT	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 7 ELEVATION VIEW INFORMATION ONLY	F.A. RTE. -	SECTION -	COUNTY -	TOTAL SHEETS -	SHEET NO. -
MODELNAME#	PLOT SCALE = 0.0214" / 1"	DRAWN -	REVISED -			var D4 Bridge Metalizing 2013	Various	Various	20	18
	PLOT DATE = 12/11/2012	CHECKED -	REVISED -							
		DATE -	REVISED -			SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____ TO STA. _____
ILLINOIS FED. AID PROJECT CONTRACT NO. 68B25										

LOCATION 7 S.N. 029-0053 INFORMATION ONLY

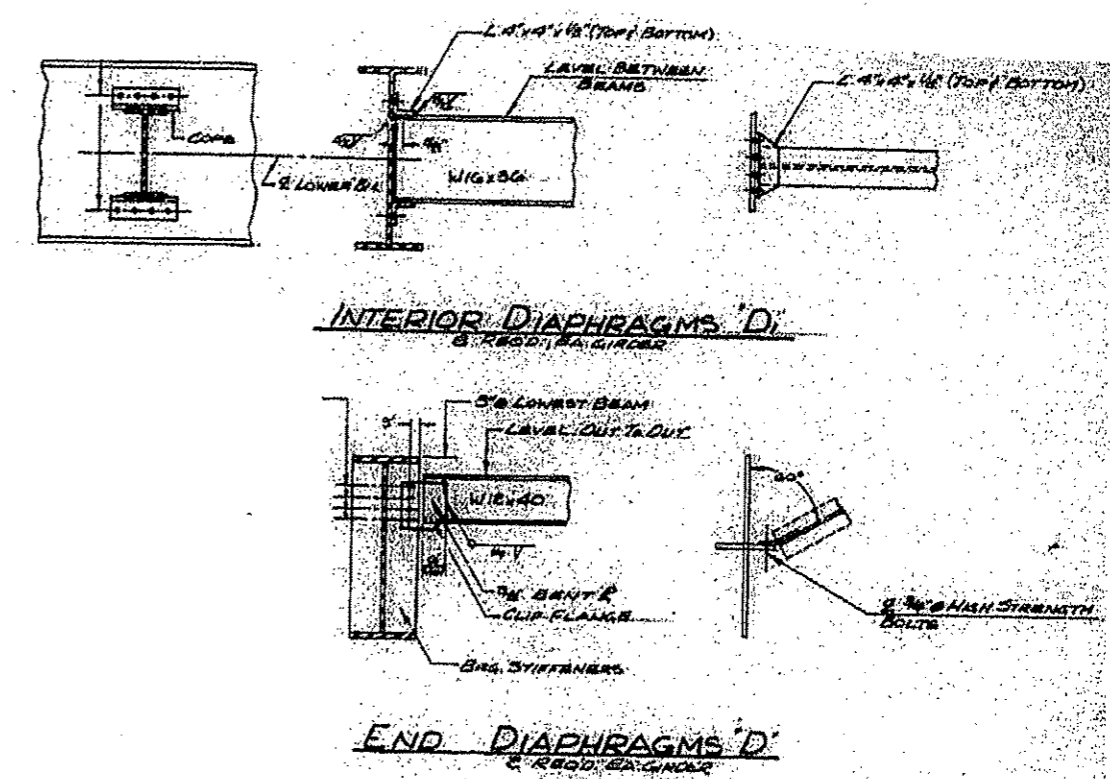
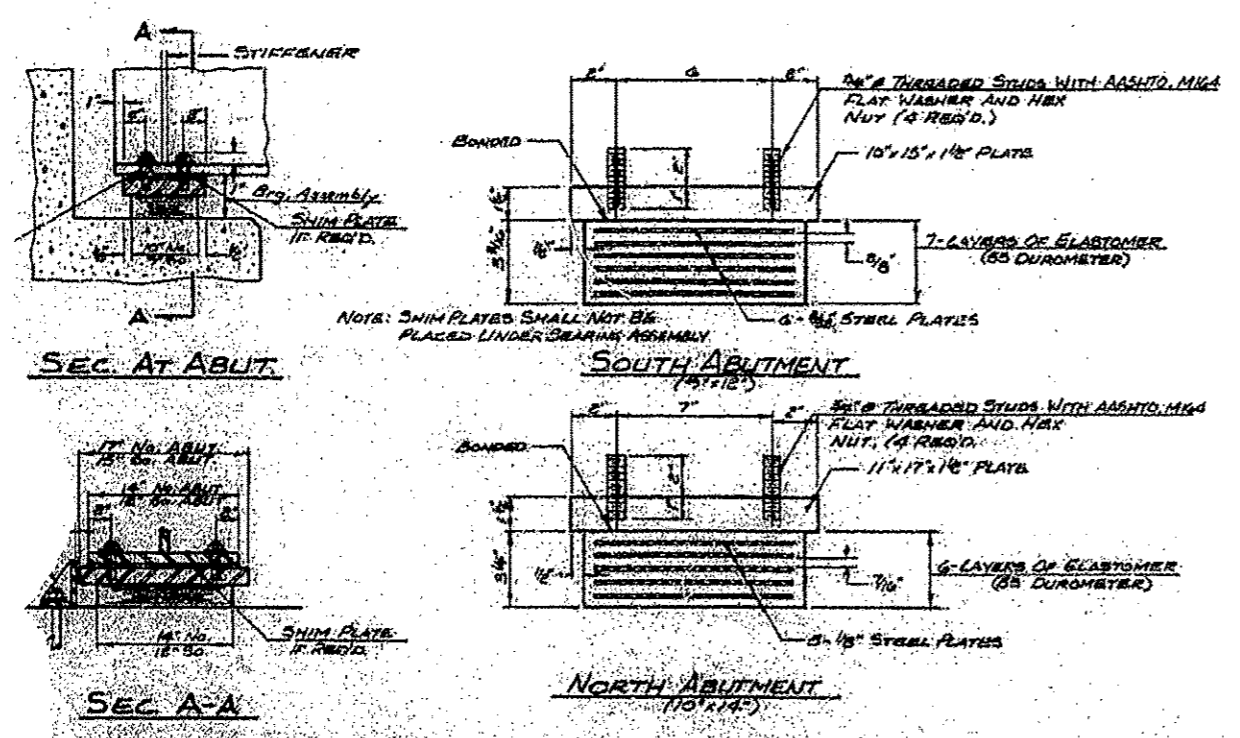


"NTR" denotes plates to which notch toughness requirements are applicable.



FILE NAME March 2012 Metalize.dgn	USER NAME DEFAULT	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 7 FRAMING PLAN - INFORMATION ONLY	SCALE ---	SHEET ---	OF ---	SHEETS ---	STA. ---	TO STA. ---	
#MODELNAME	PLOT SCALE 0.0219 / in.	CHECKED ---	REVISOR ---	CONTRACT NO. 68825				ILLINOIS FED. AID PROJECT				

LOCATION 7 S.N. 029-0053 INFORMATION ONLY



FILE NAME March 2013 Metal.rvt.dgn	USER NAME DEFAULT	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 7 BEARING & DIAPHRAGMS INFORMATION ONLY	F.A. RTE. var 04 Bridge Metalizing 2013	SECTION Various	COUNTY Various	TOTAL SHEETS 20	SHEET NO. 20
MODEL NAME	PLOT SCALE 0.8219" = 1'	CHECKED -	REVISOR -		SCALE -	SHEET -	OF SHEETS -	STA. -	TO STA. -	CONTRACT NO. 69S25
	PLOT DATE 12/11/2012	DATE -	REVISOR -							ILLINOIS FED. AID PROJECT