

11-04-2016 LETTING ITEM 086

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

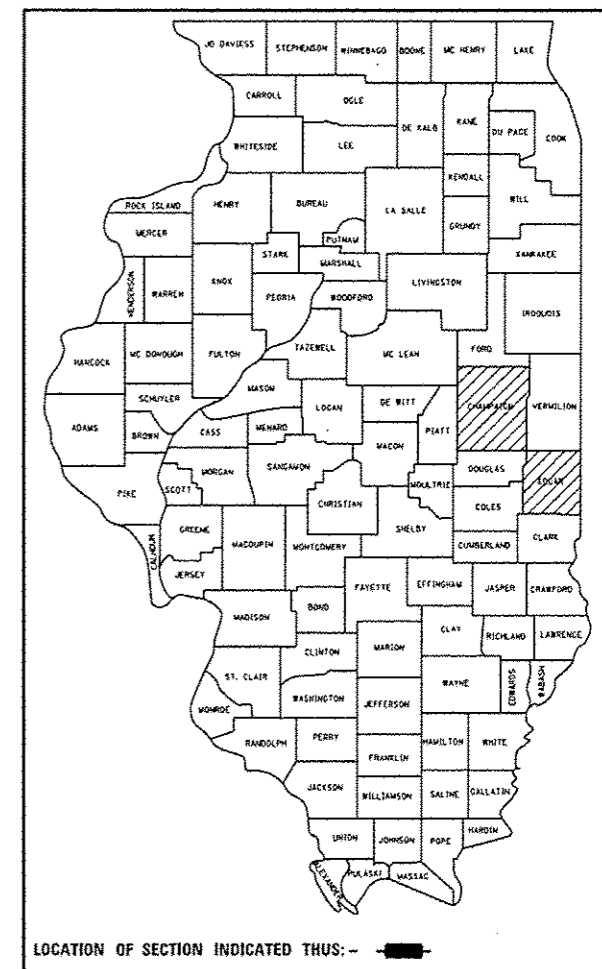
VARIOUS ROUTES
SECTION D5 BRIDGE PAINTING 2017-1

BRIDGE PAINTING
CHAMPAIGN & EDGAR COUNTIES

C-95-057-16

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 BRIDGE PAINTING 2017-1	CHAMPAIGN & EDGAR	32	1
ILLINOIS CONTRACT NO. 70C29				

D-95-057-16



LOCATION OF SECTION INDICATED THUS: -

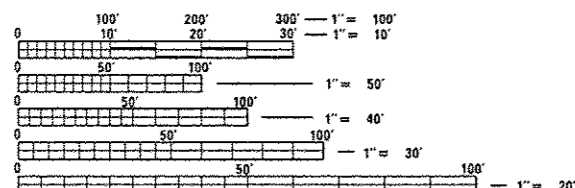
CURRENT ADT

	LOC. #1	LOC. #2	LOC. #3	LOC. #4
ADT (2015)	22,000	19,700	3,500	6,150

TRAFFIC DATA LOCATIONS

- LOC. #1 = S.N. 010-0254 - FAP 813 (OLYMPIAN DR.) OVER FAI 57 IN CHAMPAIGN.
LOC. #2 = S.N. 010-0082 - FAS 516 (ELM ST.) OVER FAI-57 AT LUDLOW.
LOC. #3 = S.N. 023-0013 - FAP 91 (US 150) OVER SUGAR CREEK 1 MILE E. OF PARIS.
LOC. #4 = S.N. 023-0024 - FAP 332 (US 150 / IL 1) OVER TWIN LAKES IN PARIS.

FOR LOCATION MAPS, SEE SHEETS 3-6



FULL SIZE PLANS HAVE 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

PROJECT ENGINEER: NANCY FASIG
SQUAD LEADER: STEVE COOMBES
(217) 465-4181

CONTRACT NO. 70C29

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 9, 2016

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

SEP 30 2016

ENGINEER OF DESIGN AND ENVIRONMENT

SEP 30 2016

DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701316-10	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS $>$ 45 MPH
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-11	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS \geq 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES

FILE NAME =	USER NAME = oombeasf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES	CHAMPAIGN & EDGAR				
p:\NLS\B&E\ID\INTE\Illinois.gov\PW007\Documents\DOT Office\District 5\Projects\0570\Drawings\State\Design\DS78C29-shr-plan.dgn		DRAWN -	REVISED -			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			VAR.	D5 BRIDGE PAINTING 2017-1	*	32	2
PLOT SCALE = 40.2000' / in.		DATE -	REVISED -			CONTRACT NO. 70C29				
PLOT DATE = 0/5/2016										
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	THIS INCLUDES ALL PROJECT				

LOCATION #1
DESCRIPTION

LOCATION #1

DESCRIPTION: F.A.P. 813 (OLYMPIAN DR.) OVER I-57 0.25 MILES N. OF CHAMPAIGN
COUNTY: CHAMPAIGN
ROUTE: F.A.I. 57
MARKED ROUTE: I-57
SECTION: 10-34HBK
STRUCTURE NO.: 010-0254
TYPE OF STRUCTURE: CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

THE STRUCTURE HAS AN EXISTING ZINC-VINYL COATING. THE CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS FOR CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES.

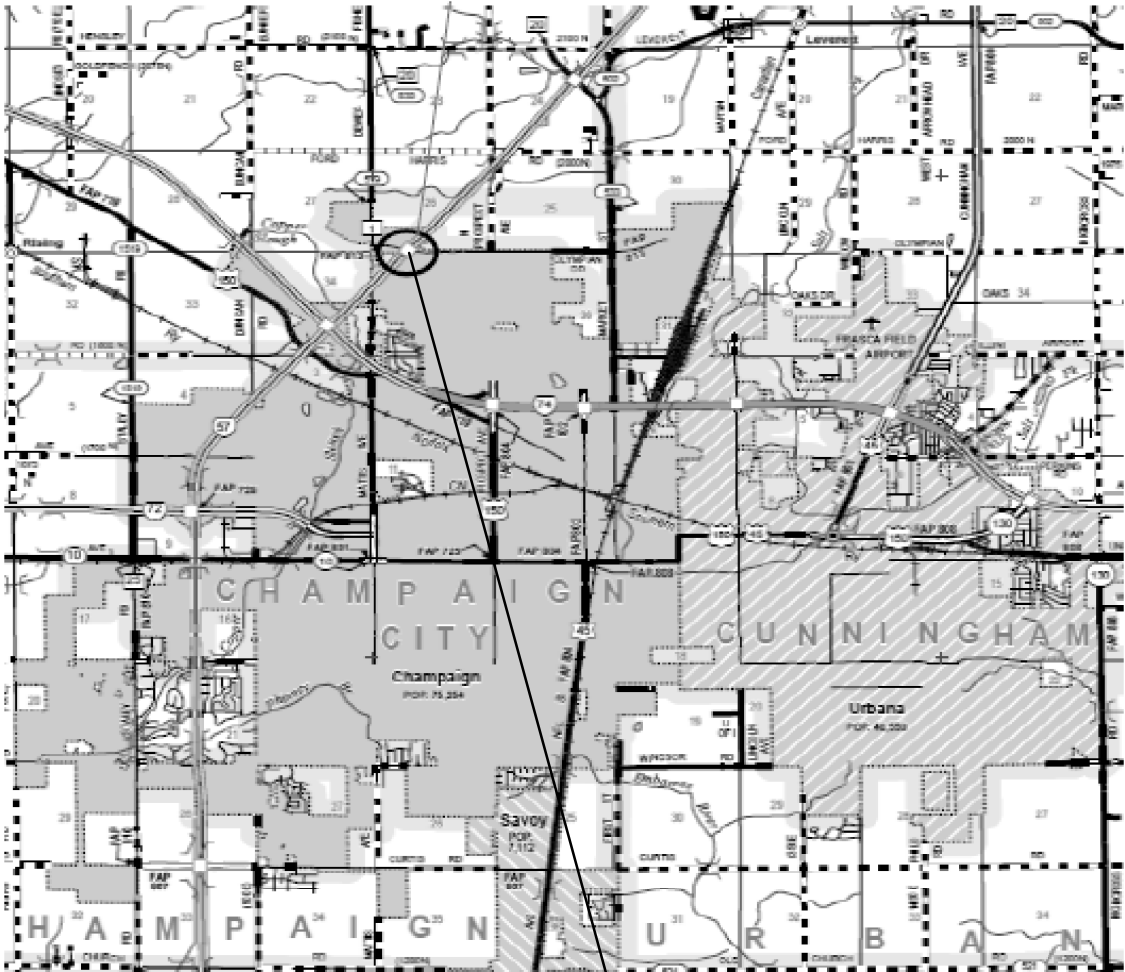
THE CONTRACTOR SHALL PROTECT EXISTING UTILITY CONDUITS, LIGHTS, AND SURVILLANCE CAMERAS FROM DAMAGE FROM THE CONTRACTORS BLASTING AND PAINTING OPERATIONS BY MEANS APPROVED BY THE ENGINEER AT NO ADDITIONAL COST.

NOTE: DECK DRAINS TO BE PAINTED AT NO ADDITIONAL COST.

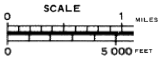
NOTE: ELASTOMERIC BEARINGS

2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

LOCATION MAP #1
CHAMPAIGN COUNTY



LOCATION 1
S.N. 010-0254



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
p:\1\084EBID\TEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570C29\Drawings\Design\0570C29-shr-plan.dgn		CHECKED -	REVISED -
		PLLOT SCALE = 40.0000' / in.	REVISED -
		PLOT DATE = 8/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #1 DESCRIPTION AND LOCATION MAP

SCALE: SHEET NO. OF SHEETS STA. TO STA.

*CHAMPAIGN & EDGAR				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D5 BRIDGE PAINTING 2017-1			32	3
CONTRACT NO. 70C29				
ILLINOIS FED. AID PROJECT				

LOCATION #2
DESCRIPTION

DESCRIPTION: F.A.S. 516 (ELM ST) OVER I-57 AT LUDLOW
COUNTY: CHAMPAIGN
ROUTE: F.A.I. 57
MARKED ROUTE: I-57
SECTION: 10-38HB
STRUCTURE NO.: 010-0082
TYPE OF STRUCTURE: 4 SPAN STEEL I BEAM

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES.

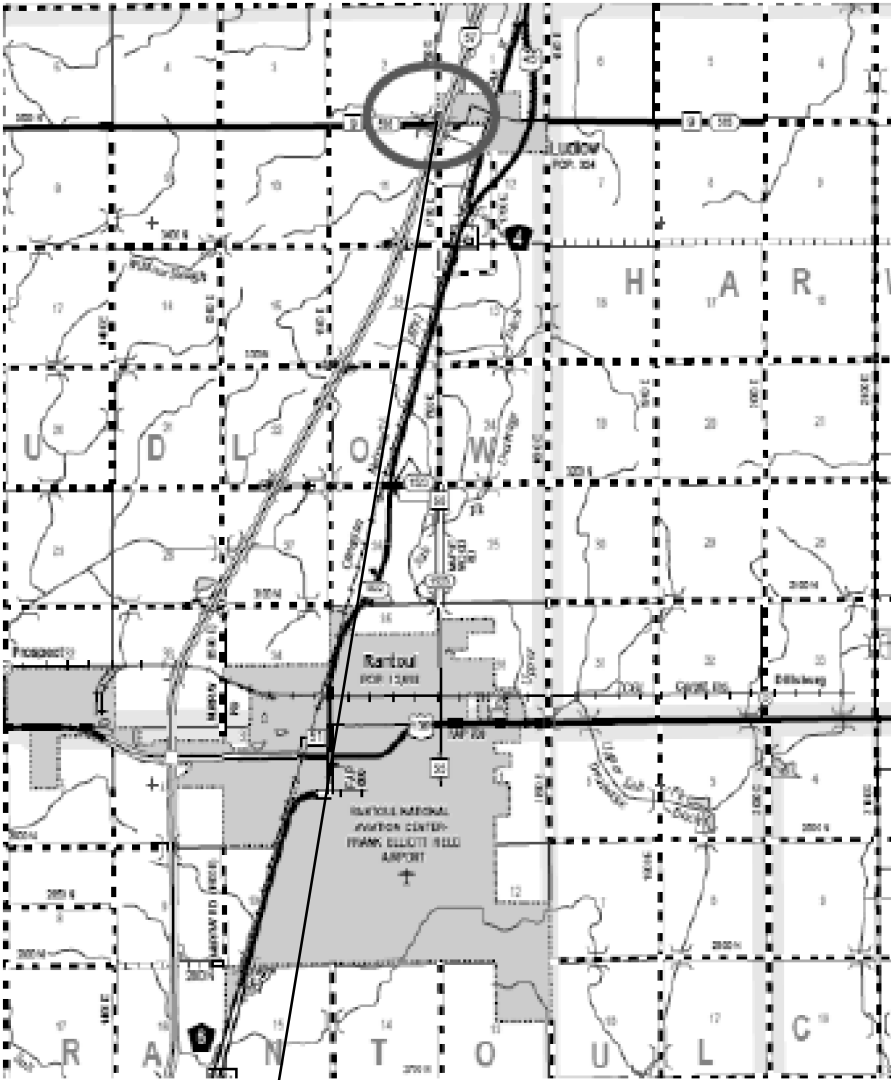
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS TO BE PAINTED AT NO ADDITIONAL COST.

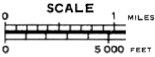
NOTE: ELASTOMERIC BEARINGS

2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

LOCATION MAP #2
CHAMPAIGN COUNTY



LOCATION 2
S.N. 010-0082



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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		PLOT SCALE = 40.0000' / in.	REVISED -
		PLOT DATE = 8/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #2 DESCRIPTION AND LOCATION MAP

SCALE: SHEET NO. OF SHEETS STA. TO STA.

*CHAMPAIGN & EDGAR				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D5 BRIDGE PAINTING 2017-1		*	32	4
CONTRACT NO. 70C29				
ILLINOIS FED. AID PROJECT				

LOCATION #3	DESCRIPTION
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DESCRIPTION:	F.A.P. 91 (US 150) OVER SUGAR CREEK 1 MILE E. OF PARIS
COUNTY:	EDGAR
ROUTE:	F.A.P. 91
MARKED ROUTE:	U.S. 150
SECTION:	101BR
STRUCTURE NO.:	023-0013
TYPE OF STRUCTURE:	3 SPAN STEEL GIRDER - (5 GIRDERS)

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL INCLUDING DECK
EXTENSION DRAINS SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR
"CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL STRUCTURAL STEEL,
INCLUDING BEAMS, BEARINGS AND DIAPHRAGMS, SHALL BE CLEANED PER NEAR
WHITE BLAST CLEANING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES.

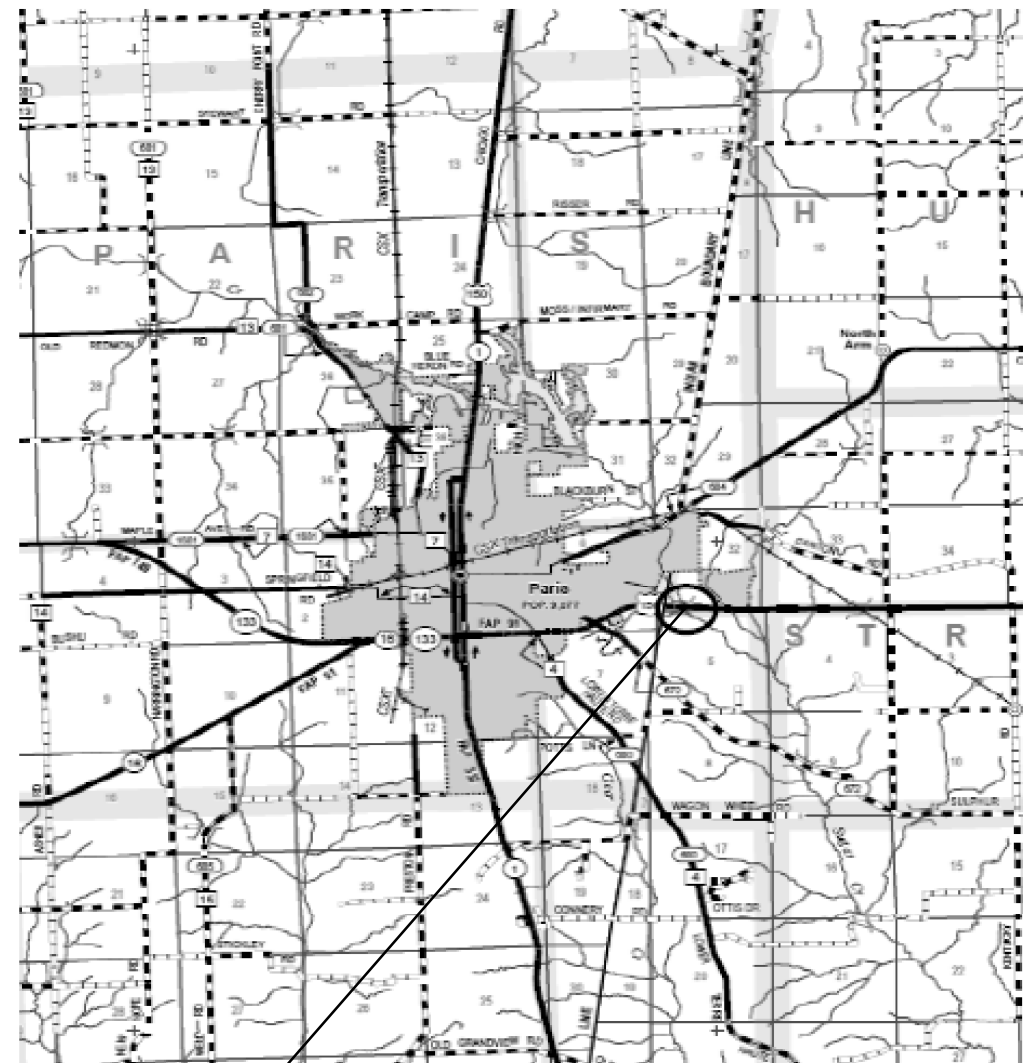
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS TO BE PAINTED AT NO ADDITIONAL COST.

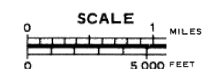
NOTE: ELASTOMERIC BEARINGS

2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

LOCATION MAP #3
EDGAR COUNTY



LOCATION 3
S.N. 023-0013



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>				<div>LOCATION #3 DESCRIPTION AND LOCATION MAP</div>					F.A. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
pw\NL084EBIDINTEGallinois.gov\PIDOT\Documents\DOT Offices\District 5\Projects\DS70C29\Drawn\Date\Design\DS70C29-shr-plan.dgn		CHECKED -	REVISED -										VAR. D5 BRIDGE PAINTING 2017-1		•		32	5	
PLOT SCALE = 40.0000' / 1in.		CHECKED -	REVISED -					SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 70C29				
PLOT DATE = 8/5/2016		DATE	REVISED -					ILLINOIS FED. AID PROJECT											

LOCATION #4
DESCRIPTION

DESCRIPTION: F.A.P. 332 (US 150 / IL 1) OVER TWIN LAKES IN PARIS
COUNTY: EDGAR
ROUTE: F.A.P. 332
MARKED ROUTE: US 150 / IL1
SECTION: (C-X)BR
STRUCTURE NO.: 023-0024
TYPE OF STRUCTURE: 2 SPAN CONTINUOUS WEATHERING STEEL BRIDGE (11 BEAMS)

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, DIAPHRAGMS, AND OTHER STRUCTURAL STEEL MEASURED FIVE (5) FT. ALONG BEAM LINES FROM EACH END OF THE STRUCTURE, INCLUDING BEARINGS AND DIAPHRAGMS, SHALL BE CLEANED PER NEAR WHITE BLAST SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL SURFACES SHALL BE REDDISH BROWN (MUNSELL COLOR STD. 2.5YR 3/4).

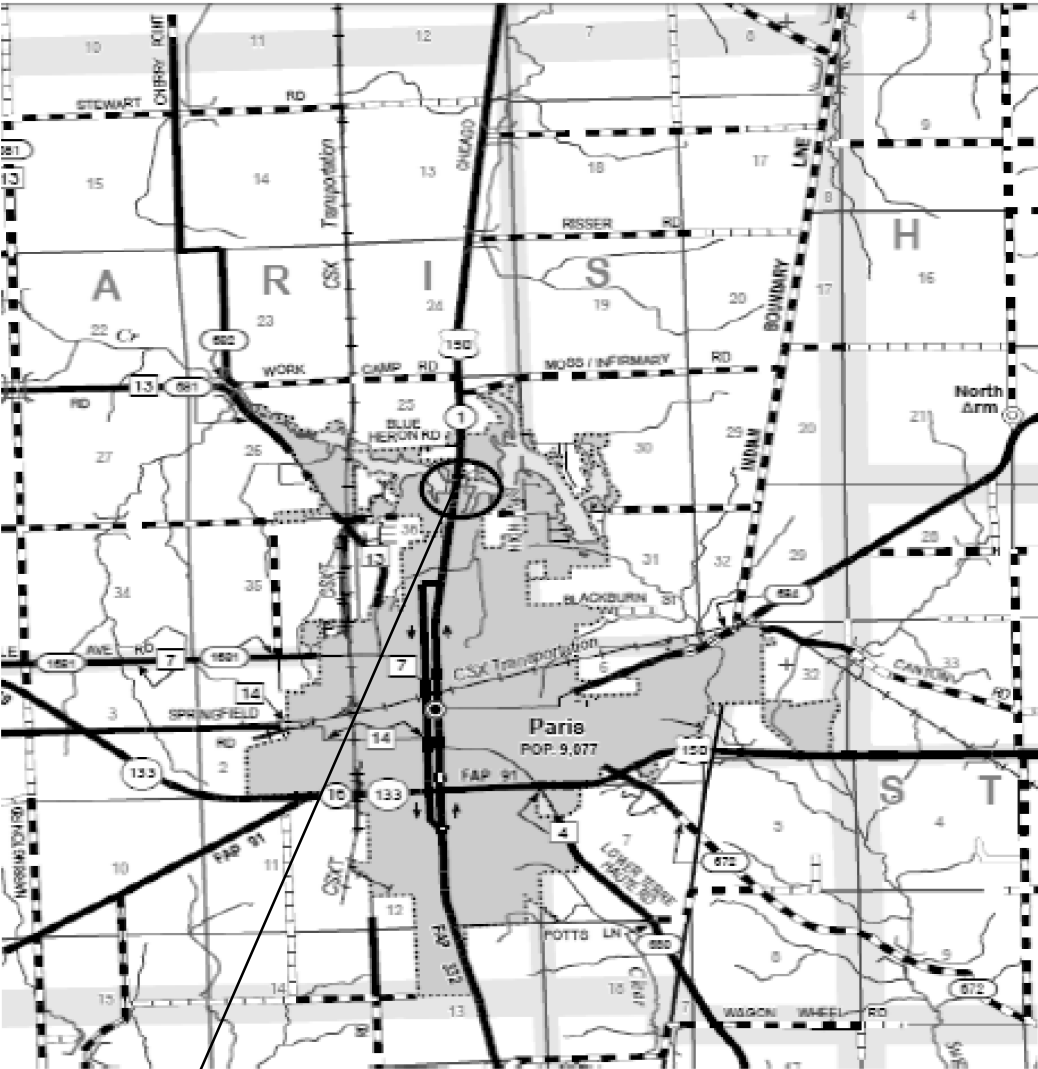
A MINIMUM OF FOUR (4) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES.

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS TO BE PAINTED AT NO ADDITIONAL COST

NOTE: ELASTOMERIC BEARINGS

LOCATION MAP #4
EDGAR COUNTY



LOCATION 4
S.N. 023-0024

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 8/5/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4 DESCRIPTION AND LOCATION MAP

SCALE: SHEET NO. OF SHEETS STA. TO STA.

•CHAMPAIGN & EDGAR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D5 BRIDGE PAINTING 2017-1		•	32	6
			CONTRACT NO. 70C29	
ILLINOIS		FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION OF WORK:

LOC. #1	LOC. #2	LOC. #3	LOC. #4
F.A.I. 57	F.A.I. 57	F.A.P. 91	F.A.P. 332
S.N. 010-0254	S.N. 010-0082	S.N. 023-0013	S.N. 023-0024
CHAMPAIGN CO.	CHAMPAIGN CO.	EDGAR CO.	EDGAR CO.
URBAN	RURAL	URBAN	URBAN
100 % STATE	100 % STATE	100 % STATE	100 % STATE
0014	0014	0014	0014

CONSTRUCTION TYPE CODE:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
67100100	MOBILIZATION	L SUM	1.0	0.3	0.2	0.3	0.2
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	8.0	4.0	4.0		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4.0	4.0			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0			1.0	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0				1.0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.0				1.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1100.0	550.0	550.0		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1100.0	550.0	550.0		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4.0	2.0	2.0		
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4.0	2.0	2.0		
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1.0	1.0			
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1.0	1.0			

12

805 02 004

SUMMARY OF QUANTITIES

LOCATION OF WORK:

LOC. #1	LOC. #2	LOC. #3	LOC. #4
F.A.I. 57	F.A.I. 57	F.A.P. 91	F.A.P. 332
S.N. 010-0254	S.N. 010-0082	S.N. 023-0013	S.N. 023-0024
CHAMPAIGN CO.	CHAMPAIGN CO.	EDGAR CO.	EDGAR CO.
URBAN	RURAL	URBAN	URBAN
100 % STATE	100 % STATE	100 % STATE	100 % STATE
0014	0014	0014	0014

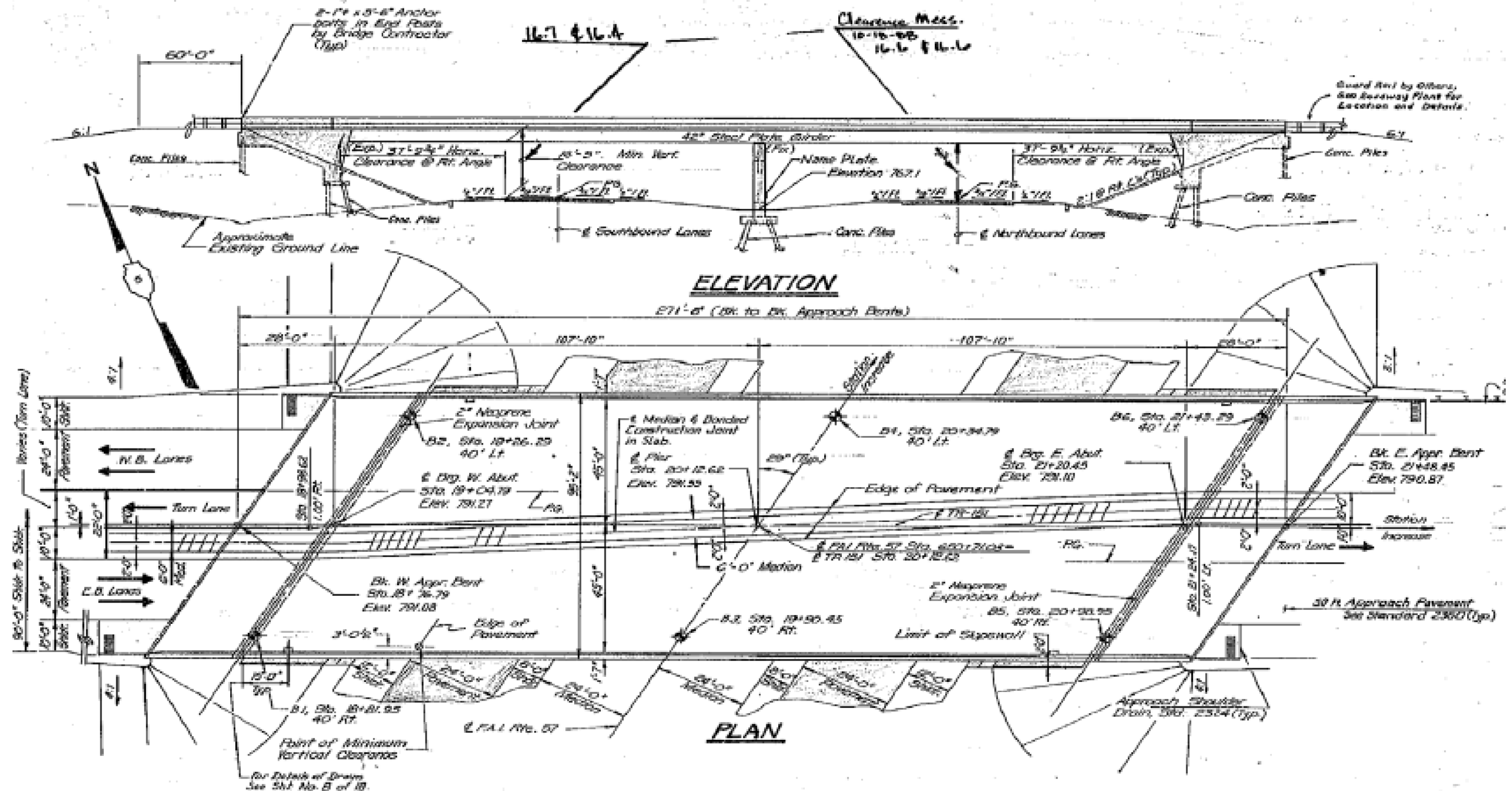
CONSTRUCTION TYPE CODE:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1.0		1.0		
X5067503	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 3	L SUM	1.0			1.0	
X7010410	SPEED DISPLAY TRAILER	CAL MO	3.0	1.5	1.5		
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28.0	14.0	14.0		
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	0.3	0.2	0.3	0.2
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING DESIDUES NO. 2	L SUM	1.0		1.0		
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING DESIDUES NO. 3	L SUM	1.0			1.0	
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING DESIDUES NO. 4	L SUM	1.0				1.0
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1.0	1.0			
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1.0		1.0		
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1.0			1.0	
Z0010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1.0				1.0

12

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	*CHAMPAIGN & EDGAR				
p:\11864EBID\INTEG\Illinois.gov\FWIDOT\Documents\1007 Office\District 5\Projects\2579\DRAWING\Date\Design\0578C29-ent-plan.dgn	PLOT SCALE = 48,0000' / in.	CHECKED -	REVISED -									F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT DATE = 8/5/2016	DATE -									REVISED -	VAR. D5 BRIDGE PAINTING 2017-1	*	32	6
														CONTRACT NO. 70C29		
												ILLINOIS FED. AID PROJECT				

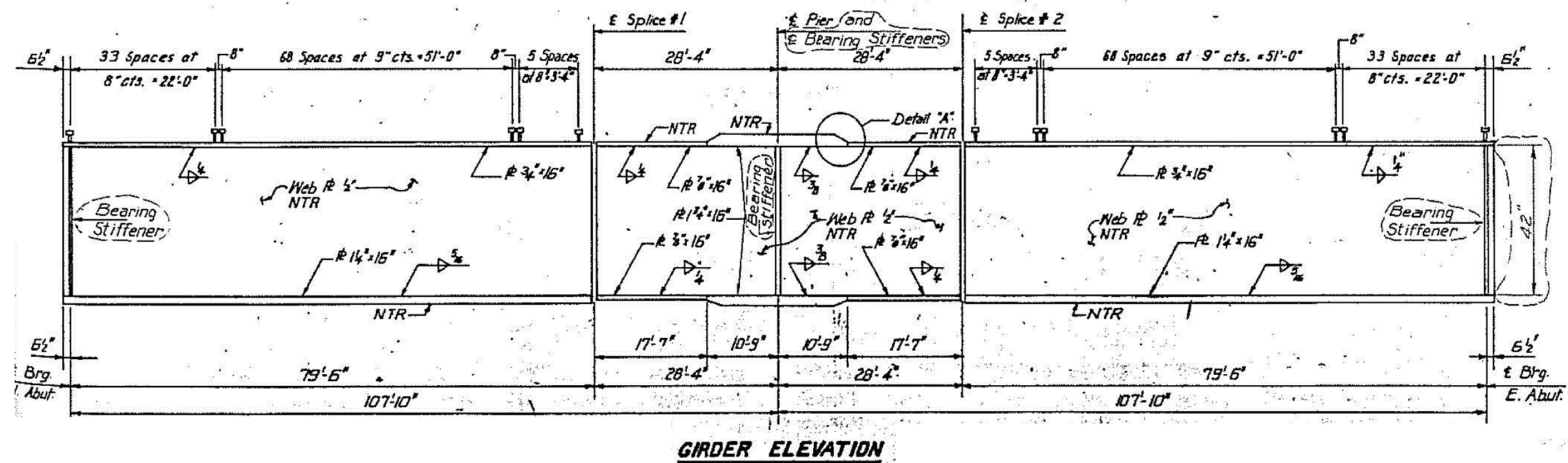
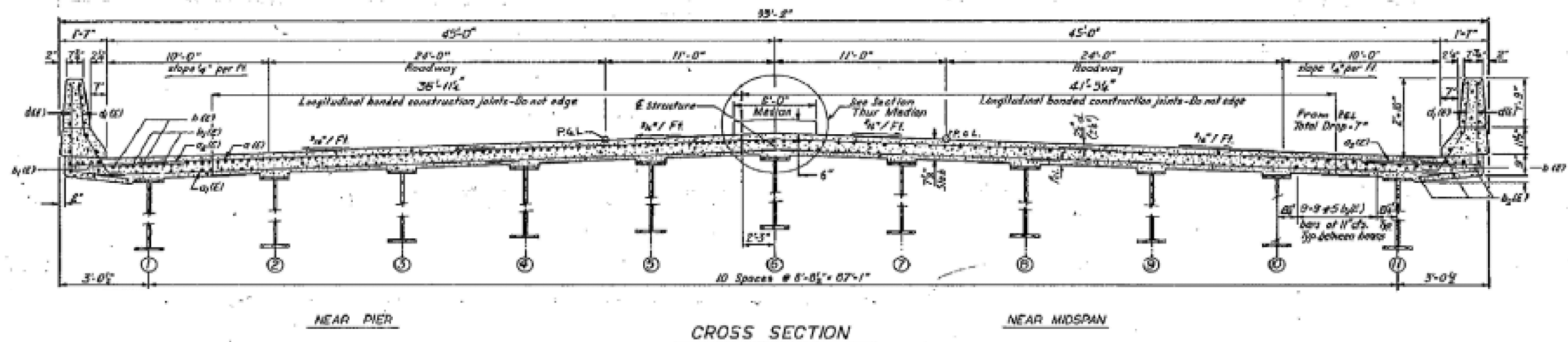
FOR INFORMATION ONLY
S.N. 010-0254



FOR INFORMATION ONLY

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>LOCATION #1 STRUCTURE DETAILS</div>					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt\NL084EBIDINTEGallinois.gov\PIDOT\Documents\DOT Offices\District 5\Projects\DS70C29\Drawings\Date\Design\DS70C29-sht-plandgn		CHECKED -	REVISED -							VAR. D5 BRIDGE PAINTING 2017-1	•	32	9	
PLOT SCALE = 40.0000' / 1in.	CHECKED -	REVISED -			CONTRACT NO. 70C29									
PLOT DATE = 8/5/2016	DATE	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				
ILLINOIS FED. AID PROJECT														

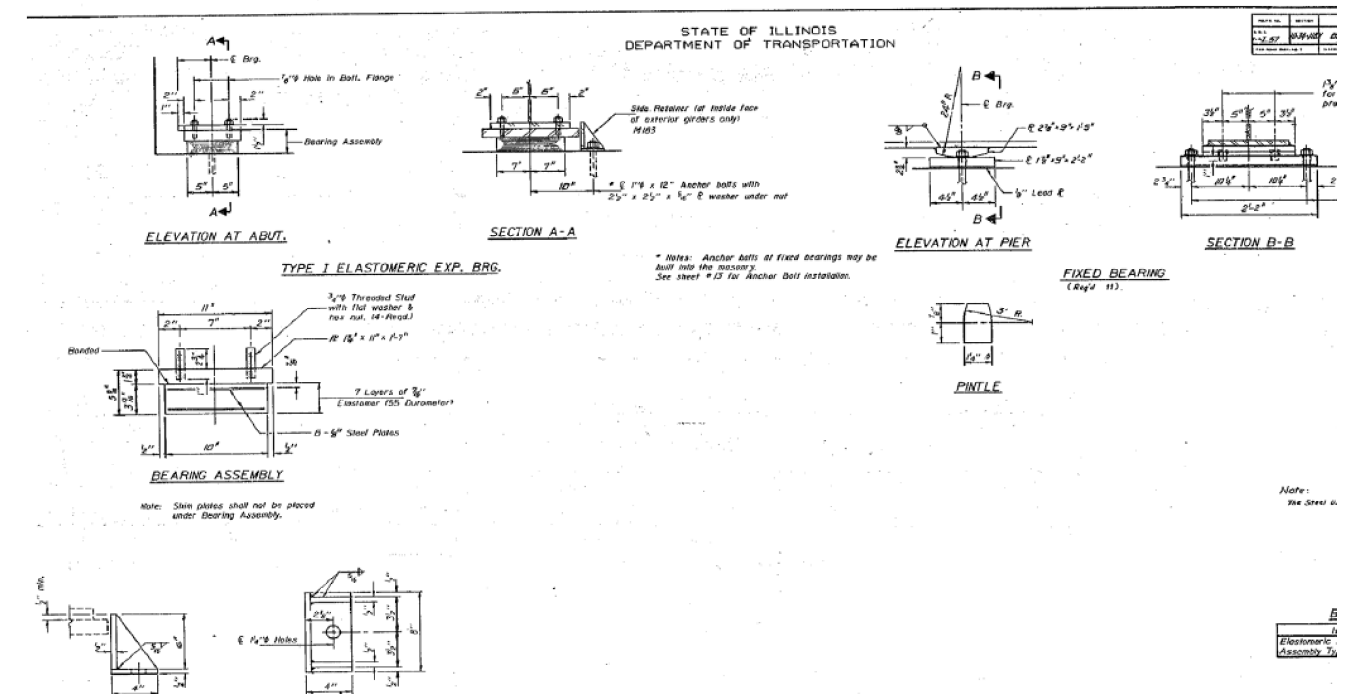
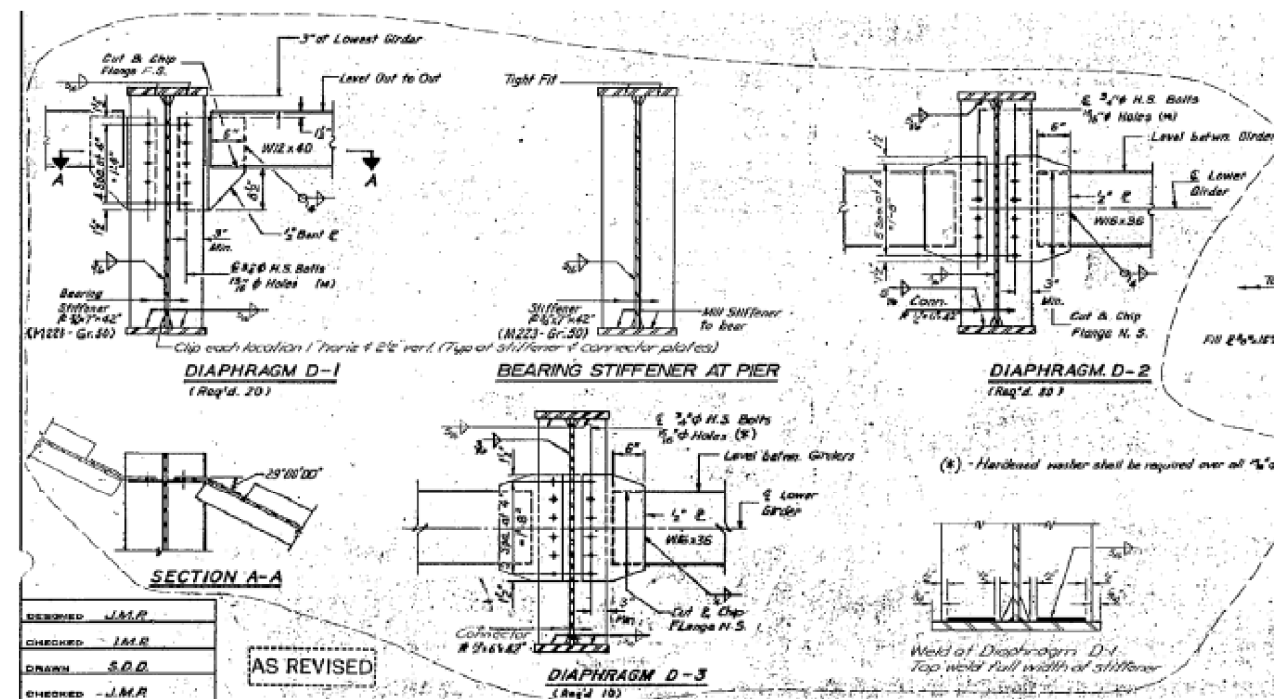
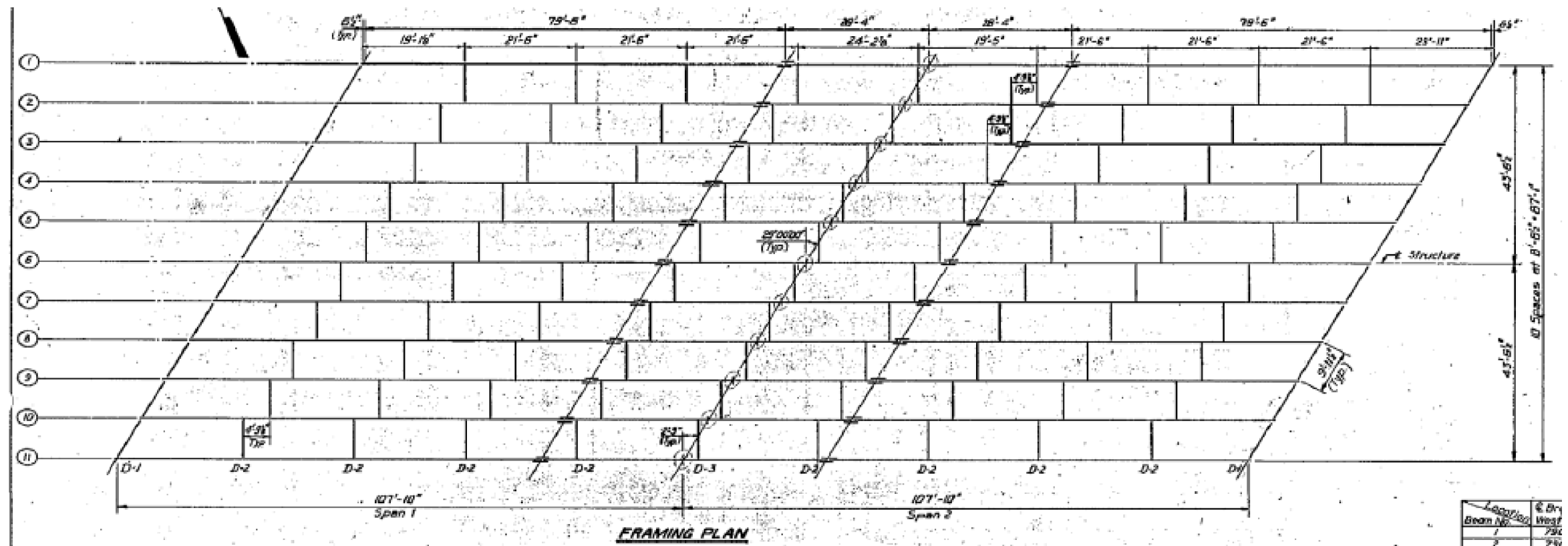
FOR INFORMATION ONLY
S.N. 010-0254



FOR INFORMATION ONLY

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>LOCATION #1 STRUCTURE DETAILS</div>						F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt\NL084EBIDINTEGallinois.gov\PIDOT\Documents\DOT Offices\District 5\Projects\DS7\Drawn\Date\Design\DS7\QC29-sht-plandgn		CHECKED -	REVISED -			VAR. D5 BRIDGE PAINTING 2017-1	•		32	10					
PLOT SCALE = 40.0000' / 1in.		CHECKED -	REVISED -			CONTRACT NO. 70C29									
PLOT DATE = 8/5/2016		DATE	REVISED -												
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				

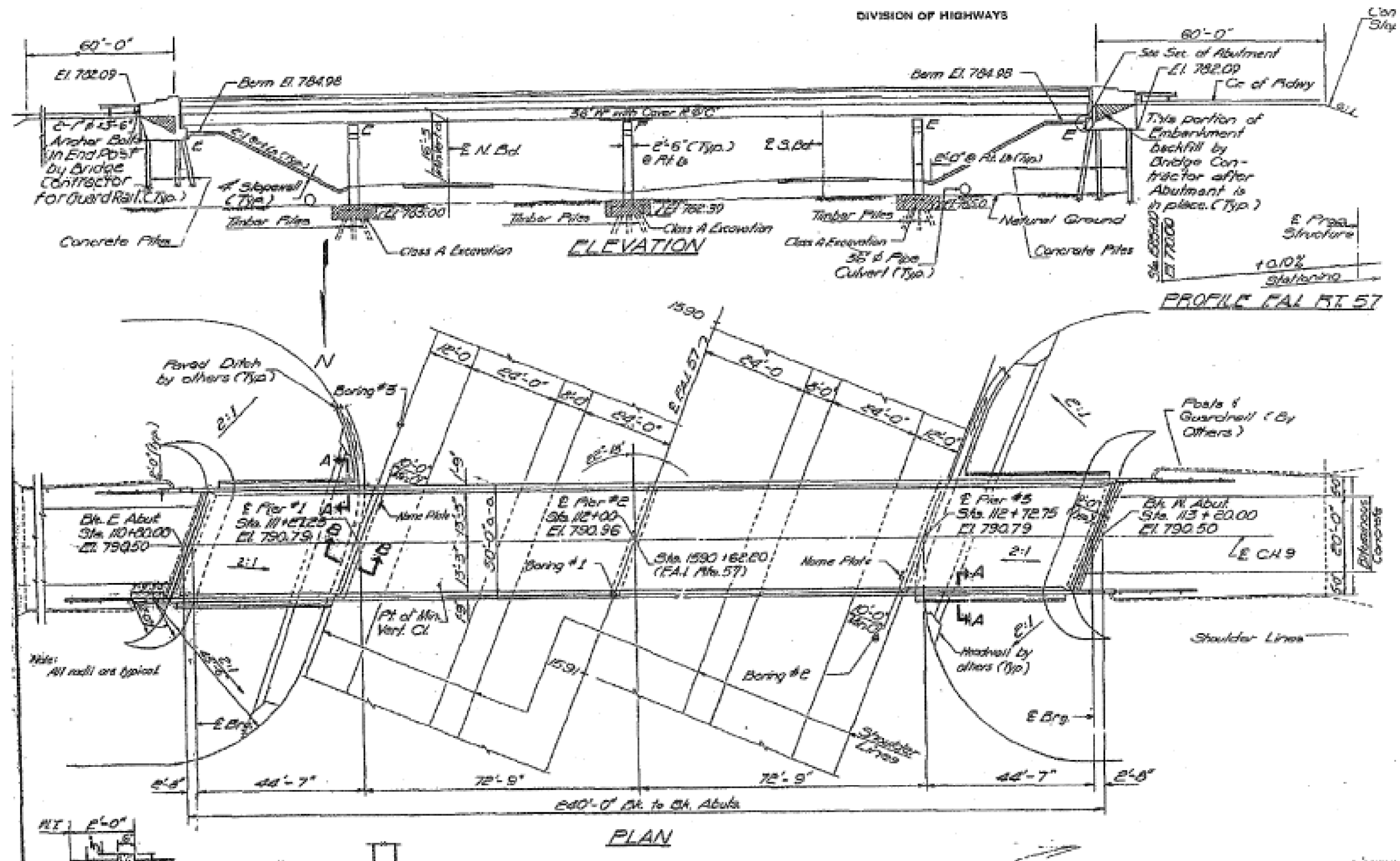
FOR INFORMATION ONLY
S.N. 010-0254



FOR INFORMATION ONLY

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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 70C29					
PLOT DATE = 8/5/2016	DATE -	REVISED -				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
				ILLINOIS FED. AID PROJECT							

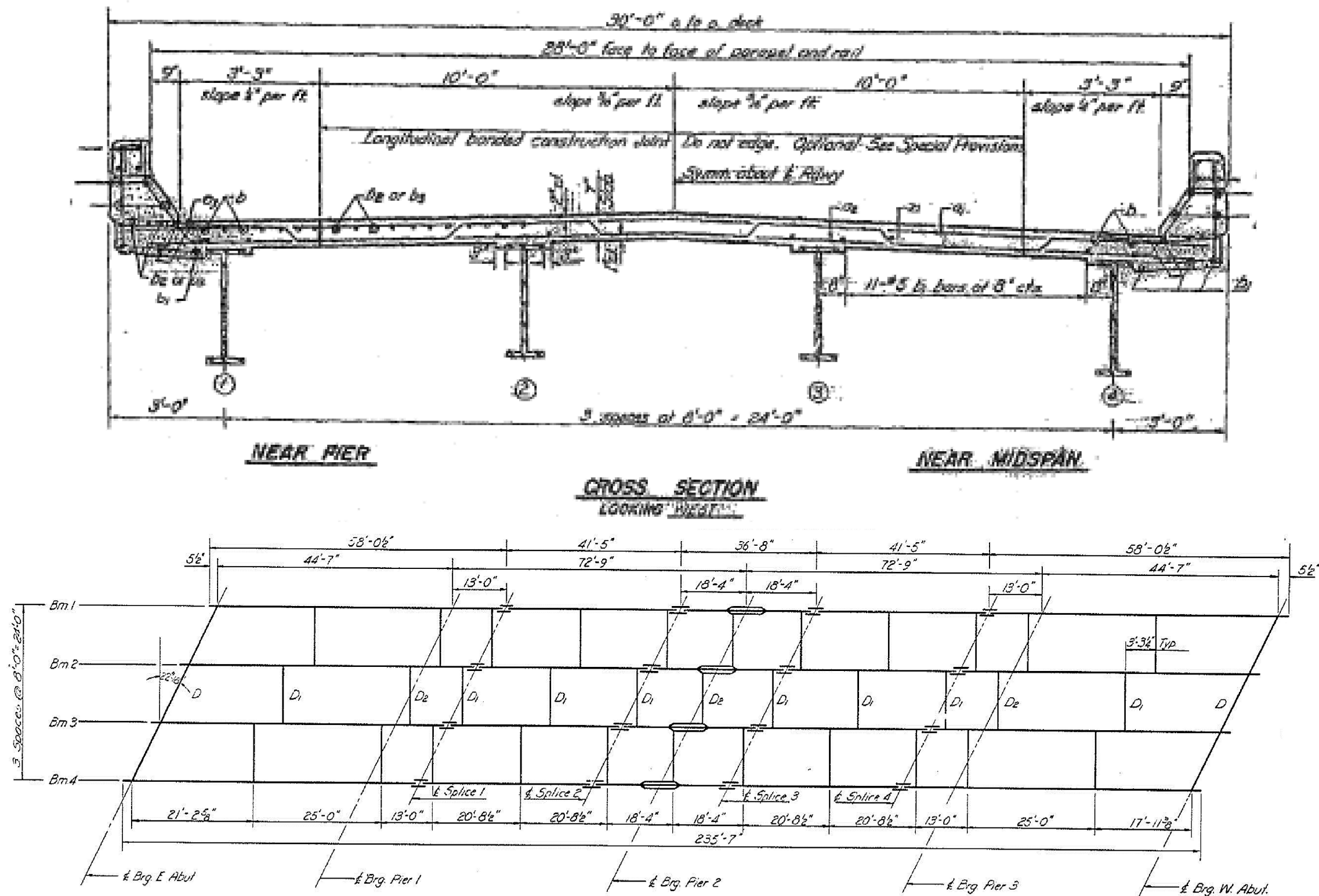
FOR INFORMATION ONLY
S.N. 010-0082



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FOR INFORMATION ONLY
S.N. 010-0082

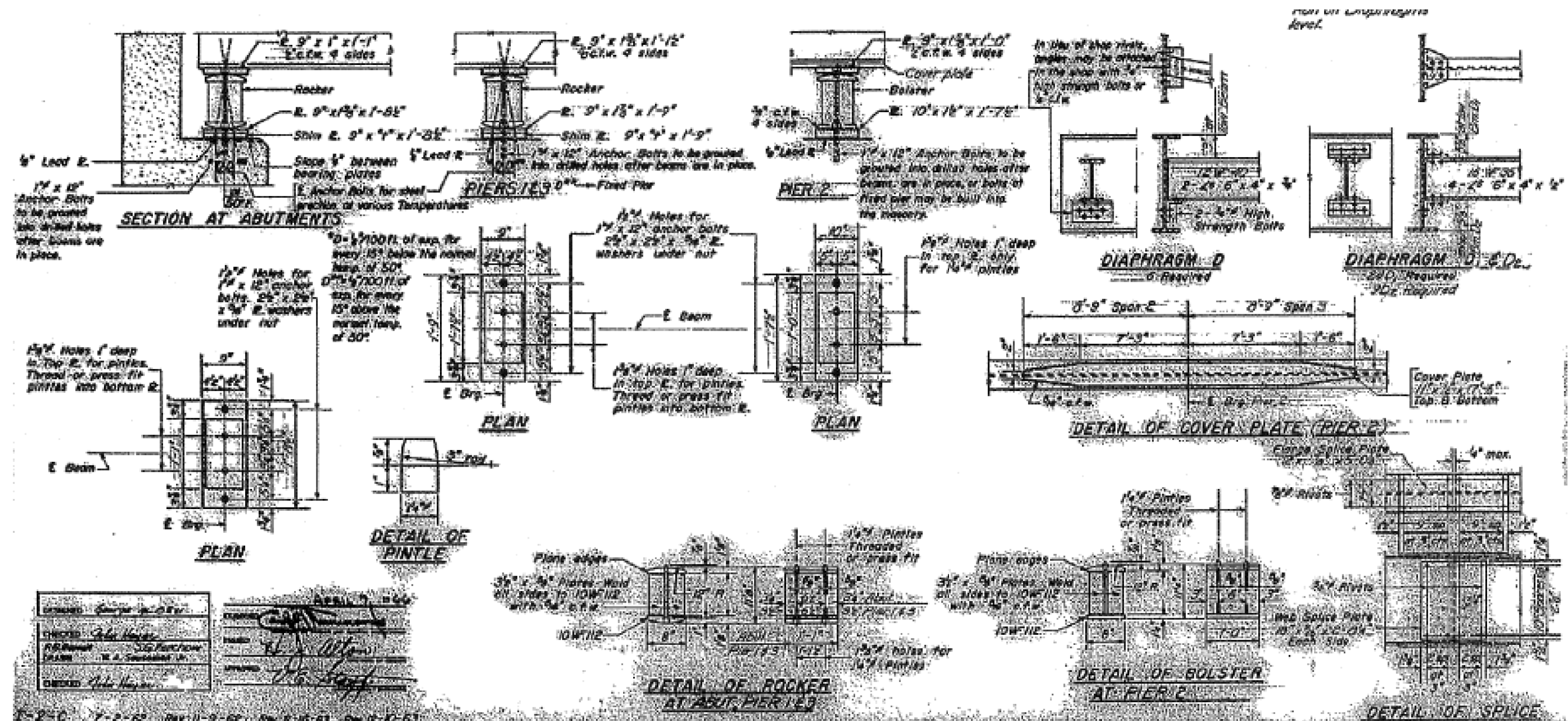


STEEL FRAMING PLAN
(All beams 36 WF 150)

FOR INFORMATION ONLY

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>LOCATION #2 STRUCTURE DETAILS</div>					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										LOCATION #2 STRUCTURE DETAILS					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
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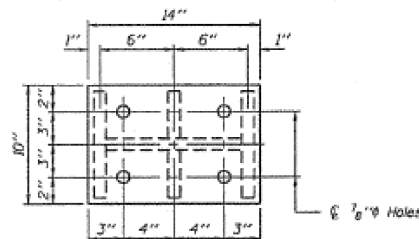
FOR INFORMATION ONLY
S.N. 010-0082

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

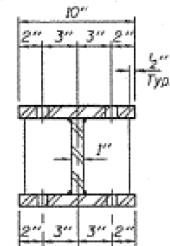
BEAM REACTIONS

RP	(K)	16.2
R _L	(K)	39.5
Imp.	(K)	11.8
R (Total)	(K)	67.5

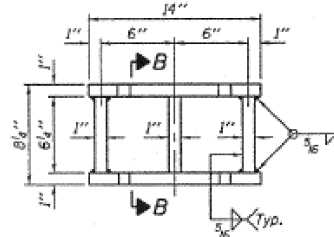
Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 35 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Drilled and set anchor bolts shall be installed according to Article 521.05 of the Standard Specifications.
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type I.
All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
Fasteners shall be high strength bolts.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.
If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.



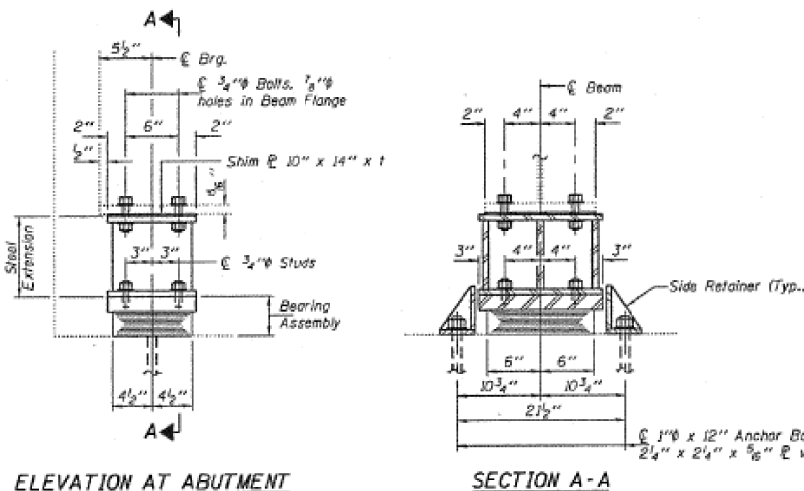
PLAN TOP AND BOTTOM PLATE



SECTION B-B



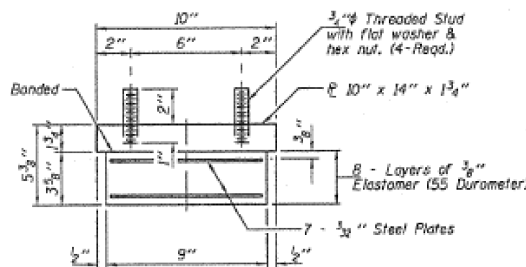
STEEL EXTENSION DETAIL



ELEVATION AT ABUTMENT

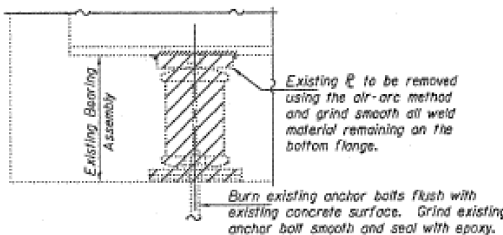
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



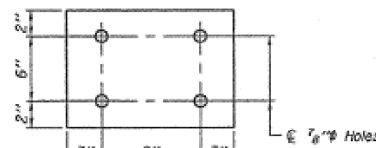
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



SHIM PLATE

10" x 14" x 1/4"
(4 Required)

SHIM PLATE THICKNESS 1

	Bm. 1	Bm. 2	Bm. 3	Bm. 4
E. Abut.	1"	3/8"	3/8"	1"
W. Abut.	—	—	3/8"	1"

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	8
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	1410
Anchor Bolts 1"	Each	16

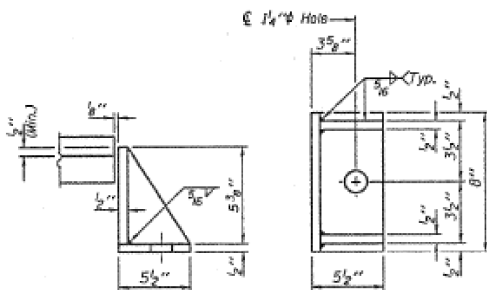
REPAIR DETAILS
CH 9 OVER I-57
SN 010-0082

SHEET NO. 1	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-37RS-2&(10,27-38)RS-1	CHAMPAIGN	41	34	
1 SHEETS					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SIGNED: [Signature]
CHECKED: [Signature]
DRAWN: [Signature]
DATE: 12-03-2008



EXPIRES 11-30-2010



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #2 STRUCTURE DETAILS

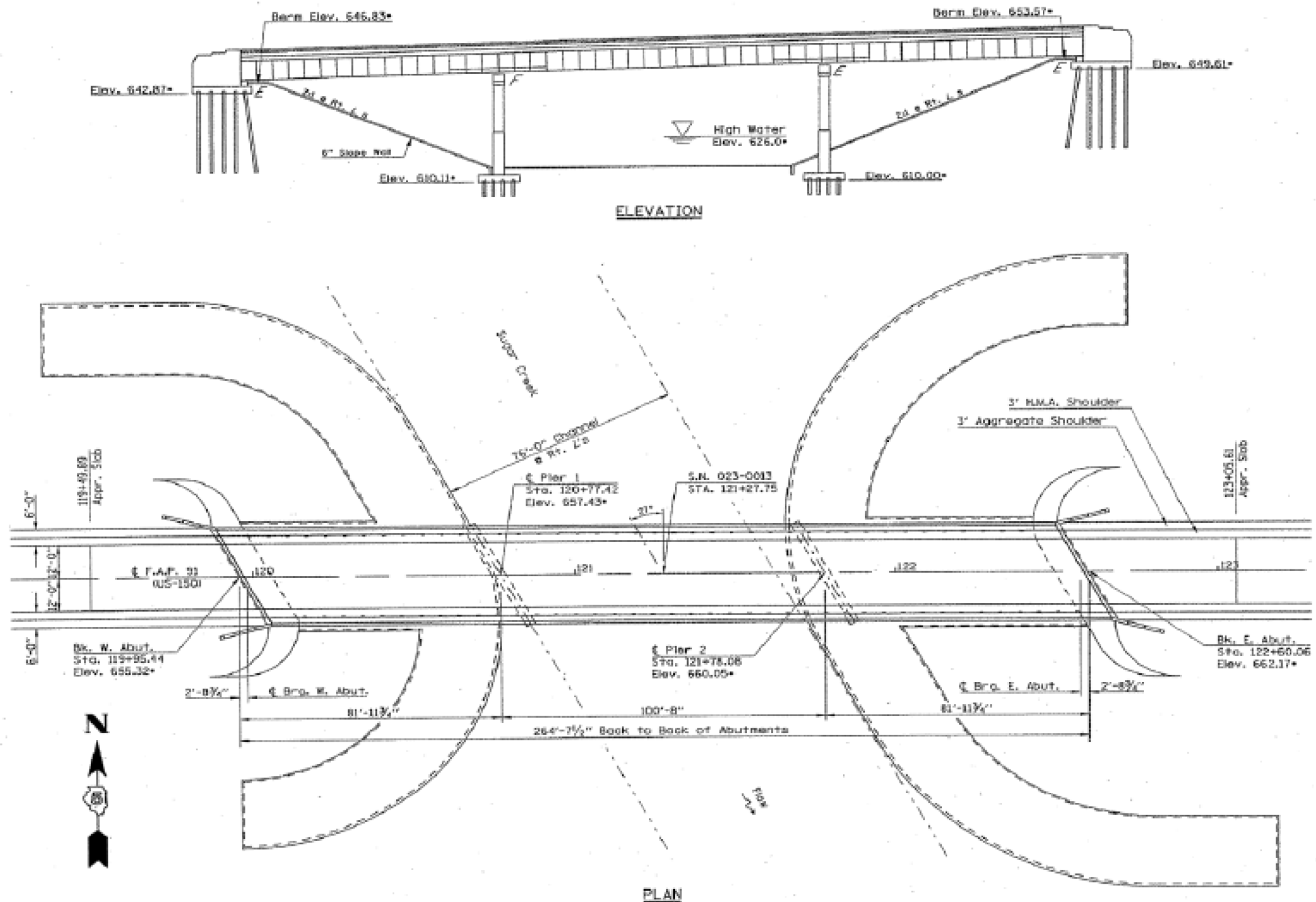
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*CHAMPAIGN & EDGAR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D5 BRIDGE PAINTING 2017-1			32	15
CONTRACT NO. 70C29				
ILLINOIS FED. AID PROJECT				

FILE NAME :	USER NAME : coombessf	DESIGNED :	REVISED :
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PLOT DATE : 8/5/2016			

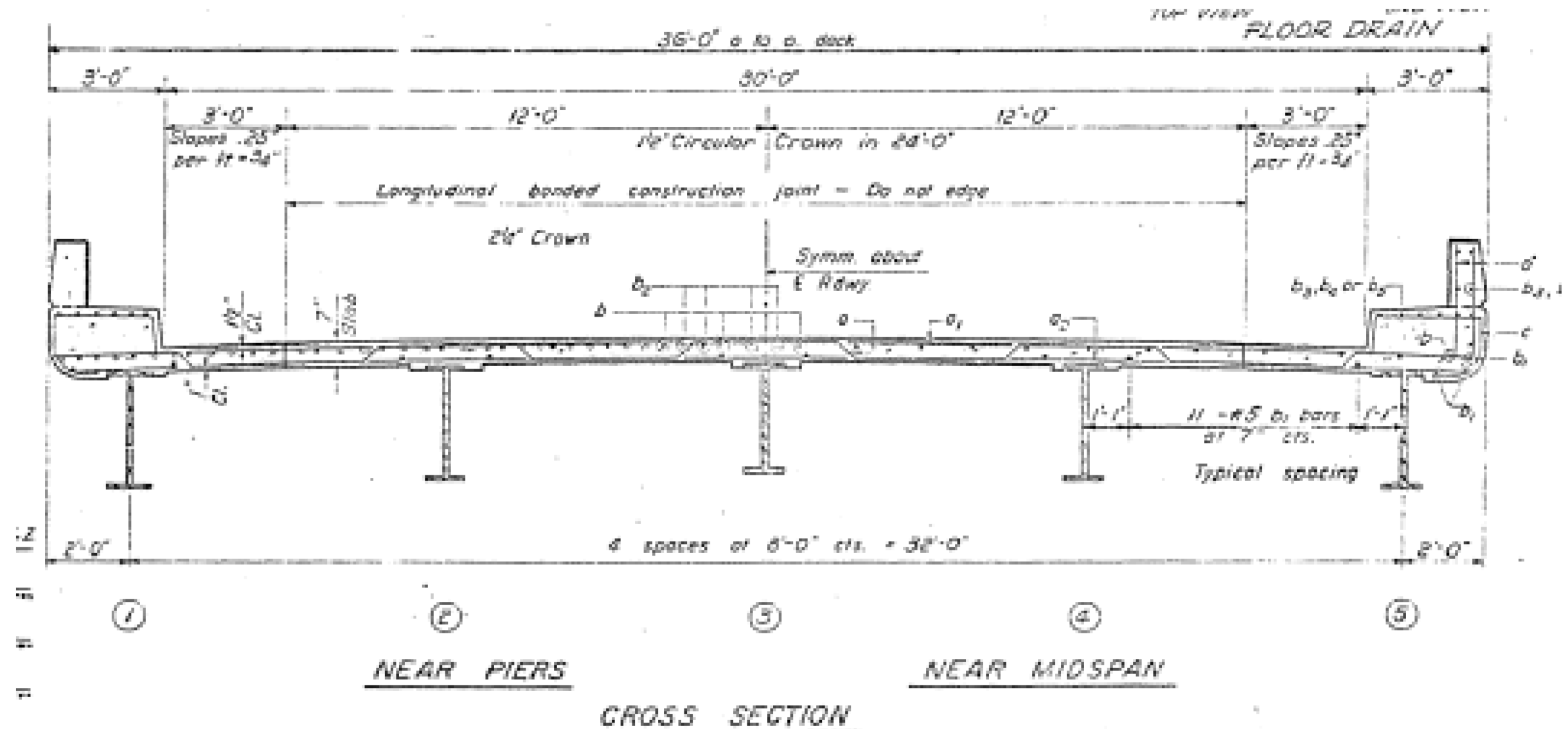
FOR INFORMATION ONLY
S.N. 023-0013



FOR INFORMATION ONLY

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FOR INFORMATION ONLY
S.N. 023-0013

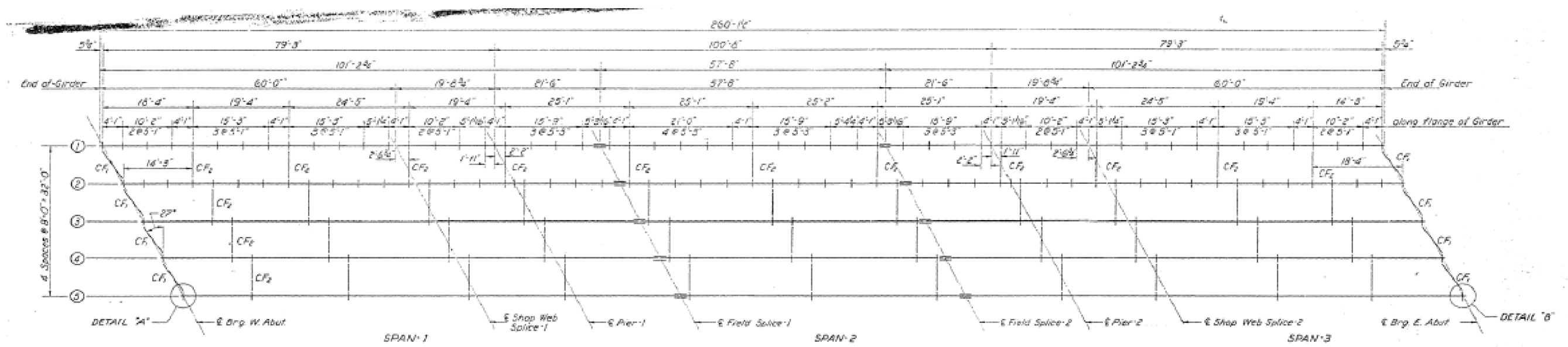


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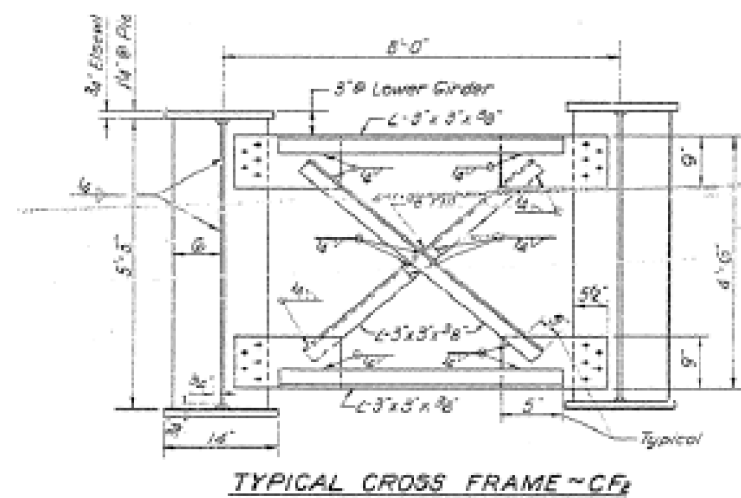
*CHAMPAIGN & EDGAR

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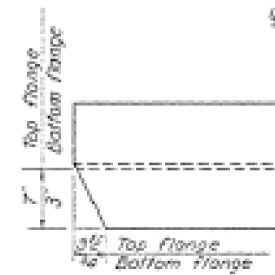
FOR INFORMATION ONLY
S.N. 023-0013



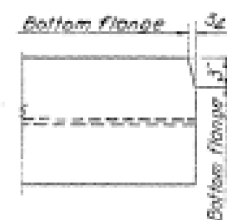
FRAMING PLAN



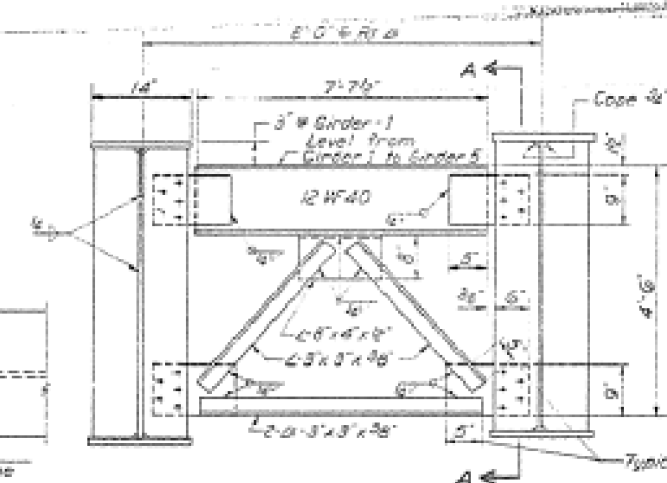
TYPICAL CROSS FRAME ~ CF2



DETAIL 'A'
(West Abutment)

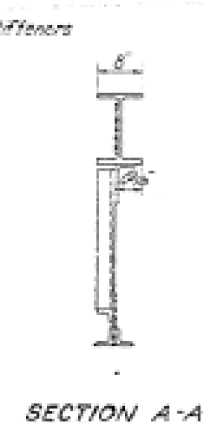


DETAIL 'B'
(East Abutment)

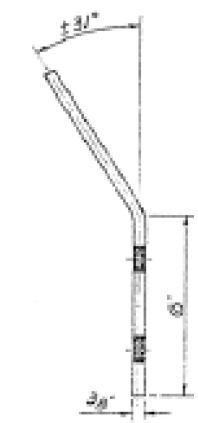


TYPICAL CROSS FRAME ~ CF1
@ E Brg. W. Abut. looking East &
E Brg. E. Abut. looking West

NOTE: 3/4" High strength bolts shall be used on all cross frames.
All frame plates are 3/8" thick.



SECTION A-A



FRAME PLATE
No. Req'd = 3.

DESIGNED	<i>J.L. Armstrong</i>
CHECKED	<i>J.L. Armstrong</i>
DRAWN	<i>J.L. Armstrong</i>
CHECKED	<i>J.L. Armstrong</i>

DESIGNED	<i>J.L. Armstrong</i>
CHECKED	<i>J.L. Armstrong</i>
DRAWN	<i>J.L. Armstrong</i>
CHECKED	<i>J.L. Armstrong</i>

FOR INFORMATION ONLY

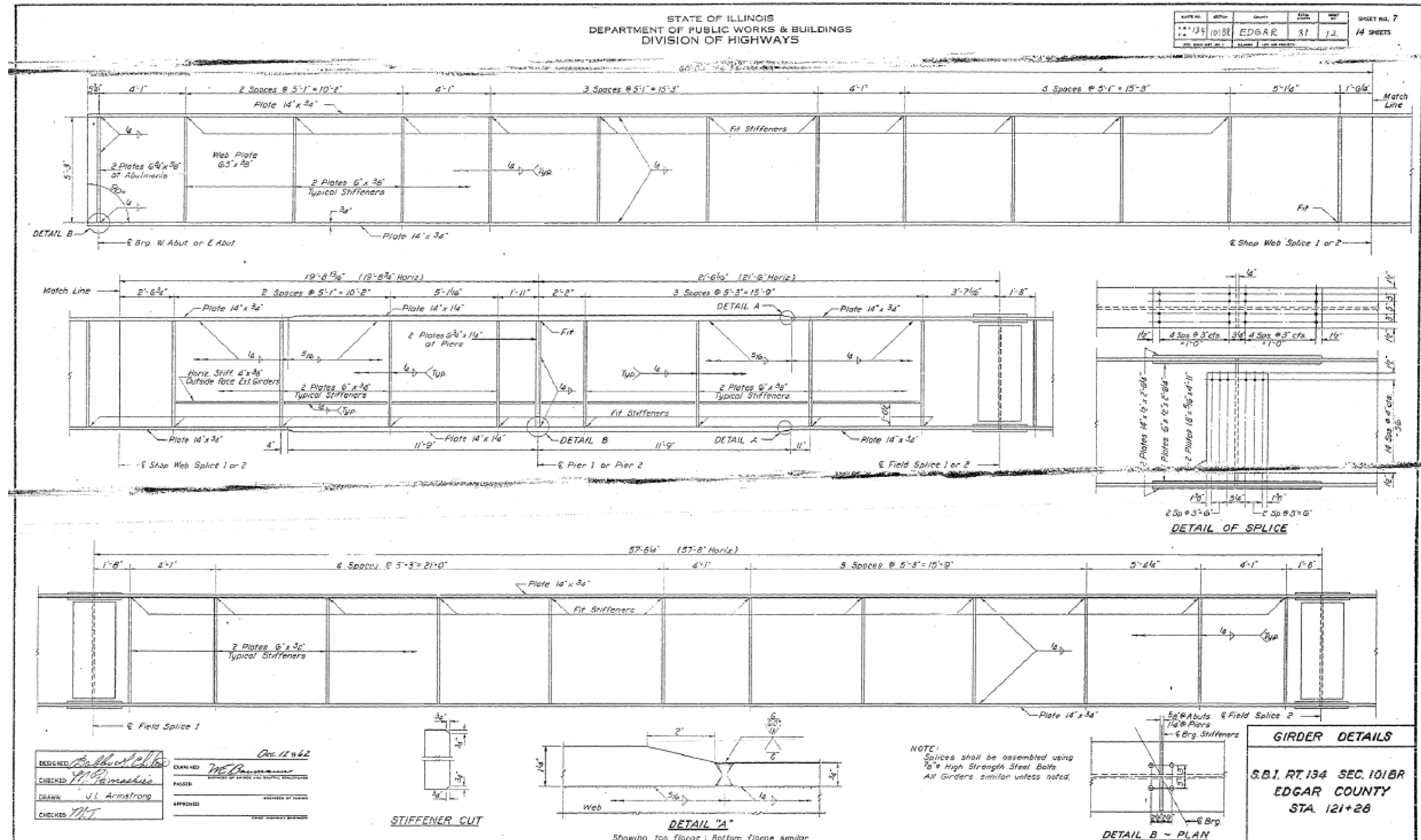
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*CHAMPAIGN & EDGAR

ILLINOIS FED. AID PROJECT

CONTRACT NO. 70C29

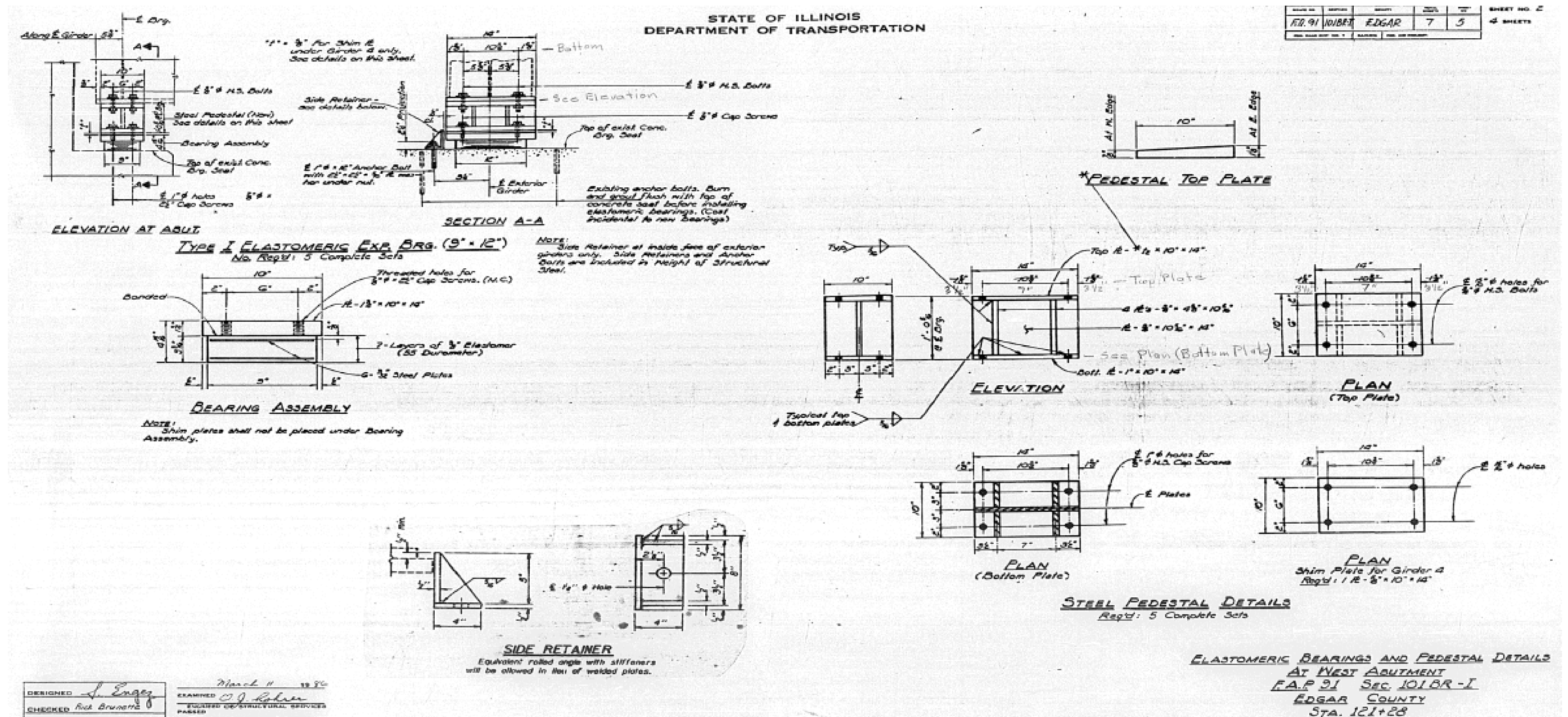
FOR INFORMATION ONLY
S.N. 023-0013



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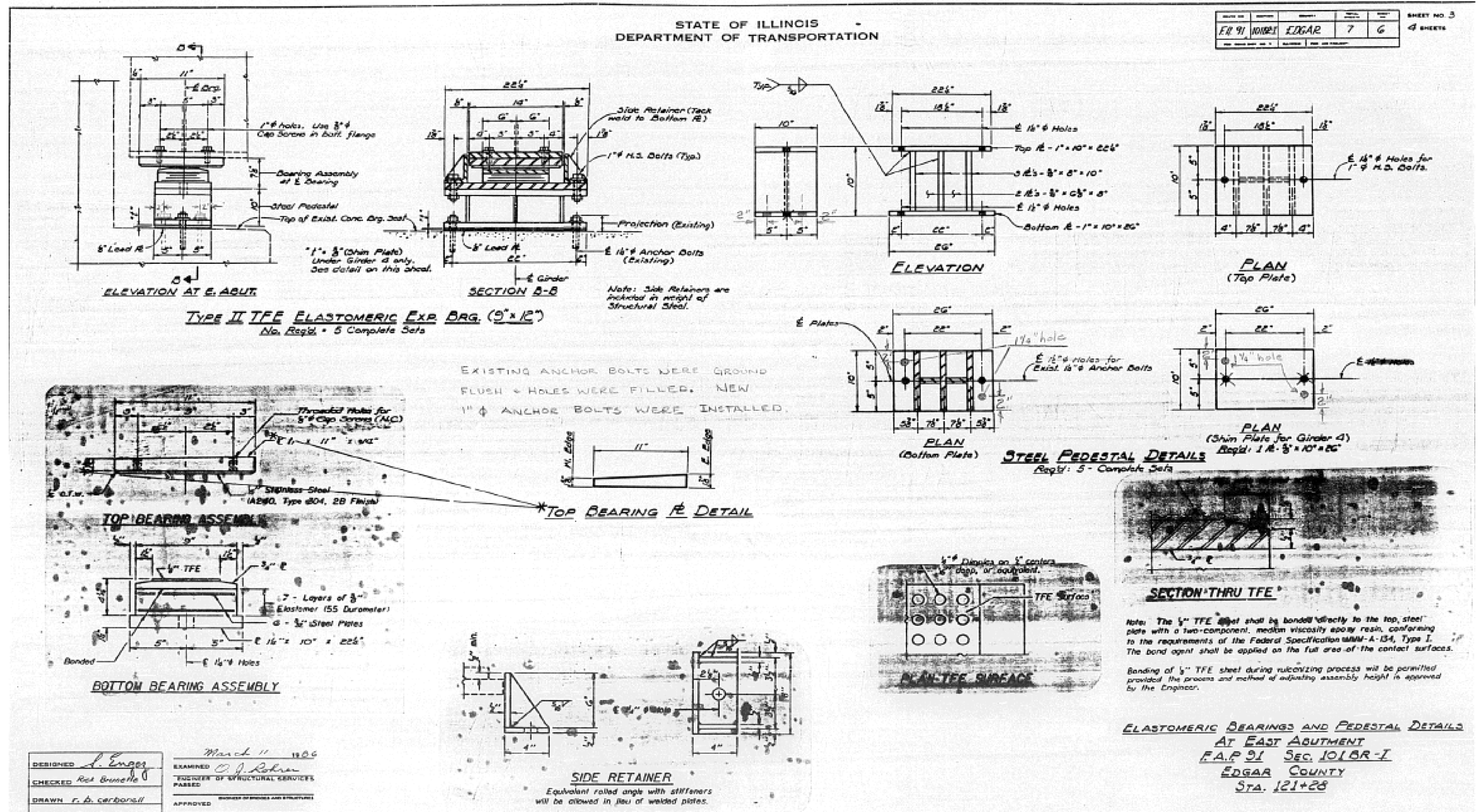
FOR INFORMATION ONLY
S.N. 023-0013



FOR INFORMATION ONLY

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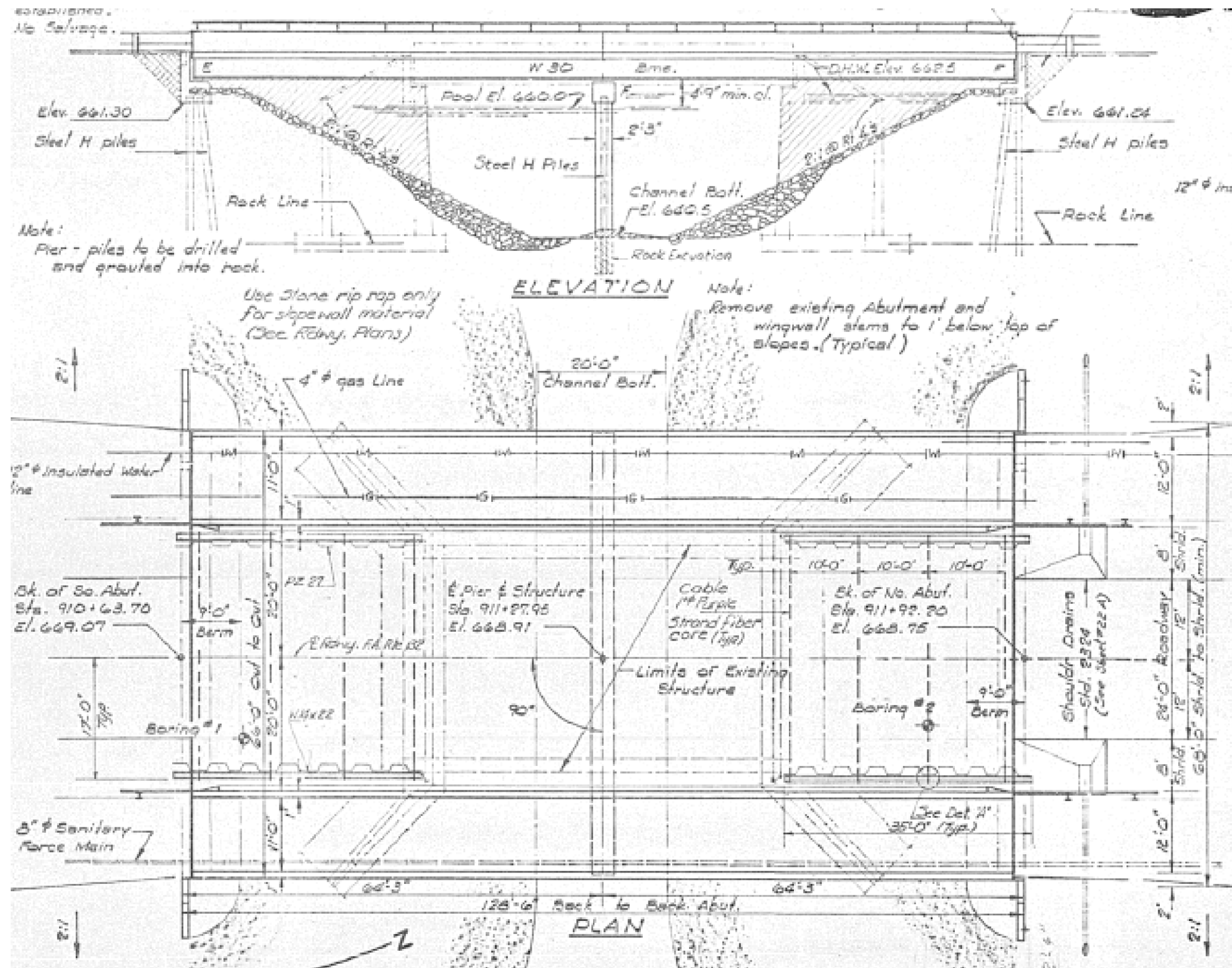
FOR INFORMATION ONLY
S.N. 023-0013



FOR INFORMATION ONLY

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				ILLINOIS FED. AID PROJECT							

FOR INFORMATION ONLY
S.N. 023-0024



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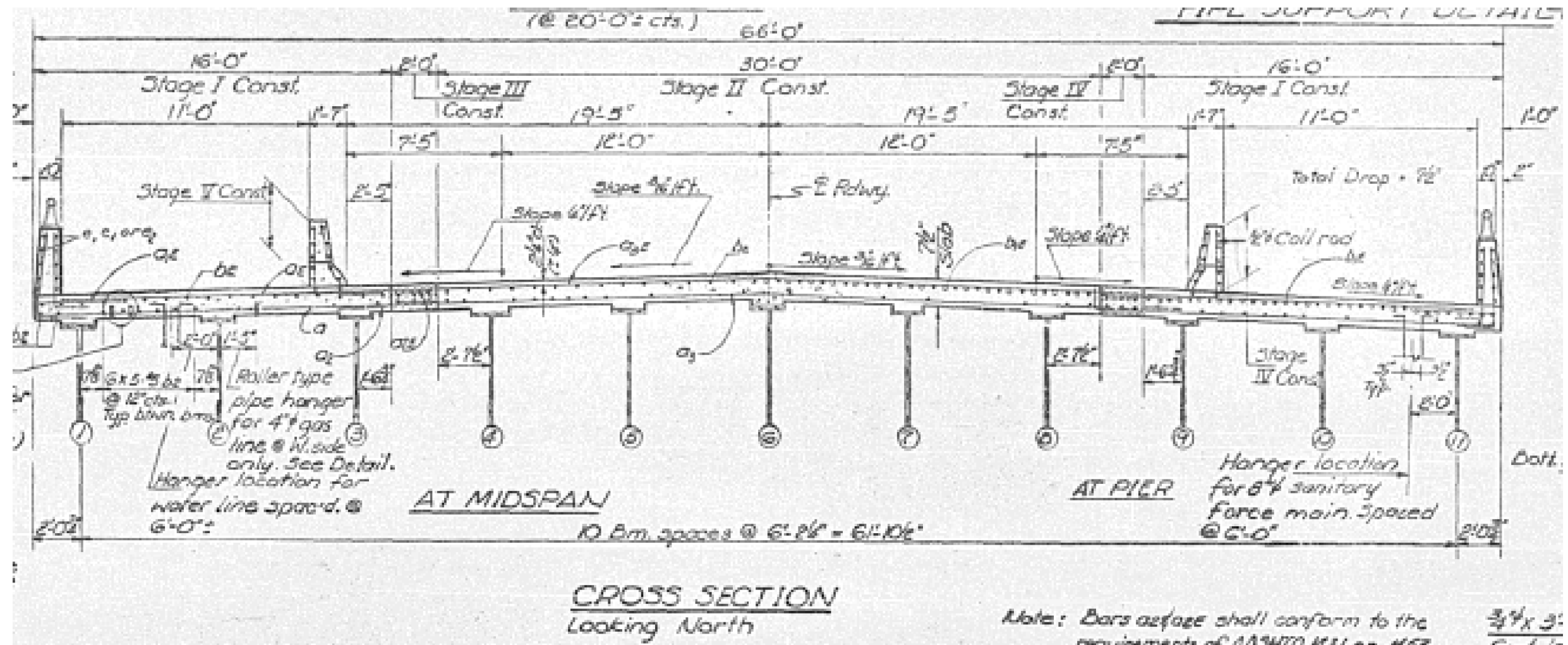
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4 STRUCTURE DETAILS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

*CHAMPAIGN & EDGAR				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D5 BRIDGE PAINTING 2017-1			32	22
CONTRACT NO. 70C29				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY
S.N. 023-0024



FOR INFORMATION ONLY

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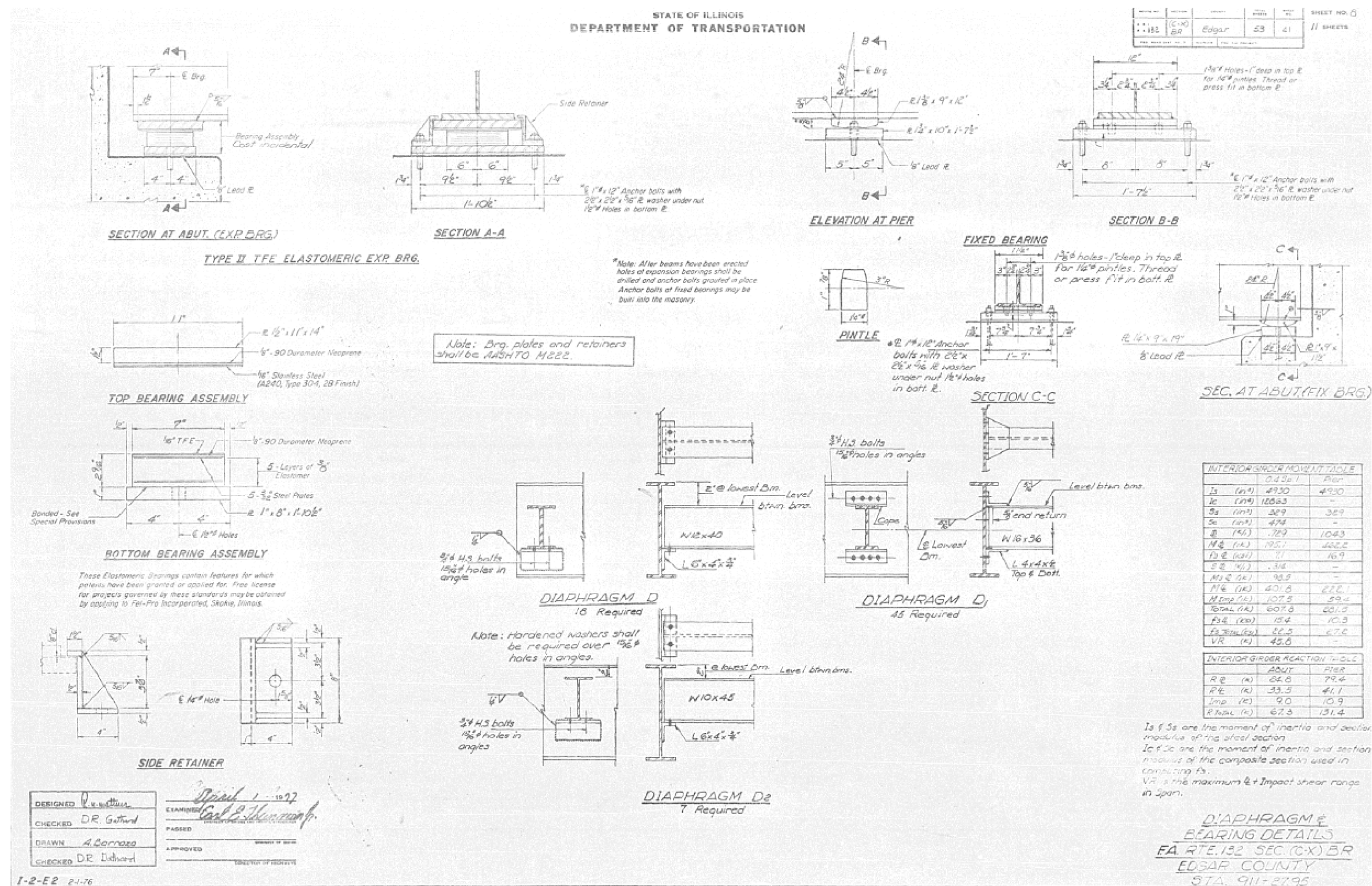
FOR INFORMATION ONLY



SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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CHAMPAIGN & EDGAR				
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ILLINOIS FED. AID PROJECT				

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S.N. 023-0024

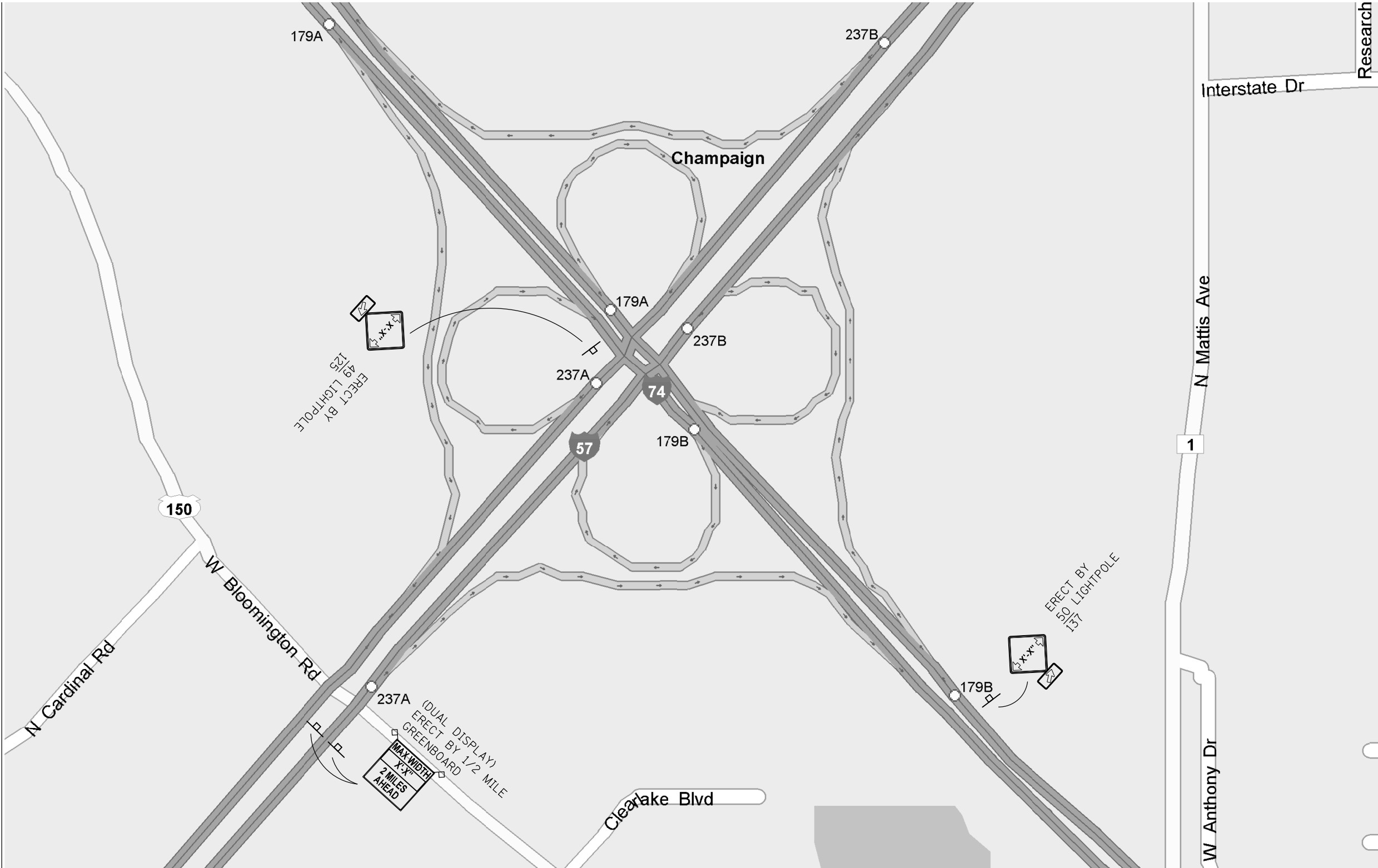


FOR INFORMATION ONLY

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									ILLINOIS	FED. AID PROJECT

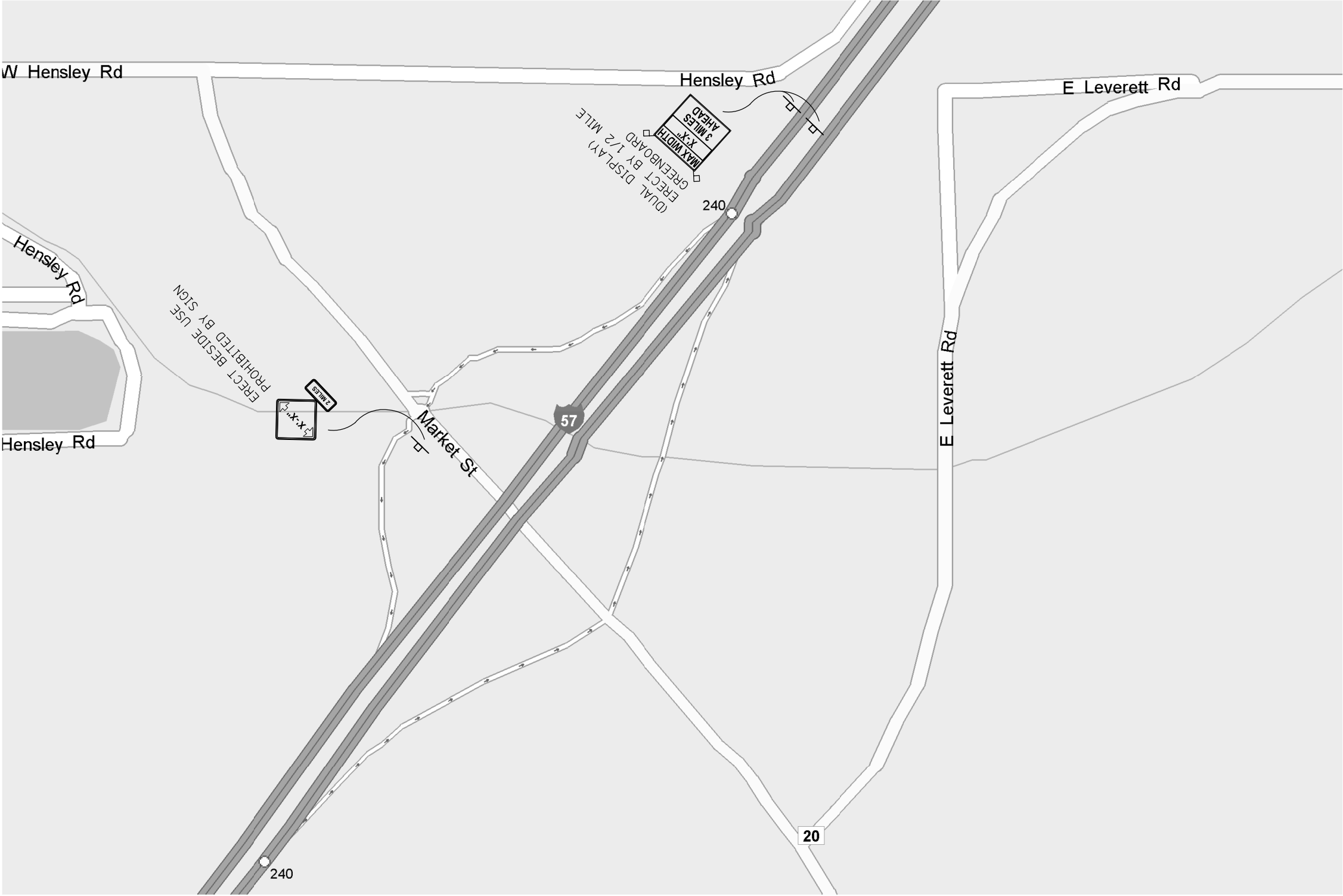
•CHAMPAIGN & EDGAR

LOCATION #1
WIDTH RESTRICTION SIGNAGE DETAILS



										•CHAMPAIGN & EDGAR																
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LOCATION #1
WIDTH RESTRICTION SIGNAGE DETAILS



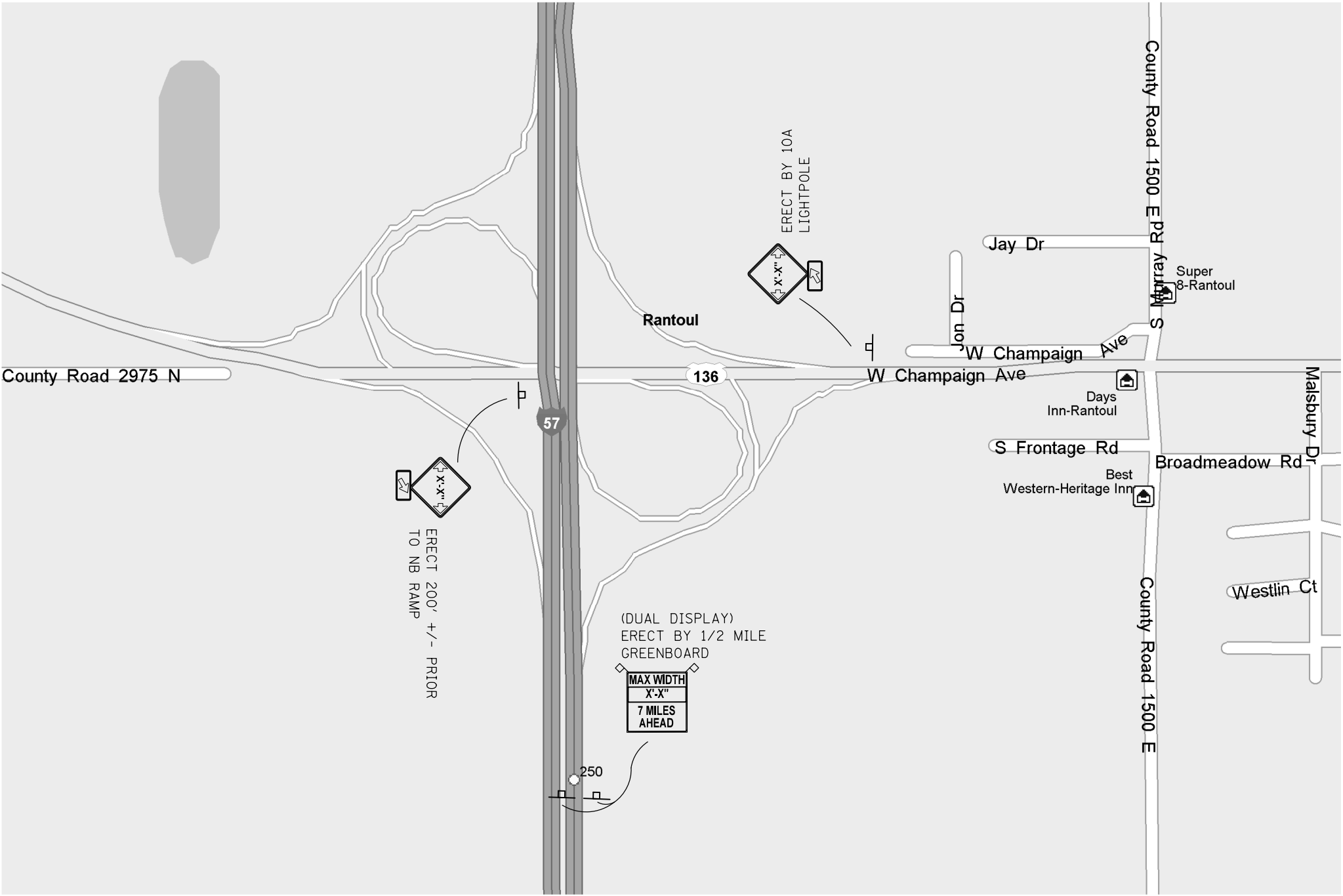
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #1 WIDTH RESTRICTION SIGNAGE DETAILS				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

•CHAMPAIGN & EDGAR					
F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 BRIDGE PAINTING 2017-1		•	32	27
			CONTRACT NO. 70C29		
		ILLINOIS FED. AID PROJECT			

LOCATION #2
WIDTH RESTRICTION SIGNAGE DETAILS



LOCATION #2
WIDTH RESTRICTION SIGNAGE DETAILS



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
p:\w\11084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 5\Projects\0570C29\Drawings\0570C29-shr-plandgn		DRAWN	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/5/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #2 WIDTH RESTRICTION SIGNAGE DETAILS				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

•CHAMPAIGN & EDGAR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D5 BRIDGE PAINTING 2017-1		•	32	29
			CONTRACT NO. 70C29	
ILLINOIS FED. AID PROJECT				

LOCATION #3
WIDTH RESTRICTION SIGNAGE DETAILS



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/5/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

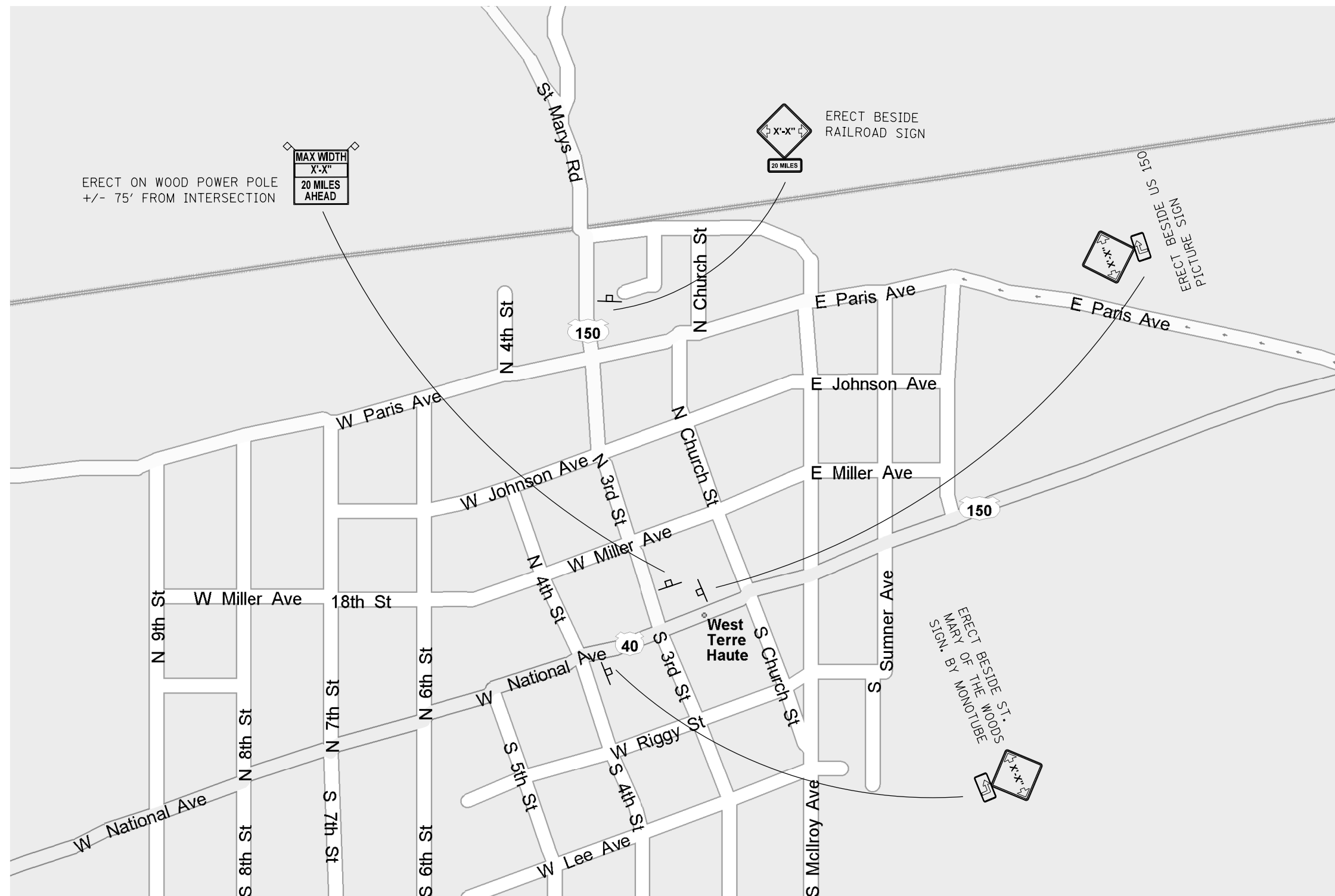
LOCATION #3 WIDTH RESTRICTION SIGNAGE DETAILS				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

•CHAMPAIGN & EDGAR

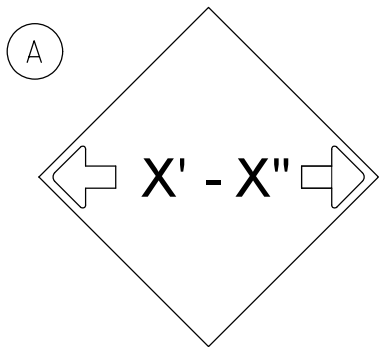
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D5 BRIDGE PAINTING 2017-1		•	32	30
			CONTRACT NO. 70C29	
ILLINOIS		FED. AID PROJECT		

LOCATION #3

WIDTH RESTRICTION SIGNAGE DETAILS



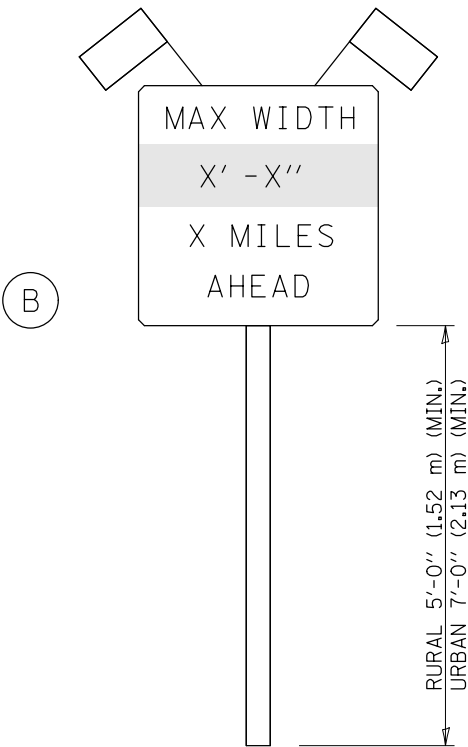
FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>LOCATION #3 WIDTH RESTRICTION SIGNAGE DETAILS</div>	DRAWING NO. 70C29				
pwt\NL084EBIDINTEGallinois.gov\PIDOT\Documents\DOT Offices\District 5\Projects\DS70C29\Drawings\Date\Design\DS70C29-shft-plan.dgn		CHECKED -	REVISED -			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / 1in.					VAR. D5 BRIDGE PAINTING 2017-1		•	32	31
	PLOT DATE = 8/5/2016	DATE	REVISED -			CONTRACT NO. 70C29				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	



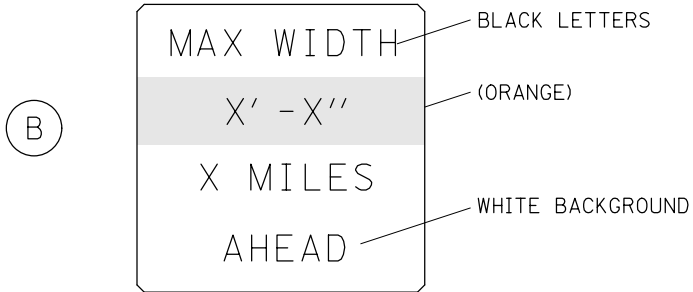
W12-2(0)-48"x48"(1200x1200)

SIGN (A) 2 SIGNS - W12-2(0)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



W12-I103(0)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (0) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

•CHAMPAIGN & EDGAR

DISTRICT 5 DETAIL NO. X7200201

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 03/11 -KJT	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIDTH RESTRICTION SIGNING				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0570C29\Drawings\0570C29-shr-plan.dgn		CHECKED -	REVISED - 05/08						VAR.	D5 BRIDGE PAINTING 2017-1	*	32	32	
		PLOT SCALE : 40.0000 ' / in.	CHECKED -		REVISED - 10/08 - KJT					CONTRACT NO. 70C29				
		PLOT DATE = 8/5/2016	DATE -		REVISED - 7/09 - KJT	SCALE:				SHEET NO.	OF	SHEETS	STA.	TO STA.
										FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		