

03-09-12 LETTING ITEM 075

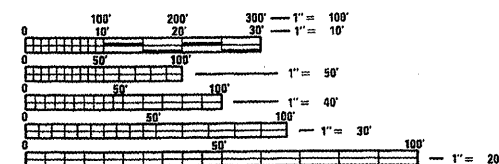
FOR INDEX OF SHEETS, SEE SHEET NO. 1

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES
- 3 SUMMARY OF QUANTITIES
- 4 COMMITMENT & GENERAL NOTES
- 5-21 PLAN SHEETS

**TRAFFIC STANDARDS**

- 701101-02
- 701106-02
- 701201-04
- 701901-02

- LOCATION 1 & 2  
ADT 7200 TRUCK 4%
- LOCATION 3 & 4  
ADT 8200 TRUCK 4.5%
- LOCATION 5  
ADT 25,000 TRUCK 17%
- LOCATION 6  
ADT 4250 TRUCK 12.9 %



FULL SIZE PLANS HAVE NOT BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

DESIGN ENGINEER TOM INGLIS (309)671-3333  
PROJECT MANAGER NICHOLAS JACK (309)671-3451

CONTRACT NO. 68A62

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

VAR ROUTE (VAR)  
SECTION D4 BRIDGE METALLIZING 2012  
PROJECT N/A  
TYPE OF IMPROVEMENT BRIDGE METALLIZING  
MARSHALL & WOODFORD COUNTY

C-94-005-12

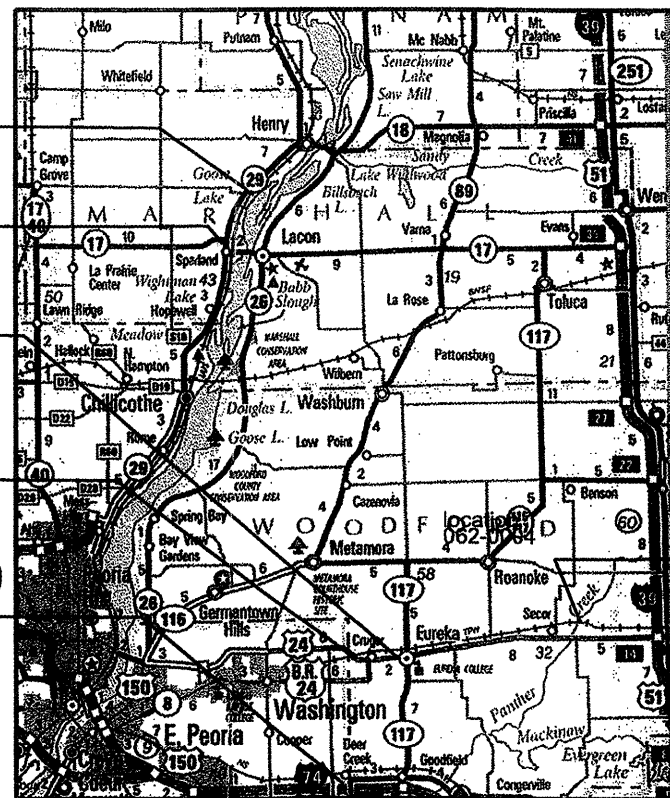
Location 1  
S.N. 062-0056

Location 2  
S.N. 062-0004

Location 3  
S.N. 102-0007

Location 4  
S.N. 102-0046

Location 5  
S.N. 102-0009

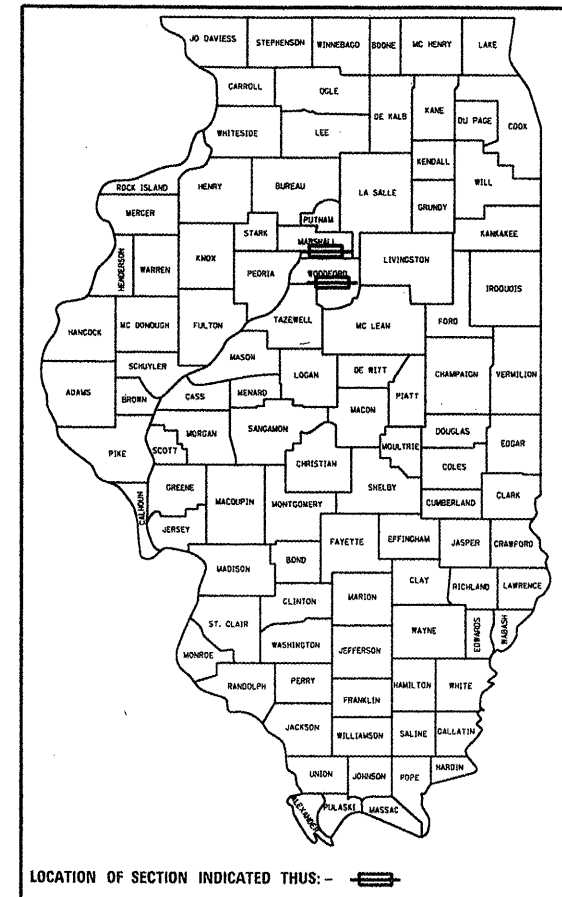


GROSS LENGTH = Various FT. = Various MILE  
NET LENGTH = Various FT. = Various MILE

P.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
VAR	D4 METALLIZING 2012	VARIOUS	21
			ILLINOIS CONTRACT NO. 68A62

\*21+1=22

D-94-006-12



Location 6  
S.N. 102-0008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
SUBMITTED *Jan 30* 20 12  
*John D. Baranzelli, P.E.*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
acting ENGINEER OF DESIGN AND ENVIRONMENT  
*Feb 3* 20 12  
*William R. Frenka*  
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

# Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
VAR		D4 BRIDGE METALIZING 2012	MARSHALL	TOTAL	NO.
VAR			WOODFORD	21	2
			CONTRACT NO.	68A62	

## CONSTRUCTION TYPE CODE

VARIOUS	VARIOUS
MARSHALL	WOODFORD
0014	0014
100% STATE	100% STATE
URBAN	URBAN

CODE No.	ITEM	UNIT	Tot.QTY		
67100100	MOBILIZATION	L SUM	1	0.2	0.8
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.2	0.8
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
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO.1	L SUM	1	1	
X5060602	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO.2	L SUM	1	1	
X5060605	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO.5	L SUM	1		1

# Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
VAR		D4 BRIDGE METALIZING 2012	MARSHALL	TOTAL	NO.
VAR			WOODFORD	21	3
			CONTRACT NO.	68A62	

## CONSTRUCTION TYPE CODE

VARIOUS	VARIOUS
MARSHALL	WOODFORD
0014	0014
100% STATE	100% STATE
URBAN	URBAN

CODE No.	ITEM	UNIT	Tot.QTY		
X5060606	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO.6	L SUM	1		1
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO.3	L SUM	1		1
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO.4	L SUM	1		1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1
X0327378	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 6	L SUM	1		1

# COMMITMENTS

**No Comitments 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 Location 1 – 6. All beams, brackets, and all other structural steel within 5 feet ( as  
 measured along the centerline of the bearing) of either side of the deck joints.  
 Recycled steel abrasive shall be used for all locations for this contract.

The final finish coat for the fascia beams shall be according to the following schedule:

- Bridge Location 1, 2, & 5 Shall be Blue (Munsell No. 10B 3/6)
- Bridge Location 3 shall be Green (Munsell No. 7.5G 4/8)
- Bridge Location 4 shall be Light Gray (Munsell No. 5B 7/1)
- Bridge Location 6 shall be Brown (Munsell No. 2.5YR 3/4)

The final finish coat for the underside for all Bridge Locations shall be Light Grey  
 (Munsel No. 5B 7/1)

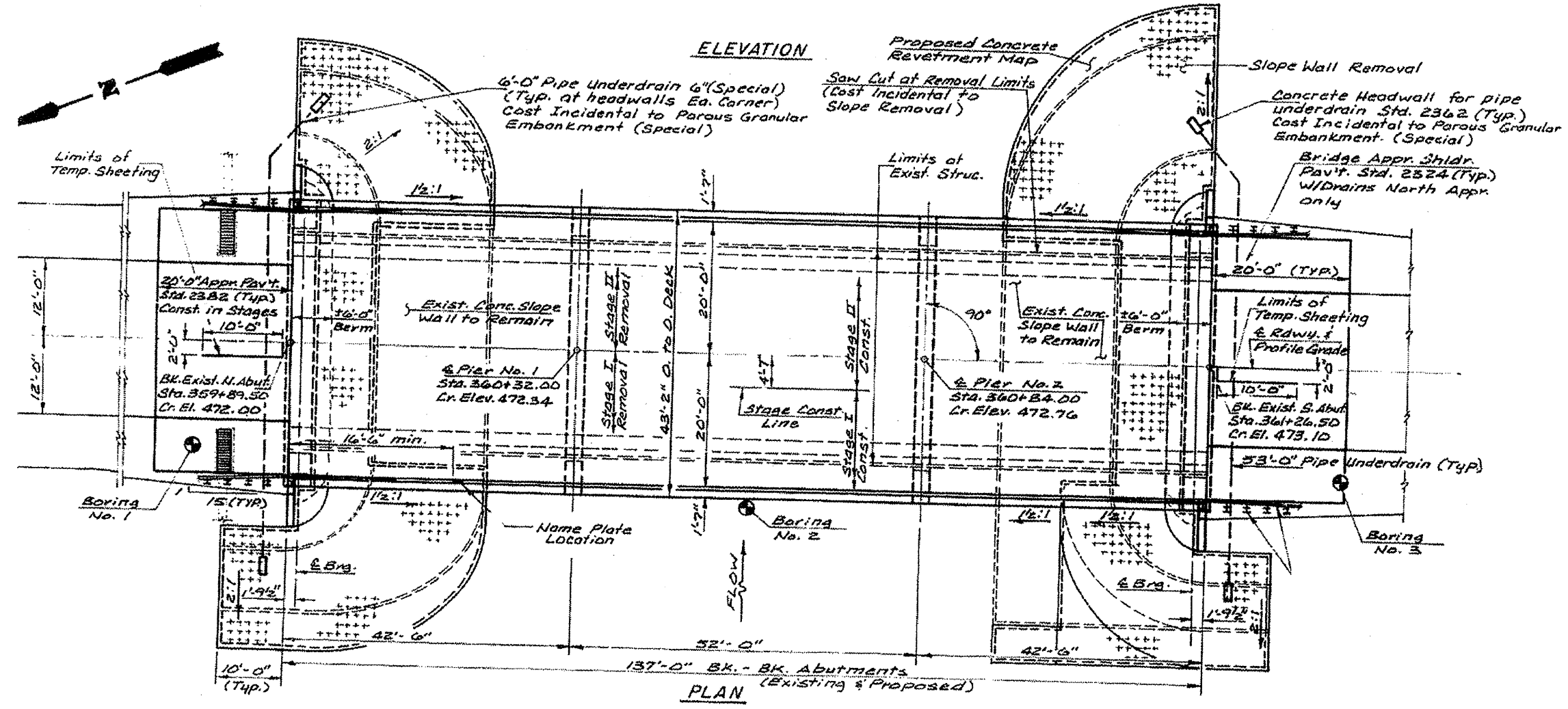
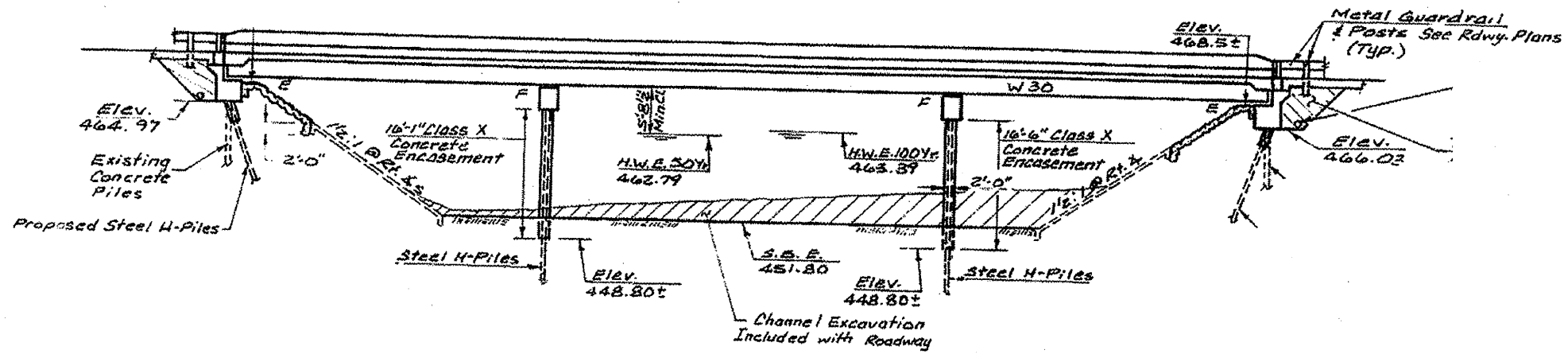
Top coat and Sealer shall be from the approved list from table one (1) of the Special Provisions.

**AIR MONITORS – None for this project.**

**QP1 & QP2 Required for this Project.**

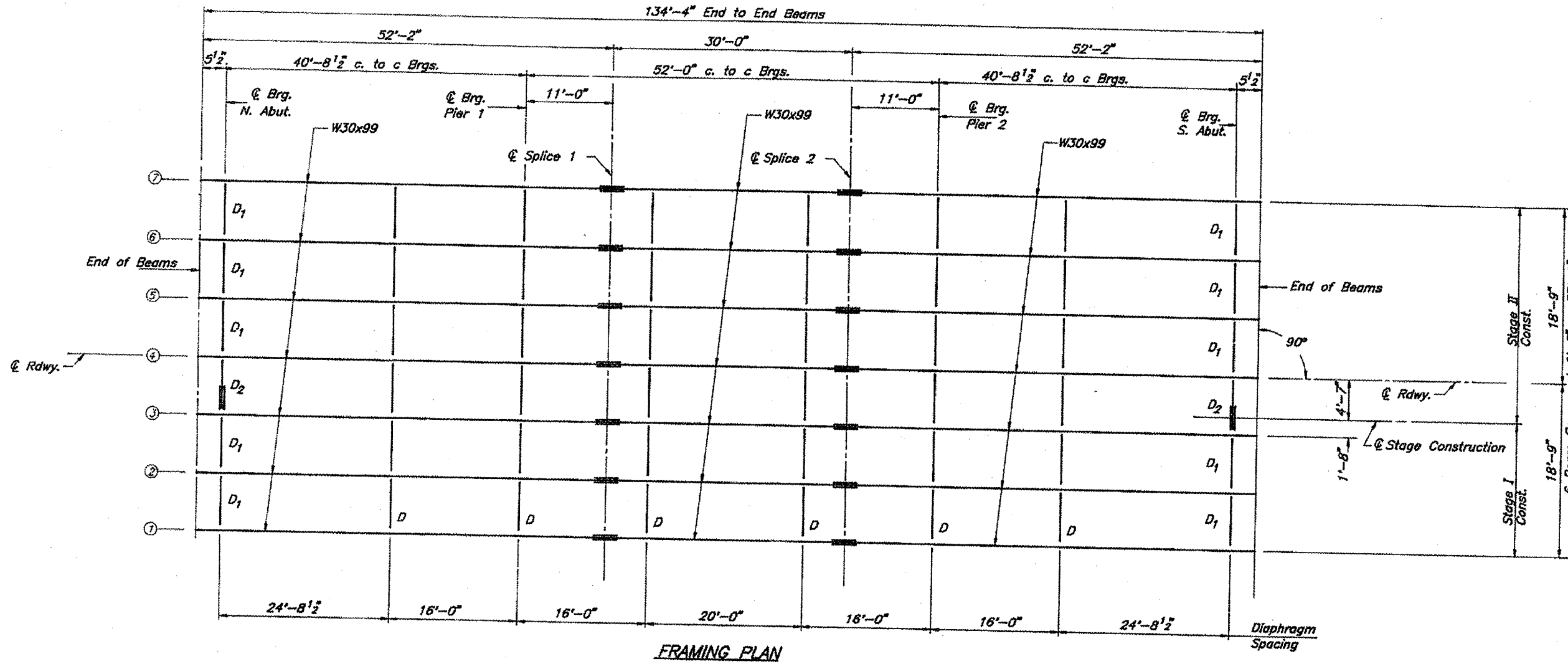
FILE NAME : 68A62 Metalizing.dgn	USER NAME : Aduddah	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 2.0000" = 1' 0"	DRAWN -	REVISED -			Var	D4 Metalizing 2012	Marshall-woodford	21	4
	PLOT DATE : 12/24/2011	CHECKED -	REVISED -			CONTRACT NO. 68A62				
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

# Location 1 S.N. 062-0056 Information Only



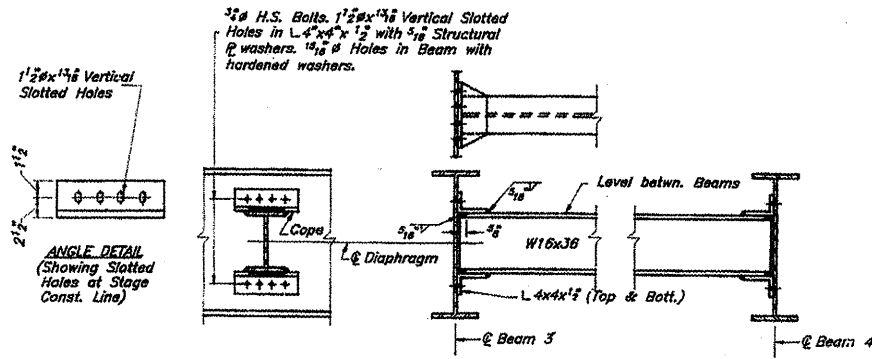
FILE NAME 0622 Metallizing	USER NAME Aduch	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	SECTION D4 Metallizing 2012	COUNTY Marshallwoodford	TOTAL SHEETS	SHEET NO.
	PLOT SCALE 1/4" = 1'-0"	CHECKED	REVISED					21	5
	PLOT DATE 12/29/2011	DATE	REVISED					CONTRACT NO. 68A62	
	ILLINOIS PER. AID PROJECT								

# Location 1 S.N. 062-0056 Information Only



FILE NAME 062-0056 Metalize.dgn	USER NAME Adeola	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE	SHEET	OF	SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE 1/4" = 1'-0"	CHECKED -	REVISED -		Var	D4 Metalizing 2012	Marshall-woodford	21	6							
	PLOT DATE 12/29/2011	DATE	REVISED			CONTRACT NO. 68A62 ILLINOIS FED. AID PROJECT										

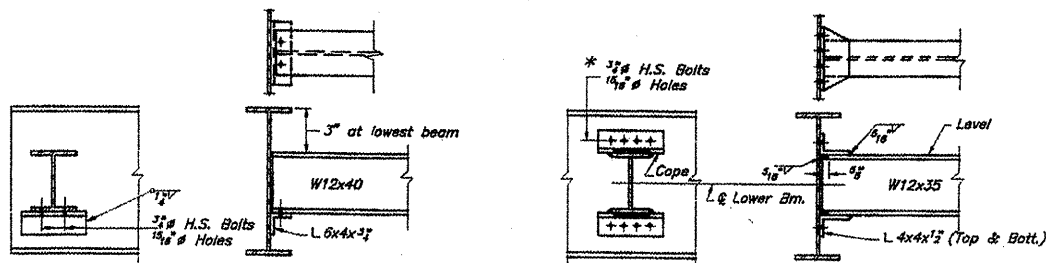
# Location 1 S.N. 062-0056 Information Only



**DIAPHRAGM D CONNECTION  
EAST SIDE BEAM NO. 3  
(M183 Steel)**

**NOTE:**  
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.

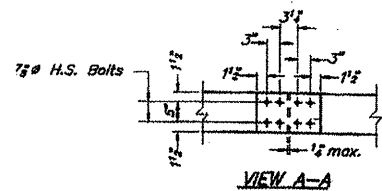
\*1/2 x 1/8 slotted holes in angles for the east side of beam #3. Use 3/8 structural plate washer.



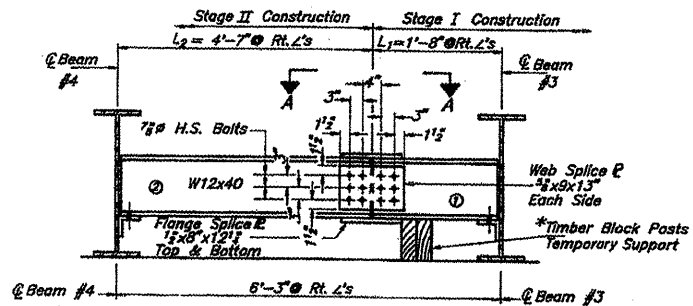
**DIAPHRAGM D<sub>1</sub> & D<sub>2</sub>**  
(10 D<sub>1</sub> Req'd)  
(2 D<sub>2</sub> Req'd)

Note: Two hardened washers shall be required over all oversize holes for diaphragms.

**DIAPHRAGM D**  
(36 Req'd)

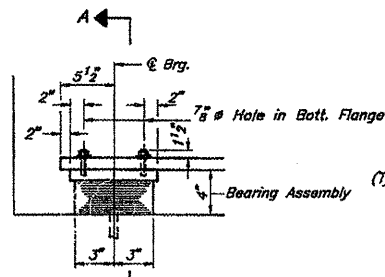


**VIEW A-A**

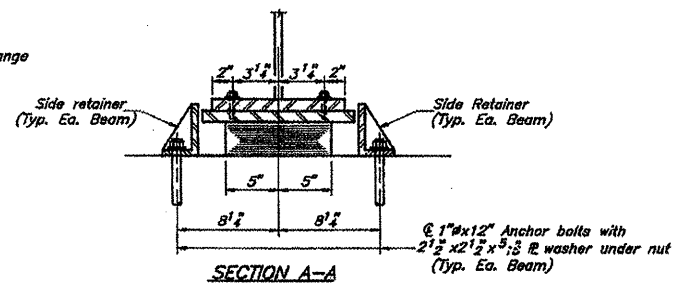


**DIAPHRAGM D<sub>2</sub>  
(At Rt. L's)**

\*Cast of Timber Block Pastes is Incidental to Structural Steel.

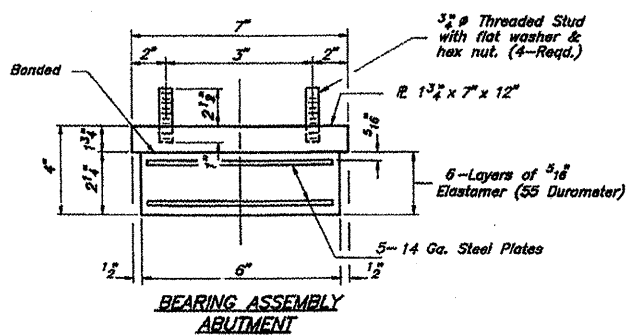


**SECTION AT ABUT.**



**SECTION A-A**

**TYPE I ELASTOMERIC EXP. BRG.  
ABUTMENTS  
(14 Required)**



**BEARING ASSEMBLY  
ABUTMENT**

NOTE: Shim plates shall not be placed under bearing assembly.

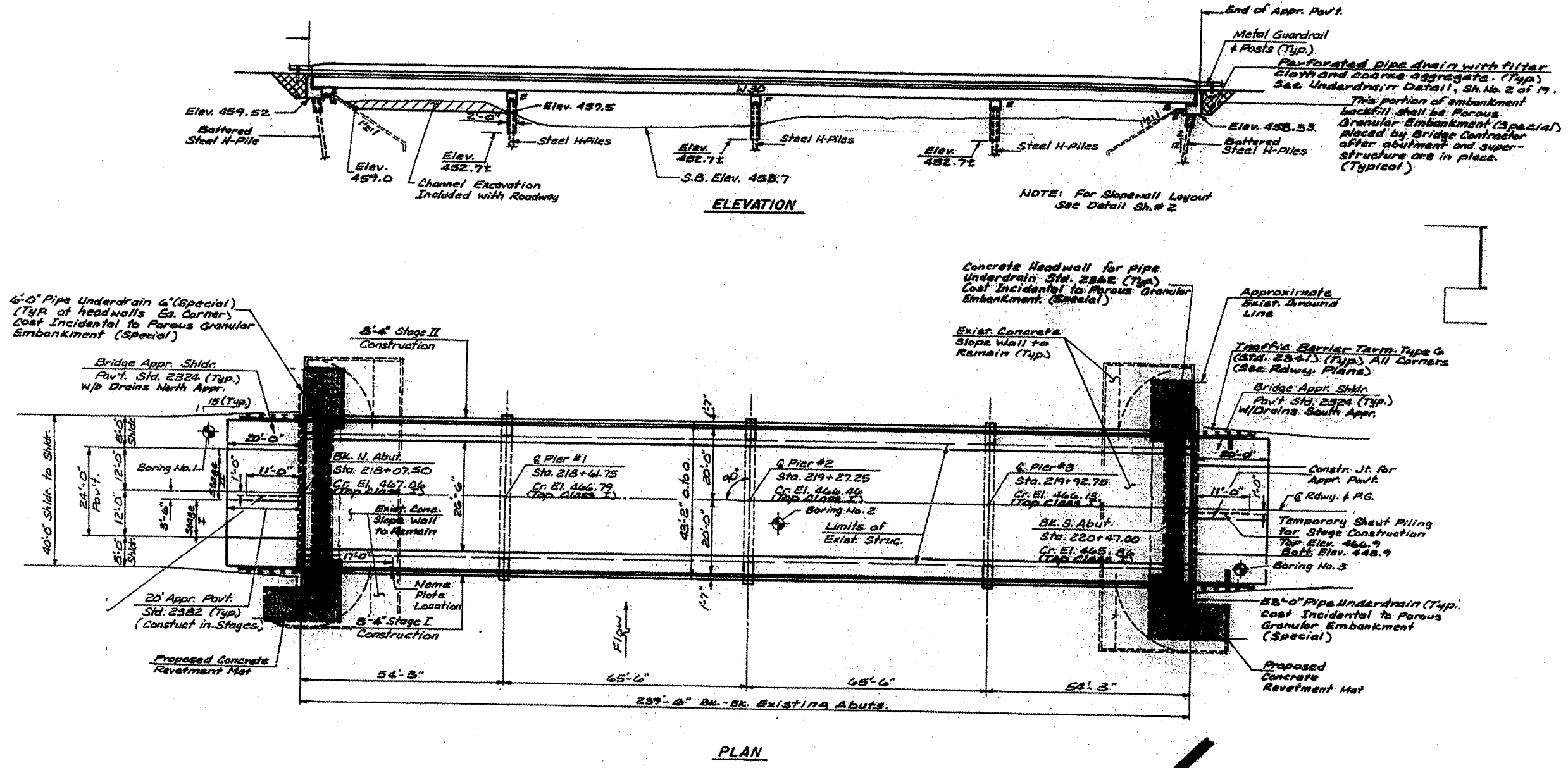
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		DRAWN -	REVISED -
	PLOT SCALE 1/8" = 1'-0"	CHECKED -	REVISED -
	PLOT DATE 12/29/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Vor	D4 Metalizing 2012	Marshall-woodford	21	7
CONTRACT NO. 68A62			ILLINOIS FED. AID PROJECT	

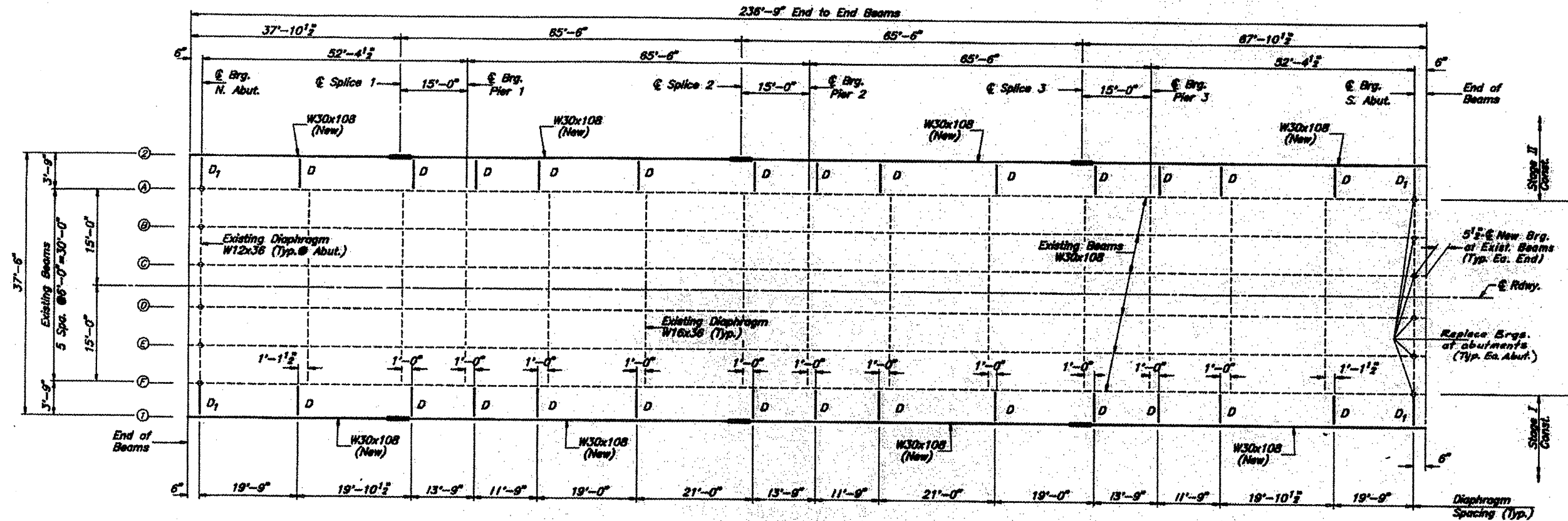
# Location 2 S.N. 062-0004 Information Only



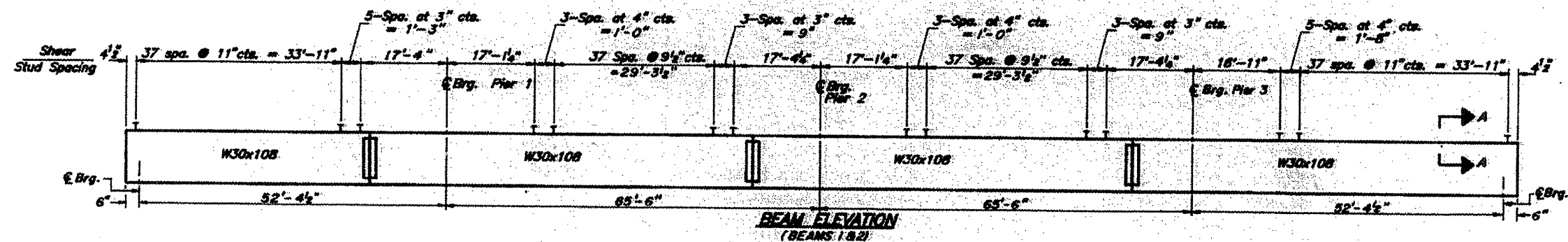
FILE NAME 60462 Metrolz.dgn	USER NAME Aadad@A	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE 1/8" = 1'-0"	DRAWN -	REVISED -		Var	D4 Metrolz 2012	Marshall-woodford	22	8
PLOT DATE 12/29/2011	CHECKED -	REVISED -	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 68A62				
DATE	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT						



# Location 2    S.N. 062-0004 Information Only



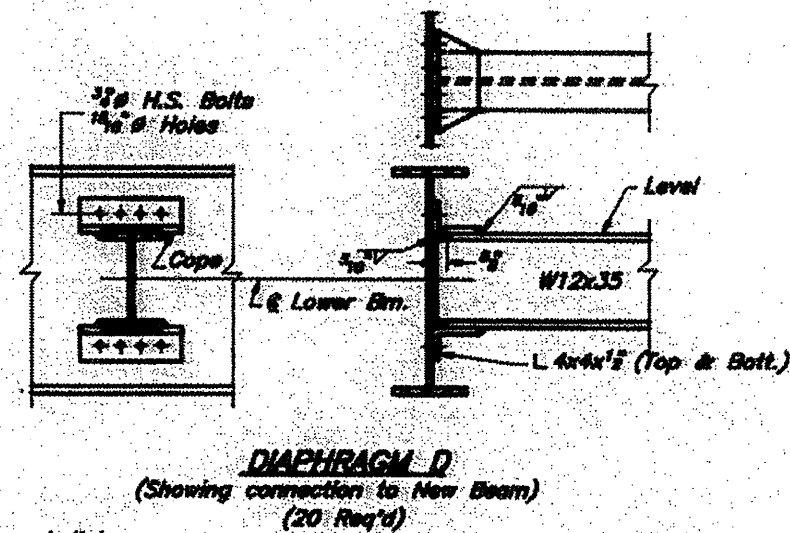
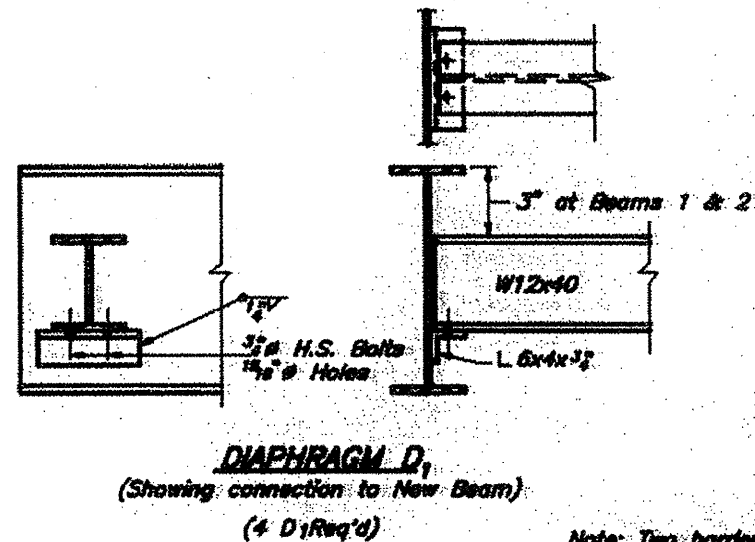
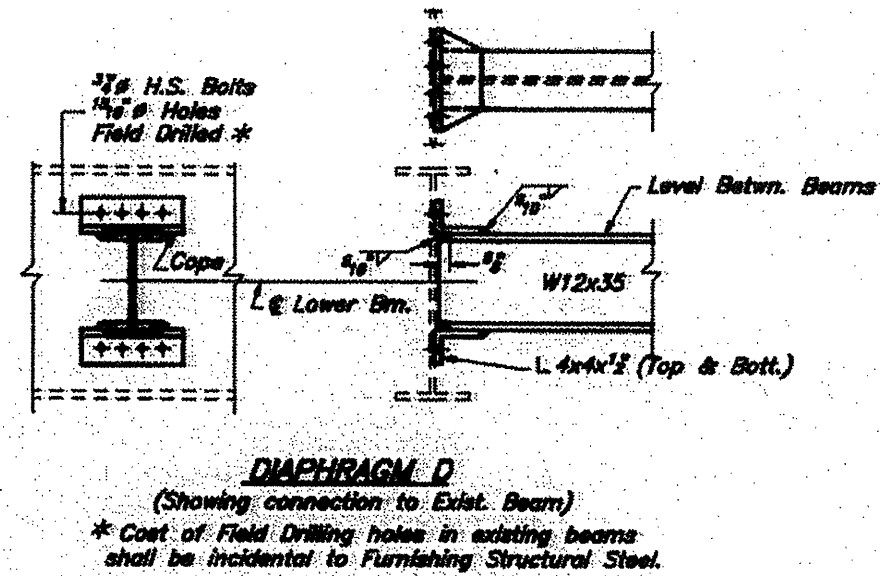
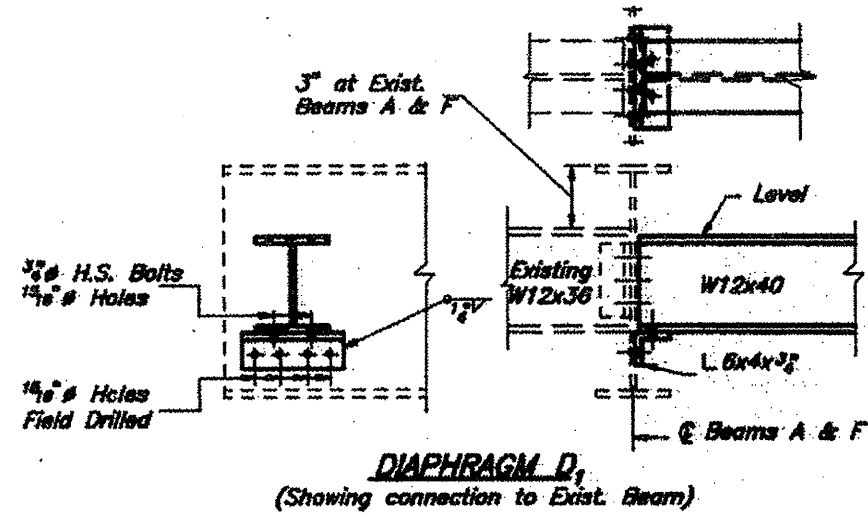
**FRAMING PLAN**



**BEAM ELEVATION  
(BEAMS 1 & 2)**

FILE NAME 68A62 Metalize.dgn	USER NAME AtadeSA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A. RTE. var	SECTION D4 Metalizing 2012	COUNTY Marshallwoodford	TOTAL SHEETS 21	SHEET NO. 9
PLOT SCALE = 1/8" = 1' / in.		CHECKED -								CONTRACT NO. 68A62		
PLOT DATE = 12/29/2011		DATE -								ILLINOIS FED. AID PROJECT		

# Location 2 S.N. 062-0004 Information Only



Note: Two hardened washers shall be required over all oversize holes for diaphragms.

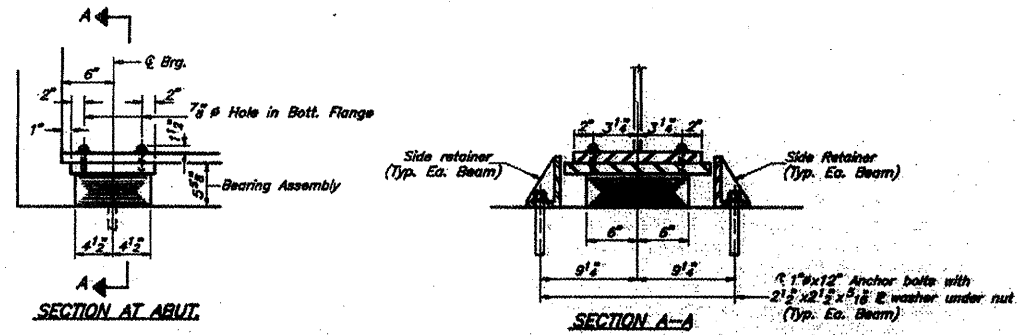
FILE NAME 6862 Metalizedgn	USER NAME ArdadaSA	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
PLOT SCALE 1/800" = 1' in.			
PLOT DATE 12/29/2011			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____
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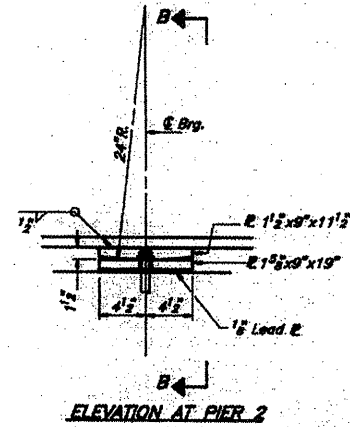
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Var	D4 Metalizing 2012	Marshallwoodford	21	10
CONTRACT NO. 68A62			ILLINOIS FED. AID PROJECT	

# Location 2 S.N. 062-0004 Information Only

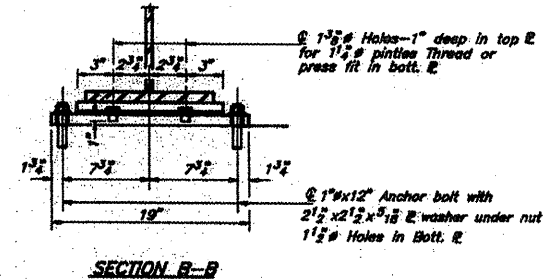


**TYPE I ELASTOMERIC EXP. BRG. - NEW BEAMS**  
ABUTMENTS  
(4 Required)

**\*NOTE:**  
Anchor bolts at fixed bearings may be built into the masonry. (New Beam Only)  
See Sh.# 13 for anchor bolt installation.



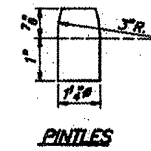
**ELEVATION AT PIER 2**



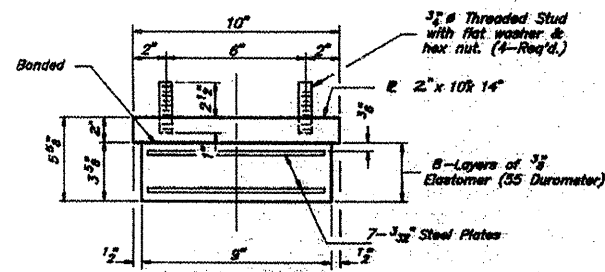
**SECTION B-B**

**FIXED BEARING AT PIER 2**  
(BEAMS 1 & 2)  
(2 Req'd.)

**NOTE:**  
Existing Bearings at Pier 2 shall be cleaned by Method I.

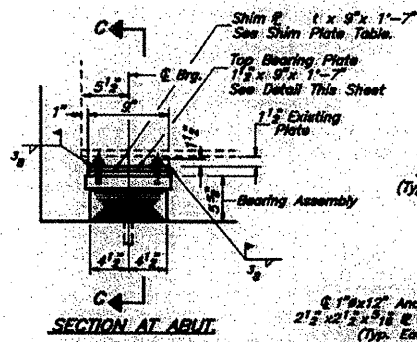


**PINTLES**



**BEARING ASSEMBLY ABUTMENT - NEW BEAMS**  
(4 Req'd.)

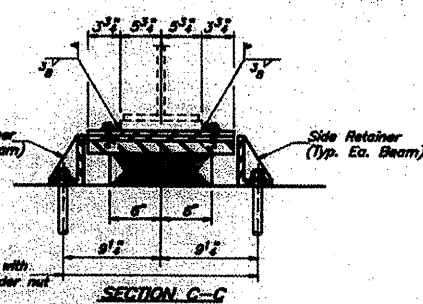
**NOTE:** Shim plates shall not be placed under bearing assembly.



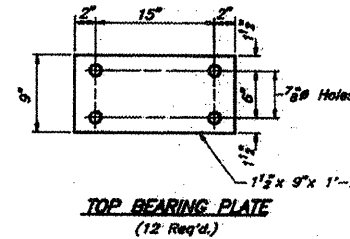
**SECTION AT ABUT.**

**TYPE I ELASTOMERIC EXP. BRG. - EXISTING BEAMS**  
ABUTMENTS  
(12 Required)

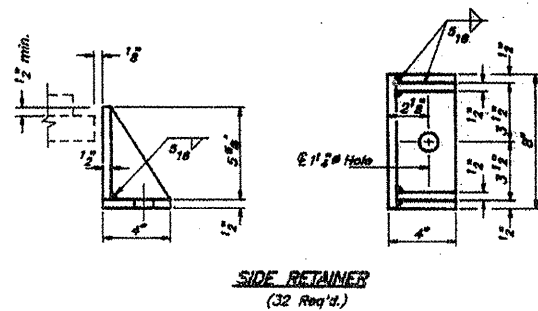
**\*NOTE:**  
Anchor bolts at fixed bearings may be built into the masonry. (New Beam Only)  
See Sh.# 13 for anchor bolt installation.



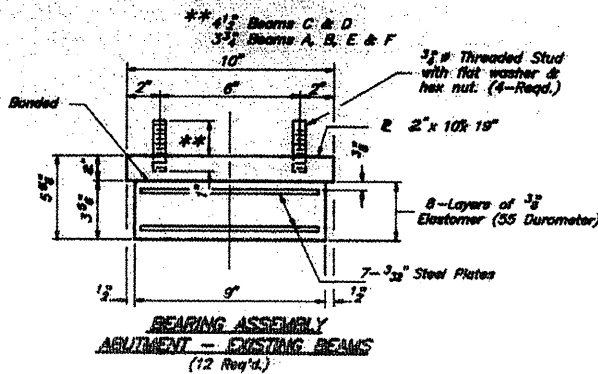
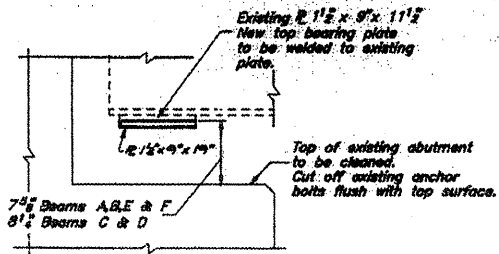
**SECTION C-C**



**TOP BEARING PLATE**  
(12 Req'd.)



**SIDE RETAINER**  
(32 Req'd.)



**BEARING ASSEMBLY ABUTMENT - EXISTING BEAMS**  
(12 Req'd.)

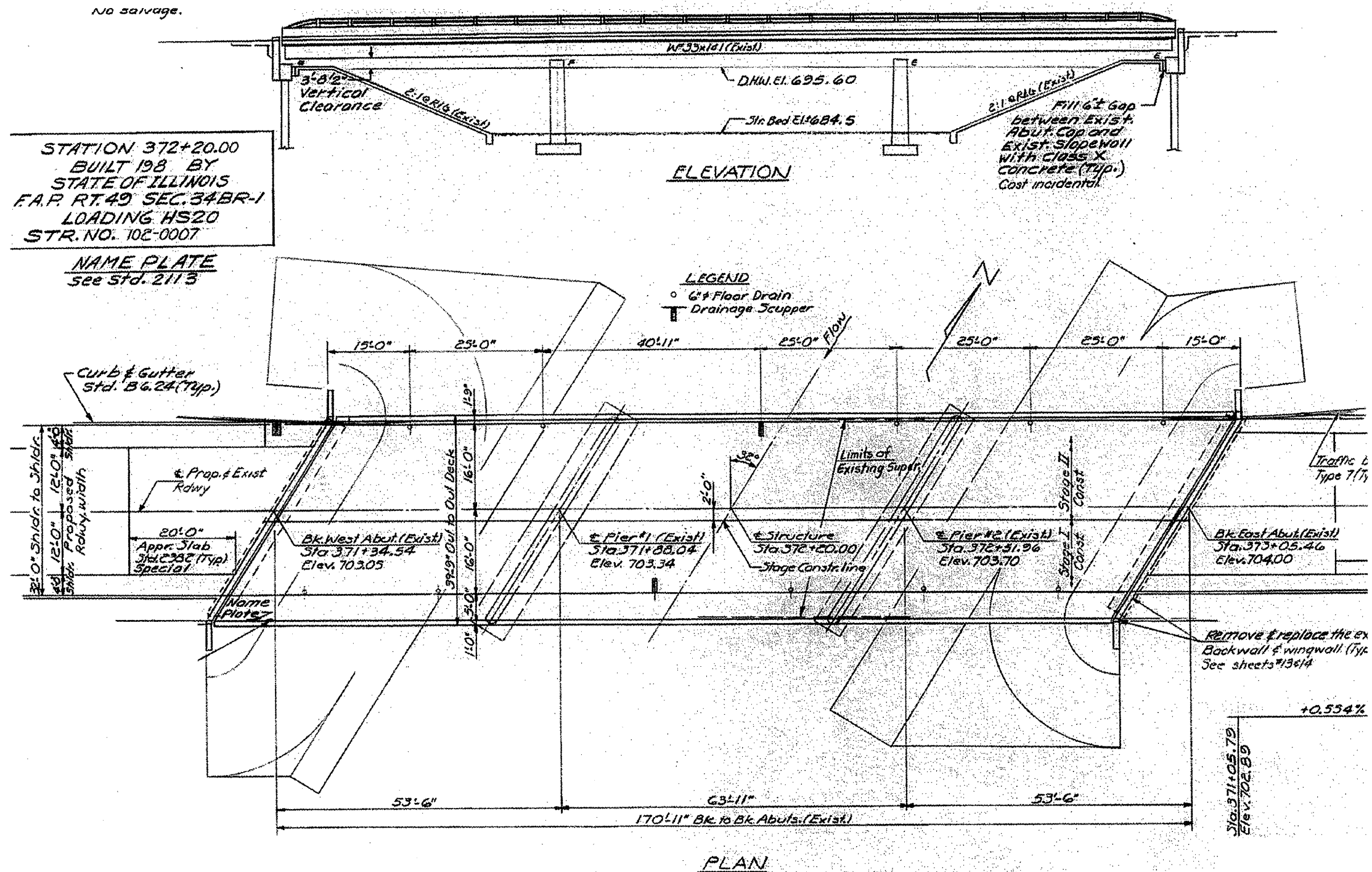
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PLOT SCALE : 2.0000 1/16"	CHECKED -	DRAWN -	REVISED -
PLOT DATE : 12/24/2011	DATE -	REVISIONS -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
Var	D4 Metatizing 2012	Marshall-woodford	21 11
			CONTRACT NO. 68462
ILLINOIS FED. AID PROJECT			

# Location 3 S.N. 102-0007 Information Only



FILE NAME :  
 68A62 Metal.sdwg

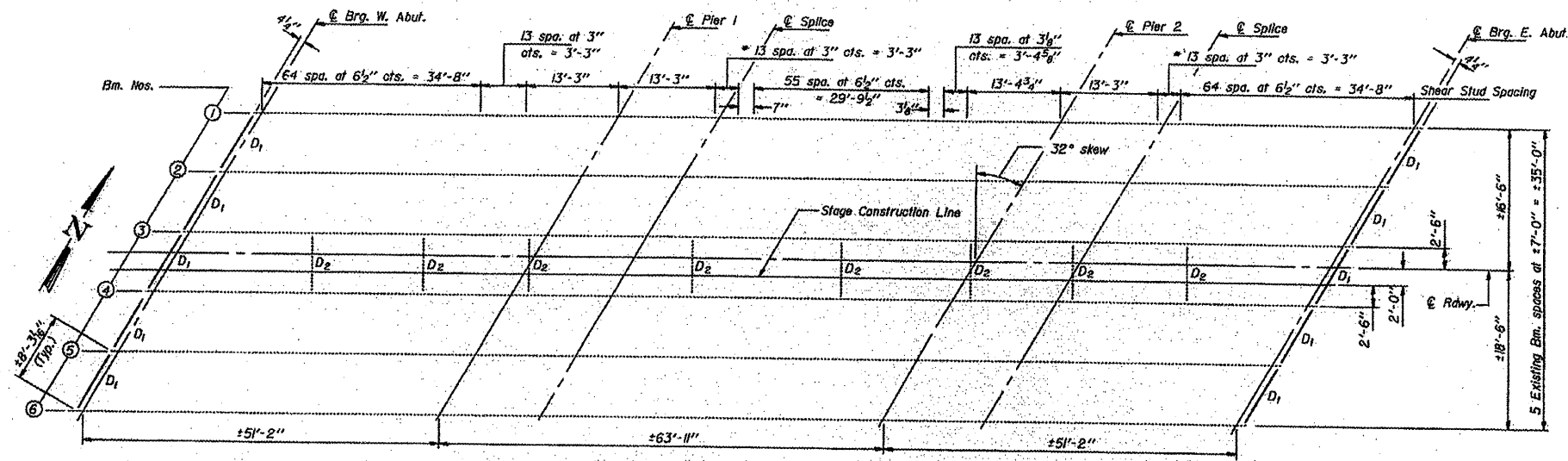
USER NAME : AdadaSA	DESIGNED -	REVISED -
PLOT SCALE : 1/32" = 1' in.	DRAWN -	REVISED -
PLOT DATE : 12/29/2011	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Var.	D4 Metalizing 2012	Marshall-woodford	21	12
CONTRACT NO. 68A62				
[ILLINOIS] FED. AID PROJECT				

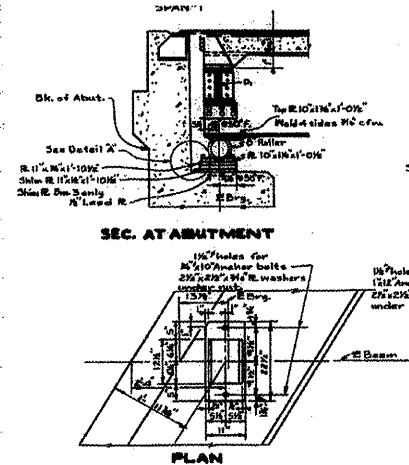
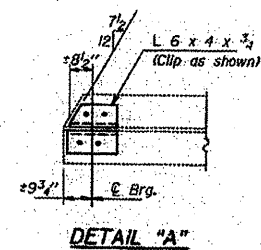
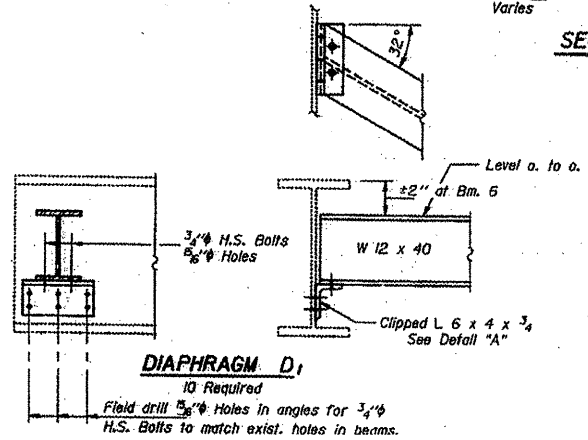
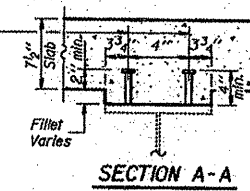
# Location 3 S.N. 102-0007 Information Only



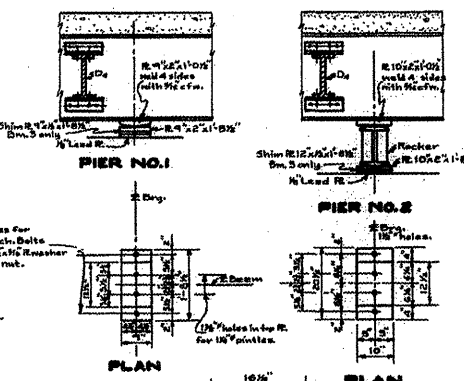
**FRAMING PLAN**

\* Vary spacing if necessary to miss rivets.

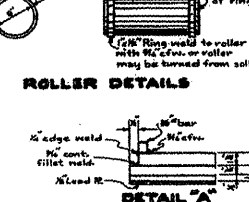
3/4" Granular or solid flux filled headed studs conforming to the requirements of Art. 710.38 of the Standard Specifications automatically end welded to flange. (No. Req. = 2880)



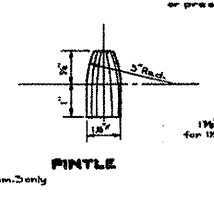
**PLAN OF STRUCTURAL STEEL**



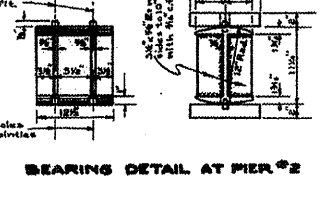
**ROLLER DETAILS**



**PINTLE**



**BEARING DETAIL AT PIER #2**



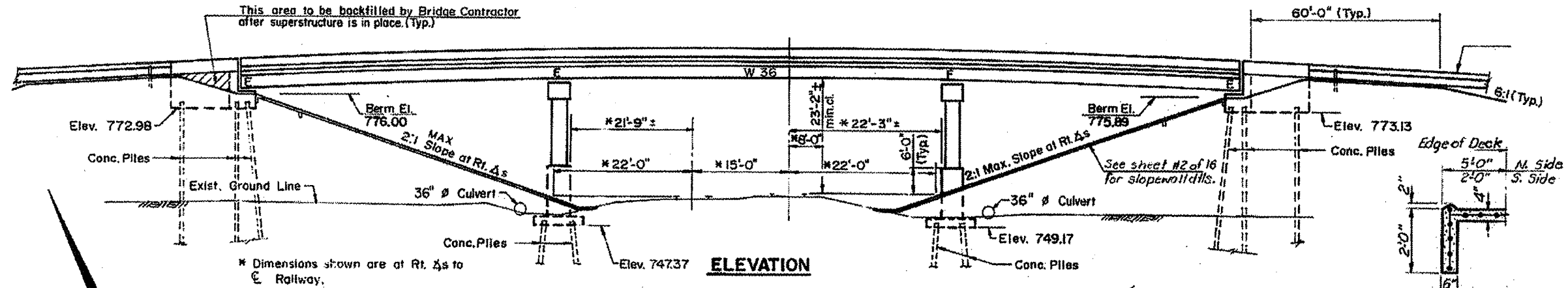
**EXISTING BEAMS ARE W33x141**

FILE NAME 68A62 Metalizing	USER NAME Adeola	DESIGNED ---	REVISED ---
		DRAWN ---	REVISED ---
		CHECKED ---	REVISED ---
		DATE ---	REVISED ---

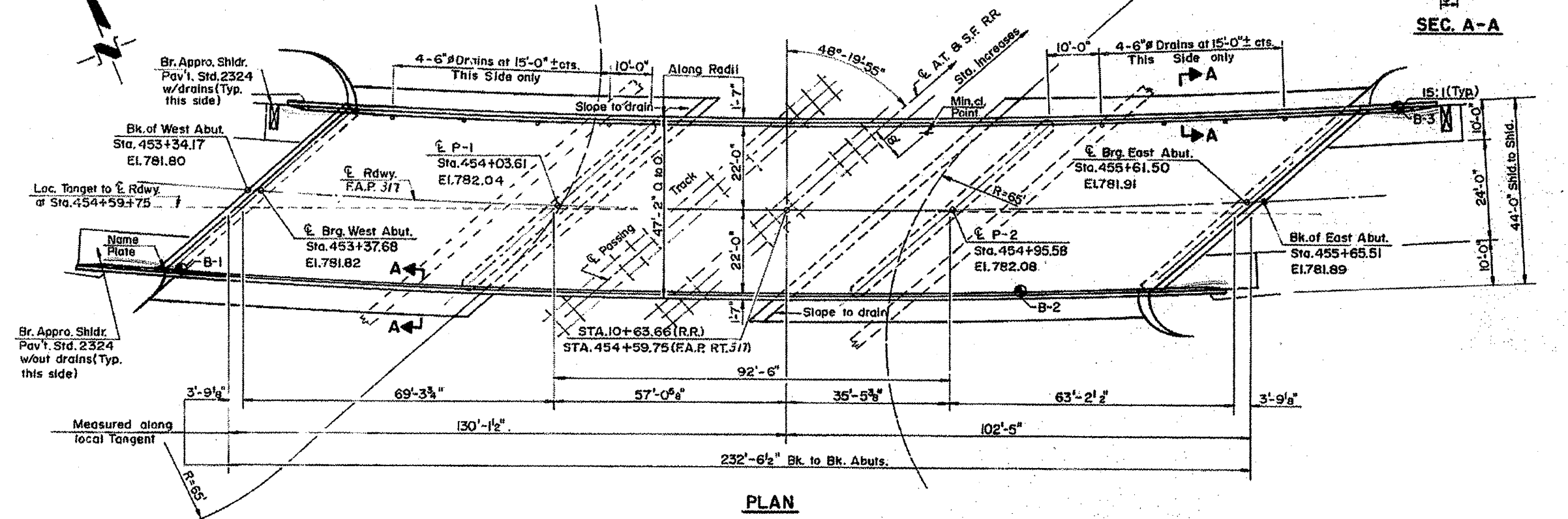
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
SCALE:	SHEET	OF	SHEETS
			STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Var	04 Metalizing 2012	Marshall-woodford	21	13
CONTRACT NO. 68A62				
ILLINOIS FED. AID PROJECT				

# Location 4 S.N. 102-0046 Information Only

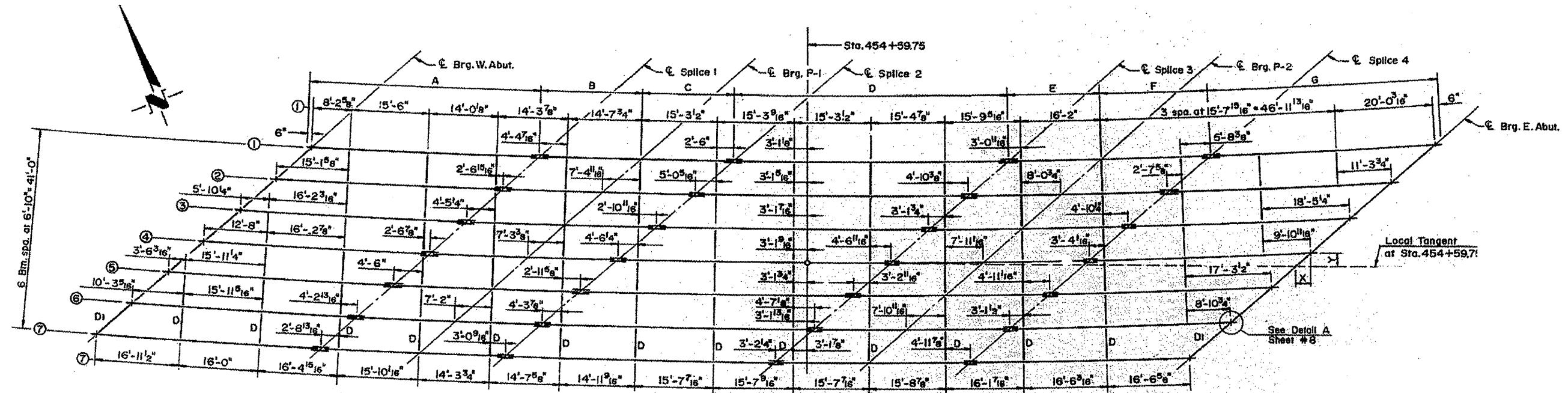


SEC. A-A

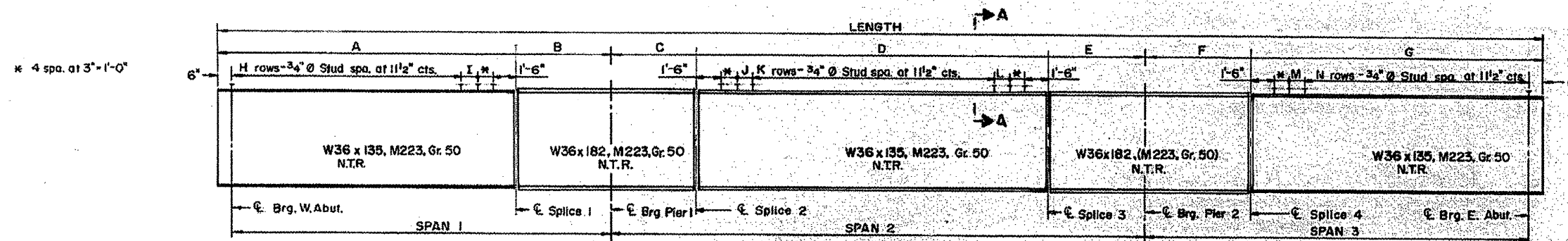


FILE NAME 68A62 Metalroadgr	USER NAME AduleDR	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLT SCALE 1"=84' ± 1/4"	CHECKED ---	REVISED ---	Var		D4 Metalizing 2012	Marshall-woodford	21	14	
PLT DATE 12/29/2011	DATE ---	REVISED ---	CONTRACT NO. 68A62						
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____									

# Location 4 S.N. 102-0046 Information Only



**BEAM LAYOUT PLAN**



**BEAM ELEVATION**

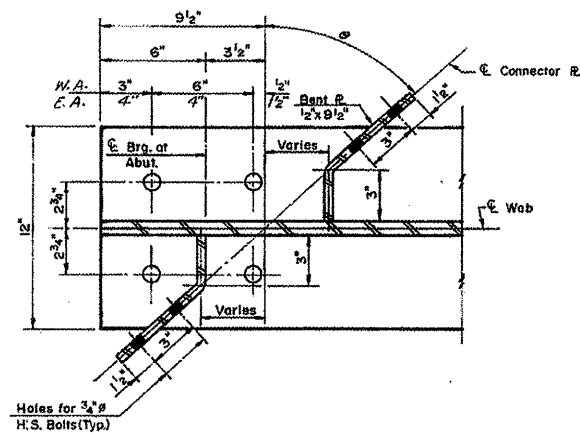
FILE NAME 68A62 Metalized.pdf	USER NAME AdedeSA	DESIGNED -	REVISED -
PLOT SCALE 1/8" = 1'-0"	CHECKED -	REVISIONS -	REVISIONS -
PLOT DATE 12/29/2011	DATE -	REVISIONS -	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____
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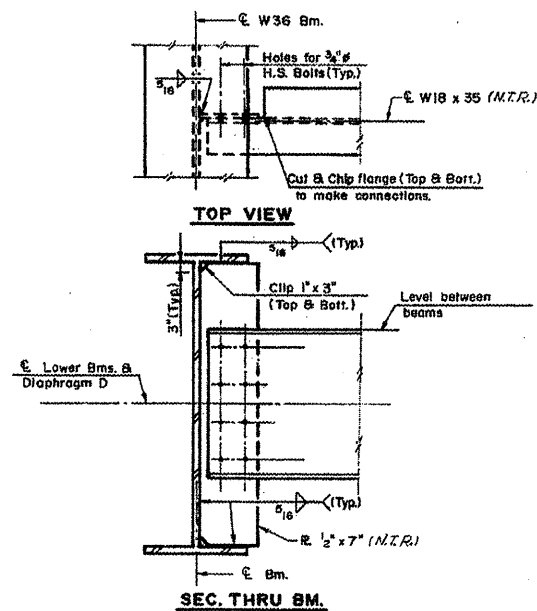
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Var	D4 Metalizing 2012	Marshall-woodford	21	15
CONTRACT NO. 68A62			ILLINOIS FED. AID PROJECT	

# Location 4      S.N. 102-0046 Information Only

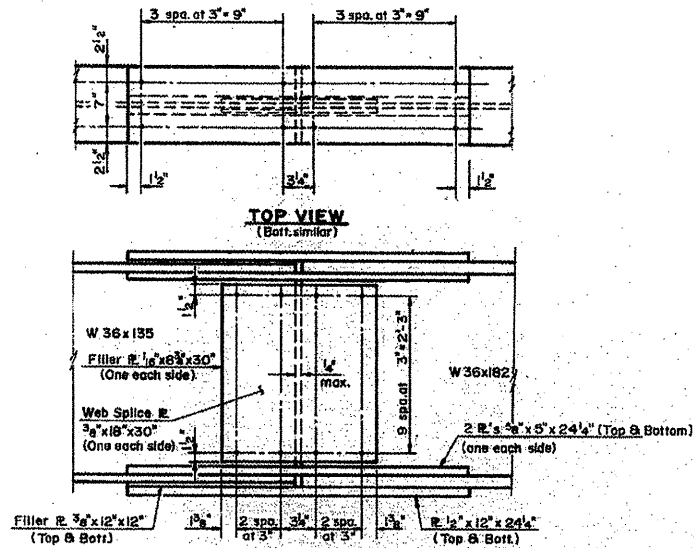


**DETAIL A**

VALUE OF θ							
Location	Bm.1	Bm.2	Bm.3	Bm.4	Bm.5	Bm.6	Bm.7
W. Abut.	45°17'16"	45°04'47"	44°32'25"	44°40'12"	44°28'06"	44°16'09"	44°04'18"
E. Abut.	52°10'10"	51°54'16"	51°36'34"	51°23'04"	51°07'46"	50°52'39"	50°37'44"

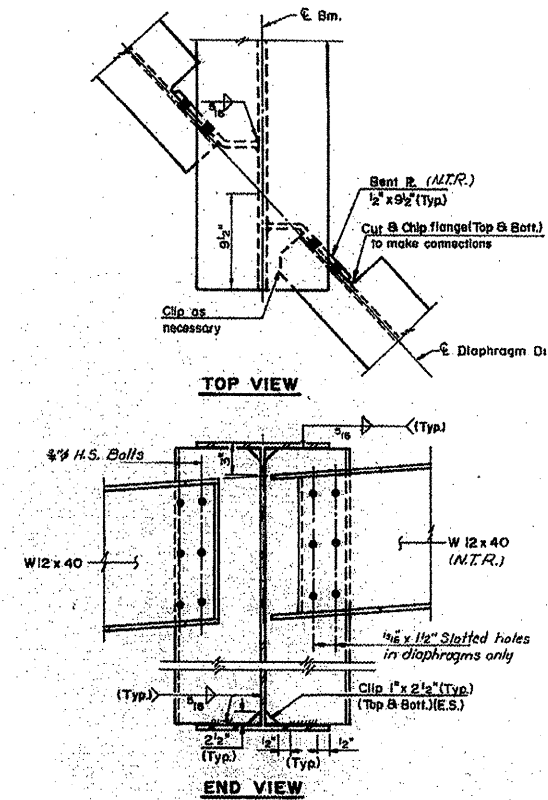


**DETAIL OF DIAPHRAGM D**  
(177 required)



**ELEVATION**  
**FIELD SPLICE DETAILS**

(Typ. All Splices)  
(Flange Splice Fasteners shall be 3/4 H.S. Bolts with open hole 1/8 #.)  
All Splice plates shall be M223, Gr. 50 steel & shall conform to Notch Toughness Requirements.



**DETAIL OF DIAPHRAGM D1**  
(12 Required)

FILE NAME 68A62 Metalize.dgn	USER NAME Ardash	DESIGNED -	REVISED -
PLOT SCALE 1/8" = 1'-0"	CHECKED -	DRAWN -	REVISED -
PLOT DATE 12/24/2011	DATE -	DATE -	REVISED -

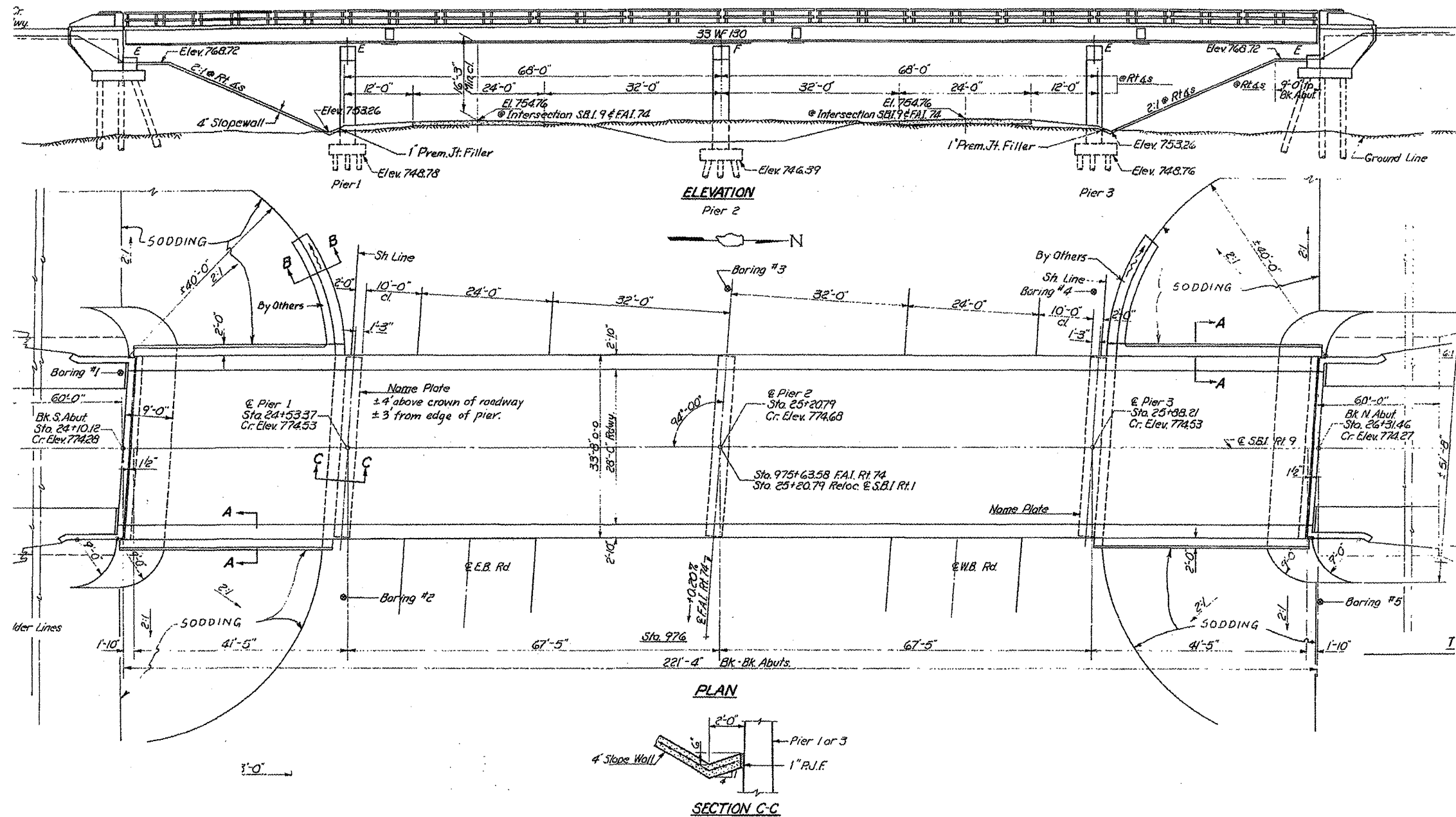
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A. RTE. _____	SECTION D4 Metalizing 2012	COUNTY Marshallwoodford	TOTAL SHEETS 22	SHEET NO. 16
ILLINOIS PER. AID PROJECT						CONTRACT NO. 68A62	



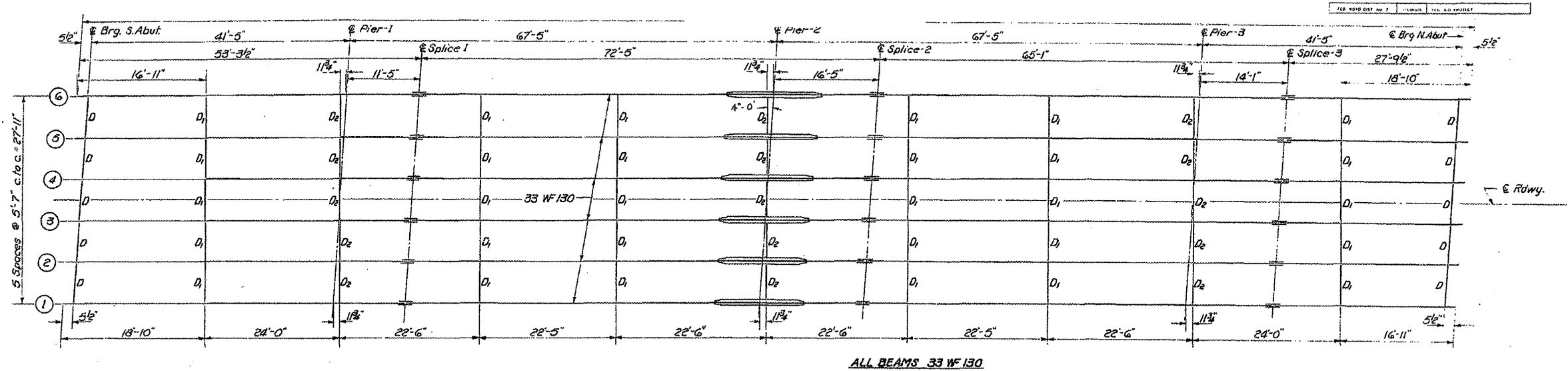


# Location 5 S.N. 102-0009 Information Only



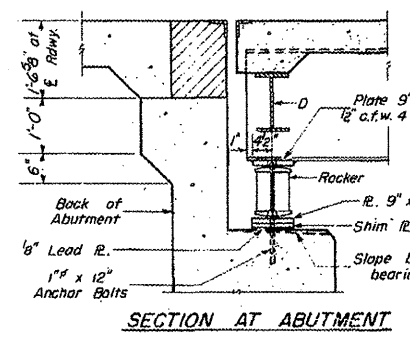
FILE NAME 68A52 Metatling.dgn	USER NAME Aadada	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A. RTE. Var	SECTION D4 Metatling 2012	COUNTY Marshallwoodford	TOTAL SHEETS 21	SHEET NO. 18
PLOT SCALE = 3/8" = 1' = 1/8"		CHECKED -	REVISED -					CONTRACT NO. 68A52		ILLINOIS FEED AID PROJECT		
PLOT DATE = 12/29/2011		DATE -	REVISED -									

# Location 5 S.N. 102-0009 Information Only

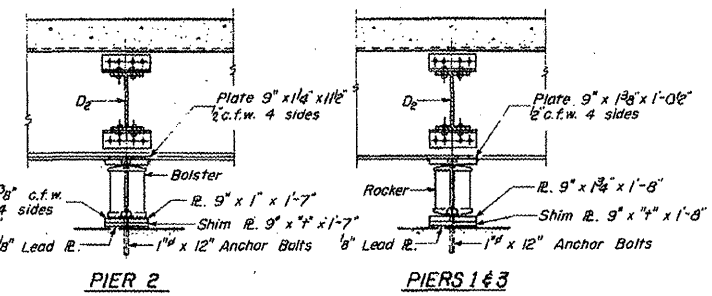


ALL BEAMS 33 W130

PLAN

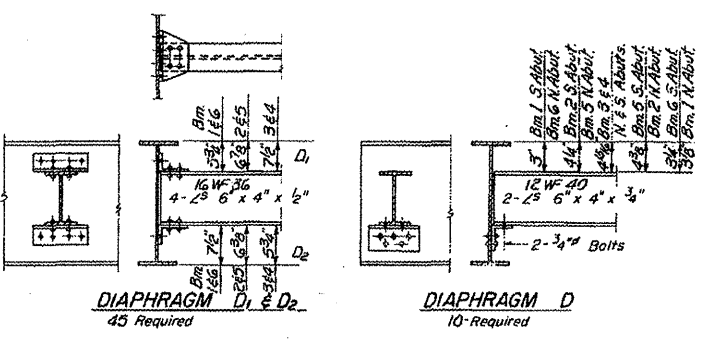


SECTION AT ABUTMENT



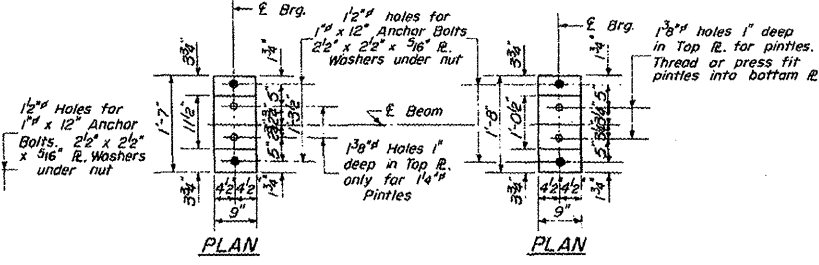
PIER 2

PIERS 1 & 3



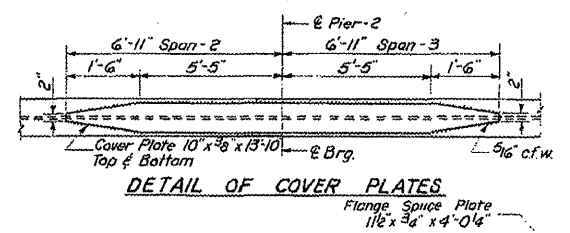
DIAPHRAGM D<sub>1</sub> & D<sub>2</sub>

DIAPHRAGM D

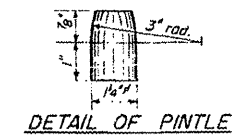


PLAN

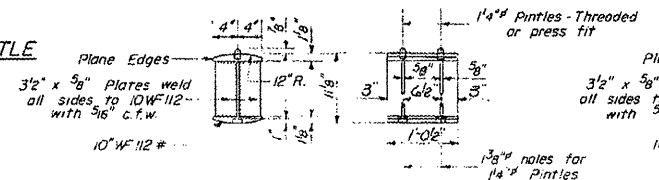
PLAN



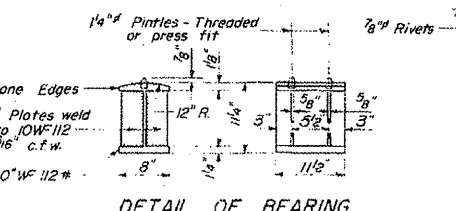
DETAIL OF COVER PLATES



DETAIL OF PINTLE



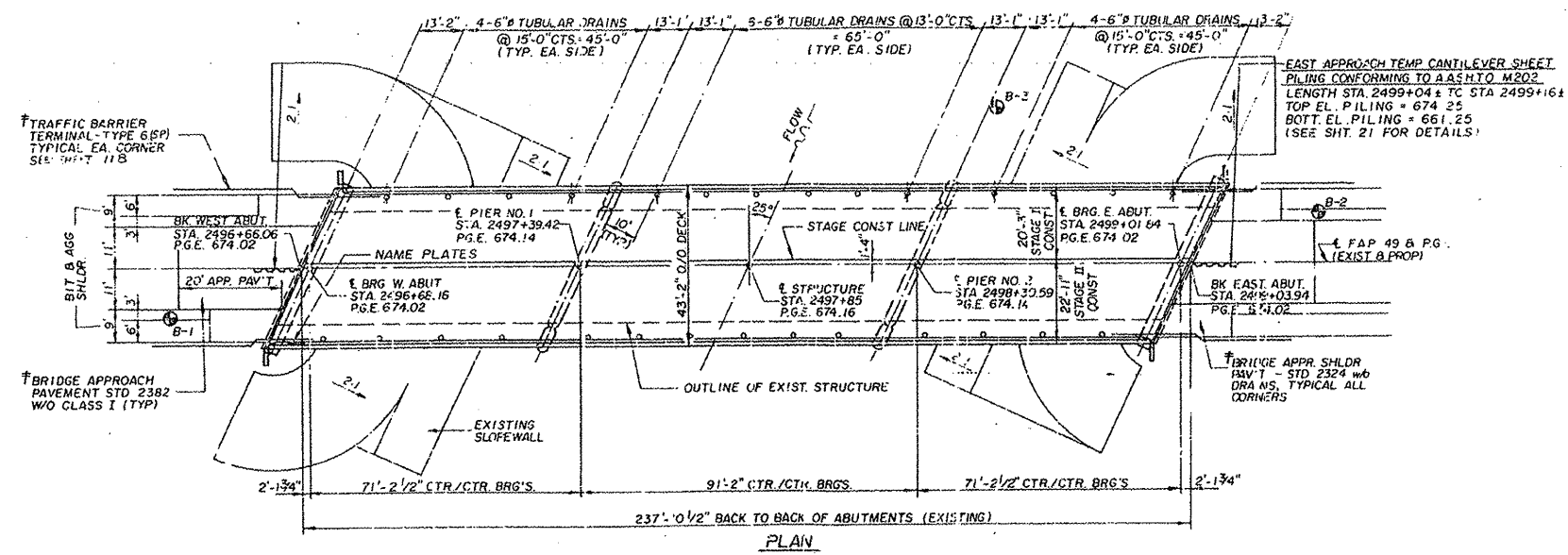
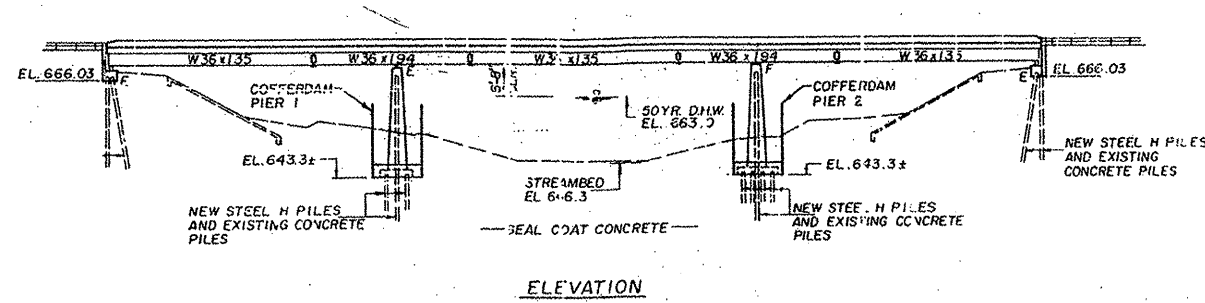
DETAIL OF BEARING AT PIER 1 & 3 & ABUTS



DETAIL OF BEARING AT PIER 2

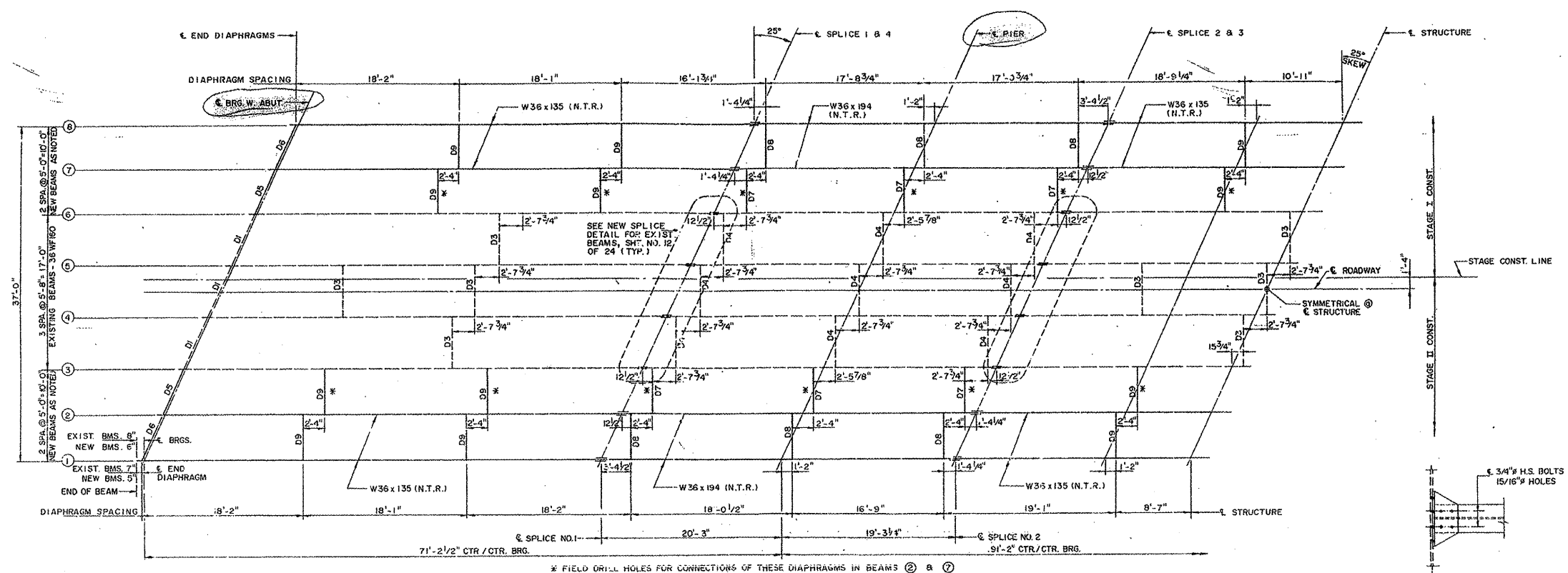
FILE NAME 68A62 Metalizing	USER NAME AtadeSA	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE ---	SHEET OF SHEETS	STA. TO STA.	SECTION 04 Metalizing 2012	COUNTY Marshallwoodford	TOTAL SHEETS 21	SHEET NO. 19
PLOT SCALE 1/8" = 1'-0"		CHECKED ---		CONTRACT NO. 68A62		ILLINOIS FED. AID PROJECT					

# Location 6 S.N. 102-0008 Information Only

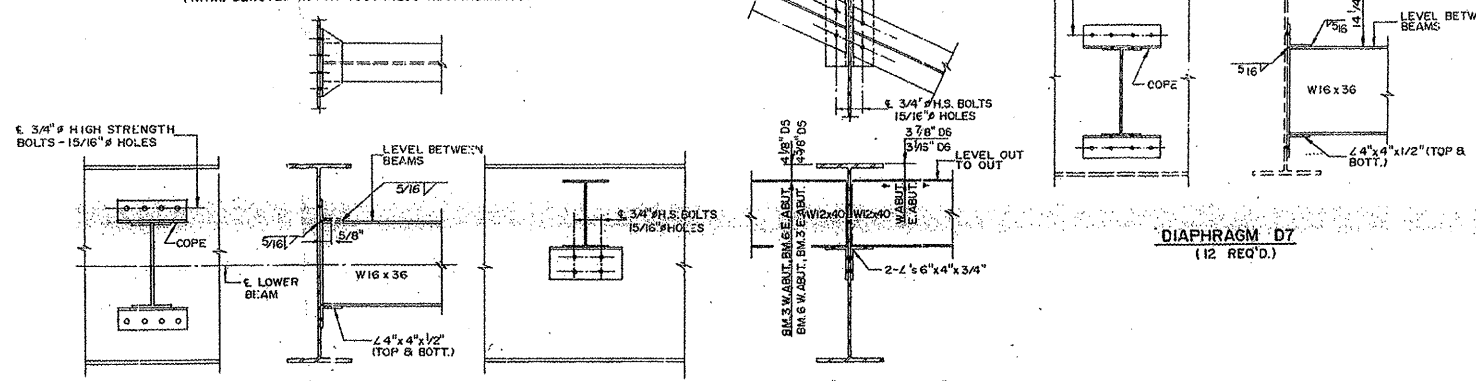


FILE NAME 6862 Metalizing	USER NAME AdeleBA	DESIGNED	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	SECTION D4 Metalizing 2012	COUNTY Marshall-woodford	TOTAL SHEETS 21	SHEET NO. 19
	PLOT SCALE 2.180" = 1'	DRAWN	REVISIONS						
	PLOT DATE 12/24/2011	CHECKED	REVISIONS						
		DATE	REVISIONS						
ILLINOIS FED. AID PROJECT 6862									

# Location 6      S.N. 102-0008 Information Only



### HAIR FRAMING PLAN (N.T.R. DENOTES NOTCH TOUGHNESS REQUIREMENTS)



**DIAPHRAGM D9 & D8**  
(24 REQ'D. - D9)  
(12 REQ'D. - D8)

**DIAPHRAGM D5 & D6**  
(8 REQ'D.)

**DIAPHRAGM D7**  
(12 REQ'D.)

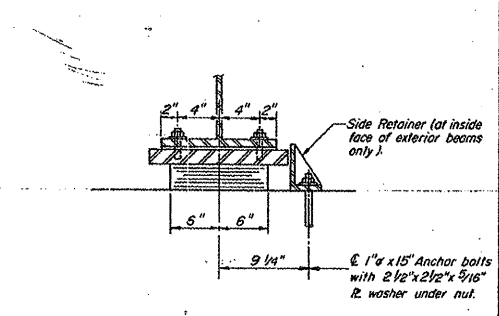
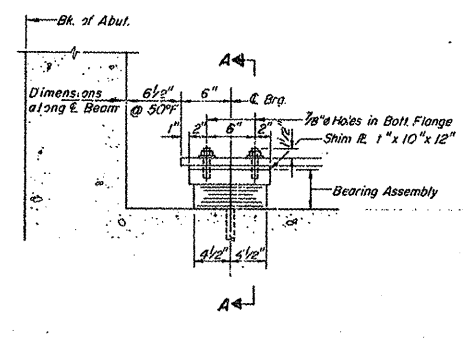
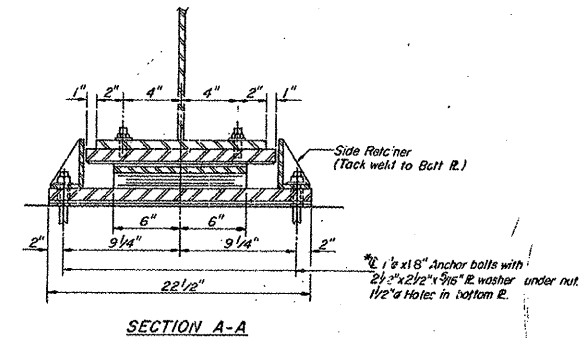
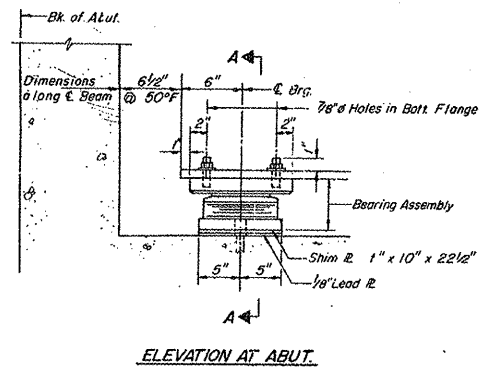
FILE NAME 68A62 Metalizing.dwg	USER NAME Adeola	DESIGNED ---	REVISED ---
		DRAWN ---	REVISED ---
		CHECKED ---	REVISED ---
		DATE ---	REVISED ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____
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F.A. RTE. Var	SECTION D4 Metalizing 2012	COUNTY Marshall-woodford	TOTAL SHEETS 21	SHEET NO. 20
CONTRACT NO. 68A62			ILLINOIS FED. AID PROJECT	

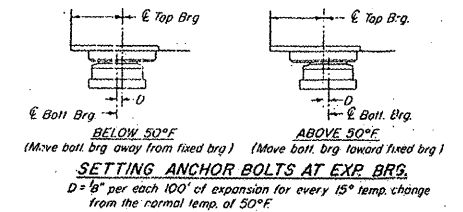
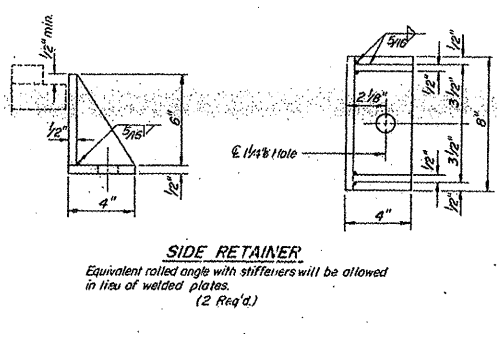
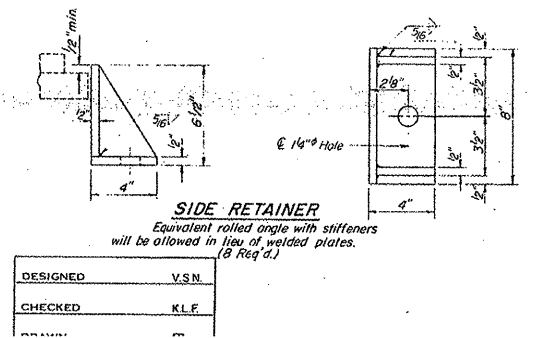
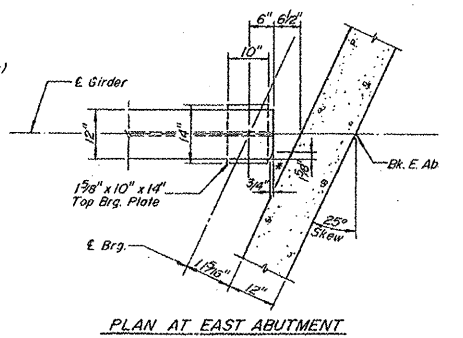
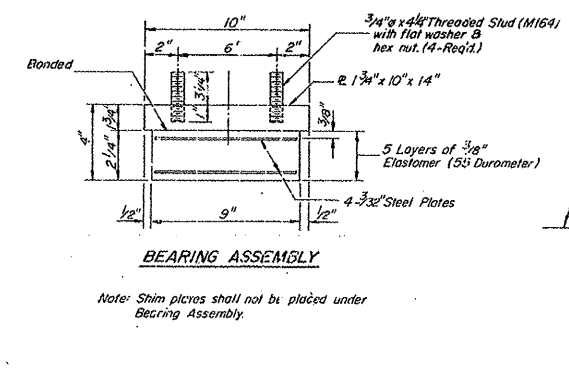
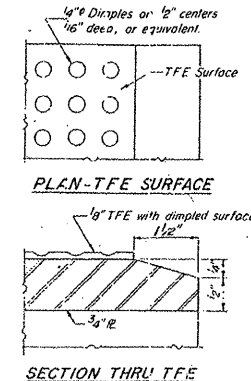
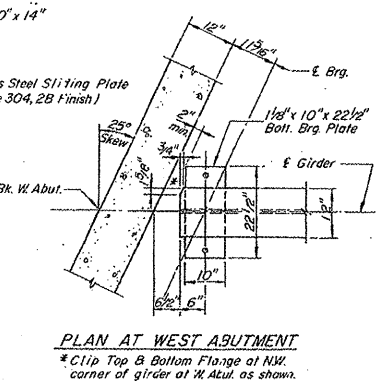
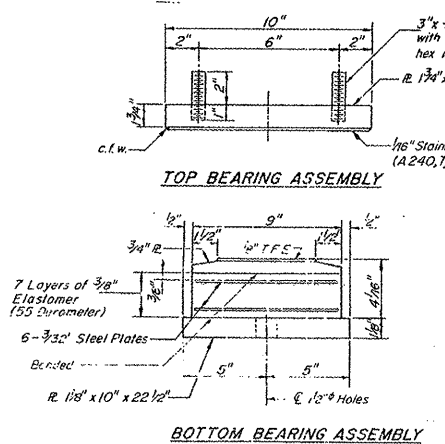
# Location 6 S.N. 102-0008 Information Only



**TYPE II TFE ELASTOMERIC EXP BRG. AT WEST ABUTMENT**

**TYPE I ELASTOMERIC EXP BRG. AT EAST ABUTMENT**

**Notes:**  
 1. After new girders have been erected holes of expansion bearings shall be drilled and anchor bolts grouted in place.  
 2. 5/8" Sheet 16 for Anchor Bolt installation.



**BILL OF MATERIAL**

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	4
Elastomeric Bearing Assembly Type II	Each	4

**ABUTMENT BEARING DETAILS FOR NEW GIRDERS**  
 U.S. 24 OVER PANTHER CREEK  
 FAP. 49, SECTION 32R-BR  
 WOODFORD COUNTY  
 STA. 2497+85

FILE NAME 68A62 Modelling.dgn	USER NAME AdadaSA	DESIGNED V.S.N.	REVISED
		DRAWN	REVISED
		CHECKED K.L.F.	REVISED
		DATE	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____
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F.A. RTE. var	SECTION 04 Metallizing 2012	COUNTY Marshall-woodford	TOTAL SHEETS 21	SHEET NO. 21
CONTRACT NO. 68A62			ILLINOIS FED. AID PROJECT	