

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	★ 69 + 8 = 77	1

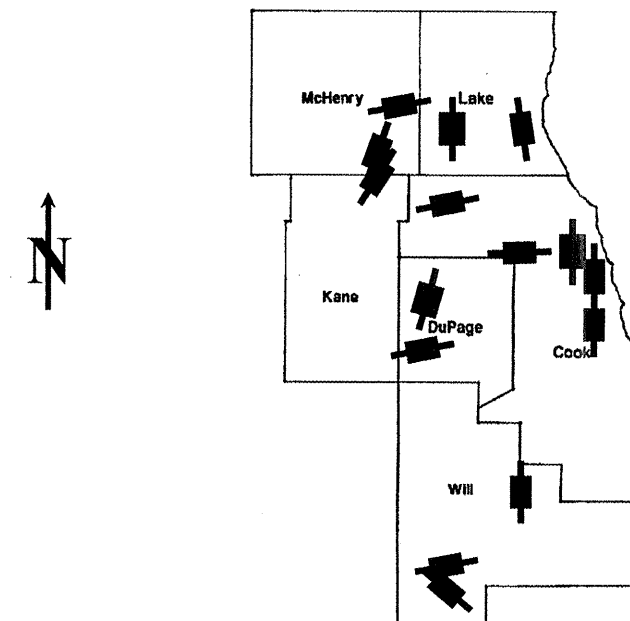
FOR INDEX OF SHEETS SEE SHEET 2

CONTRACT NO. 60F04  
D-91-566-08

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICT ONE  
PROPOSED HIGHWAY PLANS**

IMPROVEMENTS ARE LOCATED IN THE VILLAGES OF ALGONQUIN AND NEW LENOX, THE CITIES OF CHICAGO, NORTH CHICAGO, WEST CHICAGO, AND WILMINGTON, AND MCHENRY, WAUCONDA, NAPERVILLE, HANOVER, AND CUSTER TOWNSHIPS

**VARIOUS ROUTES  
VARIOUS LOCATIONS  
SECTION 2008-053 BP  
BRIDGE PAINTING  
VARIOUS COUNTIES  
C-91-566-08**



LOCATION OF IMPROVEMENT INDICATED THUS:

- LOCATION 1) SN 056-0015
- LOCATION 2) SN 056-0016
- LOCATION 3) SN 056-0049
- LOCATION 4) SN 049-0012
- LOCATION 5) SN 049-0022, -0023
- LOCATION 6) SN 022-0022
- LOCATION 7) SN 022-0038
- LOCATION 8) SN 016-0133
- LOCATION 9) SN 016-0119
- LOCATION 10) SN 016-0948
- LOCATION 11) SN 016-1137
- LOCATION 12) SN 016-2519
- LOCATION 13) SN 099-0091
- LOCATION 14) SN 099-0171
- LOCATION 15) SN 099-0203

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

SUBMITTED: Nov. 18 2008

*Don Okel*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 5, 2008  
*Eric E. Harau*  
ENGINEER OF DESIGN AND ENVIRONMENT

December 5, 2008  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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

C.U.A.N.: CHICAGO UTILITY ALERT  
NETWORK (312) 744-7000

**PROJECT ENGINEER    ROBERT BORO (847) 705-4178**  
**PROJECT MANAGER    KEN ENG**

**CONTRACT NO. 60F04**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	2

Contract 60F04

**INDEX OF SHEETS**

**STATE STANDARDS**

1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS
3	GENERAL NOTES
4-5	GENERAL PAINT NOTES
6	SUMMARY OF QUANTITIES
7-20	LOCATION MAPS
20A-20B.	<i>TRAFFIC DETOUR PLANS FOR LOCATION 11</i>
21	EXISTING BRIDGE PLANS (SN 056-0015: LOCATION 1)
22-23	EXISTING BRIDGE PLANS (SN 056-0016: LOCATION 2)
24-26	EXISTING BRIDGE PLANS (SN 056-0049: LOCATION 3)
27-28	EXISTING BRIDGE PLANS (SN 049-0012: LOCATION 4)
29-31	EXISTING BRIDGE PLANS (SN 049-0022, -0023: LOCATION 5)
32-34	EXISTING BRIDGE PLANS (SN 022-0022: LOCATION 6)
35-37	EXISTING BRIDGE PLANS (SN 022-0038: LOCATION 7)
38-40A,	EXISTING BRIDGE PLANS (SN 016-0133: LOCATION 8)
41-47A ,	EXISTING BRIDGE PLANS (SN 016-0119: LOCATION 9)
48-50	EXISTING BRIDGE PLANS (SN 016-0948: LOCATION 10)
51-53	EXISTING BRIDGE PLANS (SN 016-1137: LOCATION 11)
54-59	EXISTING BRIDGE PLANS (SN 016-2519: LOCATION 12)
60-61	EXISTING BRIDGE PLANS (SN 099-0091: LOCATION 13)
62-63	EXISTING BRIDGE PLANS (SN 099-0171: LOCATION 14)
64-65	EXISTING BRIDGE PLANS (SN 099-0203: LOCATION 15)
65A,	<i>RAMP CLOSURE DETAILS</i>
66	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
67	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
68	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOUDLER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
69	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE (TC-25)

701006 - 03	2L, 2W, OFF-ROAD OPERATION, 15' to 24" FROM PAVEMENT EDGE
701101 - 02	MULTILANE, OFF-ROAD OPERATIONS, 15' TO 24" FROM PAVEMENT EDGE
701106 - 02	MULTILANE, OFF-ROAD OPERATIONS, MORE THAN 15' FROM PAVEMENT EDGE
701301 - 03	2L, 2W, LANE CLOSURE, SHORT TIME OPERATIONS
701400 - 03	FREEWAY/EXPRESSWAY, APPROACH TO LANE CLOSURE
701401 - 05	FREEWAY/EXPRESSWAY, LANE CLOSURE
701411 - 05	MULTILANE, LANE CLOSURE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
701426 - 03	MULTILANE, LANE CLOSURE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≥ 45 MPH
701446 - 01	FREEWAY/EXPRESSWAY, TWO LANE CLOSURE
701601 - 06	MULTILANE, LANE CLOSURE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701606 - 06	MULTILANE, URBAN LANE CLOSURE, 2W WITH MOUNTABLE MEDIAN
701801 - 04	MULTILANE, LANE CLOSURE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901 - 01	TRAFFIC CONTROL DEVICES

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS  
STATE STANDARDS

Rev.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	3

CONTRACT NO. 60F04

**GENERAL NOTES**

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

BEFORE STARTING ANY EXCAVATION IN THE CITY OF CHICAGO, THE CONTRACTOR SHALL CALL "C.U.A.N." AT (312) 744-7000 OR FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITIES OF CHICAGO, NORTH CHICAGO, WEST CHICAGO, AND THE VILLAGES OF ALGONQUIN AND NEW LENOX.

WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS & CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION & ORDERING OF MATERIALS.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 (FOR ARTERIALS) OR (847)705-4151 (FOR EXPRESSWAYS). A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE "ADVANCED WARNING SIGN DETAIL FOR ARTERIAL TRAFFIC" LOCATED IN THE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING FOR LANE CLOSURES" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS.

SEE ADDITIONAL UPRR GENERAL NOTES IN SPECIAL PROVISIONS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND PRESERVE THE EXISTING BRIDGE LIGHTING AT ANY LOCATIONS THAT LIGHTING IS ENCOUNTERED ADJACENT TO AN AREA TO BE CLEANED AND PAINTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	COOK	69	4

Contract 60F04

**GENERAL NOTES FOR PAINT**

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".

A MINIMUM OF FOUR (4) AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS PER LOCATIONS 3 (SN 056-0049), 4 (SN 049-0012), 6 (SN 022-0022), 8 (SN 016-0133), 9 (SN 016-0119), 11 (SN 016-1137) AND 12 (SN 016-2519) AND TWO (2) AIR MONITORS PER LOCATIONS 5 (SN 049-0022,-0023), 7 (SN 022-0038), 10 (SN 016-0948), 13 (SN 099-0091), 14 (SN 099-0171), AND 15 (SN 099-0203). SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUE."

AT LOCATIONS 1 (SN 056-0015) AND 2 (SN 056-0016) CONTAINMENT OF CLEANING RESIDUE IS REQUIRED TO CONTROL NUISANCE DUST. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES".

THE SSPC-QP1 AND SSPC-QP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED FOR THESE BRIDGES.

THE AREAS DESIGNATED TO BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. LOCATIONS 1 (SN 056-0015) & 13 (SN 099-0091): THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL MATCH THE FEDERAL COLOR STANDARD 595a 20045. ALL OTHER LOCATIONS: THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES, AND THE STEEL COLUMNS & PIERS AT LOCATION 12, SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.

ALL ITEMS (SUCH AS, BUT NOT LIMITED TO; CONDUITS, BRACKETS AND DECK DRAINS) ATTACHED TO THE OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.

LOCATIONS 2 (SN 056-0016), 3 (SN 056-0049), 4 (SN 049-0012), 5 (SN 049-0022,-0023), 6 (SN 022-0022), 10 (SN 016-0984), 14 (SN 099-0171) AND 15 (SN 099-0203)

ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL WITHIN FIVE (5) FT., (MEASURED ALONG THE BEAM) OF EITHER SIDE OF THE DECK JOINTS, SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THE EXTERIOR SURFACES AND TOP AND BOTTOM OF THE BOTTOM FLANGE OF THE FASCIA BEAMS (SEE FIGURE 1) SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

LOCATION 7 (SN 022-0038)

ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL WITHIN FIVE (5) FT., (MEASURED ALONG THE BEAM) OF EITHER SIDE OF THE DECK JOINTS, SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THE TOP AND BOTTOM OF THE BOTTOM FLANGE OF ALL BEAMS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

LOCATIONS 1 (SN 056-0015) AND 13 (SN 099-0091)

ALL BEARINGS AND OTHER STRUCTURAL STEEL WITHIN FIVE (5) FT., (MEASURED ALONG THE BEAM) OF EITHER SIDE OF THE DECK JOINTS, SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

LOCATION 11 (SN 016-1137)

ONLY THE EXTERIOR SURFACES AND TOP AND BOTTOM OF THE BOTTOM FLANGE OF THE FASCIA BEAMS (SEE FIGURE 1) SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

SHEET 1 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PAINT NOTES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	COOK	69	5

Contract 60F04

**GENERAL NOTES FOR PAINT**

LOCATION 9 (SN 016-0119)

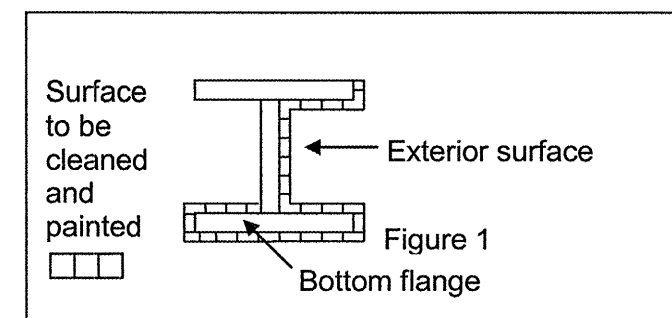
ALL BEARINGS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THE EXTERIOR SURFACES OF THE FACIA BEAMS, INCLUDING STEEL SIDEWALK BRACKETS (WHICH INCLUDES BOTTOM OF SIDEWALK PLATE, OUTSIDE FACE OF DIAPHRAGM ON TOP OF FACIA GIRDER, AND ALL SURFACES OF FLOOR BEAMS EXTENDING PAST THE DIAPHRAGM), BEARING RISERS, TOP AND BOTTOM OF THE BOTTOM FLANGE OF THE FACIA BEAMS (SEE FIGURE 1), THE TOP AND BOTTOM OF THE BOTTOM FLANGE OF ALL INTERIOR BEAMS AND ALL LOWER HORIZONTAL BRACING SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. DO NOT CLEAN OR PAINT THE BEARING SUPPORT GRILLAGES.

LOCATION 12 (SN 016-2519)

ALL BEAMS, BEARINGS, AND OTHER STRUCTURAL STEEL WITHIN FIVE (5) FT., (MEASURED ALONG THE BEAM) OF EITHER SIDE OF ALL JOINTS, SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THE EXTERIOR SURFACES AND TOP AND BOTTOM OF THE BOTTOM FLANGE OF THE FACIA BEAMS (SEE FIGURE 1), AND ALL STEEL COLUMNS, STEEL PIERS, AND CROSS GIRDERS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

LOCATION 8 (SN 016-0133)

ALL GIRDER AND STRINGER ENDS, DIAPHRAGMS, CROSS FRAMES, BRACING, AND STIFFENERS WITHIN TEN (10) FT., (MEASURED ALONG THE BEAM) OF EITHER SIDE OF PIER 16 (INCLUDING CROSS GIRDER G-5) AND PIER 18 (INCLUDING CROSS GIRDER G-7), SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.



**FASCIA BEAM PAINTING DETAIL**

**FIGURE 1**

SHEET 2 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PAINT NOTES

<b>ROUTE</b>	<b>SECTION</b>	<b>COUNTY</b>	<b>TOTAL SHEETS</b>	<b>SHEET NUMBER</b>
VARIOUS	2008-053 BP	VARIOUS	69	6

CONTRACT NO. 60F04

100% STATE

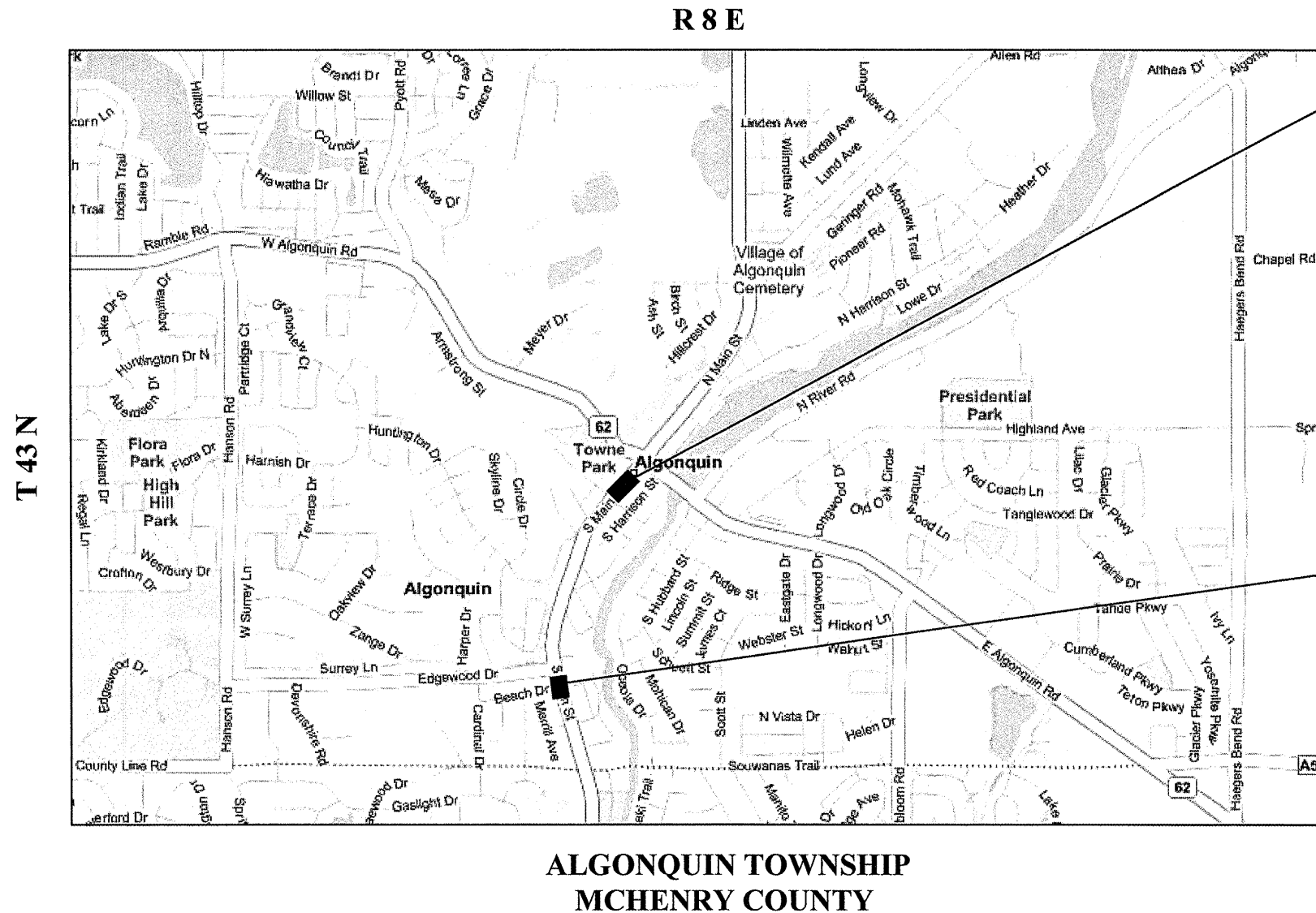
**SUMMARY OF QUANTITIES**

Code No.	Description	Unit	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: SFTY - 2A															
				MCHENRY COUNTY			LAKE COUNTY		DU PAGE COUNTY		COOK COUNTY					WILL COUNTY			
				LOCATION 1 SN 056-0015	LOCATION 2 SN 056-0016	LOCATION 3 SN 056-0049	LOCATION 4 SN 049-0012	LOCATION 5 SN 049-0022   SN 049-0023	LOCATION 6 SN 022-0022	LOCATION 7 SN 022-0038	LOCATION 8 SN 016-0133	LOCATION 9 SN 016-0119	LOCATION 10 SN 016-0948	LOCATION 11 SN 016-1137	LOCATION 12 SN 016-2519	LOCATION 13 SN 099-0091	LOCATION 14 SN 099-0171	LOCATION 15 SN 099-0203	
50600600	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1															
50600700	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1		1														
50600800	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1			1													
50600900	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1				1												
50601000	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1					1											
50601100	CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1						1										
50601200	CLEANING AND PAINTING STEEL BRIDGE NO. 7	L SUM	1							1									
50601300	CLEANING AND PAINTING STEEL BRIDGE NO. 8	L SUM	1								1								
50601400	CLEANING AND PAINTING STEEL BRIDGE NO. 9	L SUM	1									1							
50601500	CLEANING AND PAINTING STEEL BRIDGE NO. 10	L SUM	1										1						
50601600	CLEANING AND PAINTING STEEL BRIDGE NO. 11	L SUM	1											1					
50601700	CLEANING AND PAINTING STEEL BRIDGE NO. 12	L SUM	1												1				
50601800	CLEANING AND PAINTING STEEL BRIDGE NO. 13	L SUM	1													1			
50601900	CLEANING AND PAINTING STEEL BRIDGE NO. 14	L SUM	1														1		
50602000	CLEANING AND PAINTING STEEL BRIDGE NO. 15	L SUM	1															1	
50602100	CLEANING AND PAINTING STEEL BRIDGE NO. 16	L SUM	1																1
50606400	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1			0.06	0.02	0.03	0.03	0.03	0.06	0.17	0.37	0.02	0.03	0.10	0.02	0.03	0.03
50606600	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES	L SUM	1	0.50	0.50														
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	31	1.0	1.4	1.7	1.5	0.9	0.9	1.5	2.5	4.0	3.8	1.5	2.3	2.9	1.0	1.5	2.6
67100100	MOBILIZATION	L SUM	1	0.01	0.01	0.06	0.02	0.02	0.03	0.03	0.06	0.17	0.37	0.02	0.03	0.10	0.01	0.03	0.03
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1															1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1				0.69										0.31		
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.07	0.09	0.11	0.11	0.06	0.06	0.11		0.28		0.11					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1							0.34						0.66			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.10	0.13	0.15					0.24	0.38							
X0322 467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SO FT	504	48	48	48	48	24	24	48		48		48		24	48	48	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1										0.33		0.20	0.25			0.22
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1				0.20				0.20		0.20	0.20	0.20				
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1											1					

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**  
 Rev.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	7

CONTRACT NO. 60F04



**LOCATION 1:**  
 SN 056-0015  
 IL 31 OVER CRYSTAL LAKE  
 OVERFLOW  
 VILLAGE OF ALGONQUIN

**LOCATION 2:**  
 SN 056-0016  
 IL 31 OVER EDGEWOOD RAVINE  
 VILLAGE OF ALGONQUIN



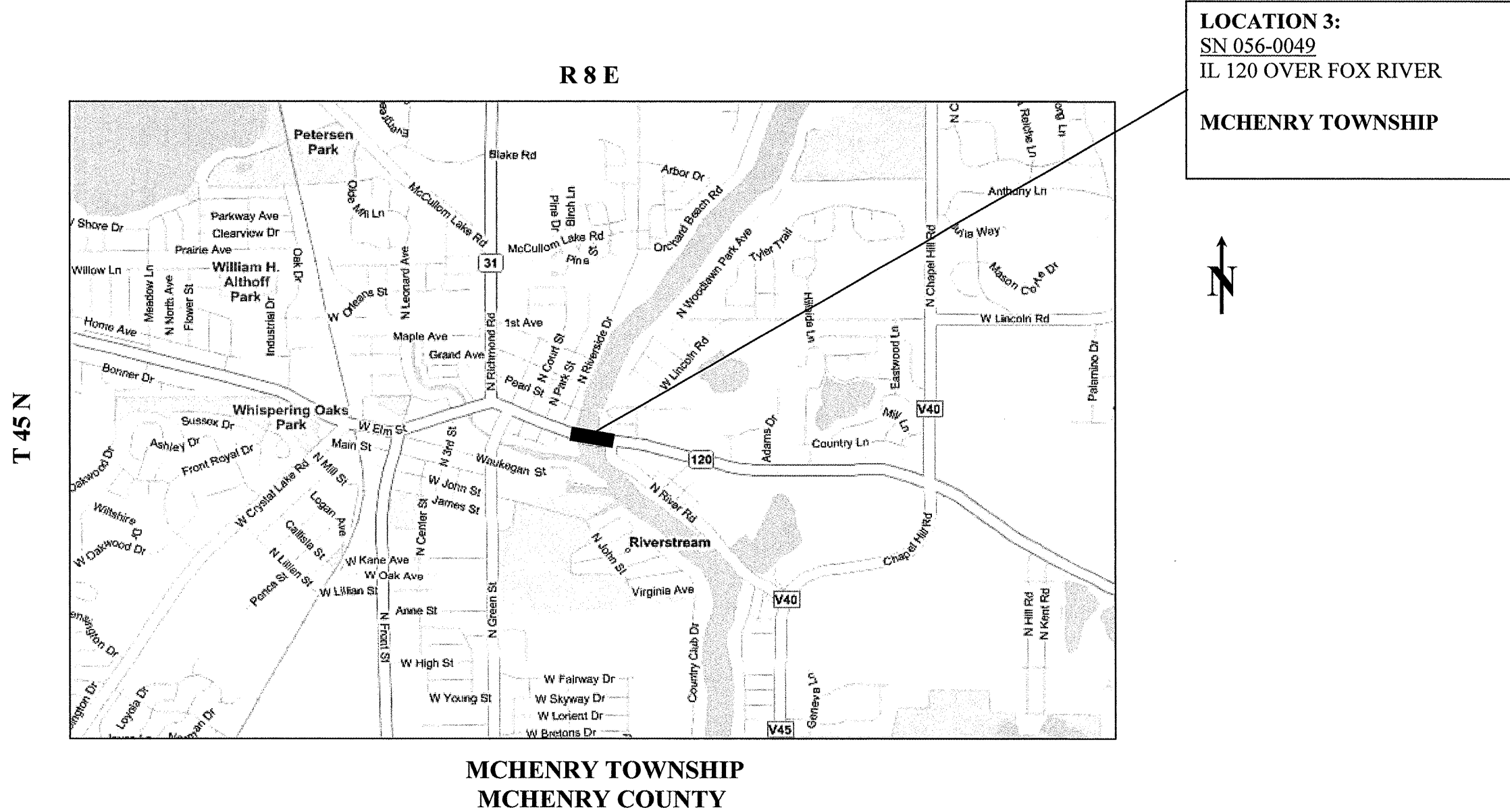
**ALGONQUIN TOWNSHIP  
 MCHENRY COUNTY**

**TRAFFIC DATA: IL 31**  
 2007 ADT = 17,300  
 POSTED SPEED LIMIT = 45 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION MAPS**  
 LOCATION 1: IL 31 OVER CRYSTAL LAKE OVERFLOW  
 LOCATION 2: IL 31 OVER EDGEWOOD RAVINE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	8

CONTRACT NO. 60F04



**LOCATION 3:**  
 SN 056-0049  
 IL 120 OVER FOX RIVER  
 MCHENRY TOWNSHIP



T 45 N

<b>TRAFFIC DATA: IL 120</b>	
2007 ADT	= 20,600
POSTED SPEED LIMIT	= 30 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION

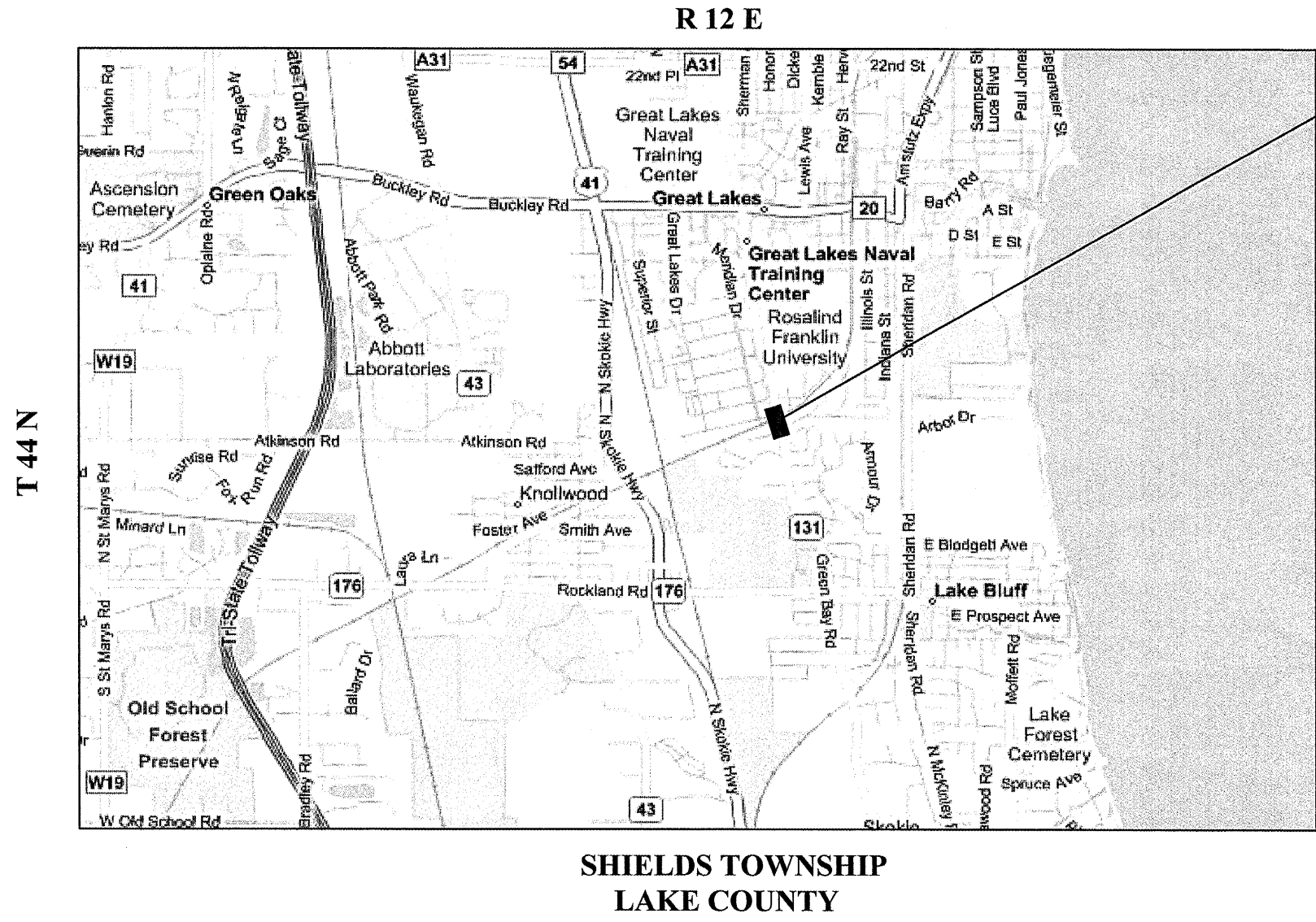
**LOCATION MAPS**

LOCATION 3: IL 120 OVER FOX RIVER



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	9

CONTRACT NO. 60F04



**LOCATION 4:**  
SN 049-0012  
 IL 131 OVER EJ&E RR  
**CITY OF NORTH CHICAGO**



**TRAFFIC DATA: IL 131**

2007 ADT = 11,800  
 POSTED SPEED LIMIT = 40 MPH

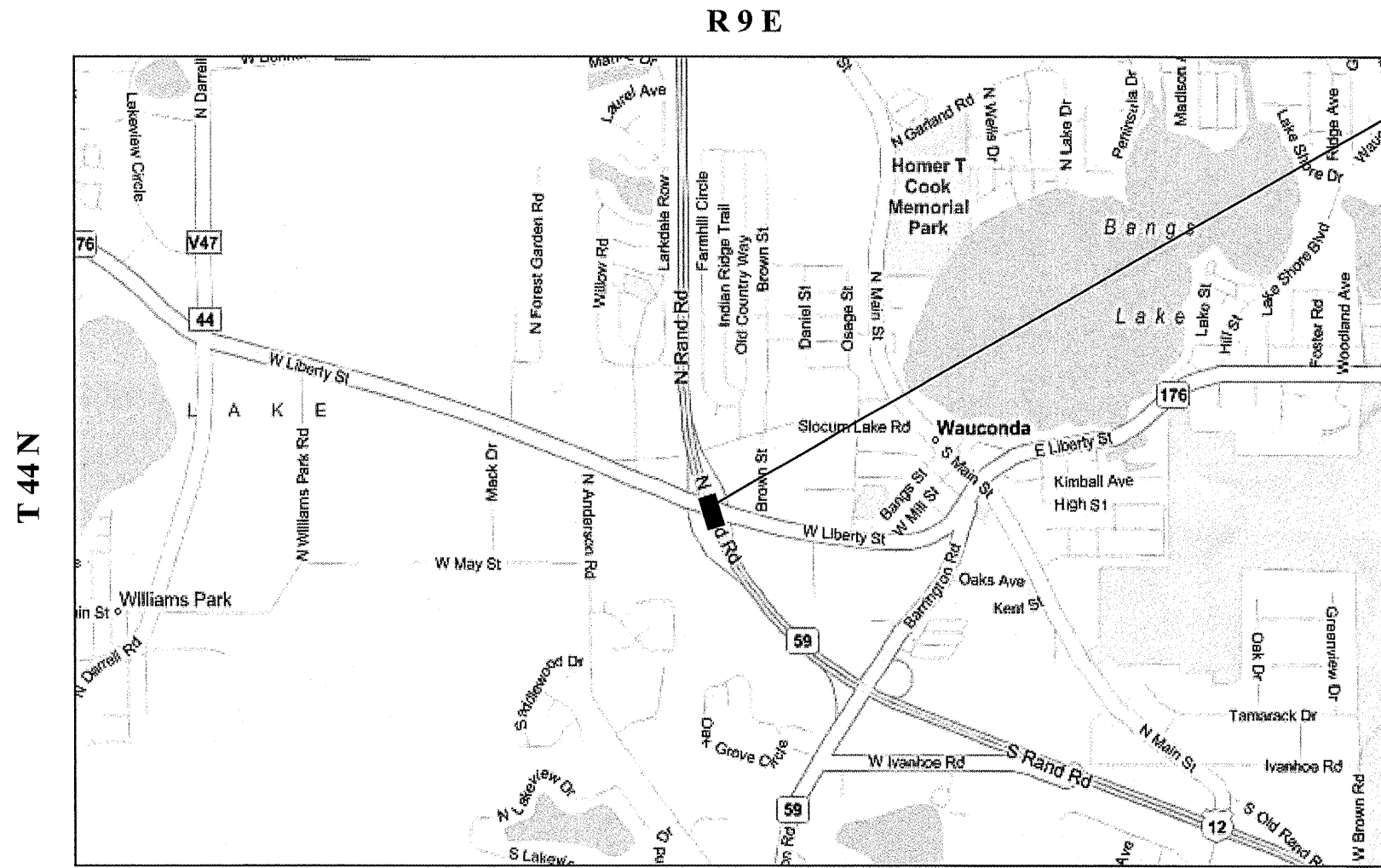
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION MAPS**

LOCATION 4: IL 131 OVER EJ&E RR

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	10

CONTRACT NO. 60F04



**LOCATION 5:**  
 SN 049-0022, -0023  
 US 12/IL 59 (RAND RD.) NB &  
 SB OVER IL 176  
**WAUCONDA TOWNSHIP**



**WAUCONDA TOWNSHIP  
 LAKE COUNTY**

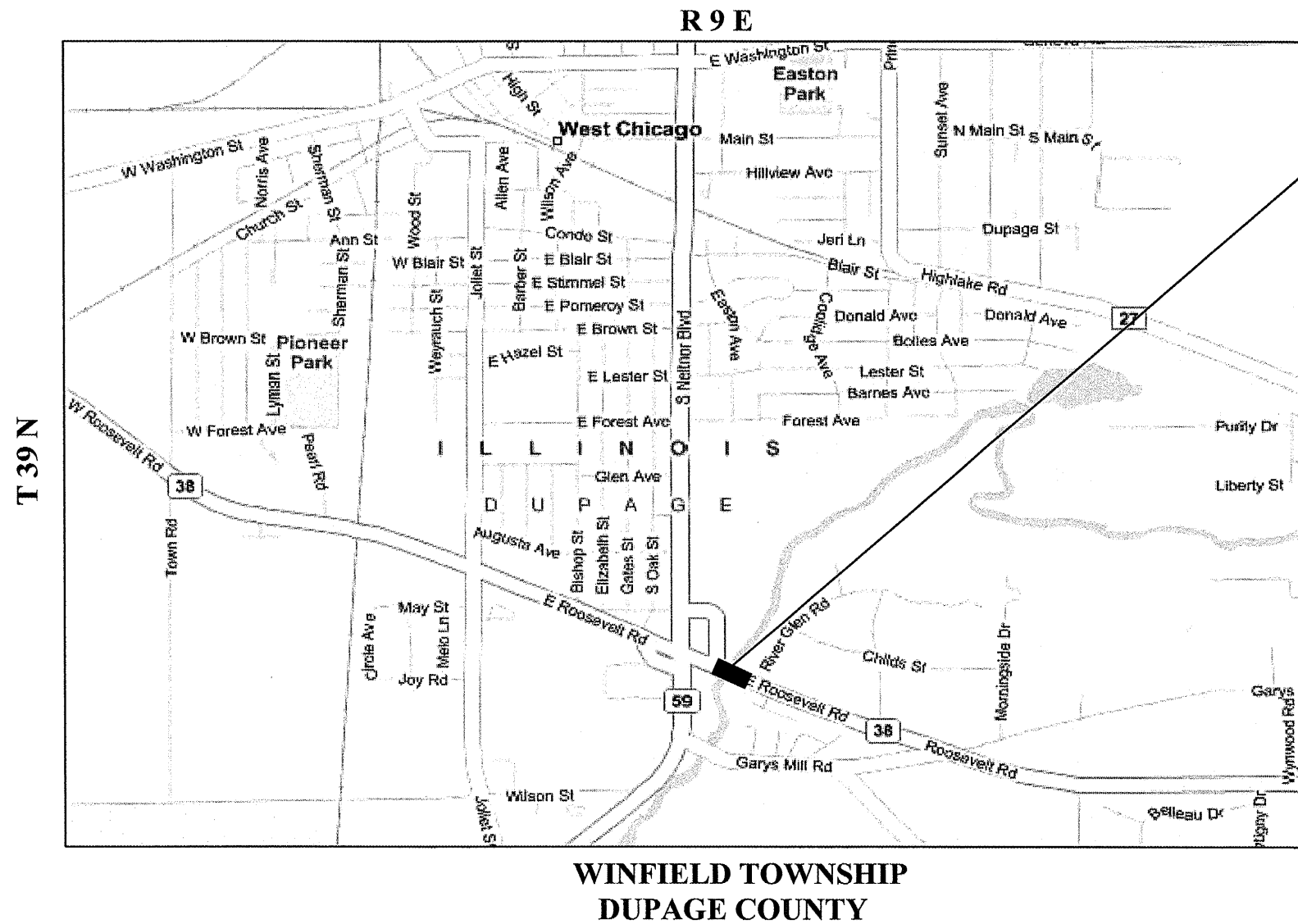
**TRAFFIC DATA: US 12**  
 2007 ADT = 18,950  
 POSTED SPEED LIMIT = 55 MPH

**TRAFFIC DATA: IL 176**  
 2007 ADT = 20,000  
 POSTED SPEED LIMIT = 30 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION MAPS**  
 LOCATION 5: US 12 NB & SB OVER IL 176

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	11

CONTRACT NO. 60F04



**LOCATION 6:**  
 SN 022-0022  
 IL 38 (ROOSEVELT RD.) OVER W.  
 BR. DUPAGE RIVER  
**CITY OF WEST CHICAGO**



**TRAFFIC DATA: IL 38**

2007 ADT = 21,100  
 POSTED SPEED LIMIT = 45 MPH

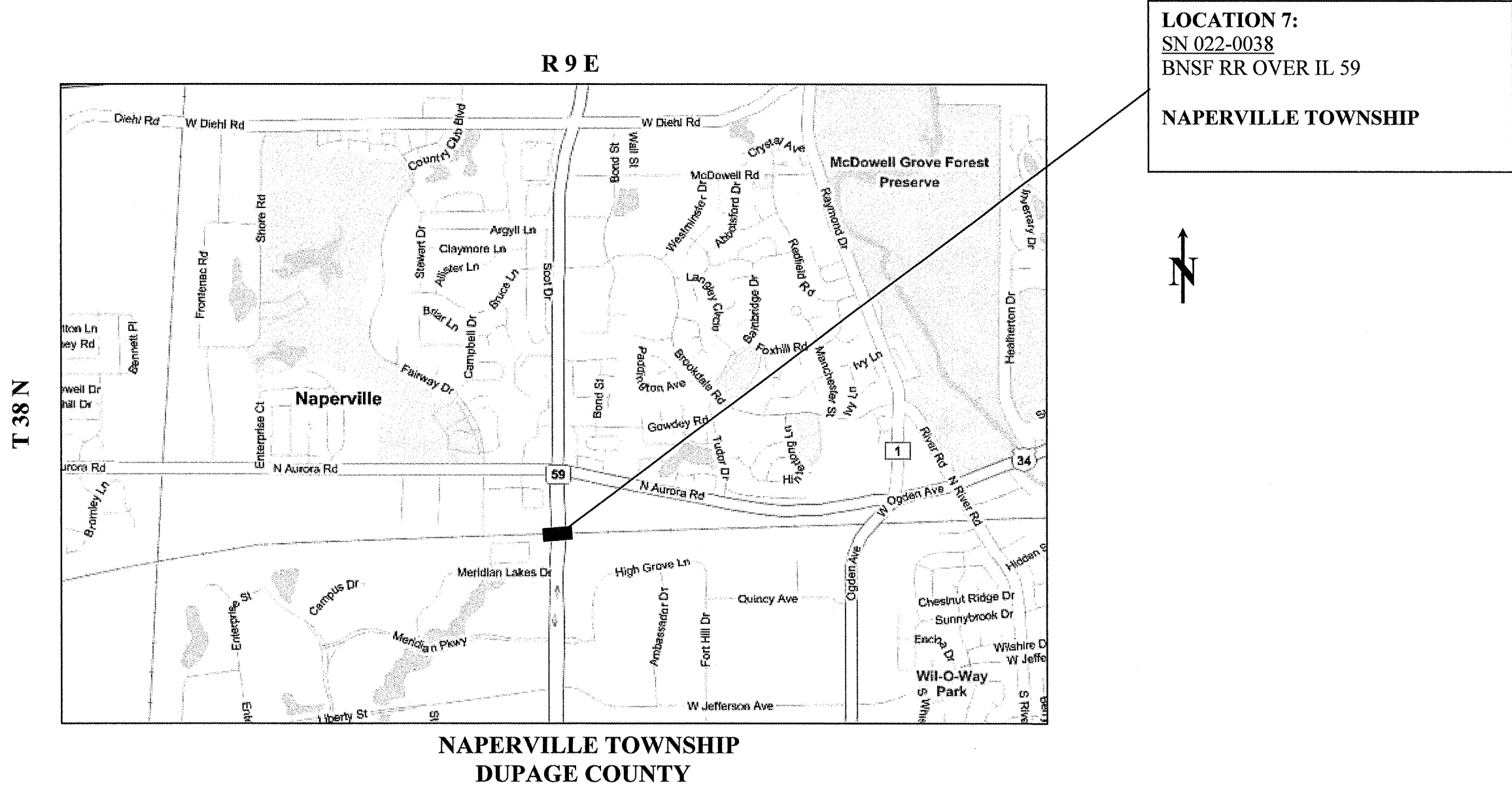
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION MAPS**

LOCATION 6: IL 38 OVER W. BR. DUPAGE RIVER

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	12

CONTRACT NO. 60F04



<b>TRAFFIC DATA: IL 59</b>	
2007 ADT	= 50,700
POSTED SPEED LIMIT	= 40 MPH

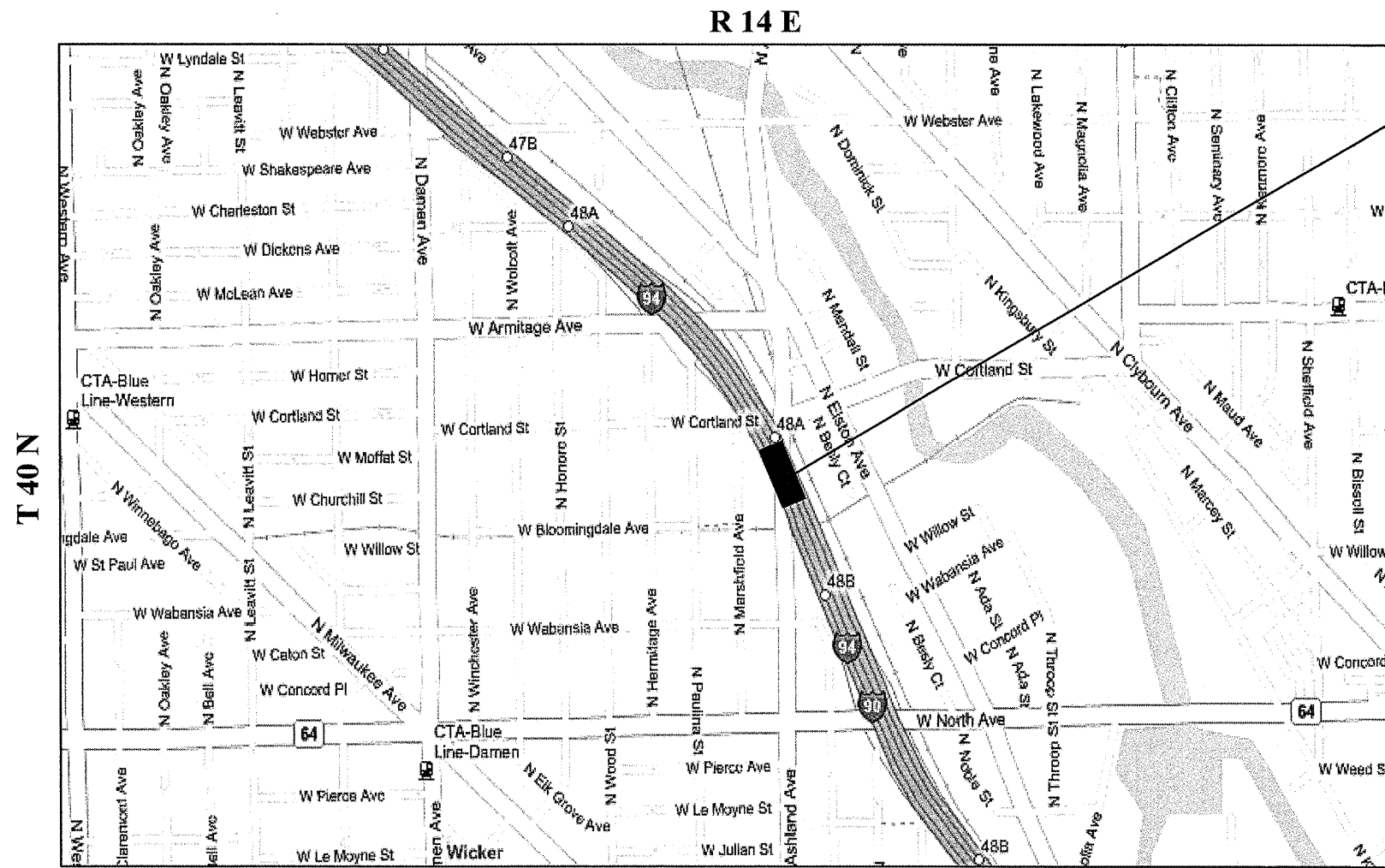
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION MAPS**

LOCATION 7: BNSF RR OVER IL 59

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	13

CONTRACT NO. 60F04



**LOCATION 8:**  
SN 016-0133  
 I-90/94 (KENNEDY EXPWY.) OVER  
 ASHLAND AVE.  
**CITY OF CHICAGO**



**WEST CHICAGO TOWNSHIP  
 COOK COUNTY**

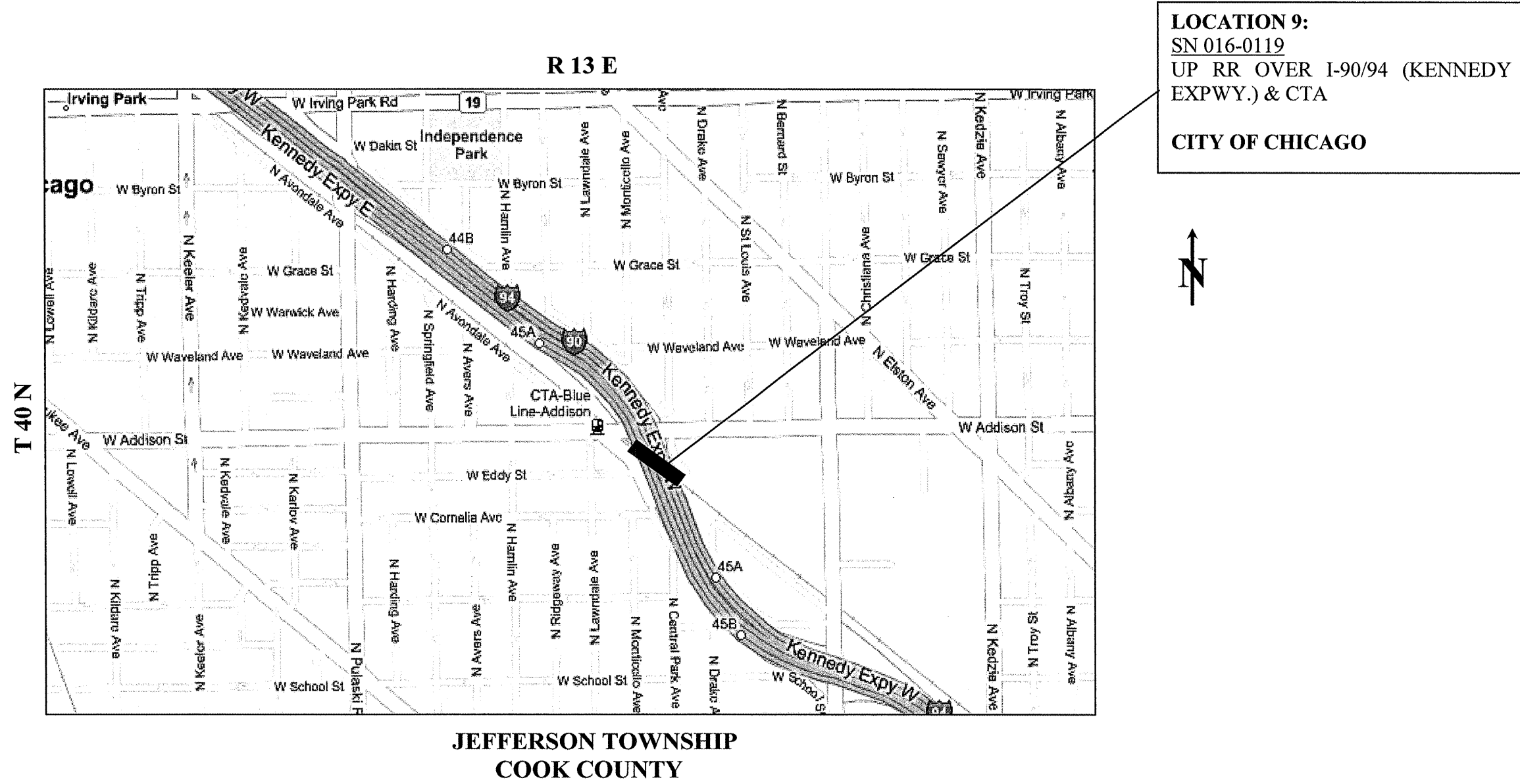
**TRAFFIC DATA: I-90/94**  
 2006 ADT = 305,300  
 POSTED SPEED LIMIT = 55 MPH

**TRAFFIC DATA: ASHLAND AVE.**  
 2006 ADT = 26,100  
 POSTED SPEED LIMIT = 30 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION MAPS**  
 LOCATION 8: I-90/94 OVER ASHLAND AVE.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	14

CONTRACT NO. 60F04



<b>TRAFFIC DATA: I-90/94</b>	
2006 ADT	= 271,200
POSTED SPEED LIMIT	= 55 MPH

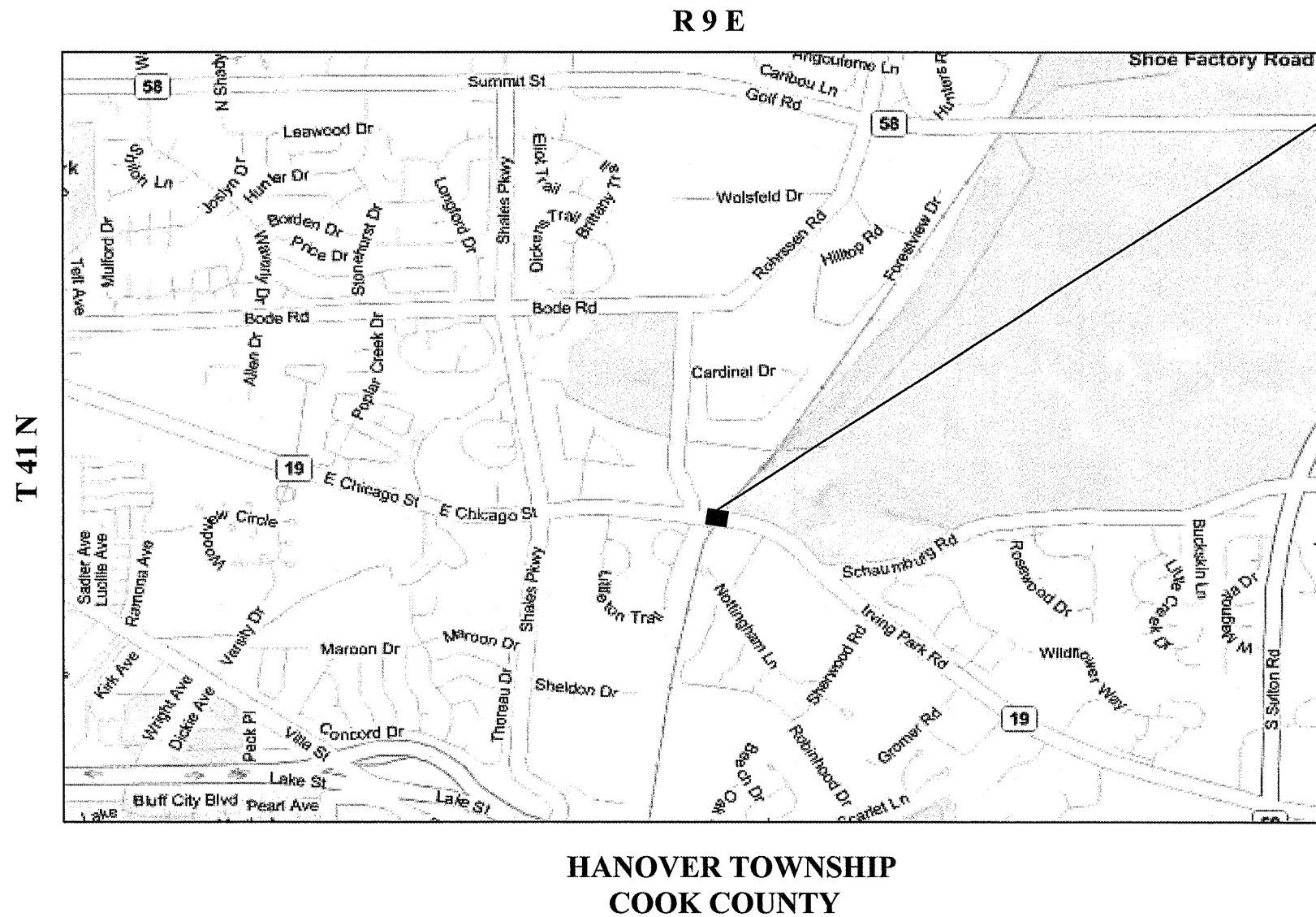
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION MAPS**

LOCATION 9: UP RR OVER I-90/94 & CTA

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	15

CONTRACT NO. 60F04



**LOCATION 10:**  
 SN 016-0948  
 IL 19 OVER EJ&E RR  
**HANOVER TOWNSHIP**

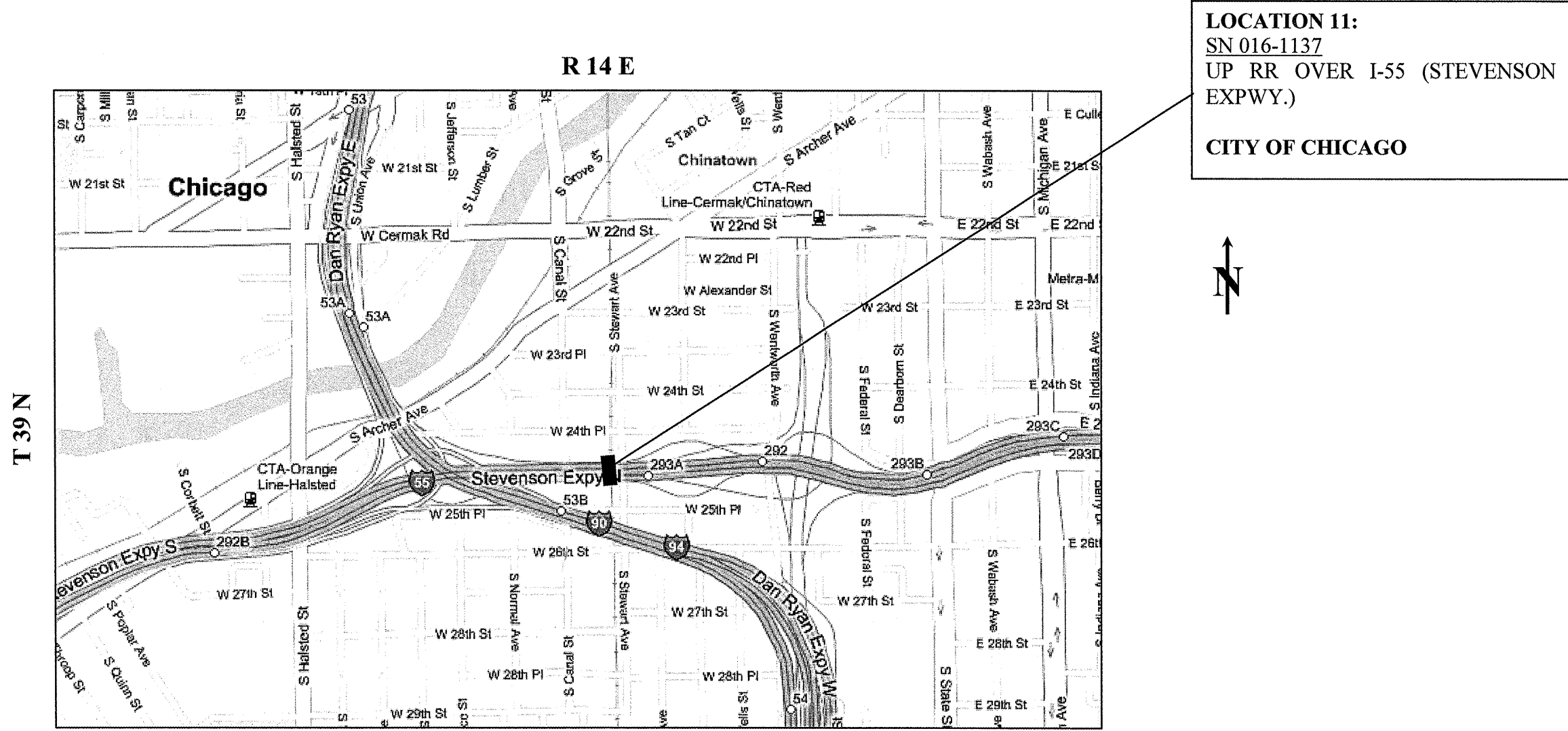


**TRAFFIC DATA: IL 19**  
 2007 ADT = 12,700  
 POSTED SPEED LIMIT = 45 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION MAPS**  
 LOCATION 10: IL 19 OVER EJ&E RR

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	16

CONTRACT NO. 60F04



**SOUTH CHICAGO TOWNSHIP  
COOK COUNTY**

<b>TRAFFIC DATA: I-55</b>	
2006 ADT	= 66,500
POSTED SPEED LIMIT	= 55 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION

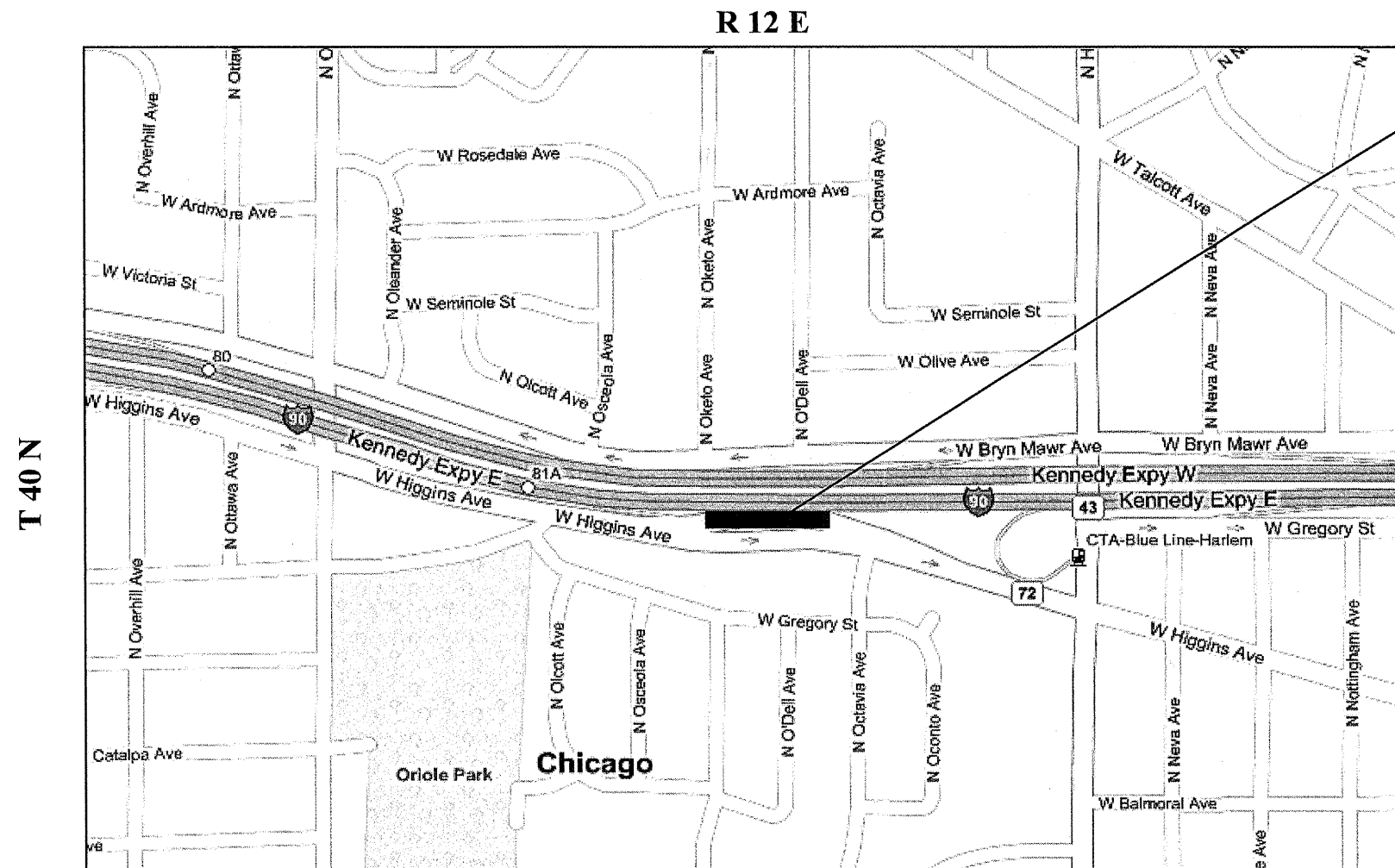
**LOCATION MAPS**

LOCATION 11: UP RR OVER I-55



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	17

CONTRACT NO. 60F04



**LOCATION 12:**  
 SN 016-2519  
 IL 72 (HIGGINS AVE.) WB OVER I-90  
 ( KENNEDY EXPWY.) EB TO IL 43  
 (HARLEM AVE.) RAMP  
**CITY OF CHICAGO**

**NORWOOD PARK TOWNSHIP  
 COOK COUNTY**

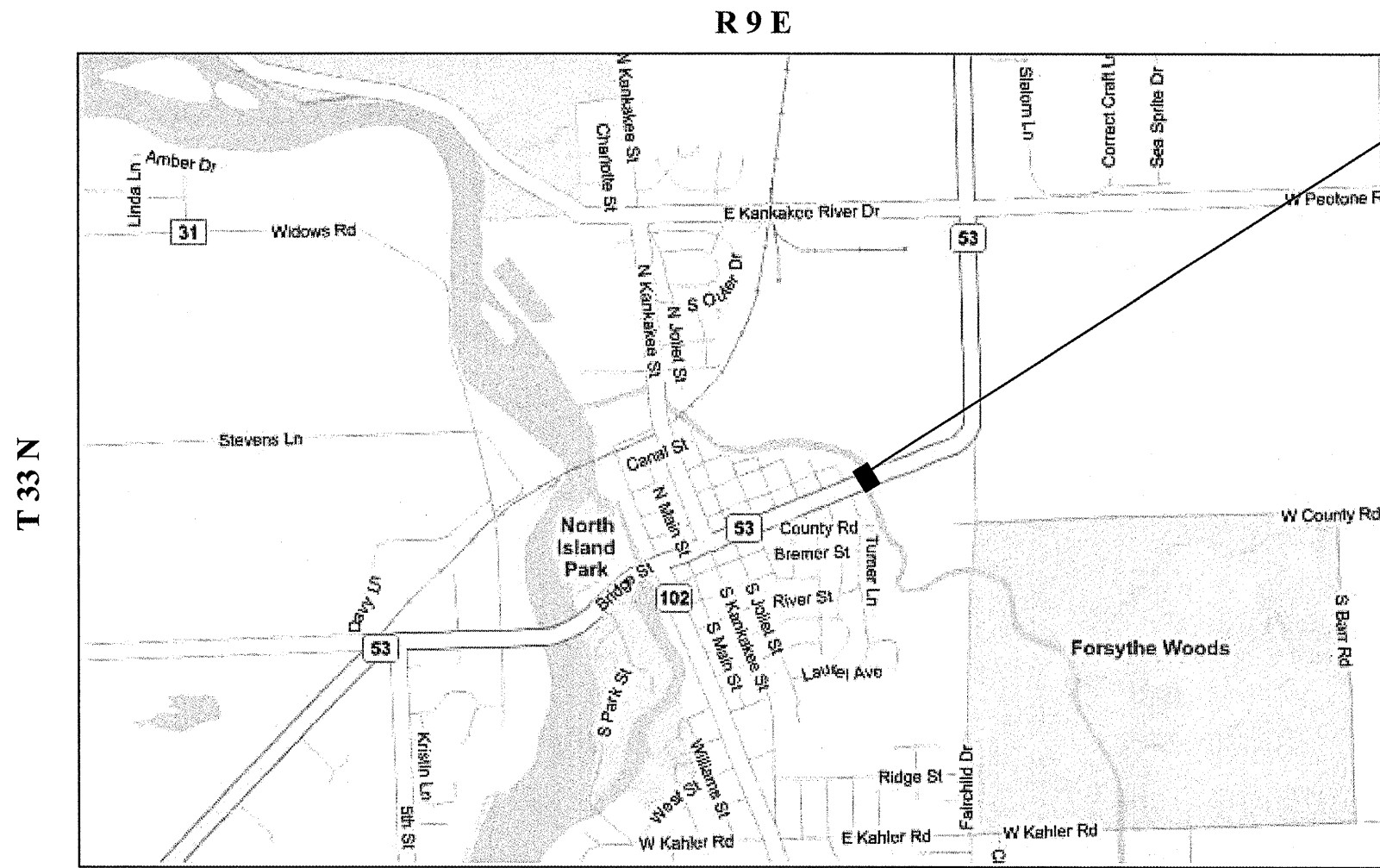
**TRAFFIC DATA: IL 72**  
 2005 ADT = 10,850  
 POSTED SPEED LIMIT = 30 MPH

**TRAFFIC DATA: I-90 RAMP**  
 2000 ADT = 9,209  
 POSTED SPEED LIMIT = 30 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION MAPS**  
 LOCATION 12: IL 72 WB OVER I-90 EB TO IL 43 RAMP

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	18

CONTRACT NO. 60F04



**LOCATION 13:**  
 SN 099-0091  
 IL 53 OVER FORKED CREEK  
 CITY OF WILMINGTON



**WILMINGTON TOWNSHIP  
 WILL COUNTY**

**TRAFFIC DATA: IL 53**  
 2007 ADT = 10,200  
 POSTED SPEED LIMIT = 35 MPH

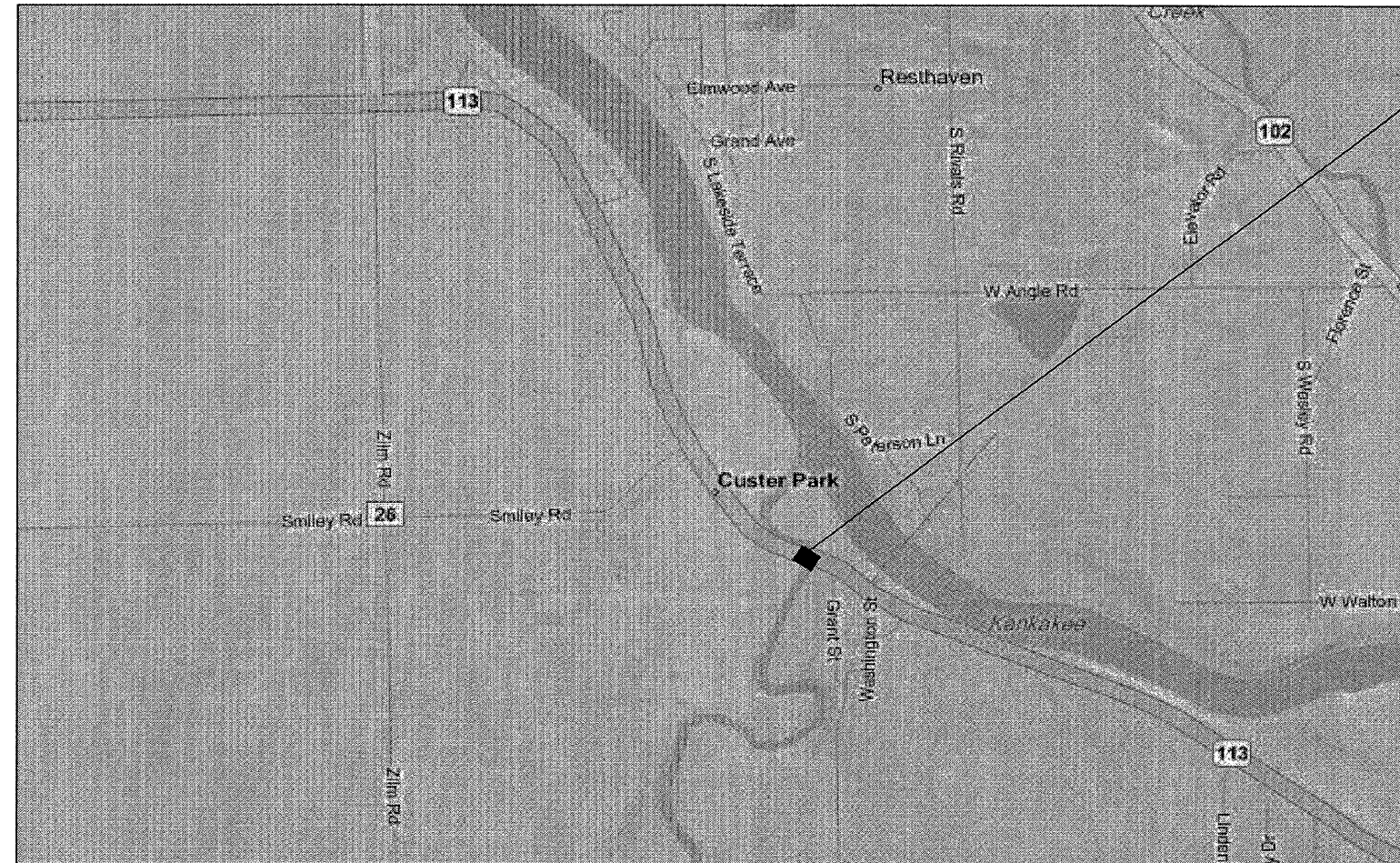
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION MAPS**  
 LOCATION 13: IL 53 OVER FORKED CREEK

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	19

CONTRACT NO. 60F04

T 32 N

R 9 E



CUSTER TOWNSHIP  
WILL COUNTY

**LOCATION 14:**  
SN 099-0171  
IL 113 OVER HORSE CREEK  
**CUSTER TOWNSHIP**



**TRAFFIC DATA: IL 113**  
2007 ADT = 3,700  
POSTED SPEED LIMIT = 55 MPH

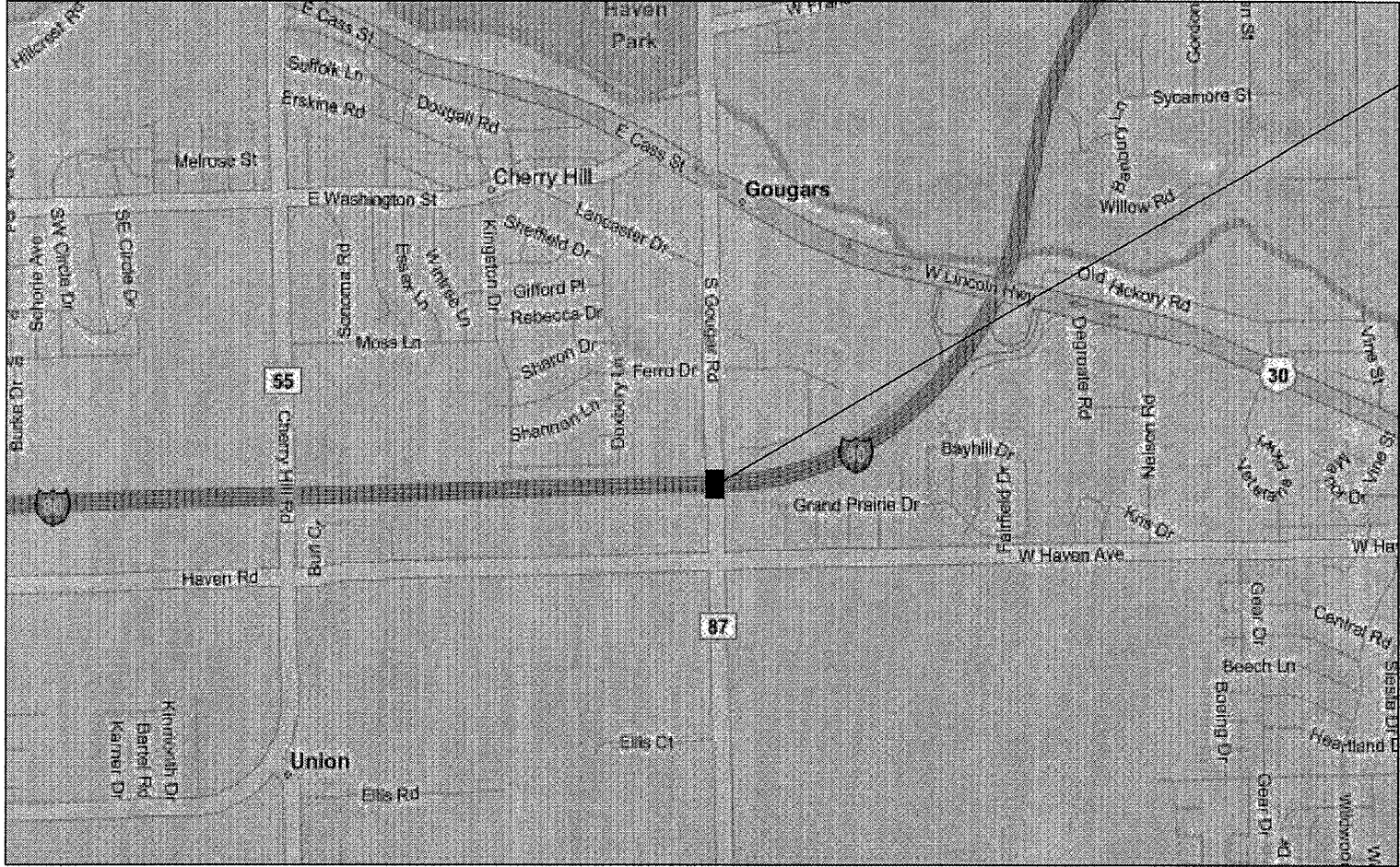
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION MAPS**  
LOCATION 14: IL 113 OVER HORSE CREEK

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	20

CONTRACT NO. 60F04

R 11 E

T 35 N



**LOCATION 15:**  
 SN 099-0203  
 GOUGAR RD OVER I-80  
**VILLAGE OF NEW LENOX**



**NEW LENOX TOWNSHIP  
 WILL COUNTY**

**TRAFFIC DATA: GOUGAR RD.**

2004 ADT = 9,100  
 POSTED SPEED LIMIT = 55 MPH

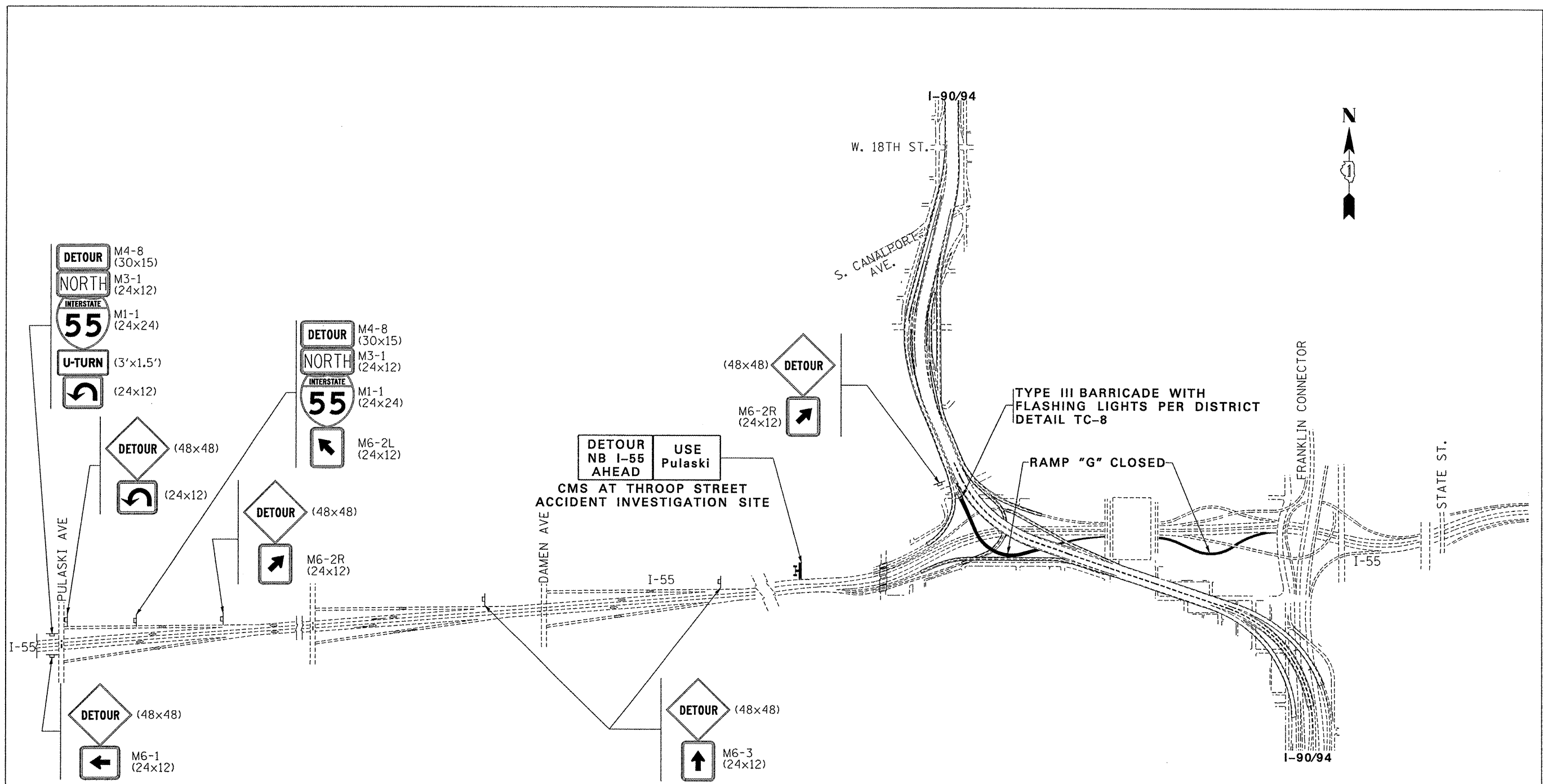
**TRAFFIC DATA: I-80**

2007 ADT = 81,200  
 POSTED SPEED LIMIT = 55 MPH

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION MAPS**

LOCATION 15: GOUGAR RD. OVER I-80



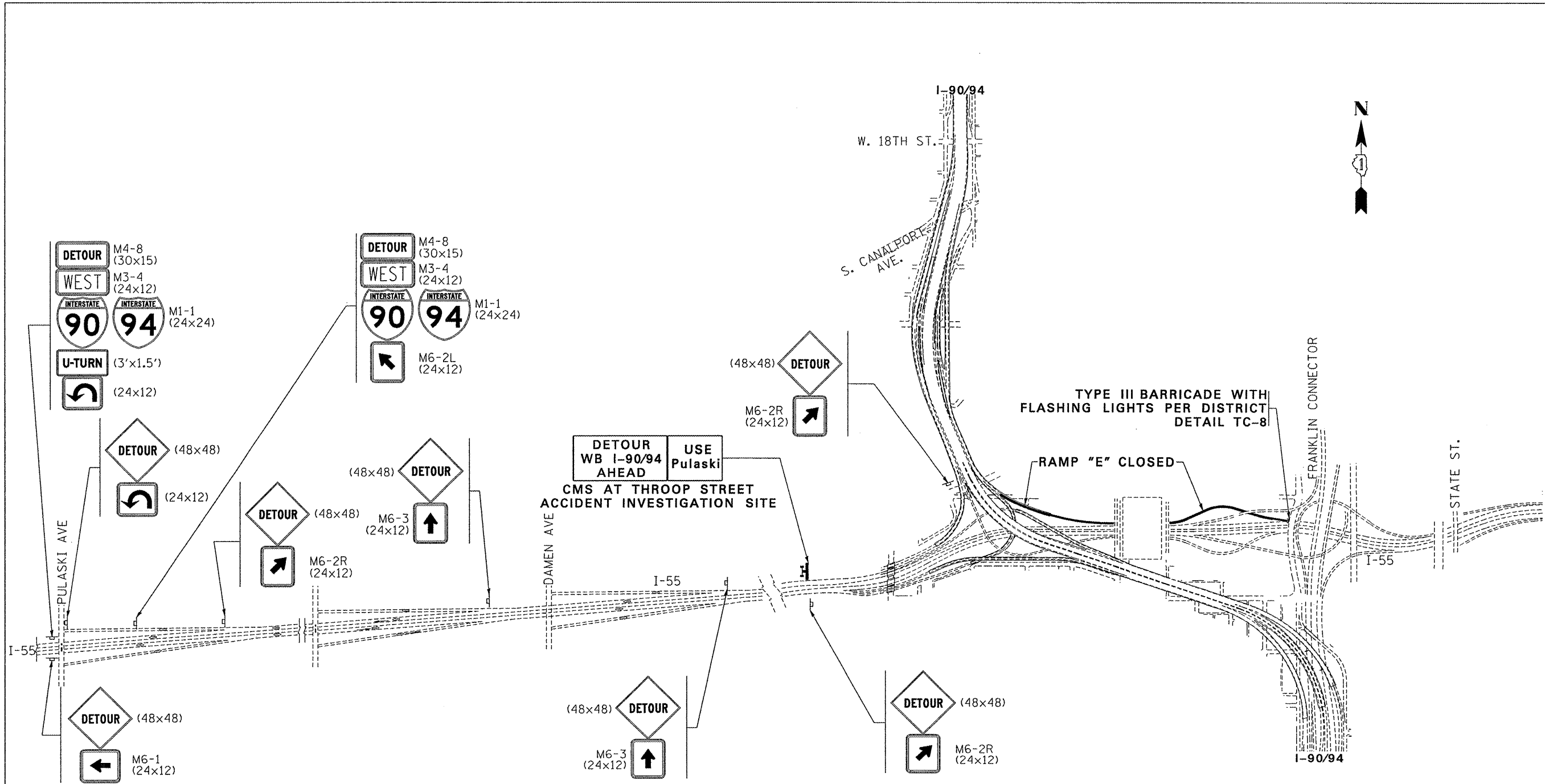
FILE NAME =	USER NAME = hmdanah	DESIGNED -	REVISED -
ct:\pr_work\p1s1dot1\hmdanah\dms1847\dms	gn.as.dgn	DRAWN -	REVISED -
	PLOT SCALE = 587,5200' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/5/2008	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION 11: DETOUR FOR RAMP "G" CLOSURE  
I-90/94 SB TO I-55 NB**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

* VARIOUS				
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2008-053 BP	VARIOUS	69	20A
CONTRACT NO. 60F04				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = hmdanah	DESIGNED -	REVISED -
ct:\pwork\p1dot\hmdanah\dms91047\dms	gn.ee.dgn	DRAWN -	REVISED -
	PLOT SCALE = 587.5200' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/5/2008	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

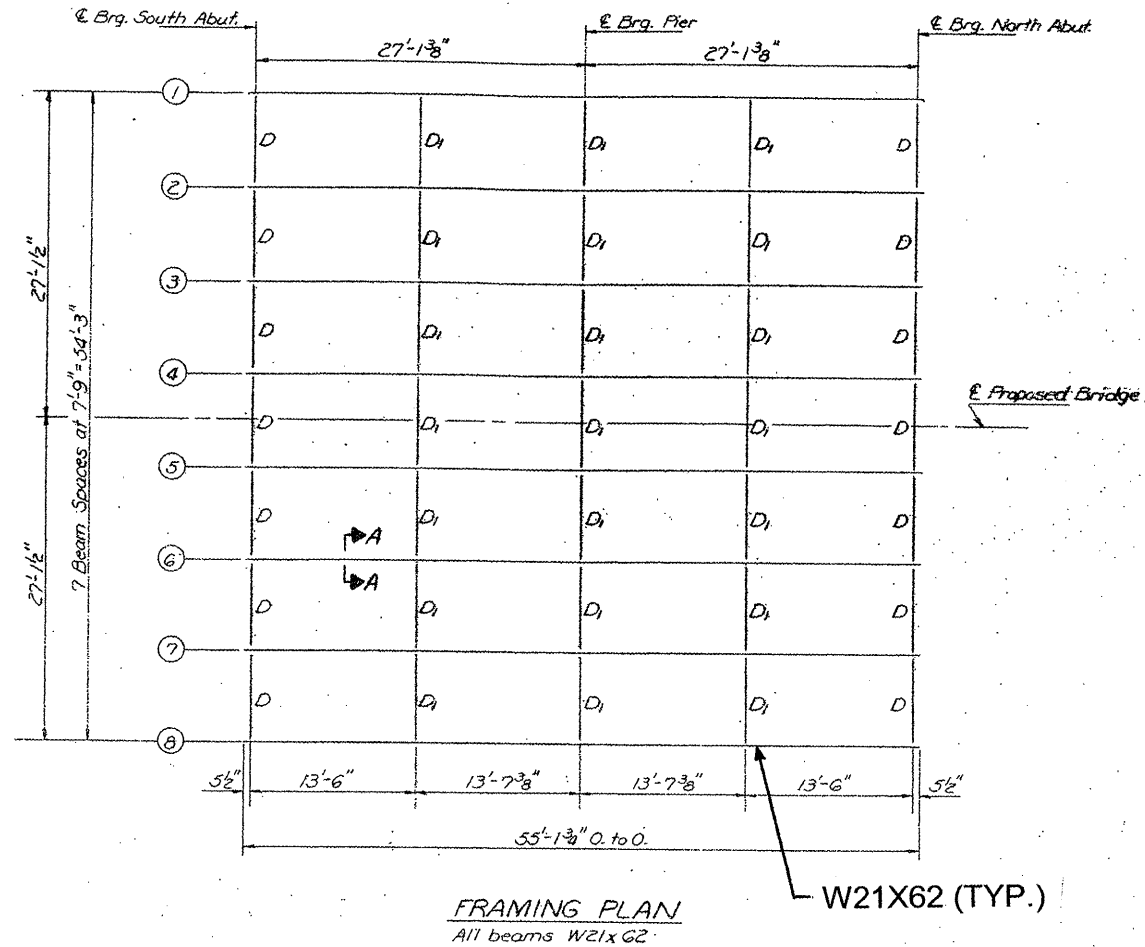
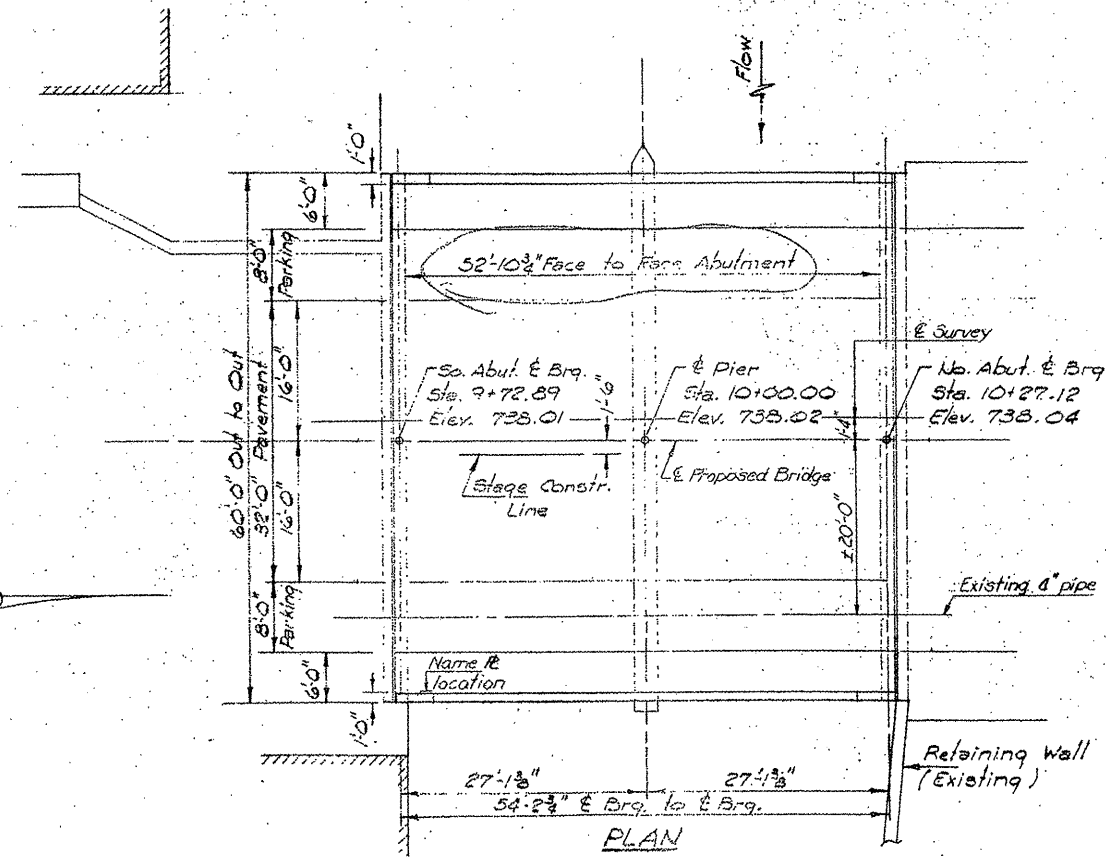
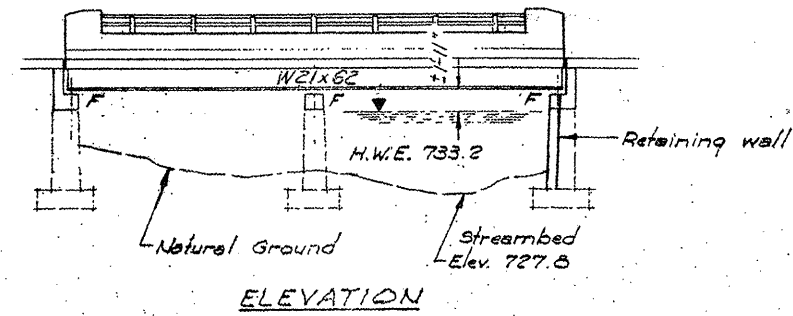
**LOCATION 11: DETOUR FOR RAMP "E" CLOSURE  
I-55 SB TO I-90/94 WB**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

* VARIOUS			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
*	2008-053 BP	VARIOUS	69 20B
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
		CONTRACT NO. 60F04	

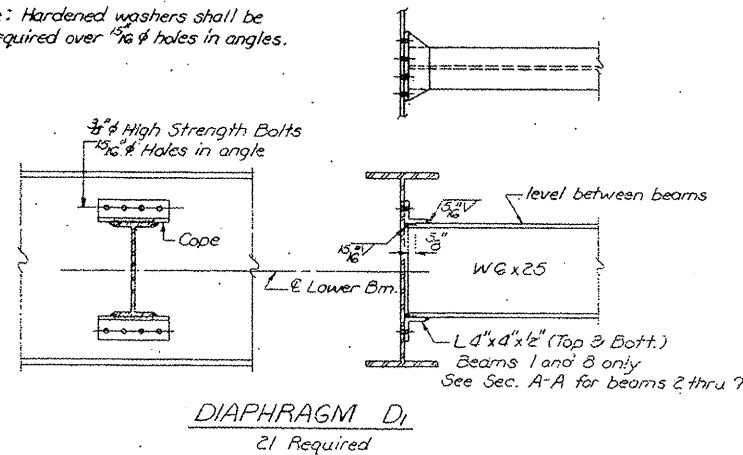
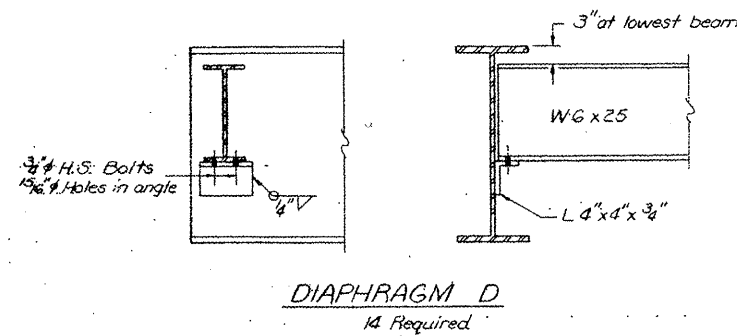
ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 21
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



NOTE:  
ALL EXISTING STRUCTURAL STEEL IS COR-TEN WEATHERING STEEL

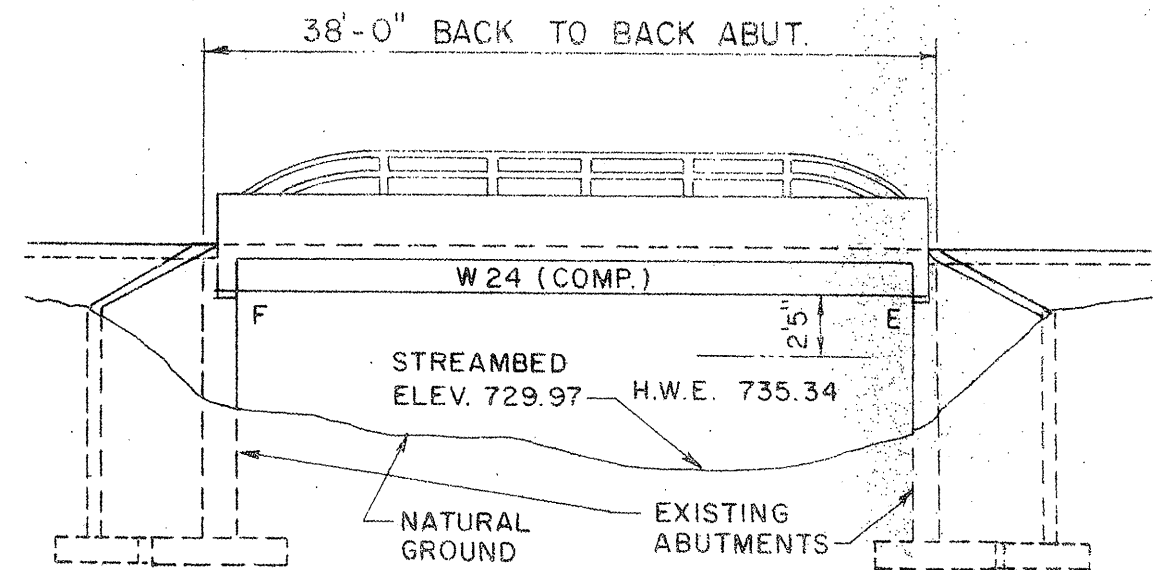
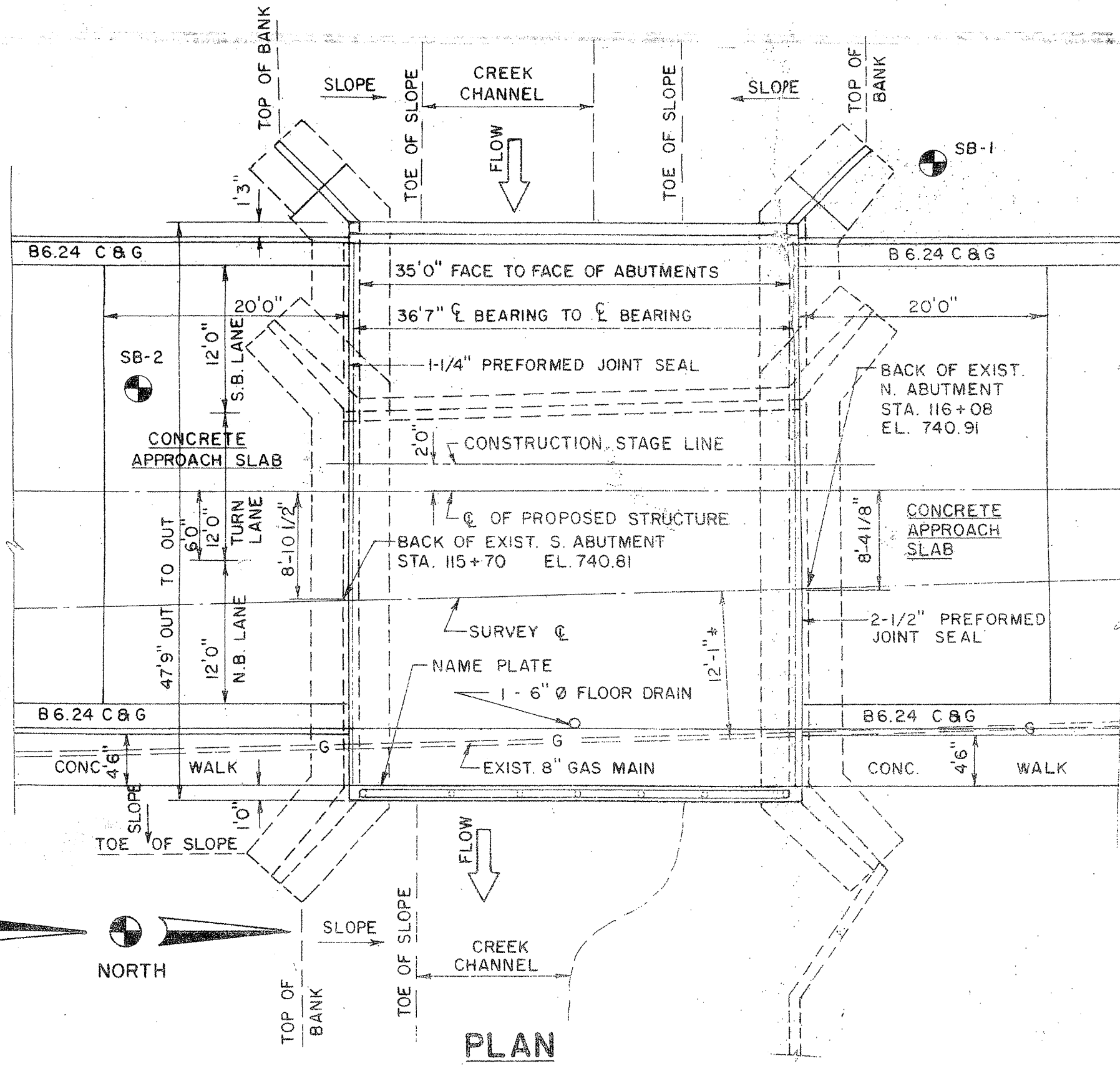
Note: Hardened washers shall be required over 1/8" holes in angles.



**LOCATION NO. 1**  
**EXIST. BRIDGE PLANS**  
**IL 31 OVER CRYSTAL LAKE**  
**OVERFLOW SN 056-0015**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	22

CONTRACT NO. 60F04



**FOR INFORMATION ONLY**

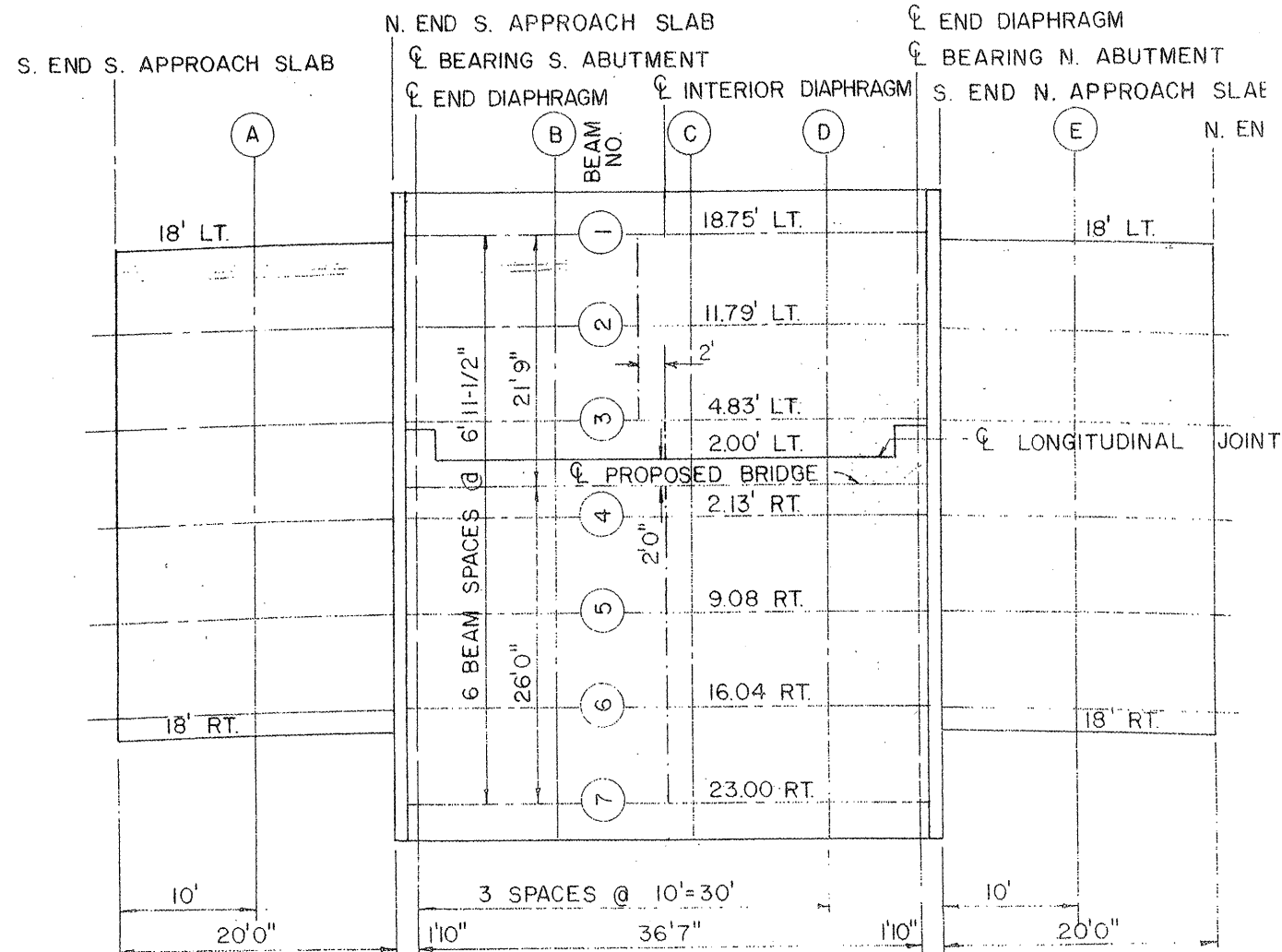
**LOCATION NO. 2**

**EXIST. BRIDGE PLANS  
IL 31 OVER EDGEWOOD  
RAVINE SN 056-0016**

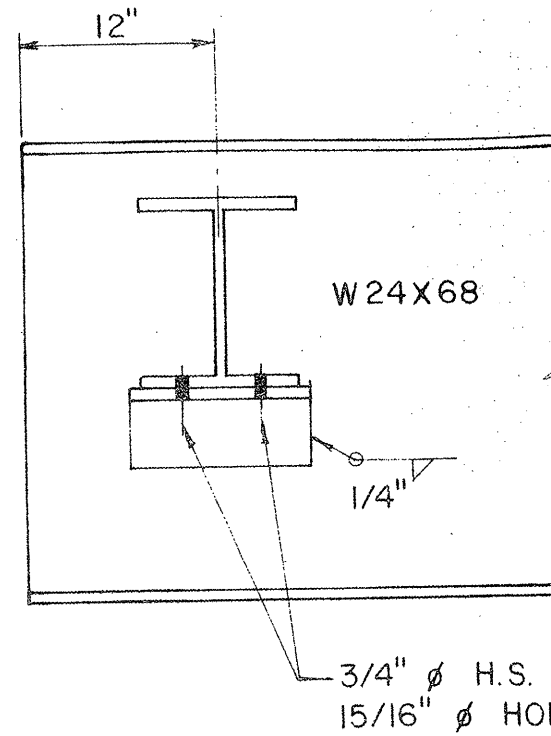


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	23

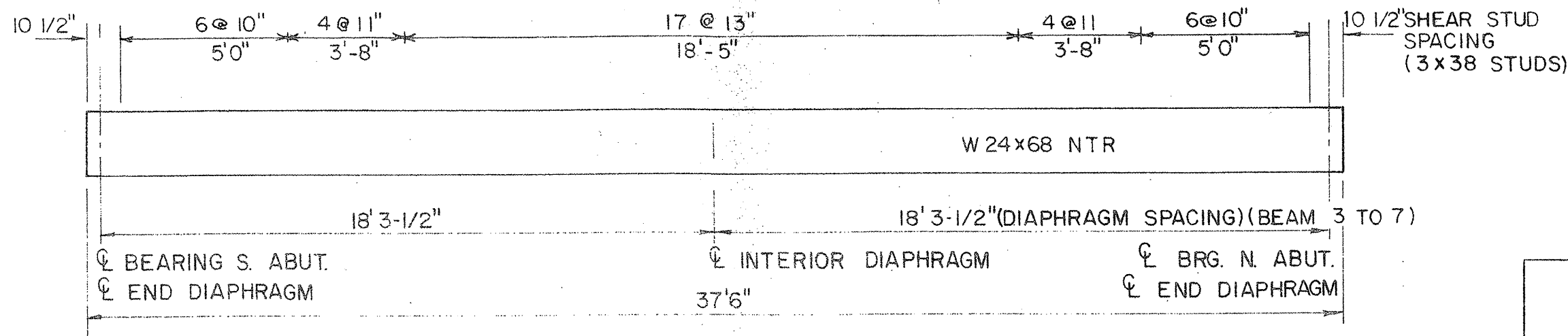
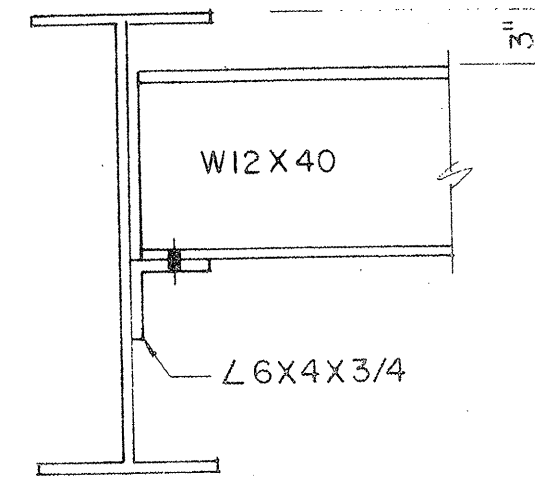
CONTRACT NO. 60F04



LOCATION GRID AND FRAMING PLAN



END DIAPHRAGM



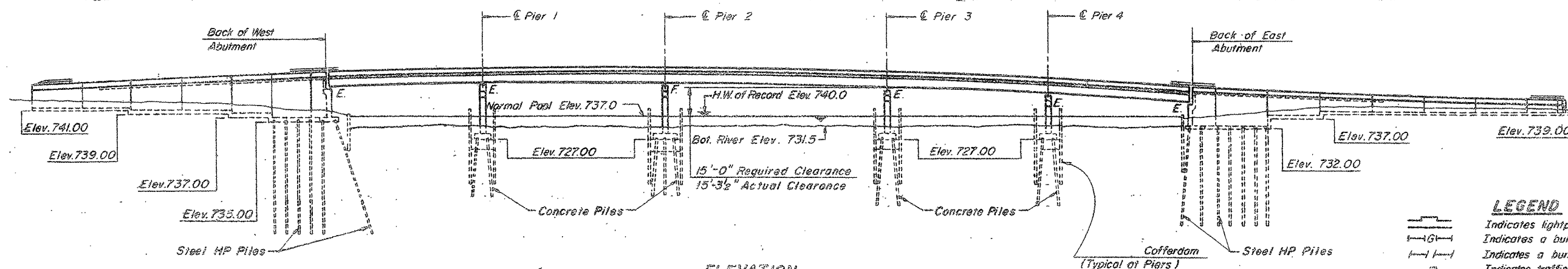
BEAM ELEVATION

NTR INDICATES NOTCH TOUGHNESS REQUIREMENT  
SHEET 2 OF 2

**LOCATION NO. 2**  
**EXIST. BRIDGE PLANS**  
**IL 31 OVER EDGEWOOD**  
**RAVINE SN 056-0016**

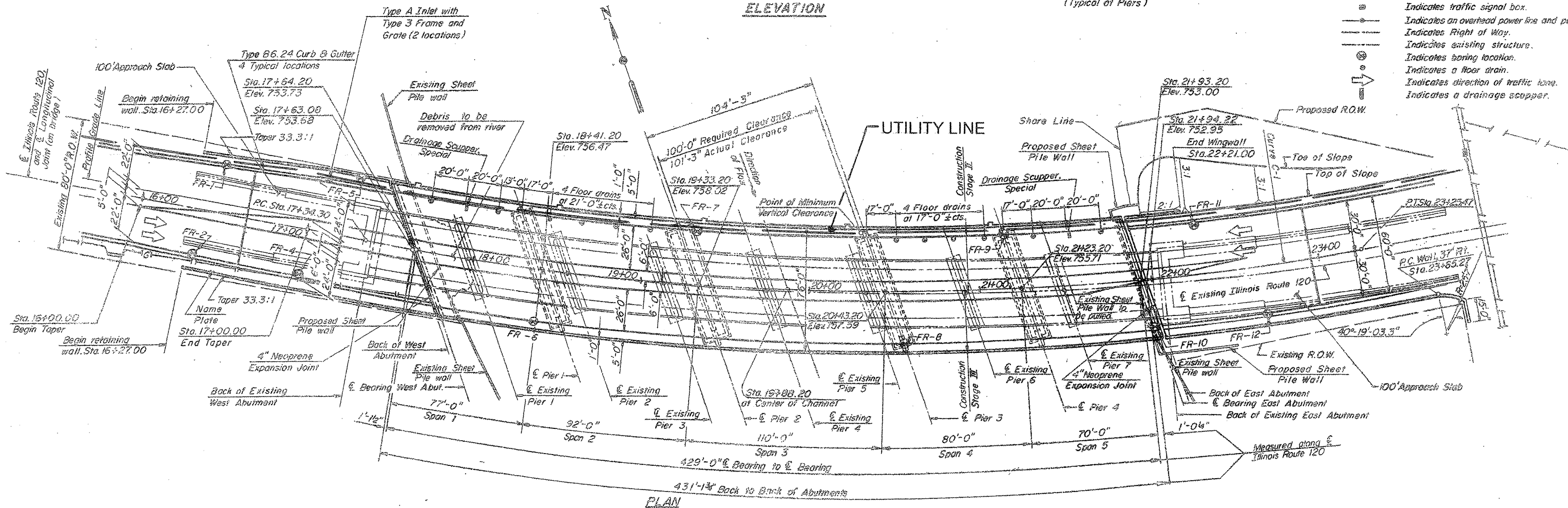
ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 24
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



ELEVATION

- LEGEND**
- Indicates light pole base
  - Indicates a buried gas line
  - Indicates a buried power line.
  - Indicates traffic signal box.
  - Indicates an overhead power line and pole.
  - Indicates Right of Way.
  - Indicates existing structure.
  - Indicates boring location.
  - Indicates a floor drain.
  - Indicates direction of traffic flow.
  - Indicates a drainage scupper.



PLAN

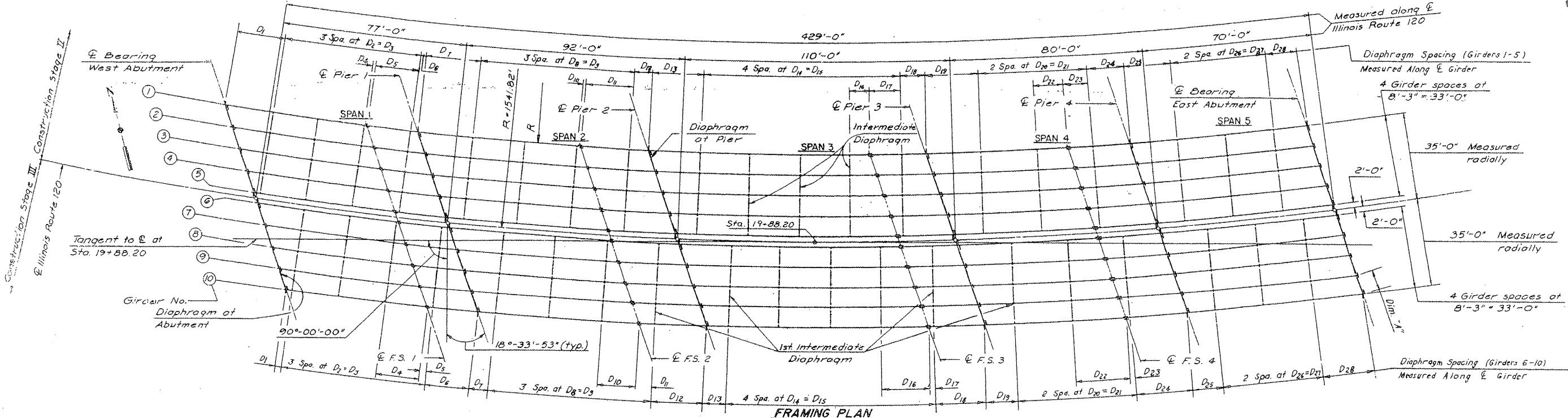
**FOR INFORMATION ONLY**

**LOCATION NO. 3**

**EXIST. BRIDGE PLANS  
IL 120 OVER FOX RIVER  
SN 056-0049**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 25
------------------	------------------------	-------------------	-----------------------	-----------------------

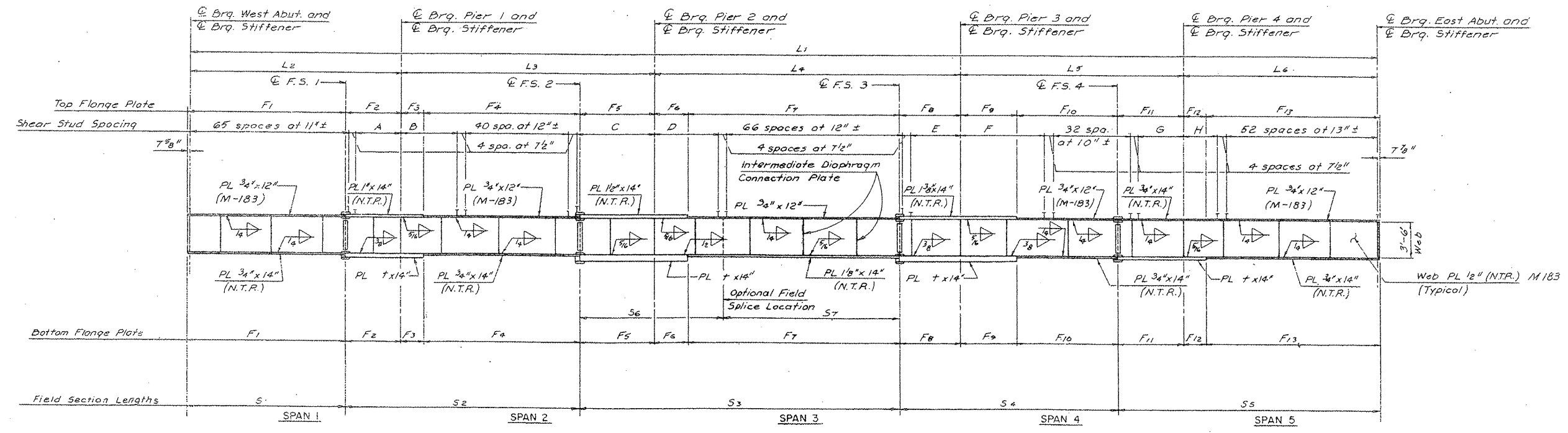
CONTRACT NO. 60F04



FRAMING PLAN

TABLE OF GIRDER VARIABLES

Variable	Girder	
	1	10
Span Lengths	L1	430'-3 1/16"
	L2	771'-4 15/16"
	L3	921'-4 7/16"
	L4	1101'-3 1/2"
	L5	801'-1 5/8"
	L6	701'-0 15/16"
Flange Lengths	F1	571'-11 3/8"
	F2	201'-1 3/16"
	F3	81'-0 1/2"
	F4	561'-11 3/16"
	F5	271'-0 1/8"
	F6	121'-0 1/16"
	F7	761'-5 1/2"
	F8	211'-9 5/16"
	F9	201'-0 1/16"
	F10	361'-3 3/4"
	F11	231'-9 1/16"
	F12	81'-0 1/8"
	F13	621'-8 1/16"
Girder Radius	R	1506'-9 15/16"
Shear Stud Layout Dimensions	A	161'-5"
	B	191'-9"
	C	261'-5"
	D	221'-2"
	E	151'-1"
	F	311'-7"
	G	171'-2"
	H	121'-7"

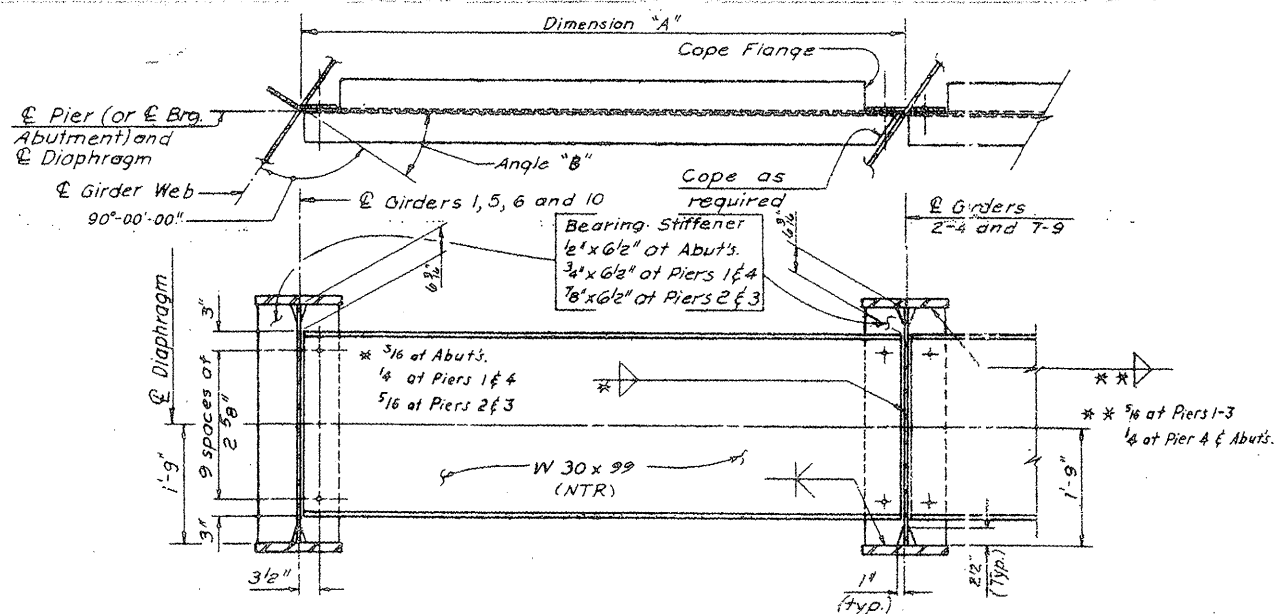


GIRDER ELEVATION

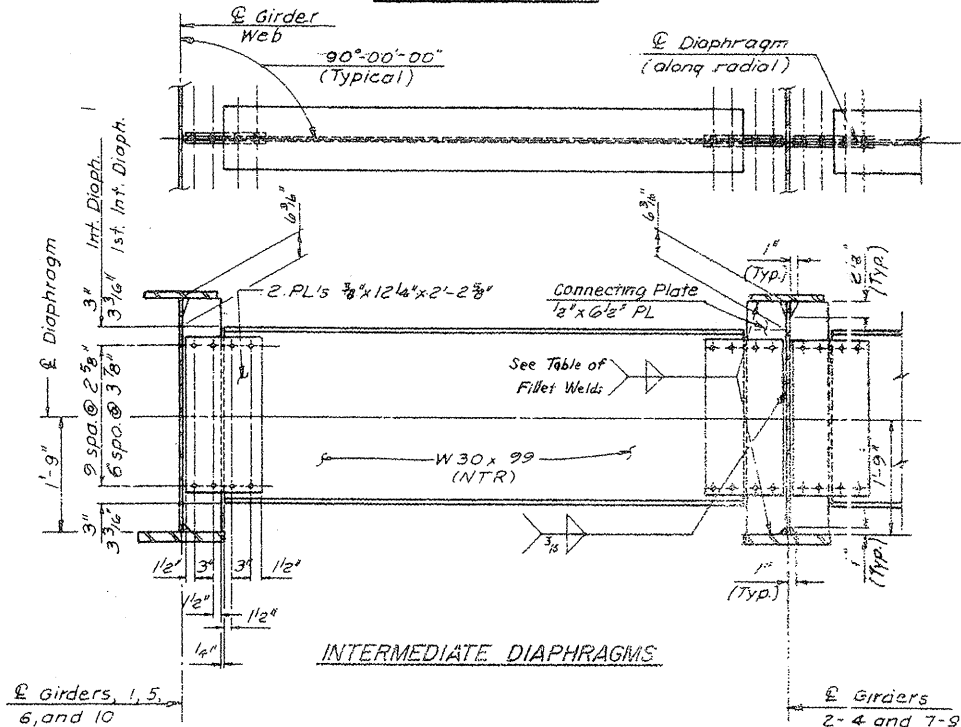
**LOCATION NO. 3**  
**EXIST. BRIDGE PLANS**  
**IL 120 OVER FOX RIVER**  
**SN 056-0049**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 26
------------------	------------------------	-------------------	-----------------------	-----------------------

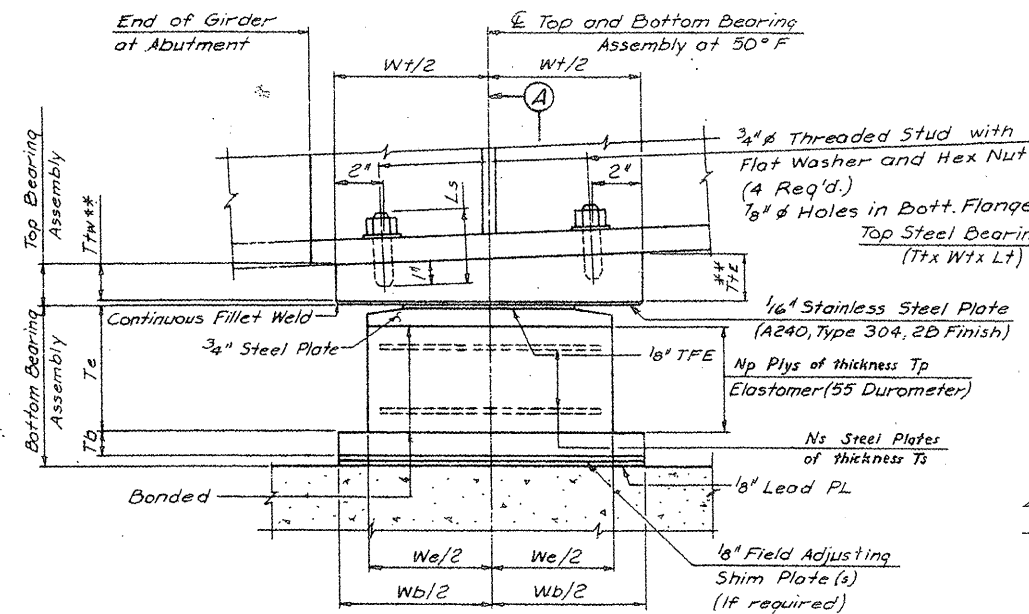
CONTRACT NO. 60F04



**DIAPHRAGMS AT PIERS AND ABUTMENTS**

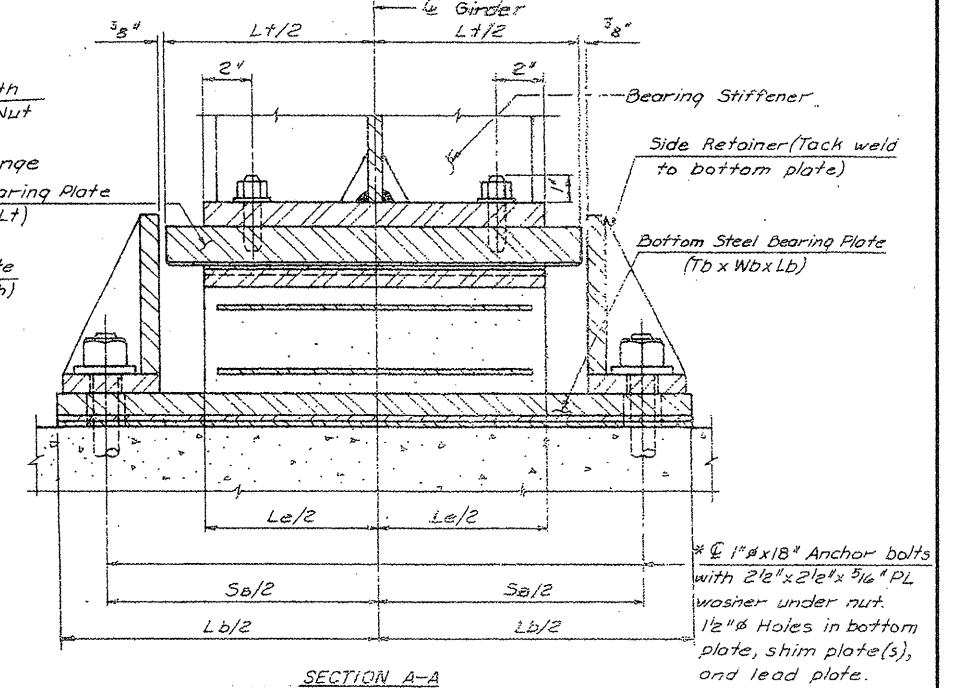


**INTERMEDIATE DIAPHRAGMS**



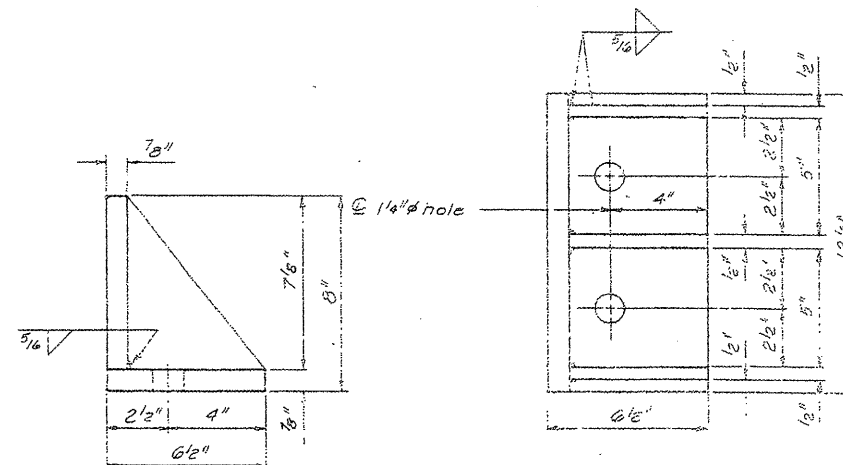
\*\*T<sub>w</sub> = Thickness of west side of plate.  
\*\*T<sub>e</sub> = Thickness of east side of plate.

**SIDE VIEW**



**SECTION A-A**

**TYPE II ELASTOMERIC EXPANSION BEARING DEVICE**  
(West and East Abutments and Piers 1, 3 and 4)



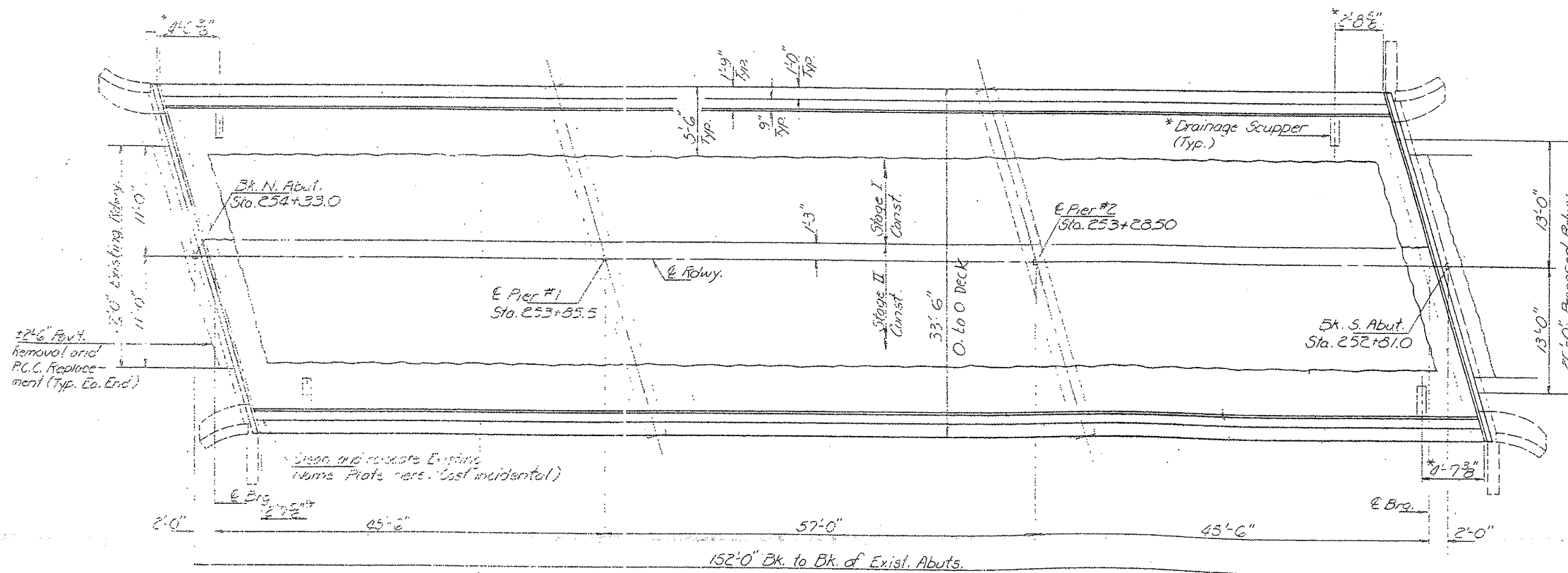
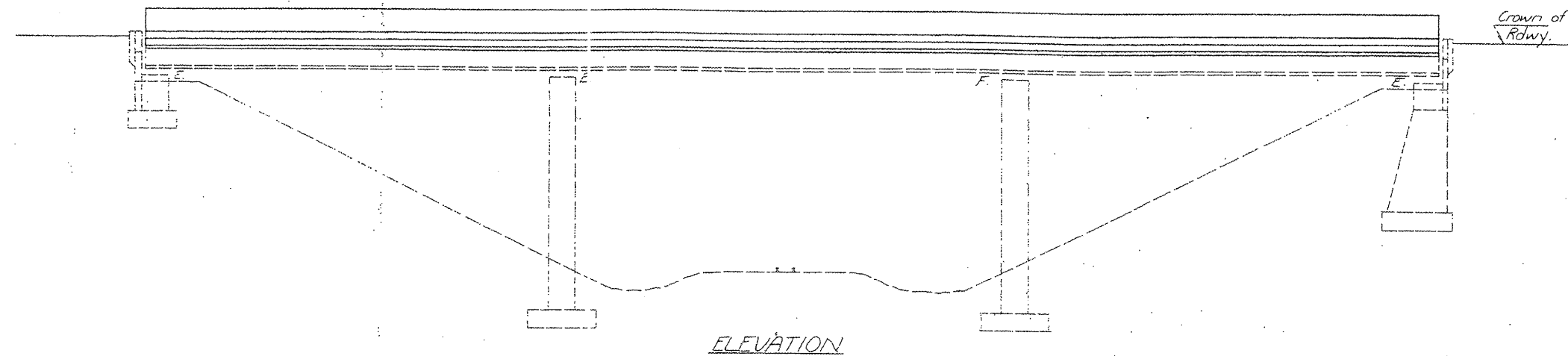
**SIDE RETAINER**

**LOCATION NO. 3**

**EXIST. BRIDGE PLANS  
IL 120 OVER FOX RIVER  
SN 056-0049**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 27
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



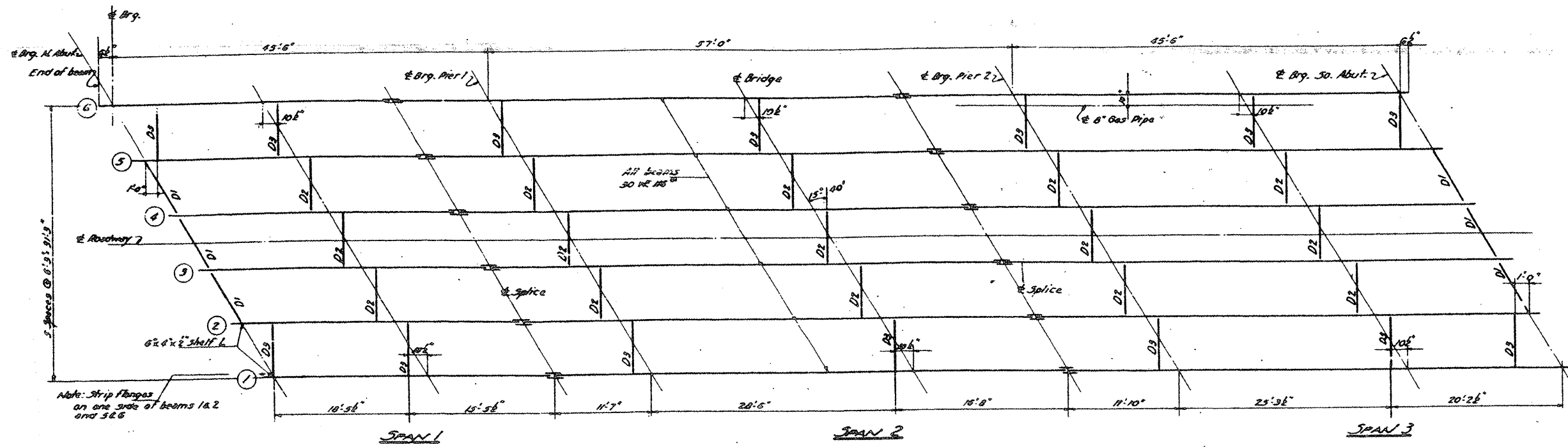
**FOR INFORMATION ONLY**

LOCATION NO. 4

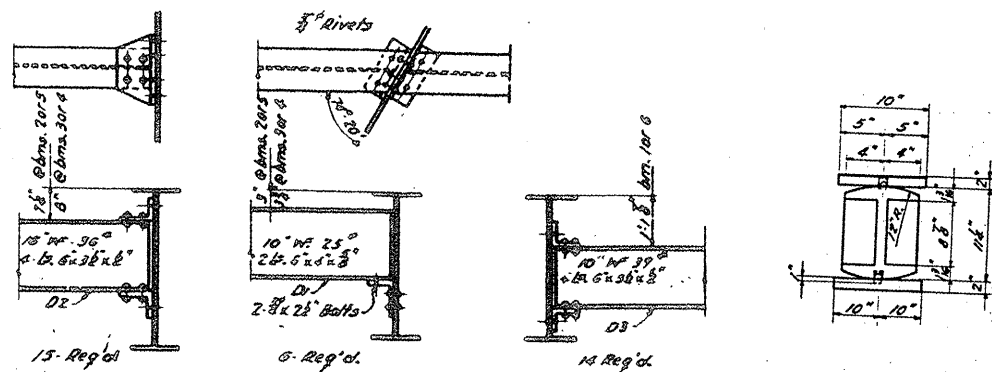
EXIST. BRIDGE PLANS  
IL 131 OVER EJ&E RR  
SN 049-0012

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 28
------------------	------------------------	-------------------	-----------------------	-----------------------

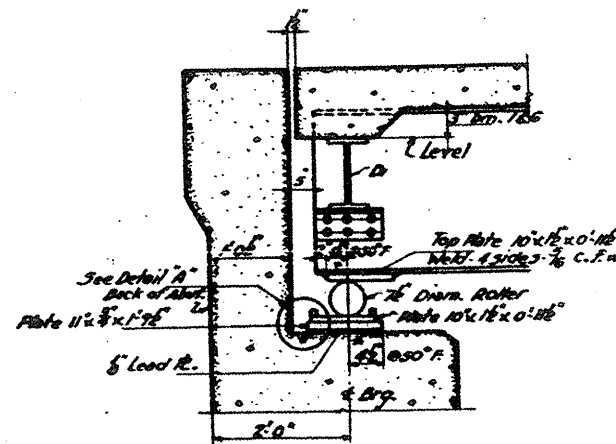
CONTRACT NO. 60F04



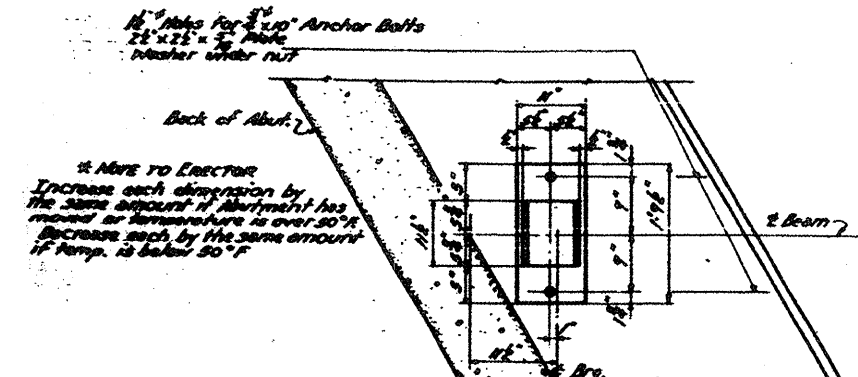
PLAN OF STRUCTURAL STEEL



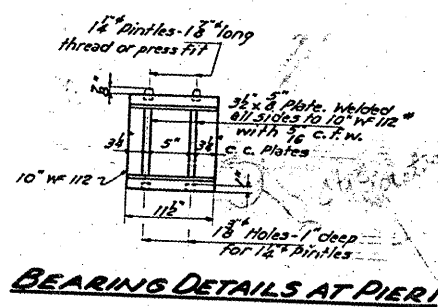
DIAPHRAGM DETAILS



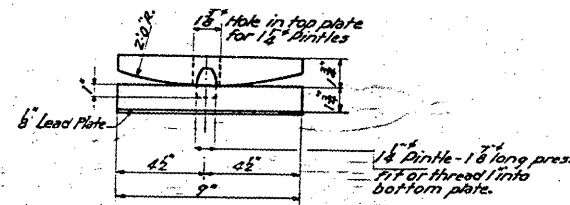
SECTION AT ABUTMENT  
Typical and of interior beams



PLAN



BEARING DETAILS AT PIER 1



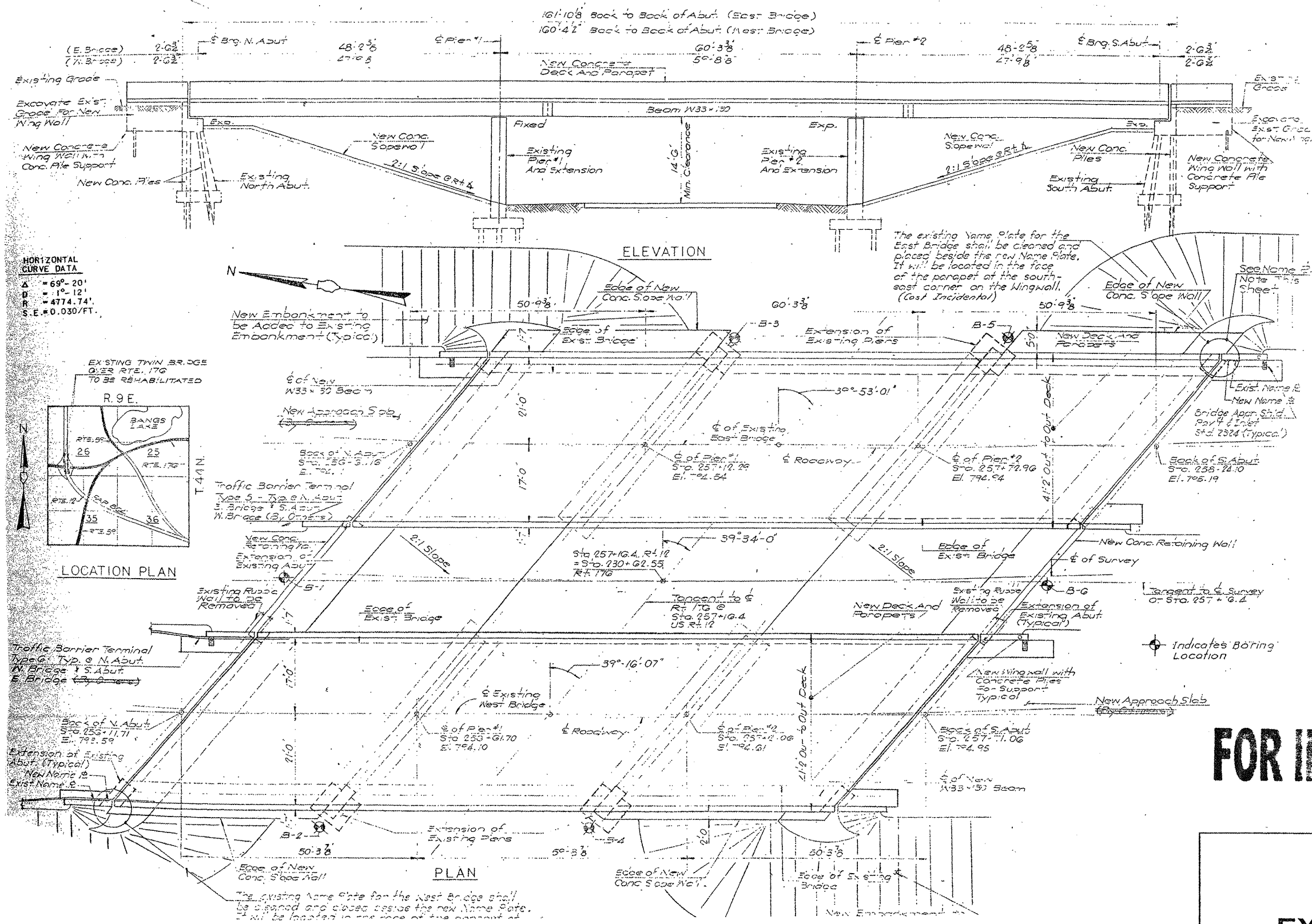
DETAIL OF BRG. AT PIER 2

SHEET 2 OF 2

LOCATION NO. 4  
EXIST. BRIDGE PLANS  
IL 131 OVER EJ&E RR  
SN 049-0012

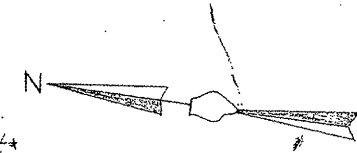
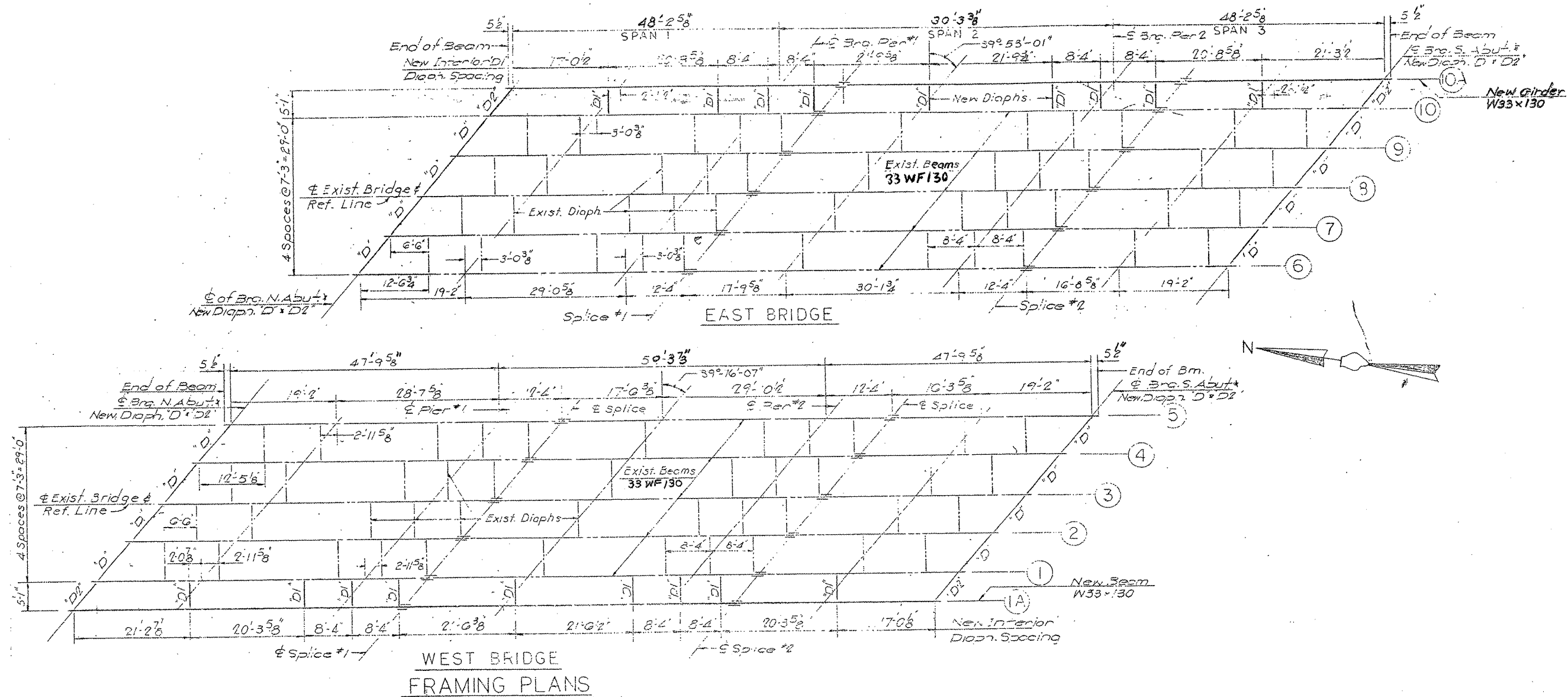
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	29

CONTRACT NO. 60F04



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	30

CONTRACT NO. 60F04



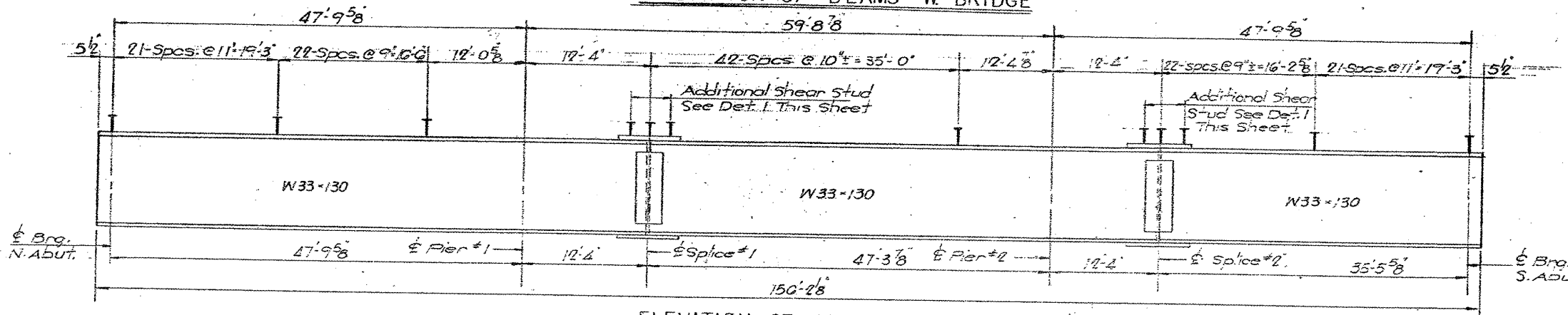
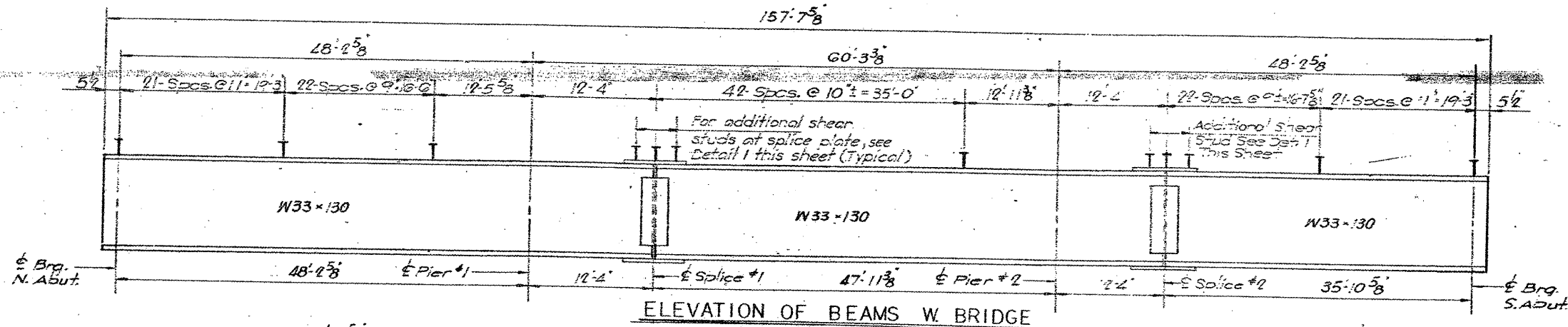
**LOCATION NO. 5**

**EXIST. BRIDGE PLANS**  
**US 12 NB & SB OVER IL 176**  
**SN'S 049-0022, 049-0023**



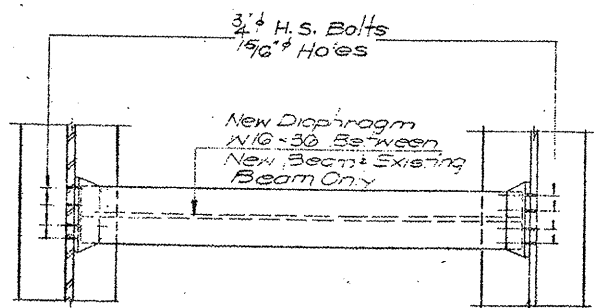
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	31

CONTRACT NO. 60F04

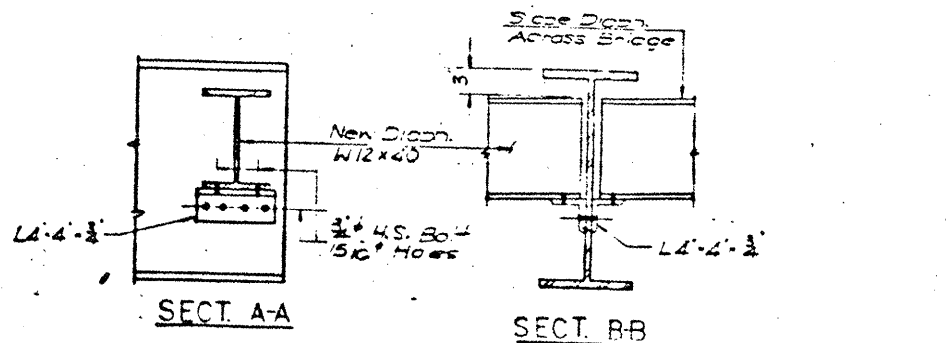


**ELEVATION OF BEAMS E BRIDGE**

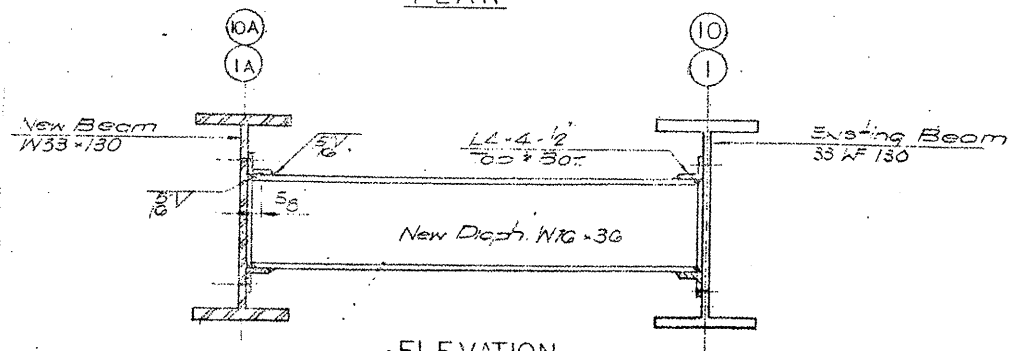
Note: Shear Studs to be Provided on All New and Existing Girders



PLAN



END DIAPHRAGM DETAILS 'D' & 'D2'



ELEVATION

INTERIOR DIAPHRAGM DETAILS "DI"

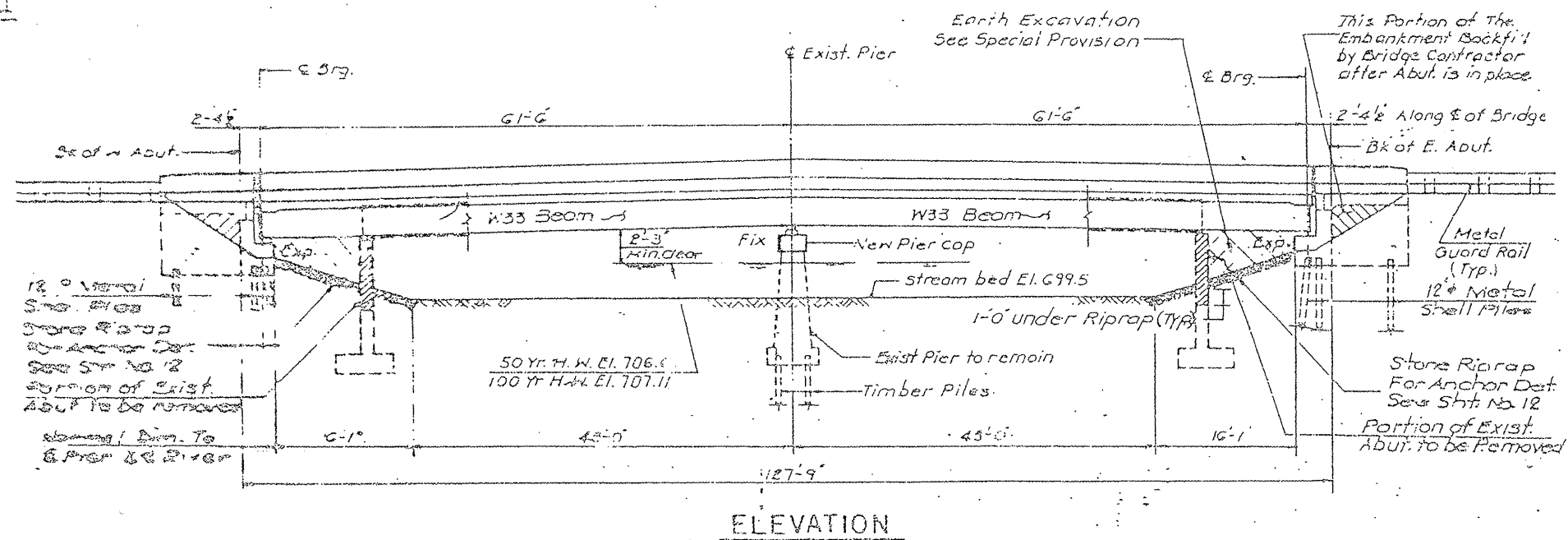
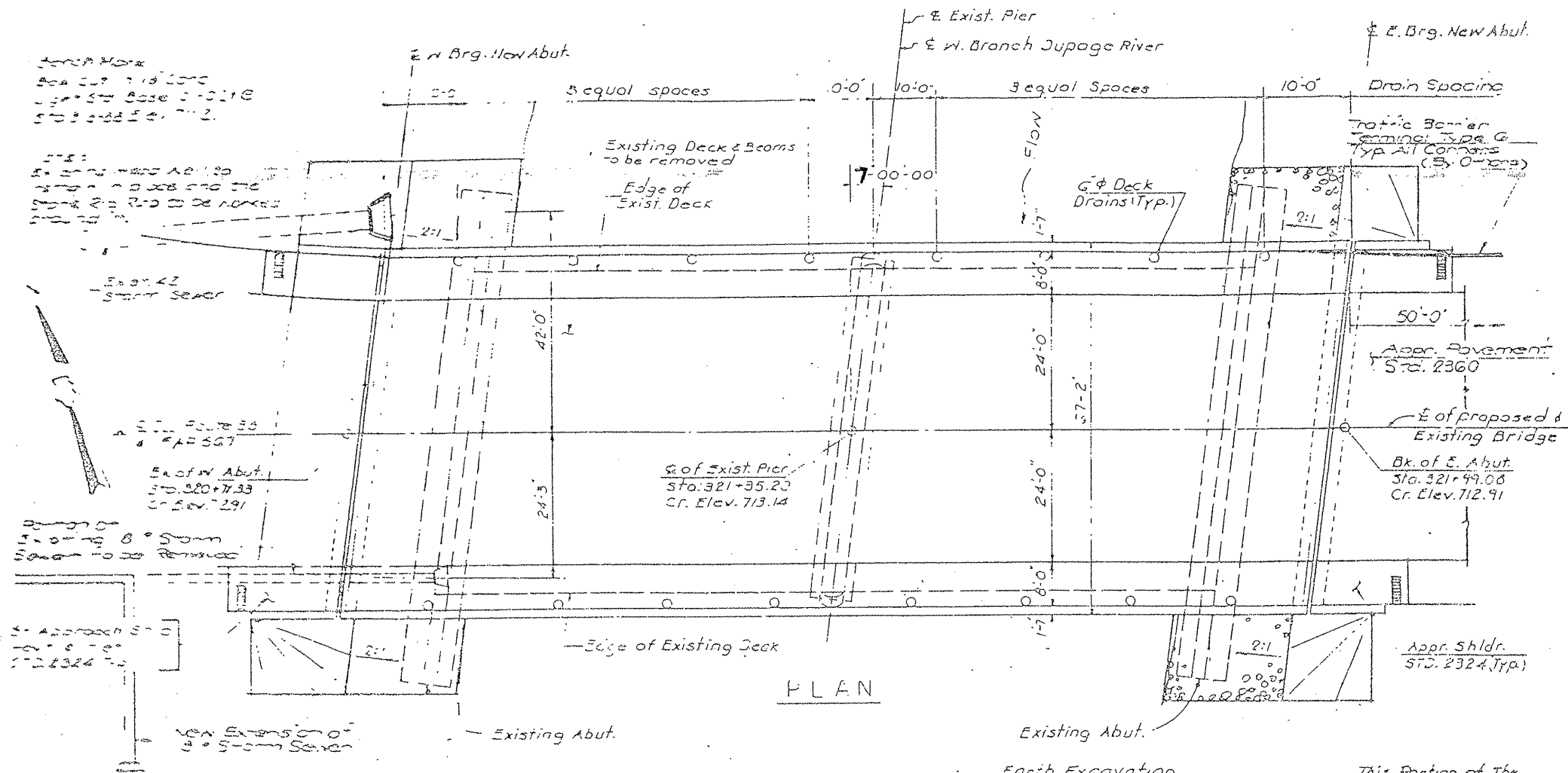
NAKAWATASE, RUTKOWSKI, WYSE & CO. INC.

**LOCATION NO. 5**

**EXIST. BRIDGE PLANS**  
**US 12 NB & SB OVER IL 176**  
**SN'S 049-0022, 049-0023**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	32

CONTRACT NO. 60F04

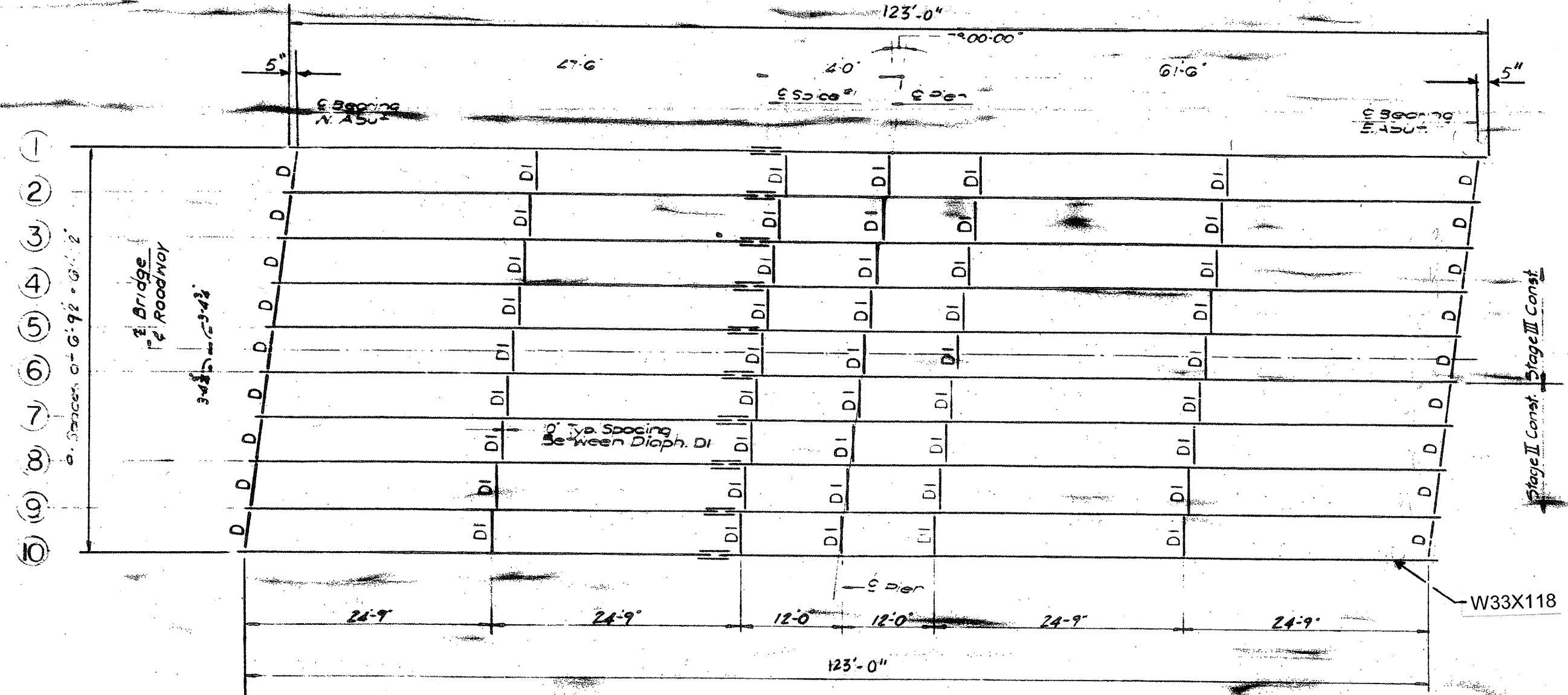
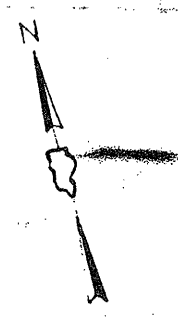


**FOR INFORMATION ONLY**

**LOCATION NO. 6**  
**EXIST. BRIDGE PLANS**  
**IL 38 OVER W. BR. DUPAGE**  
**RIVER SN 022-0022**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	33

CONTRACT NO. 60F04

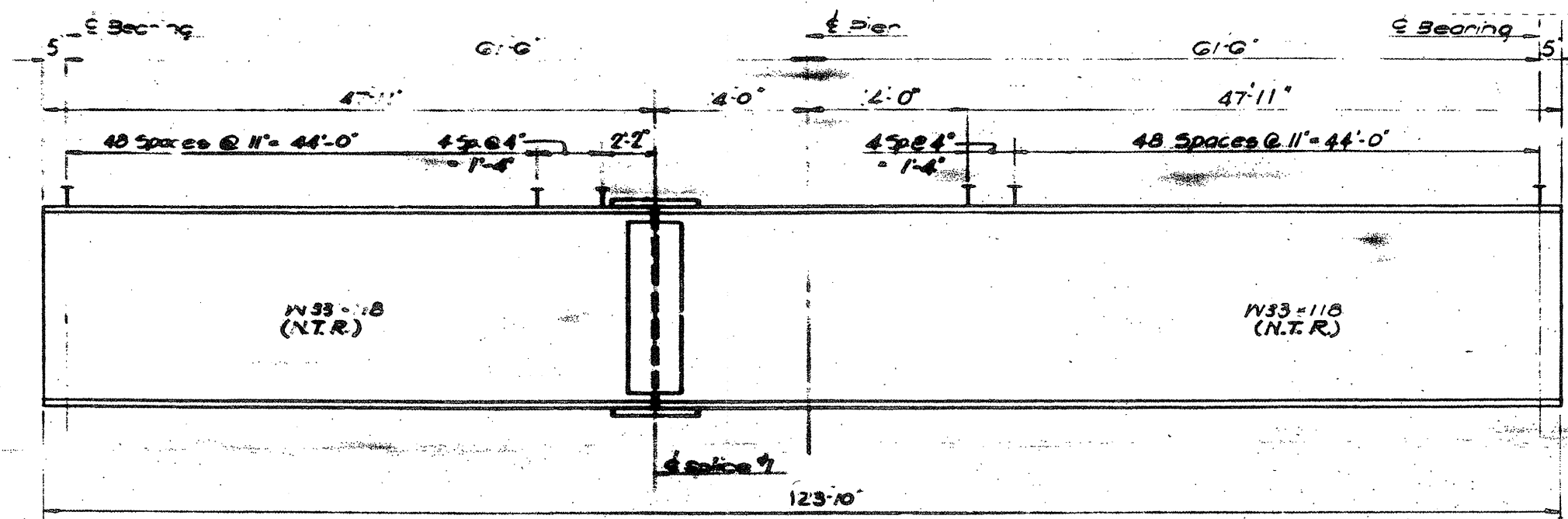


FRAMING PLAN

**LOCATION NO. 6**  
**EXIST. BRIDGE PLANS**  
**IL 38 OVER W. BR. DUPAGE**  
**RIVER SN 022-0022**

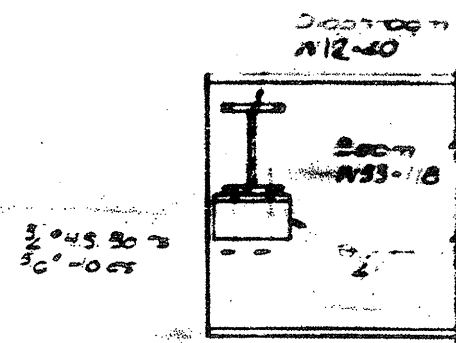
ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 34
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04



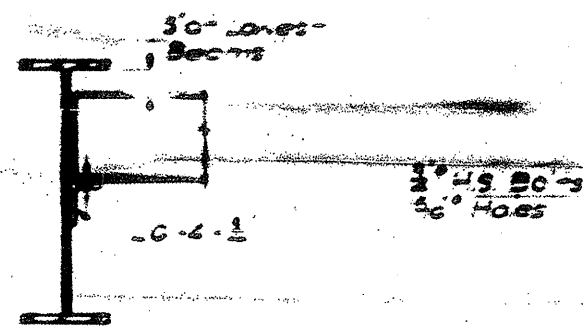
*N.T.R. Denotes: Notch Toughness Requirement*

*NOTE: See sheet # 12 for Splice Detail*



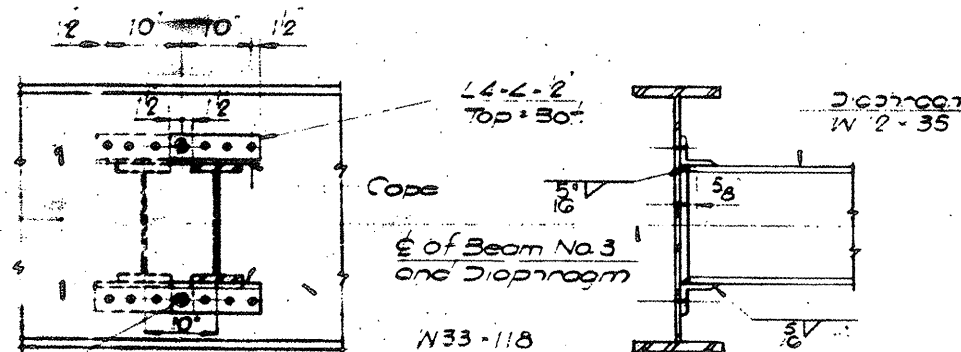
**SECTION**

**DIAPHRAGM D**



**ELEVATION**

*Place cracked bolts on Bm # 6 (const. line) when Stage II diaph. are placed.*



**SECTION**

**DIAPHRAGM DI**

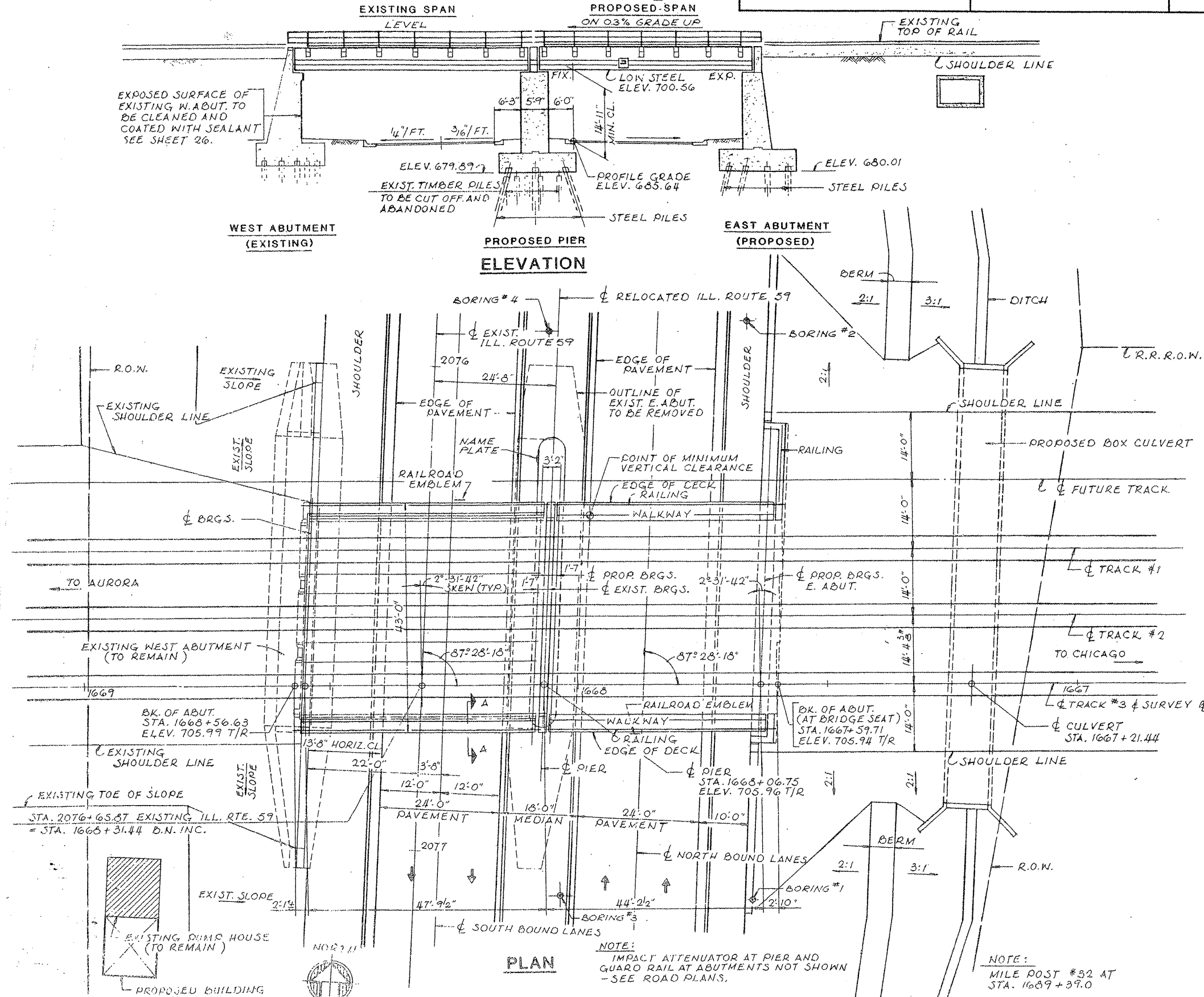
**ELEVATION**

**LOCATION NO. 6**

**EXIST. BRIDGE PLANS  
IL 38 OVER W. BR. DUPAGE  
RIVER SN 022-0022**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 35
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04

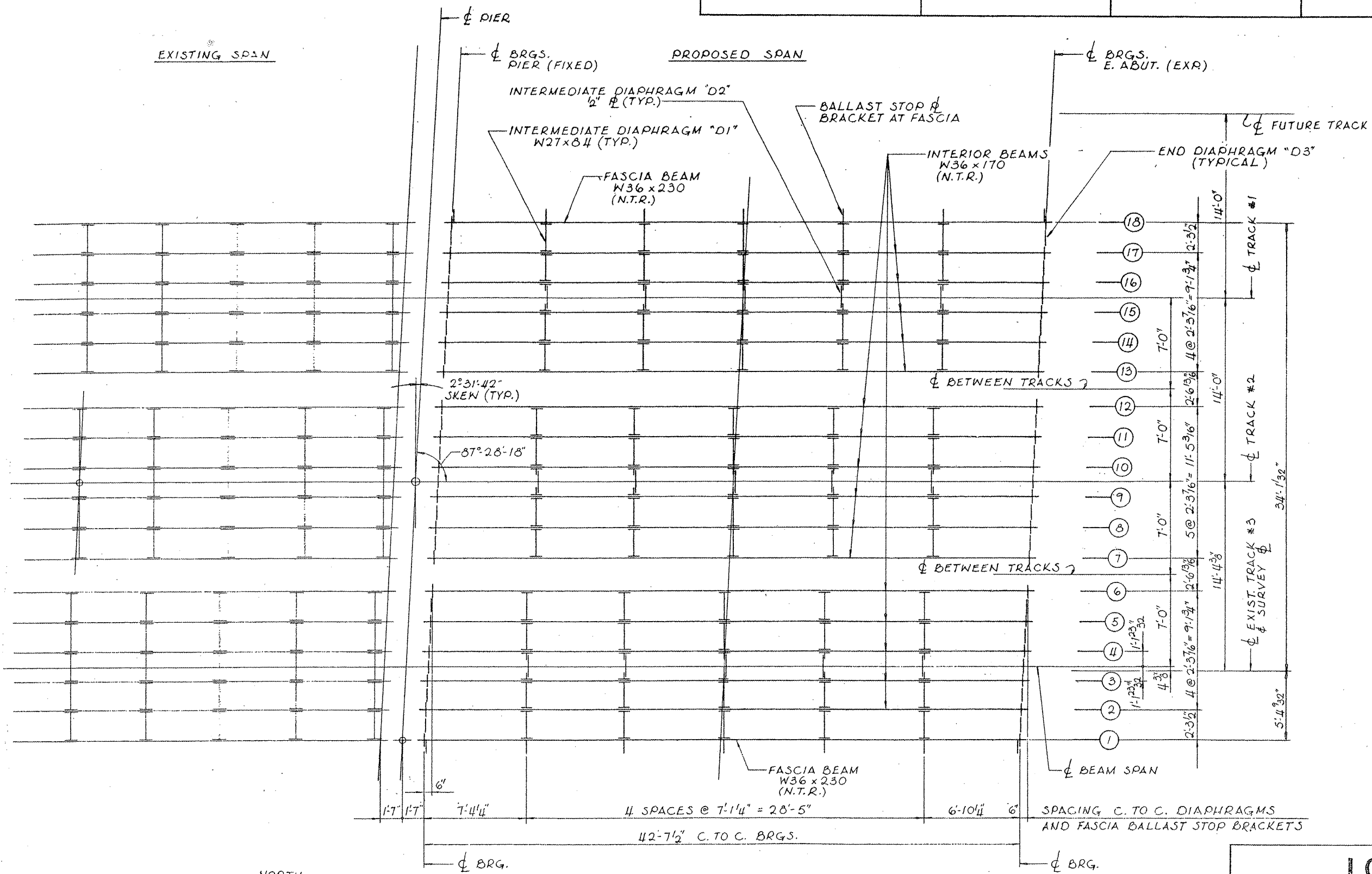


**FOR INFORMATION ONLY**

**LOCATION NO. 7**  
**EXIST. BRIDGE PLANS**  
**BNSF RR OVER IL 59**  
**SN 022-0038**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	36

CONTRACT NO. 60F04



FOR DETAILS OF "EXISTING SPAN," SEE SHEETS 36a and 36b.  
 FOR DETAILS OF "PROPOSED SPAN," SEE SHEET 37.

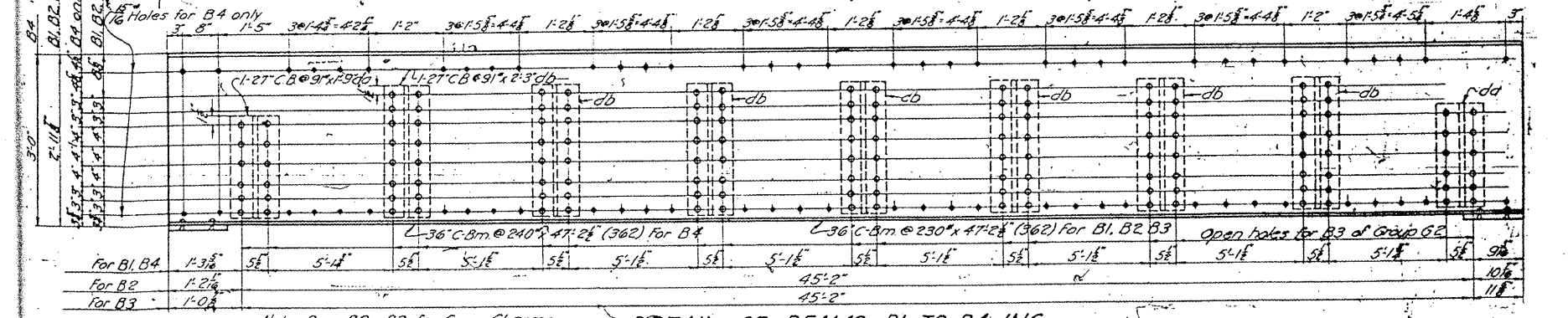
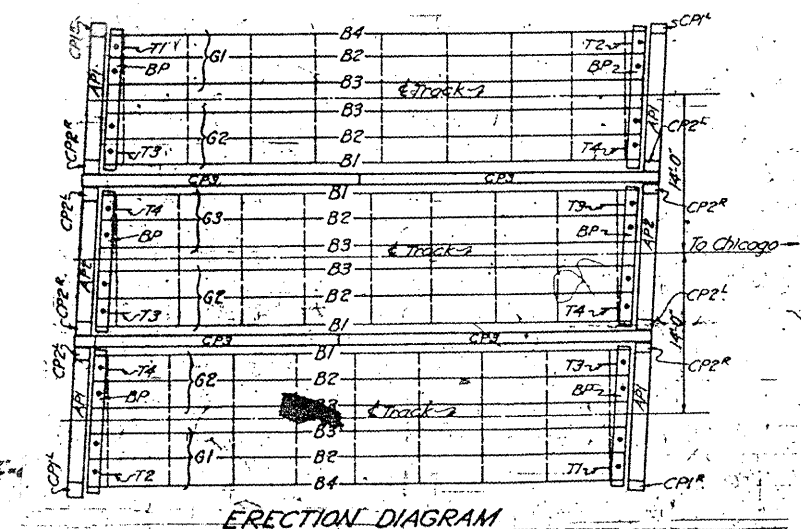
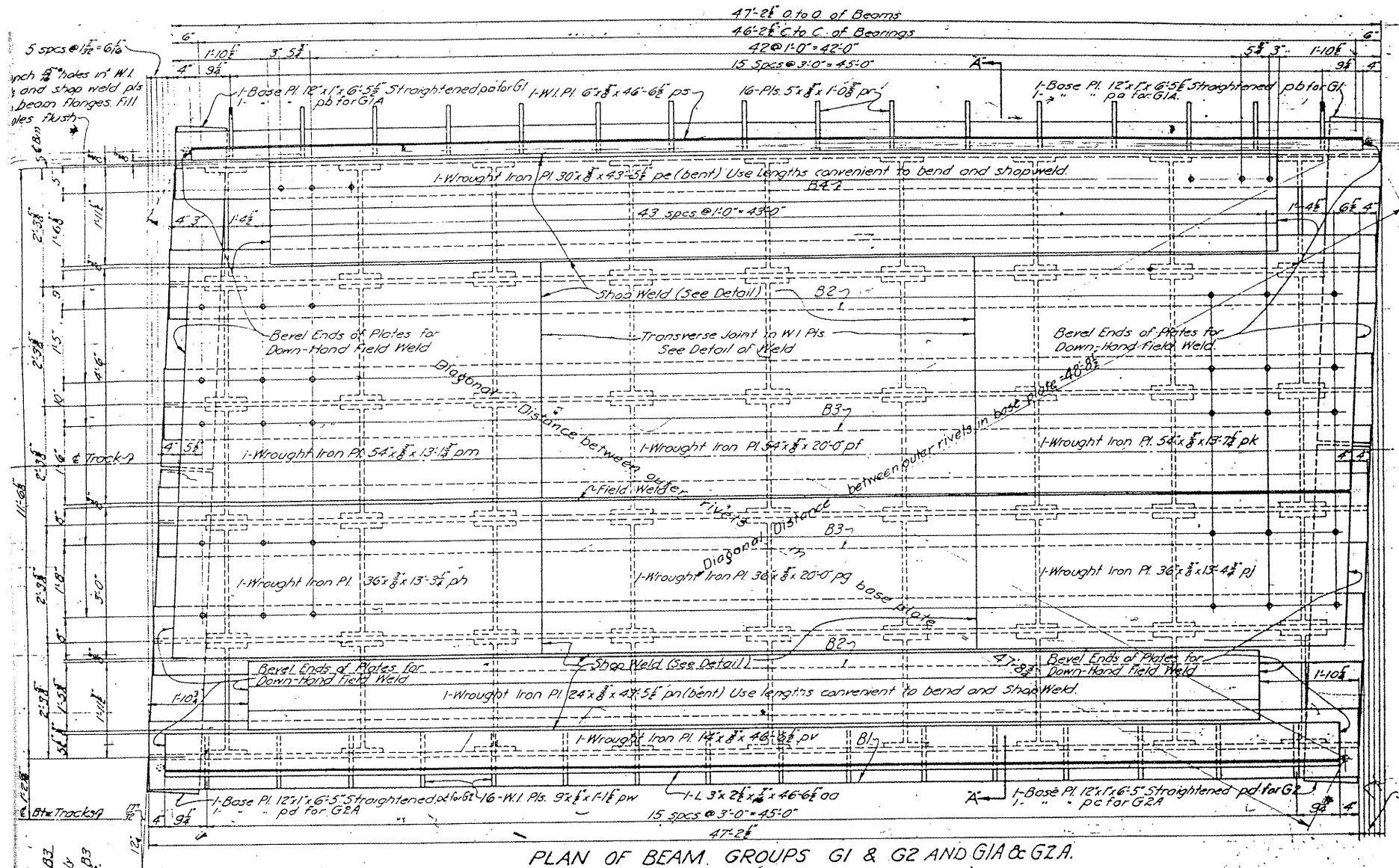
**FRAMING PLAN**  
 (SPAN 2)

SHEET 2 OF 3

**LOCATION NO. 7**  
**EXIST. BRIDGE PLANS**  
**BNSF RR OVER IL 59**  
**SN 022-0038**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 36A
------------------	------------------------	-------------------	-----------------------	------------------------

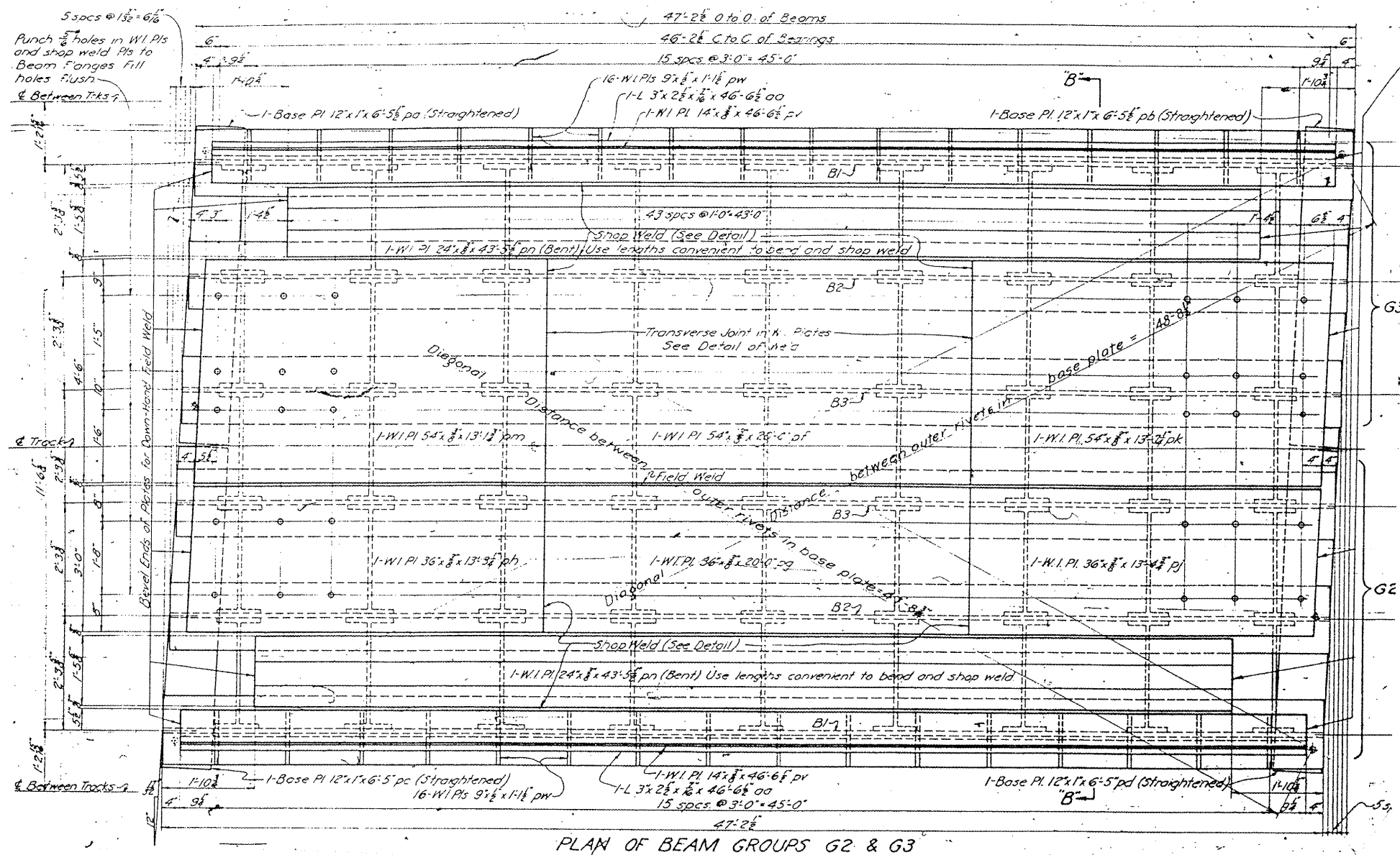
CONTRACT NO. 60F04



**LOCATION NO. 7**  
  
**EXIST. BRIDGE PLANS**  
**BNSF RR OVER IL 59**  
**SN 022-0038**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	368

CONTRACT NO. 60F04



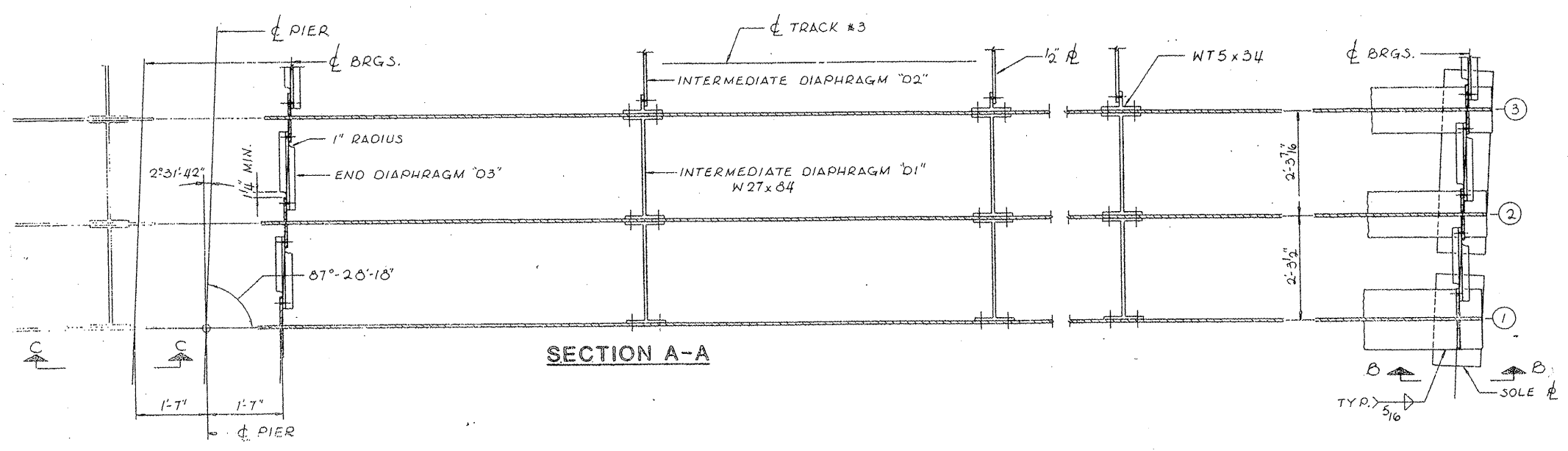
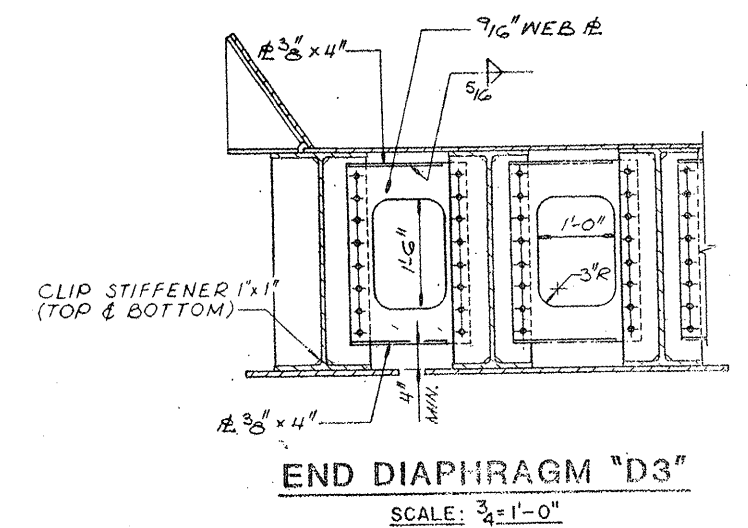
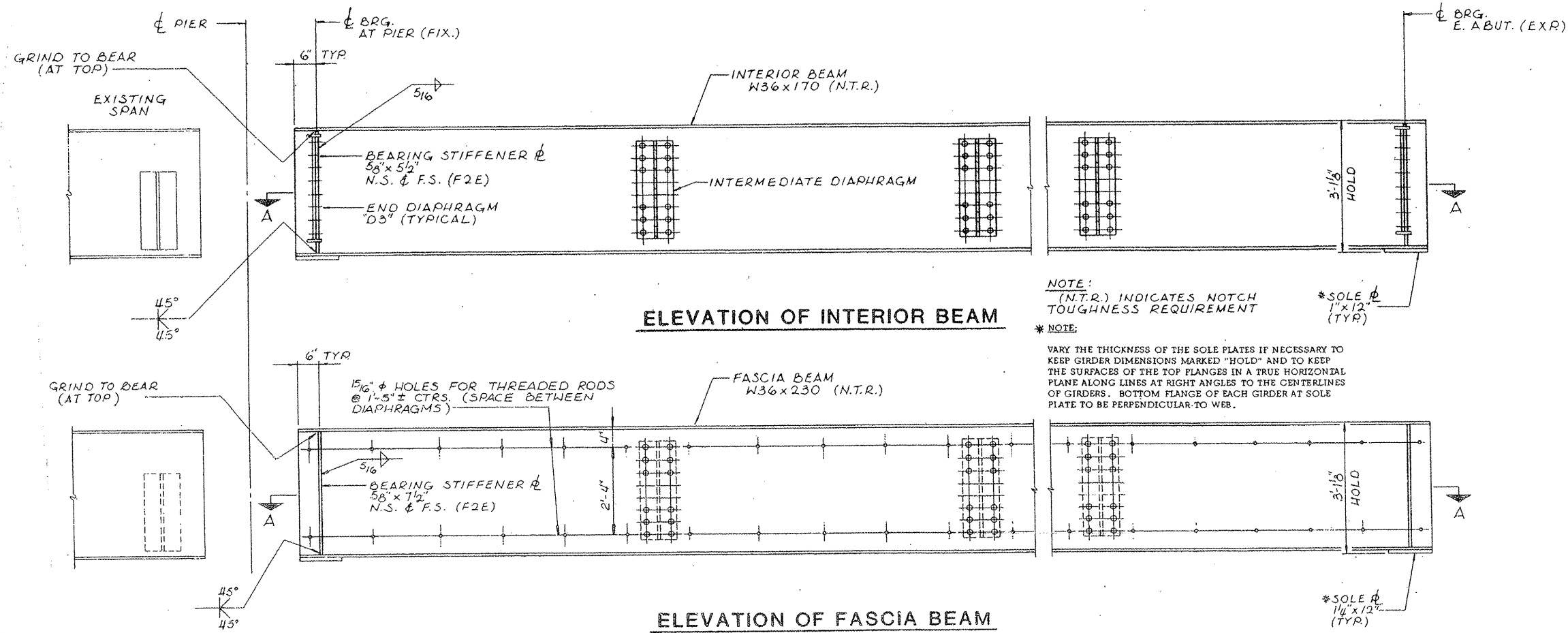
**LOCATION NO. 7**

**EXIST. BRIDGE PLANS  
BNSF RR OVER IL 59  
SN 022-0038**



ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 37
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04



**LOCATION NO. 7**

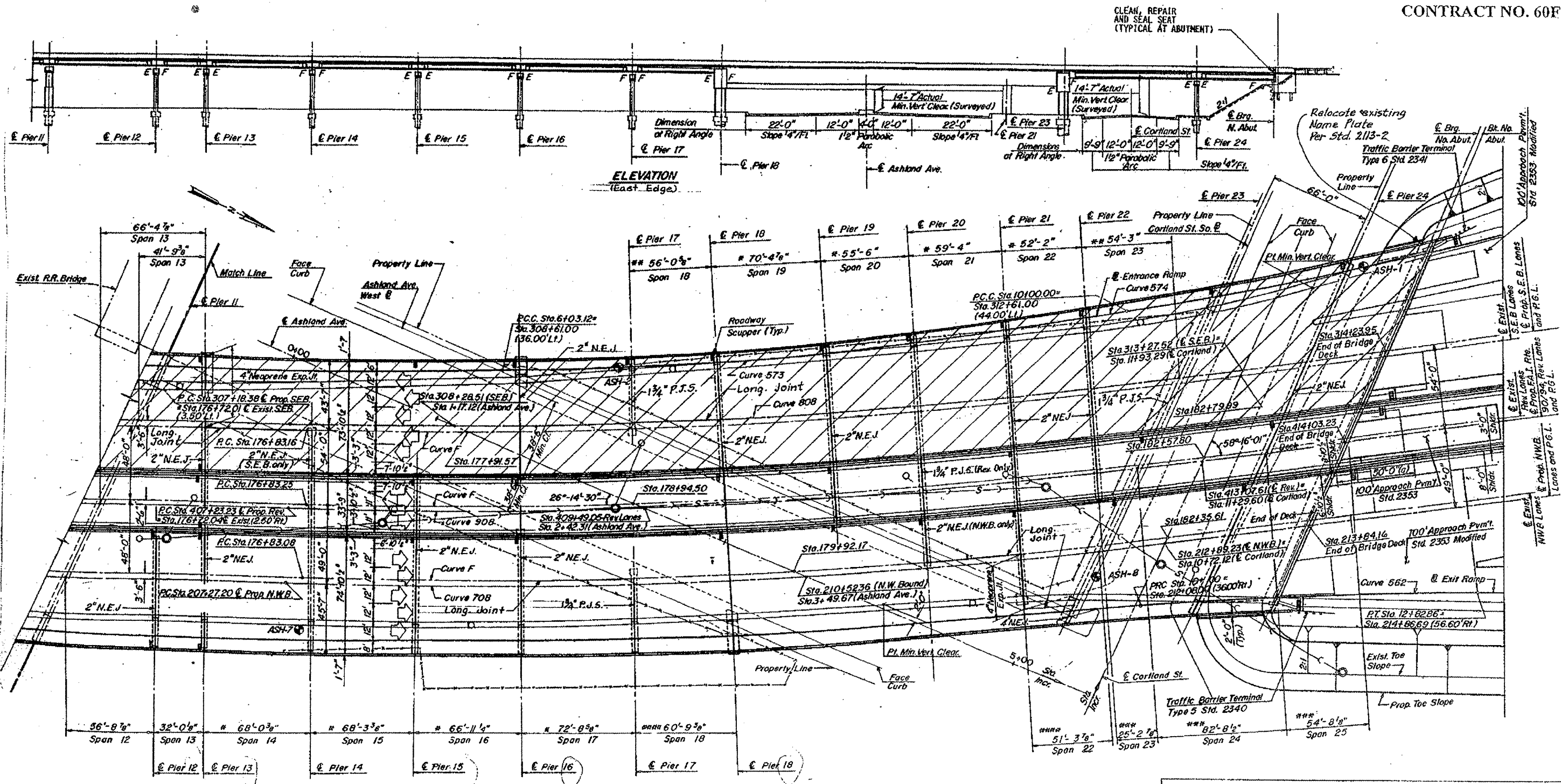
**EXIST. BRIDGE PLANS**

**BNSF RR OVER IL 59**

**SN 022-0038**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	38

CONTRACT NO. 60F04



ELEVATION  
(East Edge)

PLAN

\* Measured at Rt. Angles to  $\bar{C}$  Substructure  
 \*\* Measured along  $\bar{C}$  S.E. Bound Lanes  
 \*\*\* Measured along  $\bar{C}$  Reversible Lanes  
 \*\*\*\* Measured along  $\bar{C}$  N.W. Bound Lanes

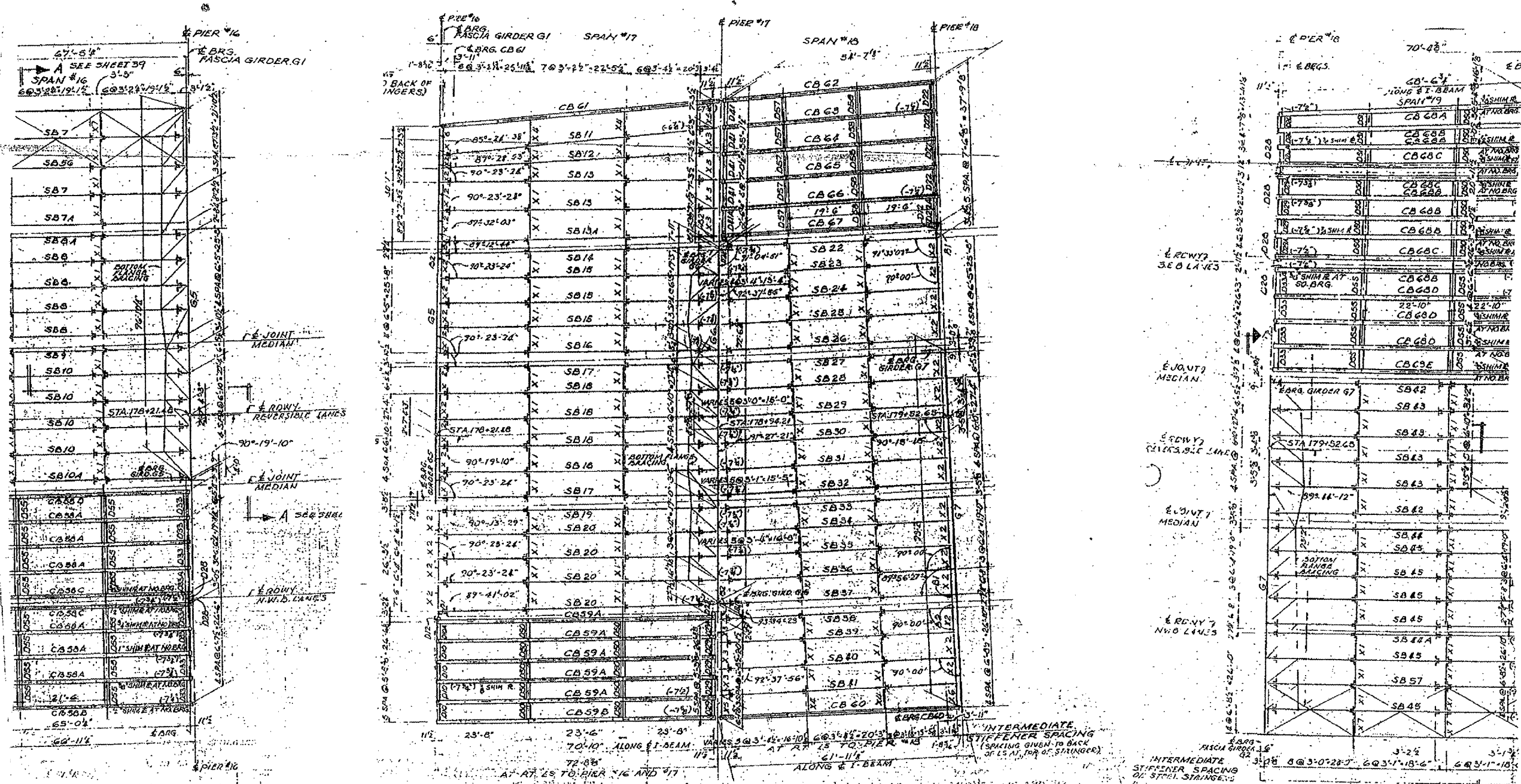
**FOR INFORMATION ONLY**

SHEET 1 OF 4

**LOCATION NO. 8**  
**EXIST. BRIDGE PLANS**  
**I-90/94 OVER ASHLAND AVE.**  
**SN 016-0133**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 39
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



FRAMING PLAN  
SPANS # 17 & 18  
SCALE: 3/8" = 1'-0"

NOTE: PIER #16 IS PARALLEL TO PIER #17

SCALE OF TRACING: 1/4" = 1'-0"

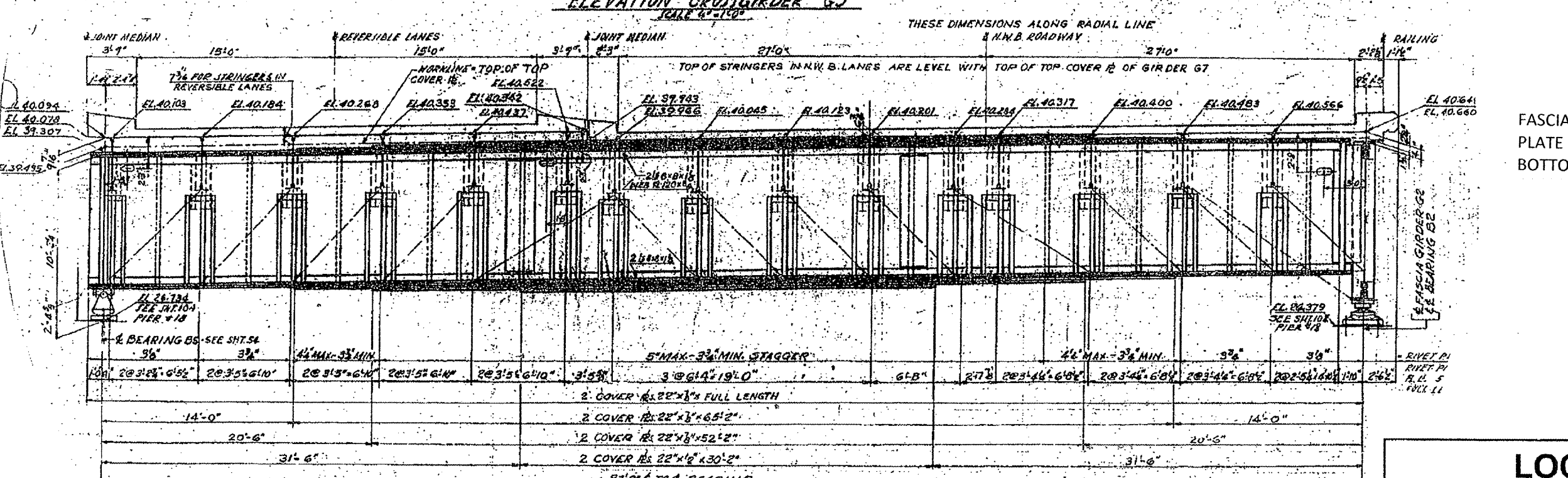
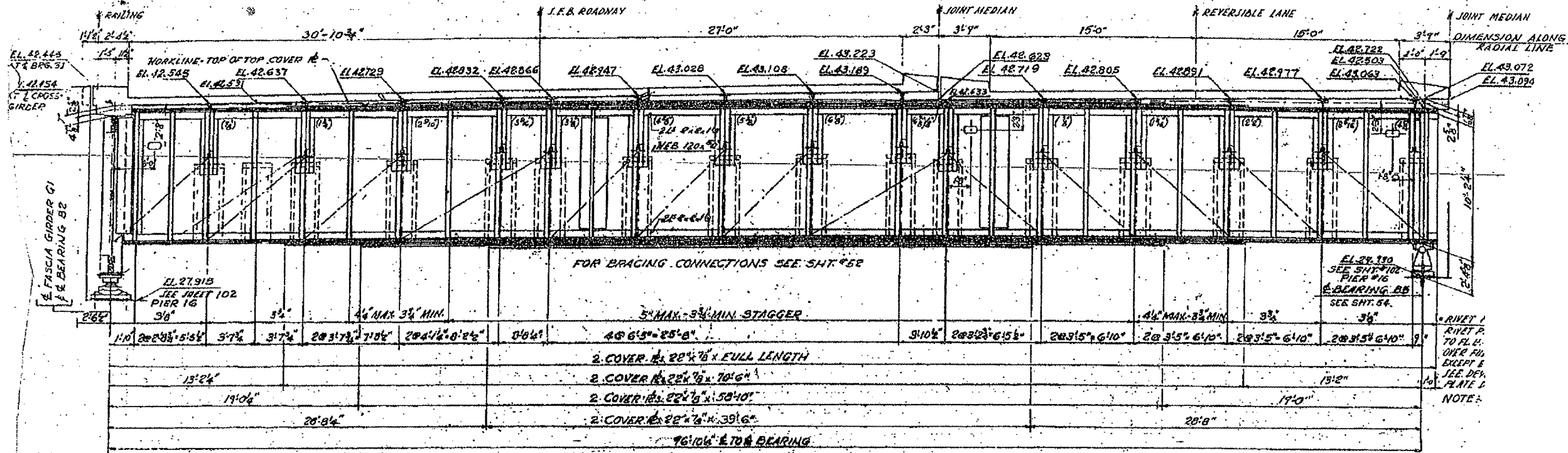
**LOCATION NO. 8**

**EXIST. BRIDGE PLANS**  
**I-90/94 OVER ASHLAND AVE.**  
**SN 016-0133**



ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 40A
------------------	------------------------	-------------------	--------------------	---------------------

CONTRACT NO. 60F04

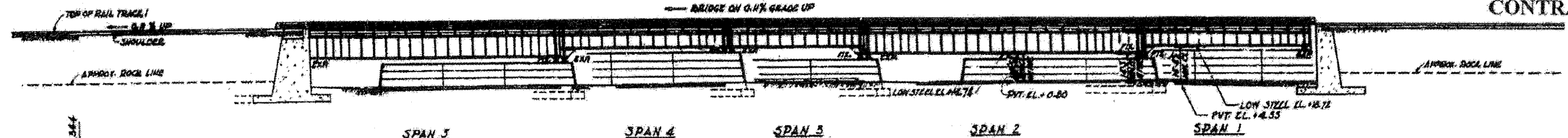


FASCIA GIRDERS G1 AND G2 ARE 144" DEEP PLATE GIRDERS WITH 24" WIDE TOP AND BOTTOM FLANGES

**LOCATION NO. 8**  
**EXIST. BRIDGE PLANS**  
**I-90/94 OVER ASHLAND AVE.**  
**SN 016-0133**

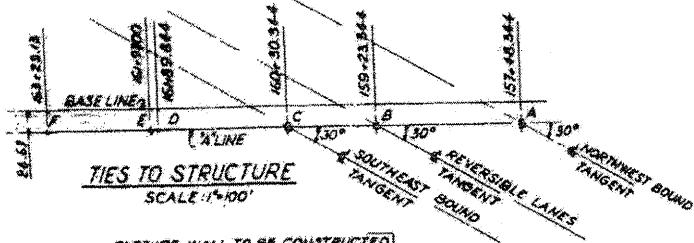
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	41

CONTRACT NO. 60F04



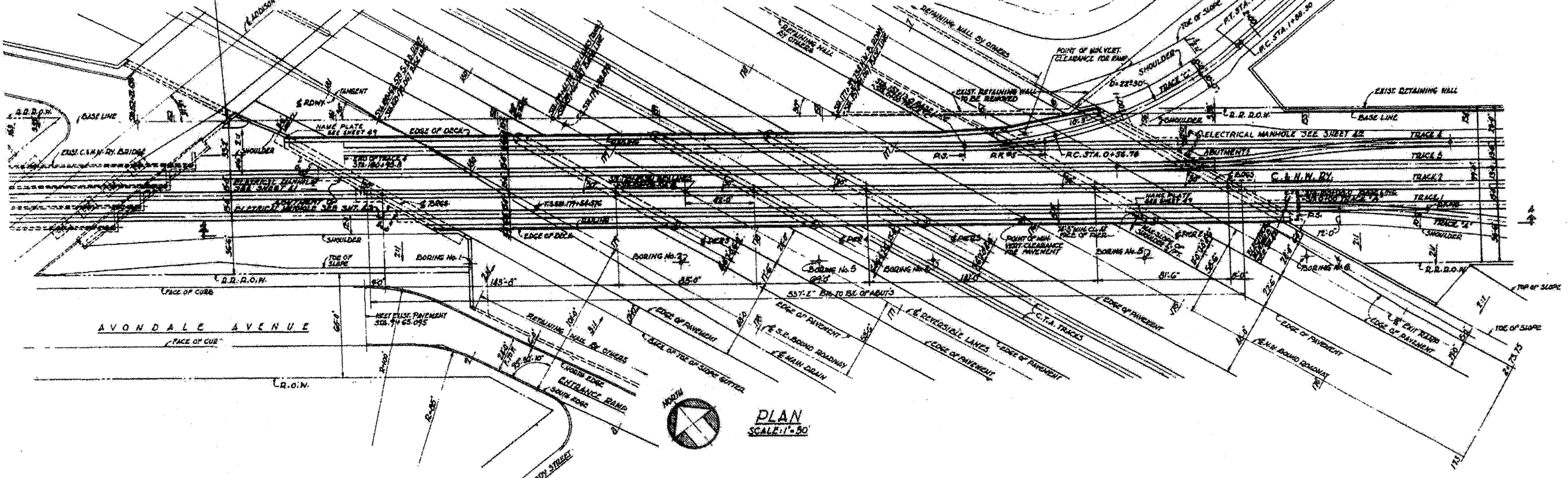
ELEVATION A-A  
SCALE: 1"=30'

- A AND C - 2x4 YELLOW STAKES WITH TACK
- B - 1/4" x 1/4" YELLOW STAKE WITH TACK
- D - NAIL IN 1/2" x 1/4" BEAM
- E - NOTCHED CROSS IN TOP OF RR BRIDGE ABUTMENT
- F - CENTER NAIL OF SNAILS ON 4x8 PLANKING FOR PLATFORM

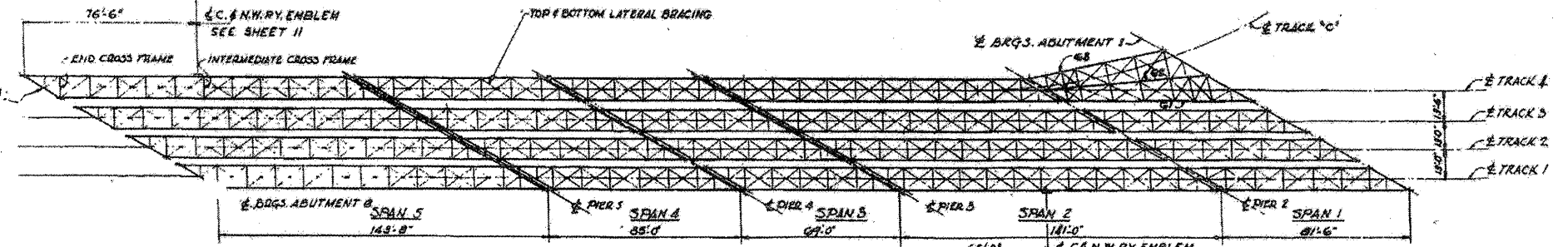


TIES TO STRUCTURE  
SCALE: 1"=100'

CLOSURE WALL TO BE CONSTRUCTED BY CONTRACTOR FOR THIS BRIDGE FOR DETAIL SEE SECTION M-M SHEET 47.



PLAN  
SCALE: 1"=30'



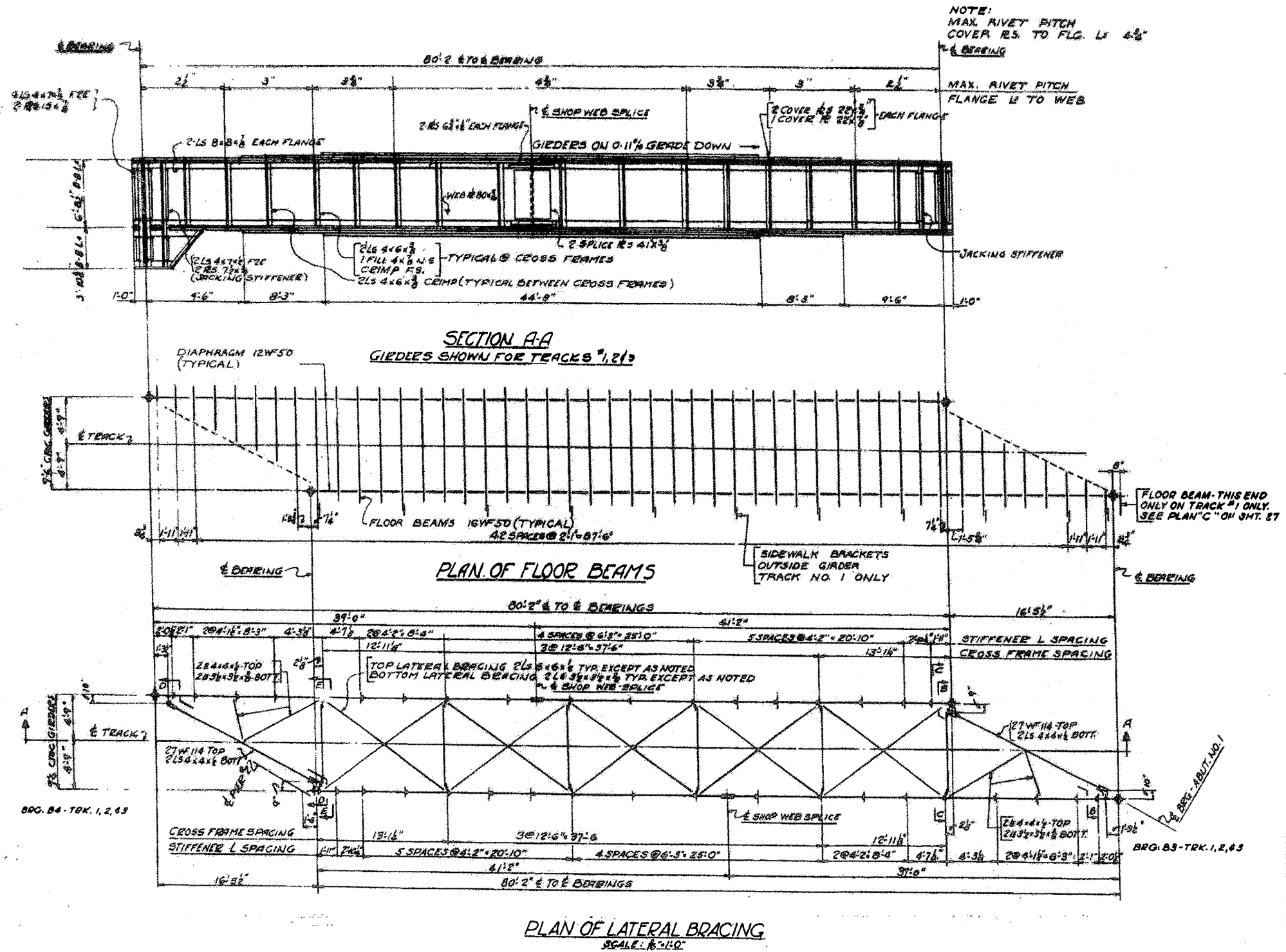
STEEL FRAMING PLAN  
SCALE: 1"=30'

SHEET 1 OF 6

**LOCATION NO. 9**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-90/94 & CTA**  
**SN 016-0119**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	42

CONTRACT NO. 60F04

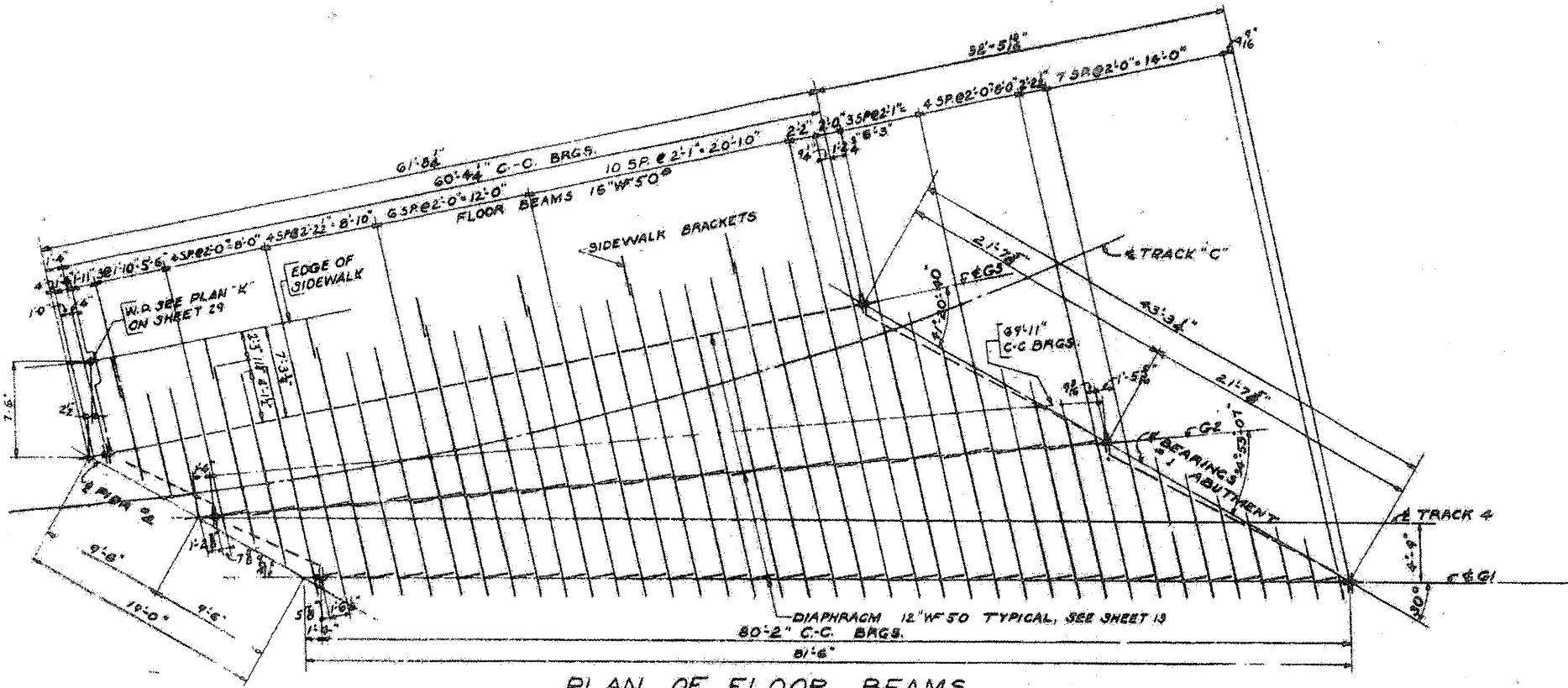


**LOCATION NO. 9**

**EXIST. BRIDGE PLANS  
UP RR OVER I-90/94 & CTA  
SN 016-0119**

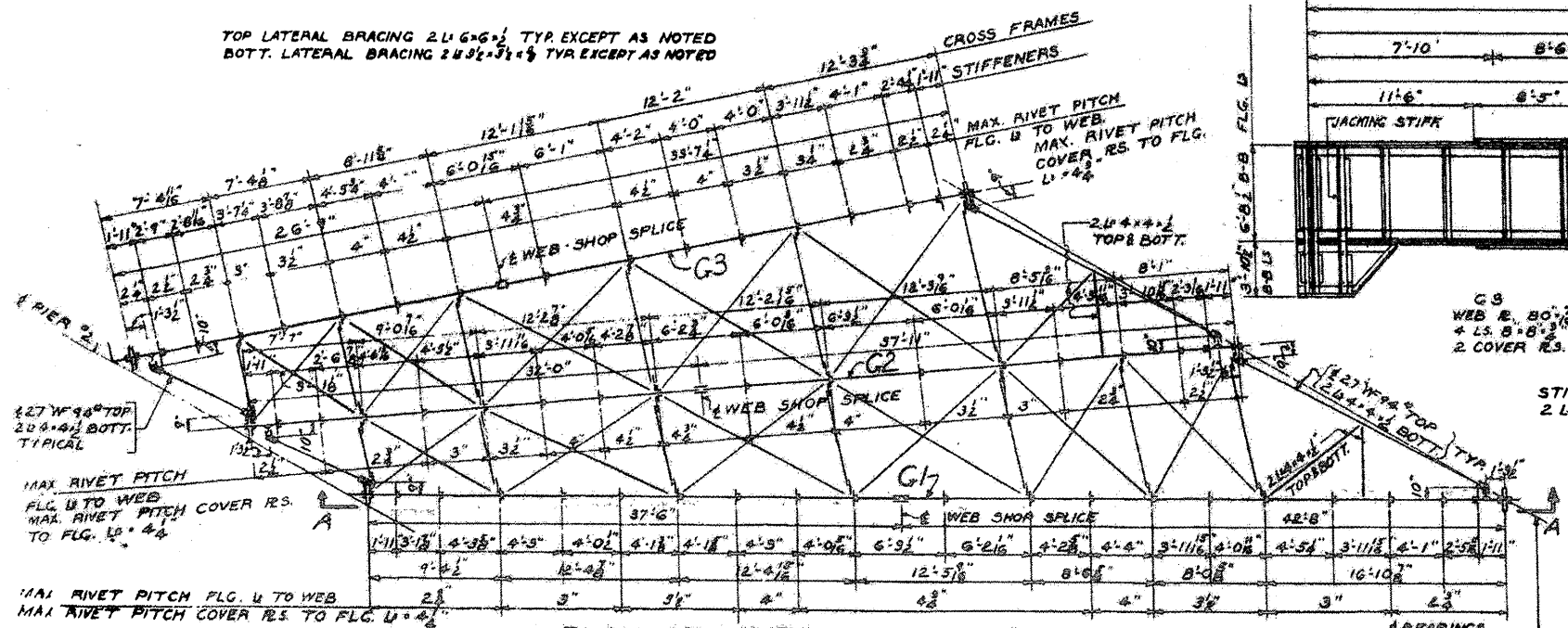
ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 43
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04

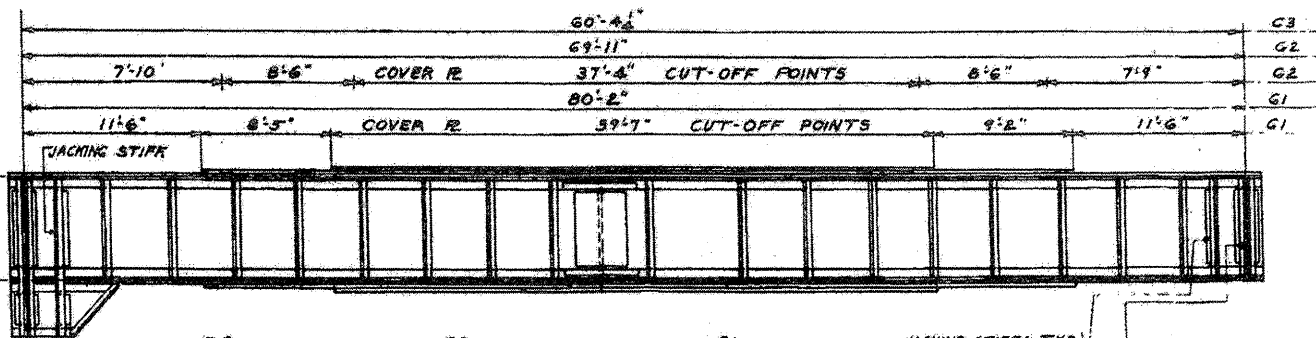


PLAN OF FLOOR BEAMS

TOP LATERAL BRACING 2 L 4x6 3/8 TYP EXCEPT AS NOTED  
 BOT. LATERAL BRACING 2 L 4x6 3/8 TYP EXCEPT AS NOTED



PLAN OF LATERAL BRACING



G3  
WEB R. 80x2  
4 L3. 8x8 3/4  
2 COVER RS. 20x4

G2  
WEB R. 80x2  
4 L3. 8x8 3/4  
4 COVER RS. 20x4  
2 COVER RS. 20x4

G1  
WEB R. 80x1 1/2  
4 L3. 8x8 3/4  
4 COVER RS. 20x4  
2 COVER RS. 20x4

JACKING STIFFS. TYP.  
2 L 4x7 1/2 F2E  
2 FILL RS. 15x4

END STIFFS TYP.  
4 L 4x7 1/2 F2E  
2 FILL RS. 15x4

STIFFS BETWEEN X-FRAMES  
2 L 4x6 3/8 CRIMPED

STIFFS @ X-FRAMES  
1 L 4x6 3/8 CRIMPED N.S.  
1 L 4x6 3/8 FS.  
1 FILL R. 4x4 F.S.

ELEV. A-A  
GIRDER G1 SHOWN  
GIRDERS G2 & G3 SIMILAR EXCEPT AS NOTED  
SCALE: 3/16"=1'-0"

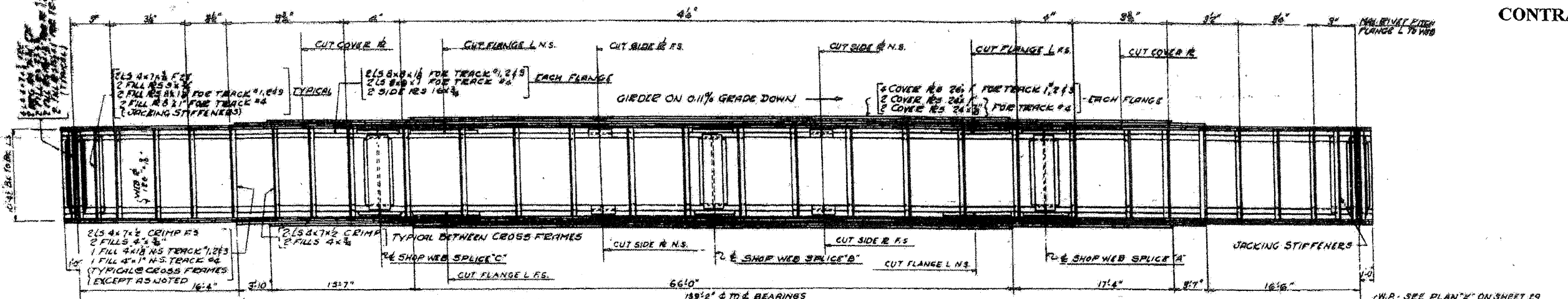
**LOCATION NO. 9**

**EXIST. BRIDGE PLANS  
UP RR OVER I-90/94 & CTA  
SN 016-0119**

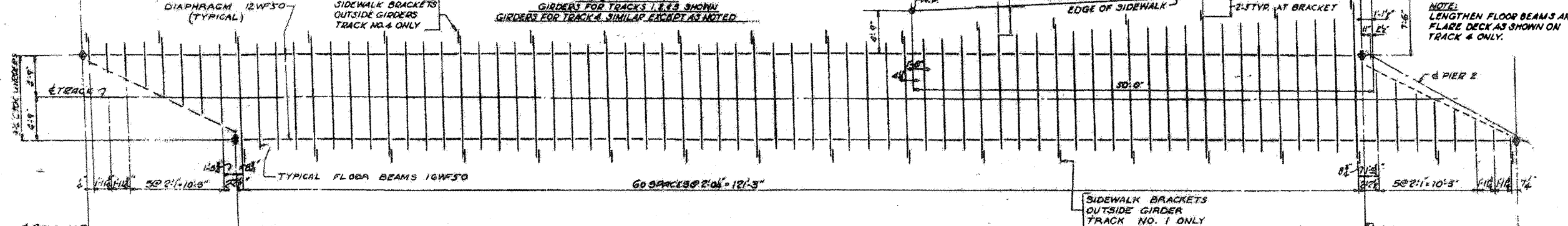


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	44

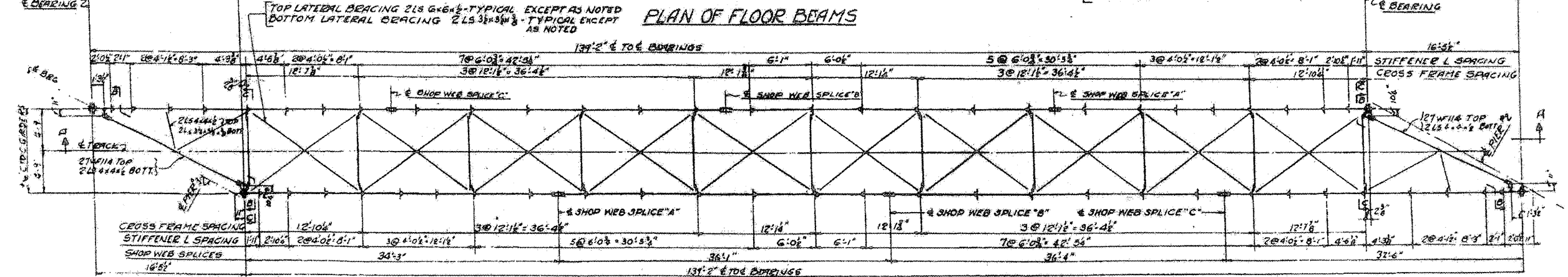
CONTRACT NO. 60F04



**SECTION A-A**



**PLAN OF FLOOR BEAMS**



**PLAN OF LATERAL BRACING**  
SCALE: 1/4" = 1'-0"

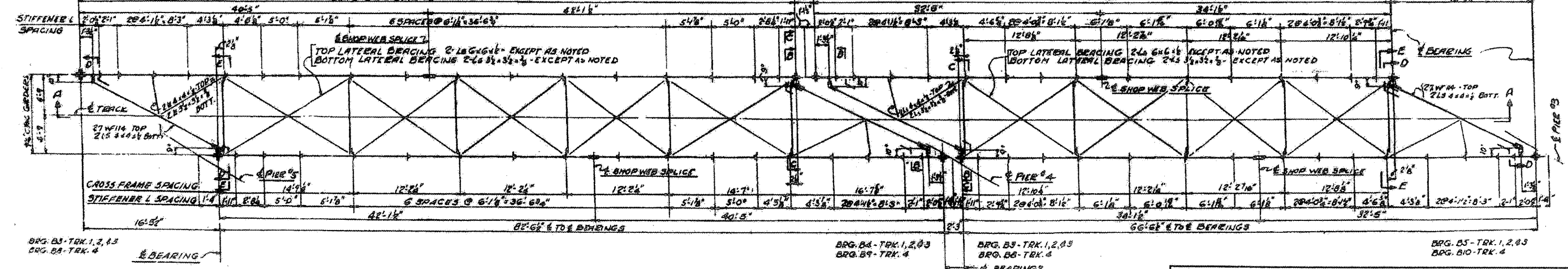
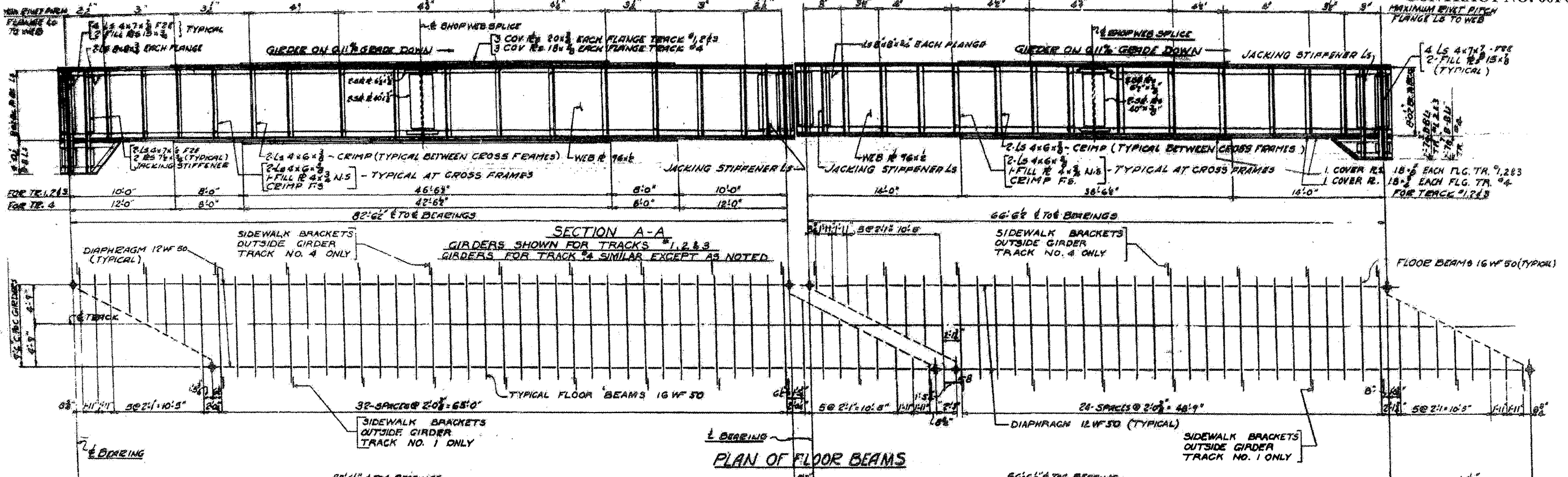
**LOCATION NO. 9**

**EXIST. BRIDGE PLANS  
UP RR OVER I-90/94 & CTA  
SN 016-0119**

BGC 01 - TRK. 1, 2, & 3  
BGC 06 - TRK. 4

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	45

CONTRACT NO. 60F04



SPAN #4

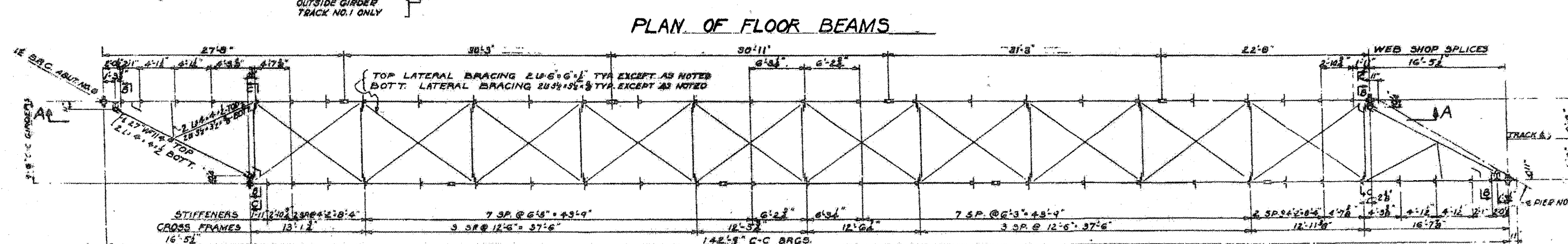
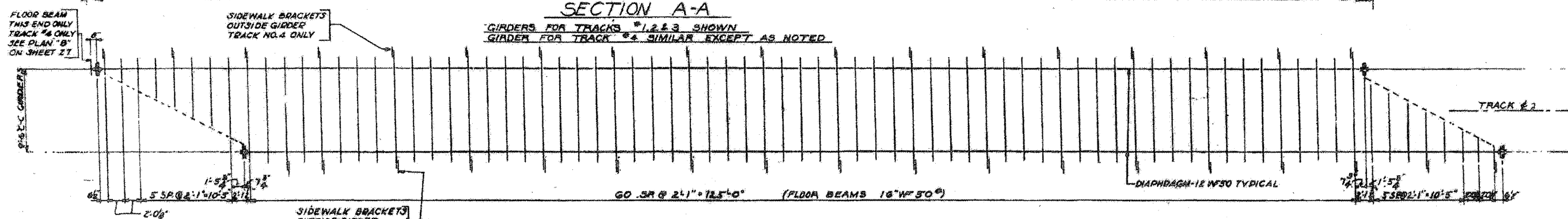
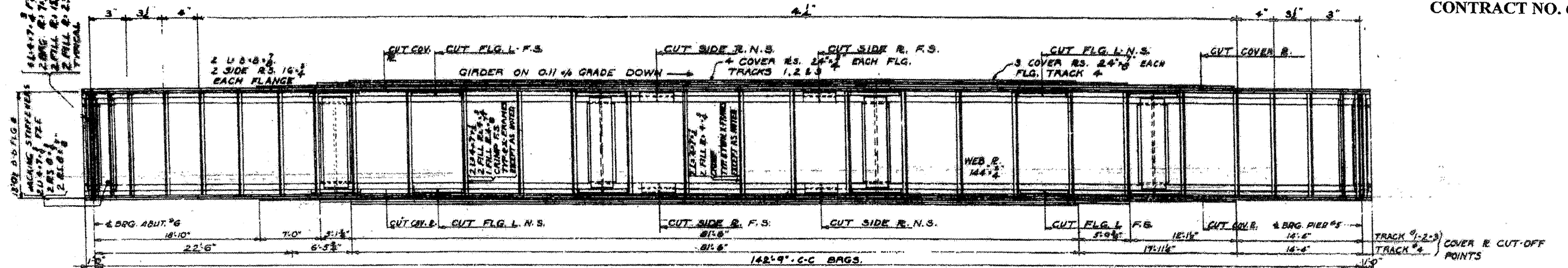
SPAN #3

PLAN OF LATERAL BRACING  
SCALE: 1/4"=1'-0"

**LOCATION NO. 9**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-90/94 & CTA**  
**SN 016-0119**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 46
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



NOTE:  
GIRDERS ARE SYMMETRICAL  
BY ROTATION EXCEPT AS NOTED.

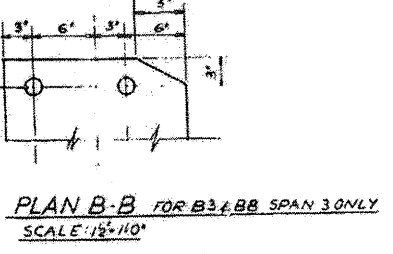
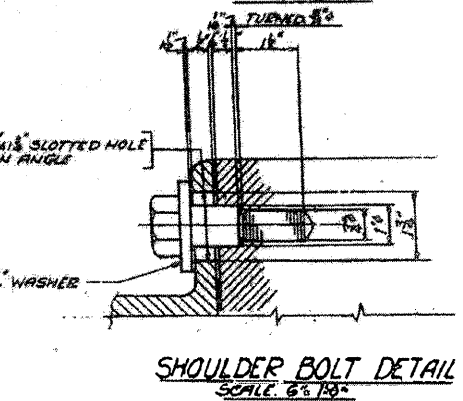
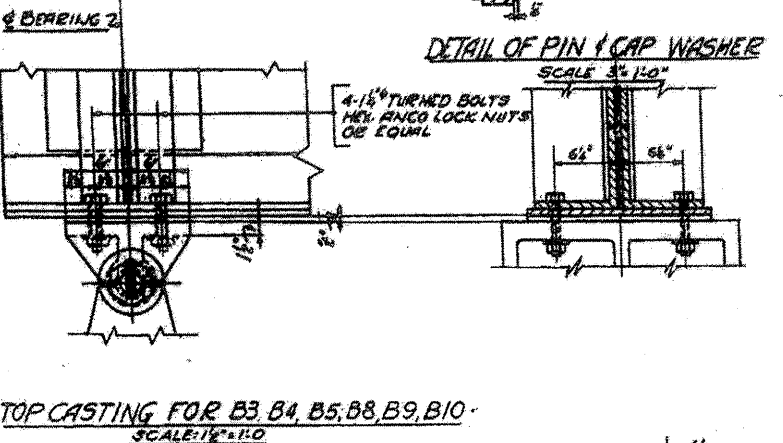
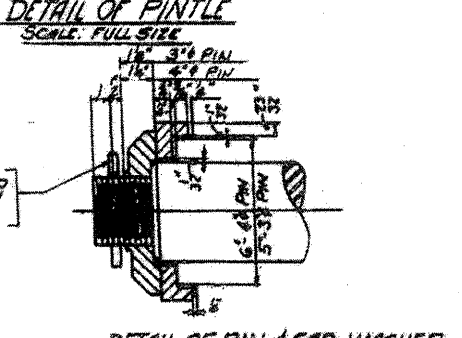
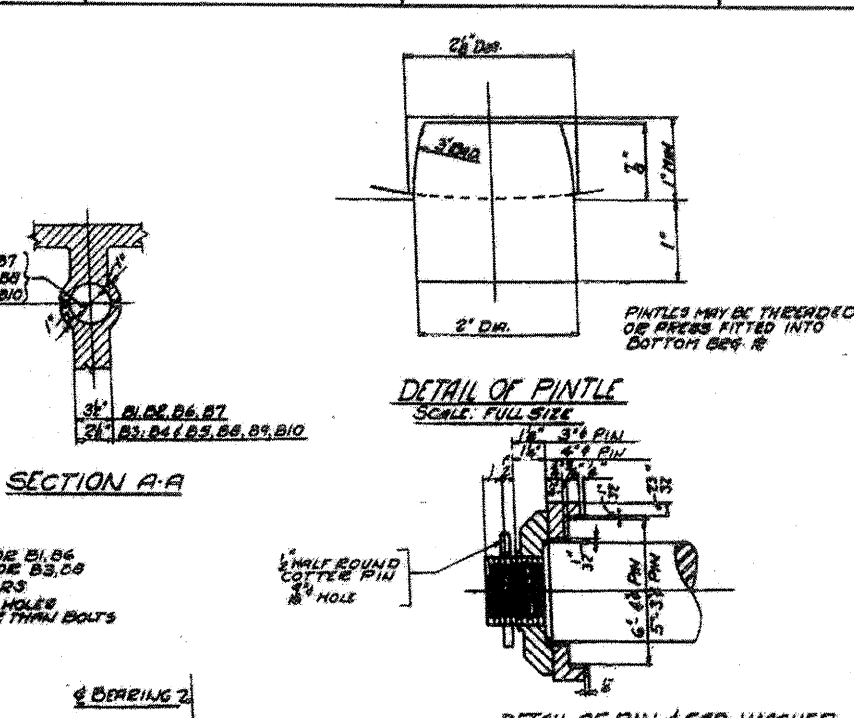
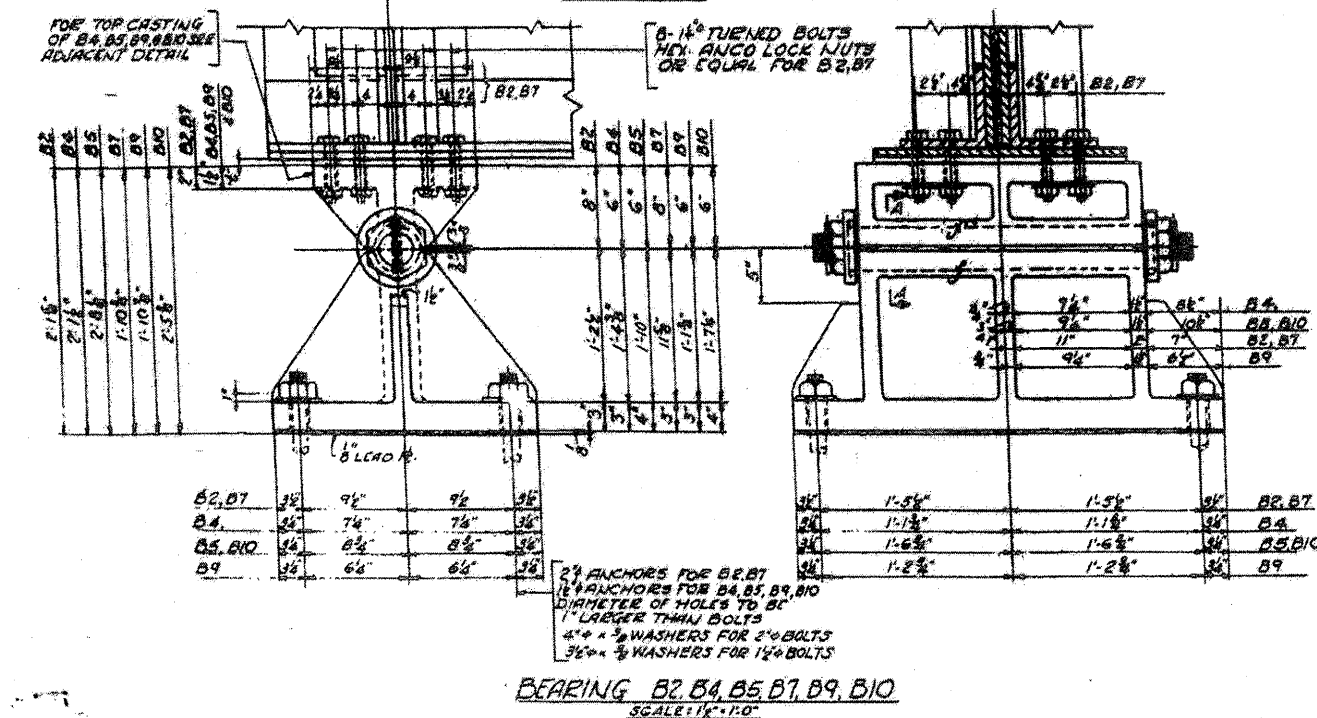
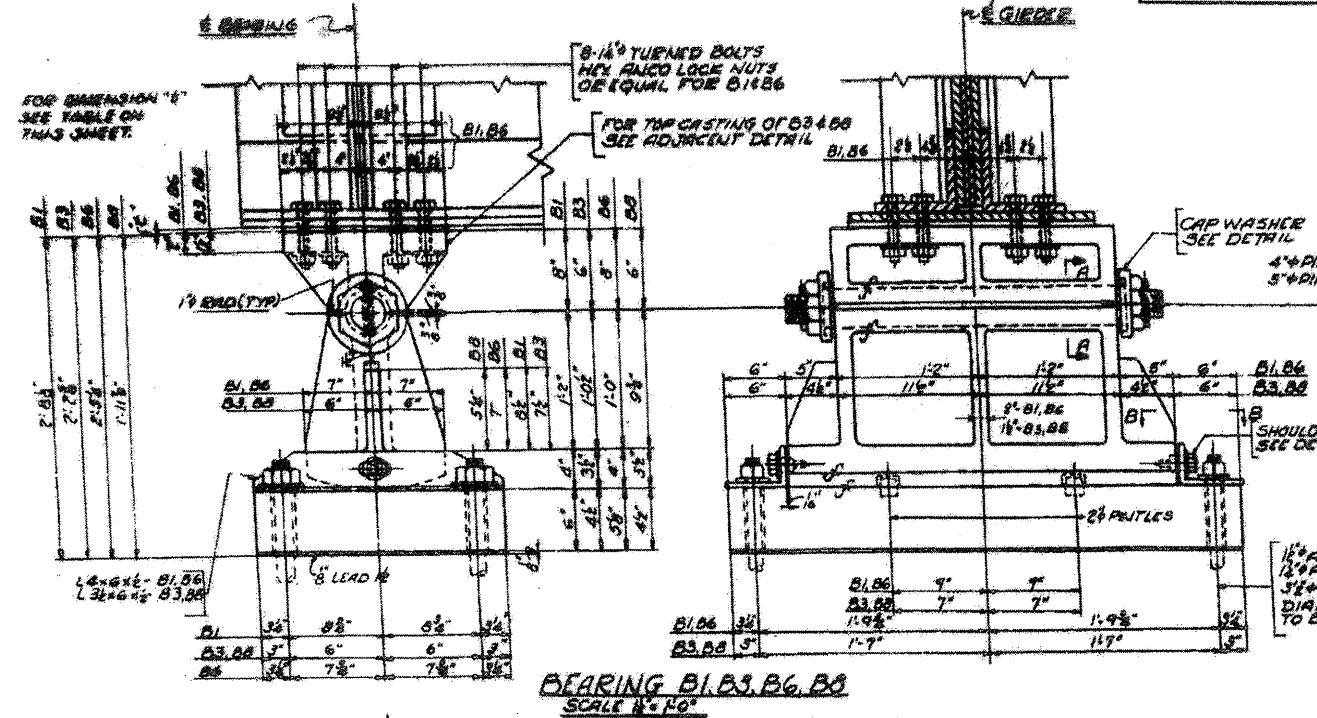
BRG. B1 - TRACK 1, 2, & 3  
BRG. B6 - TRACK 4

BRG. B2 - TRACK 1, 2, & 3  
BRG. B7 - TRACK 4

**LOCATION NO. 9**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-90/94 & CTA**  
**SN 016-0119**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 47
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04

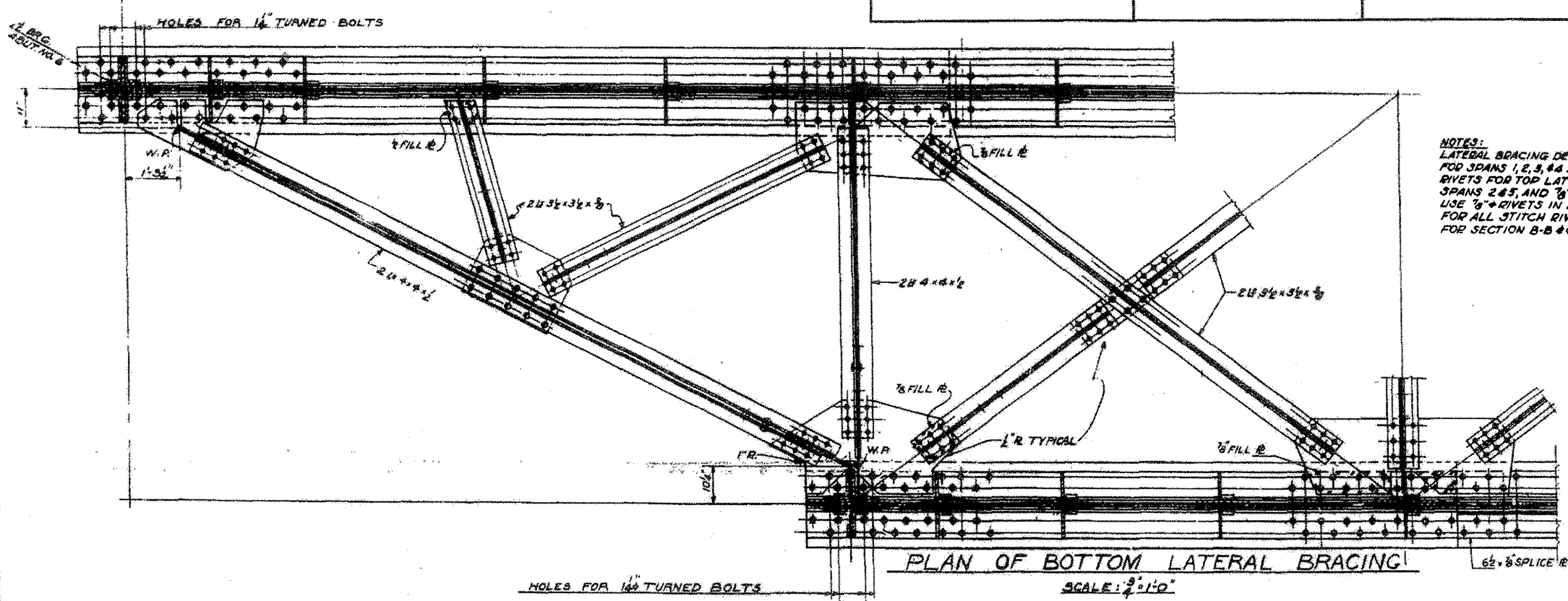


**LOCATION NO. 9**

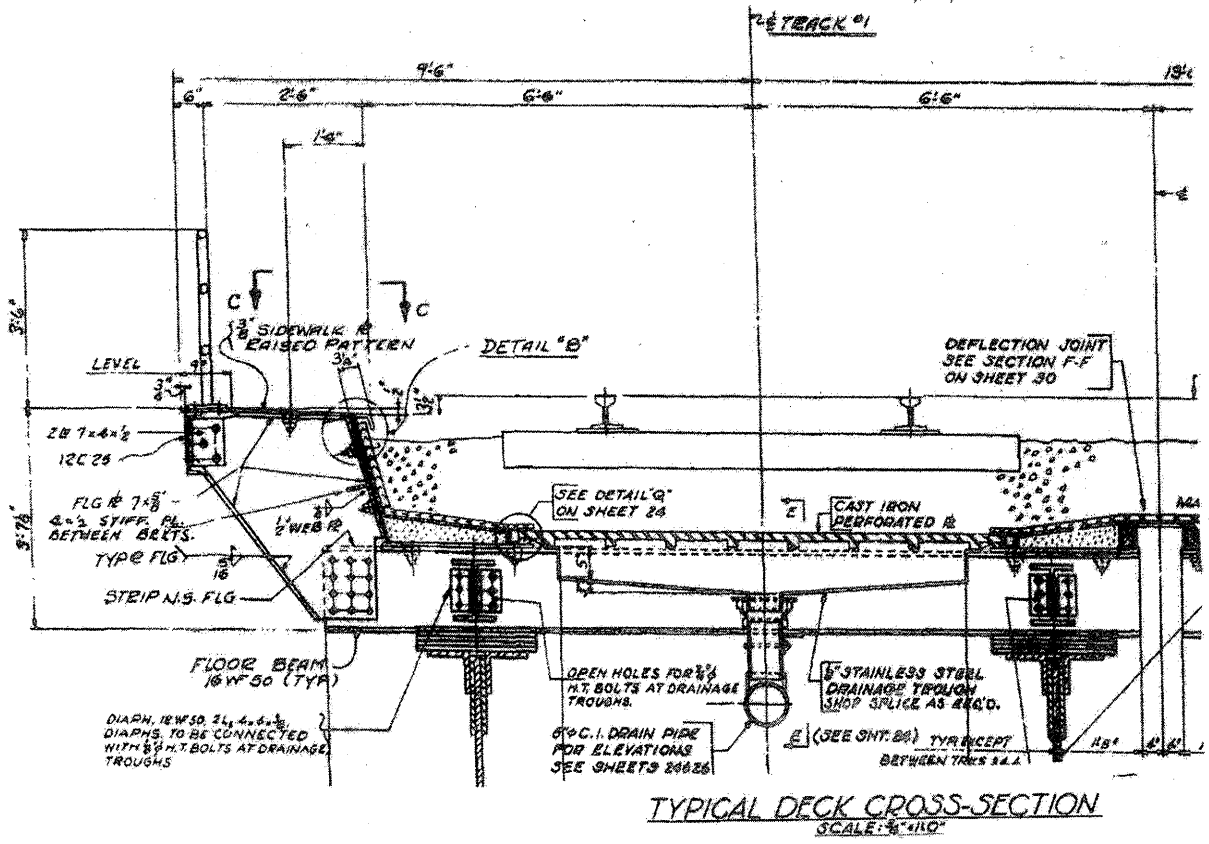
**EXIST. BRIDGE PLANS  
UP RR OVER I-90/94 & CTA  
SN 016-0119**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 47A
------------------	------------------------	-------------------	-----------------------	------------------------

CONTRACT NO. 60F04



NOTES:  
LATERAL BRACING DETAILS ARE SHOWN FOR SPAN 5. DETAILS FOR SPANS 1, 2, 3, & 4 ARE SIMILAR EXCEPT AS NOTED. RIVETS FOR TOP LATERAL BRACING ARE TO BE 1" IN SPANS 2 & 3, AND 3/4" IN SPANS 1, 3, & 4. USE 3/4" RIVETS IN ALL BOTTOM LATERAL BRACING AND FOR ALL STITCH RIVETING. FOR SECTION B-B & C-C SEE SHEET 22

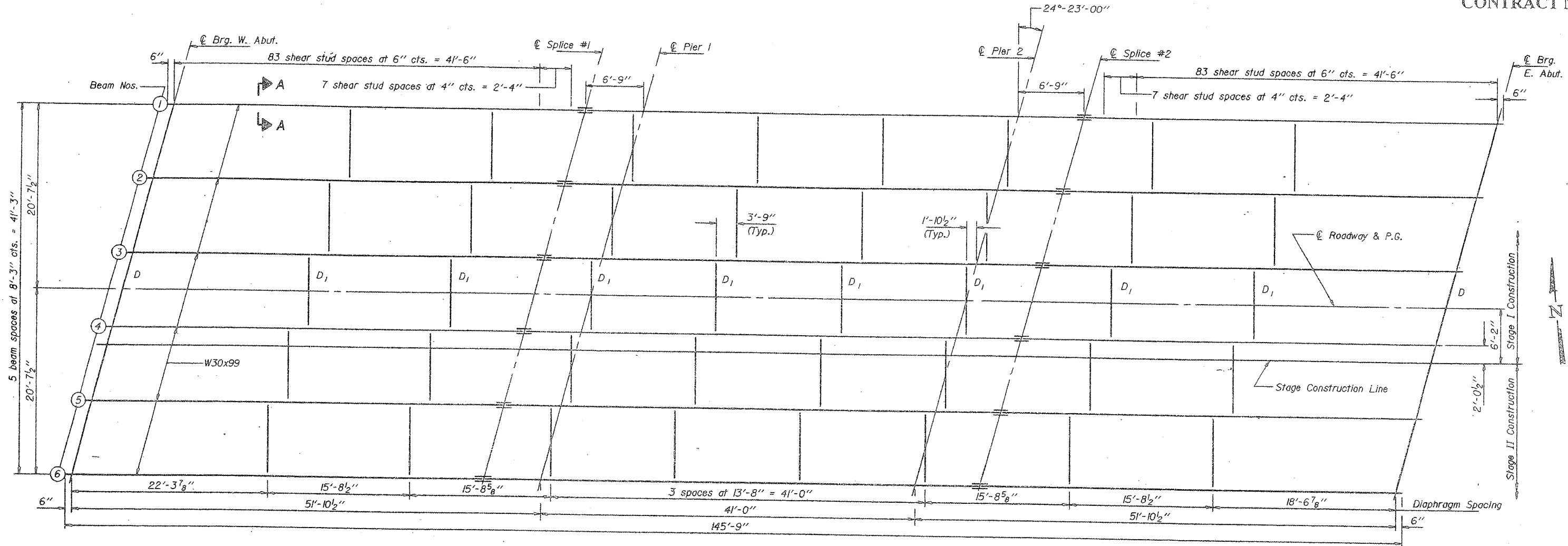


**LOCATION NO. 9**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-90/94 & CTA**  
**SN 016-0119**



ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 49
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



**FRAMING PLAN**

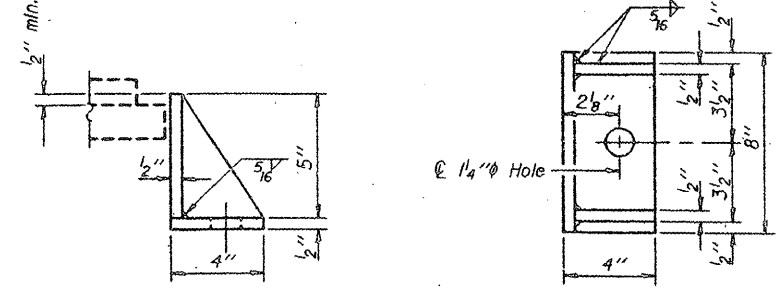
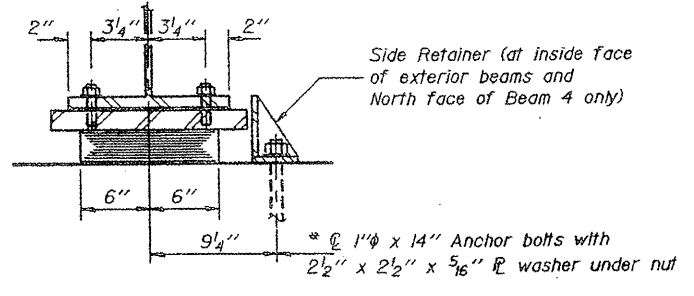
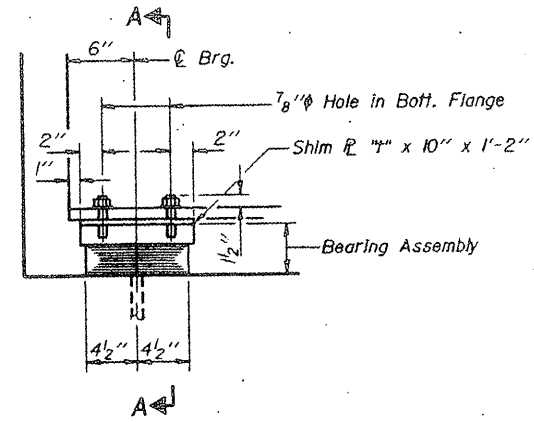
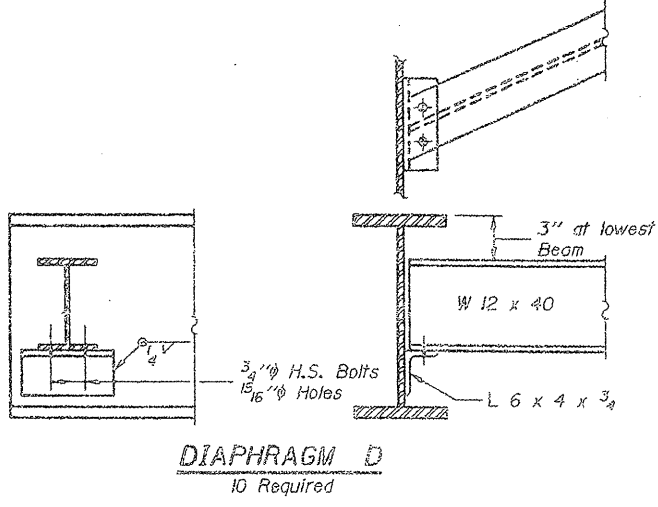
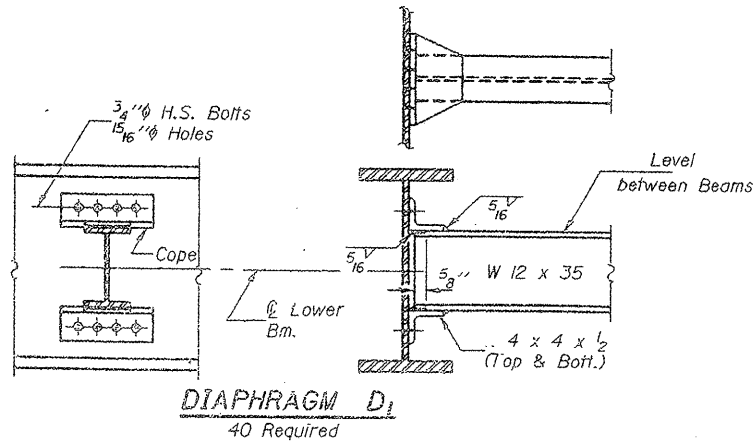
The wide flange beams and all splice plate material shall be AASHTO M223 (Grade 50) and shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

**LOCATION NO. 10**

**EXIST. BRIDGE PLANS  
IL 19 OVER EJ&E RR  
SN 016-0948**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 50
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



ELEVATION AT ABUTS.

SECTION A-A

SIDE RETAINER

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

TYPE I ELASTOMERIC EXP. BRG.

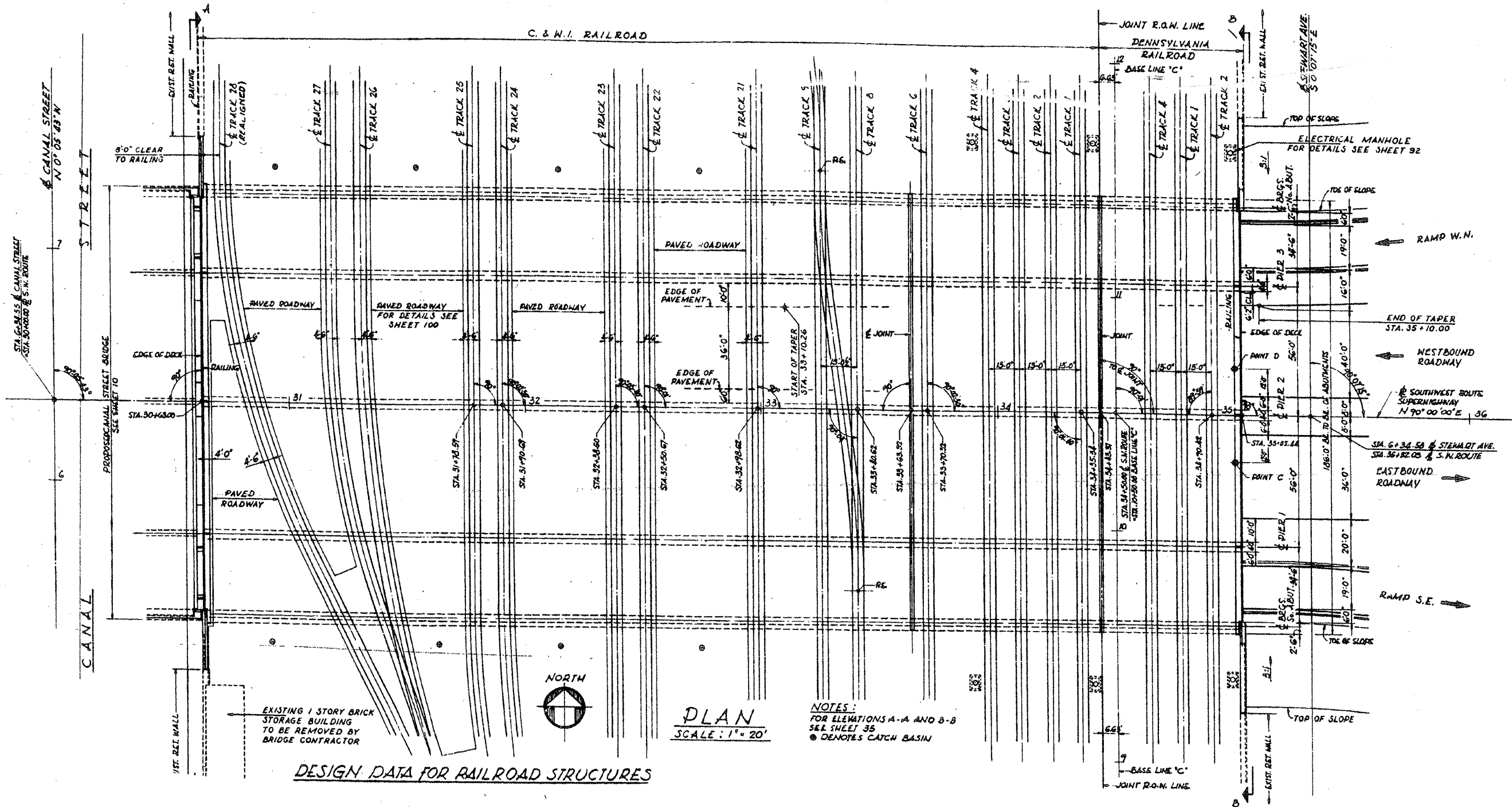
LOCATION NO. 10

EXIST. BRIDGE PLANS  
IL 19 OVER EJ&E RR  
SN 016-0948



ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 51
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



EXISTING 1 STORY BRICK STORAGE BUILDING TO BE REMOVED BY BRIDGE CONTRACTOR



PLAN  
SCALE: 1" = 20'

NOTES:  
FOR ELEVATIONS A-A AND B-B  
SEE SHEET 35  
● DENOTES CATCH BASIN

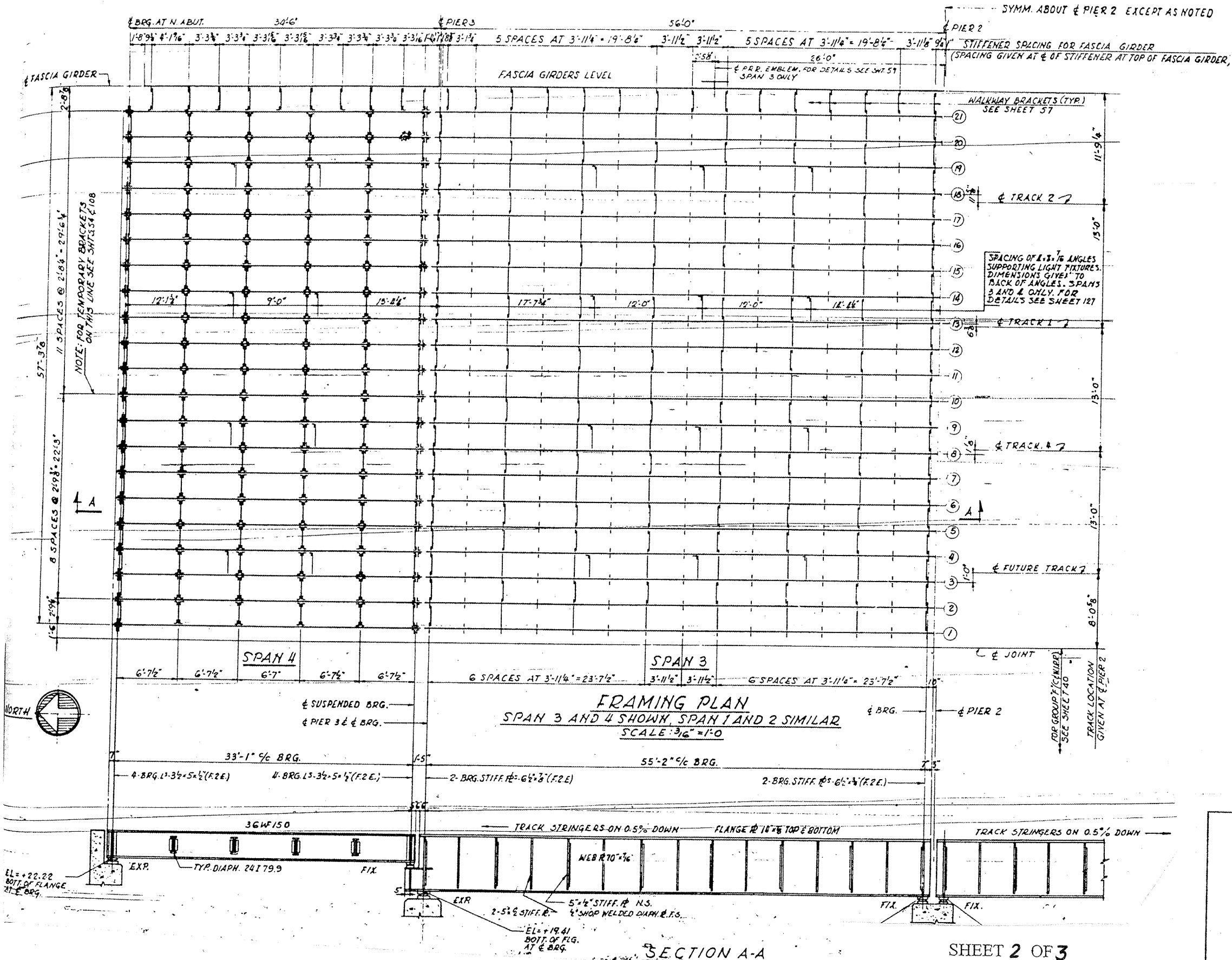
DESIGN DATA FOR RAILROAD STRUCTURES

**FOR INFORMATION ONLY**

**LOCATION NO. 11**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-55**  
**SN 016-1137**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 51A
------------------	------------------------	-------------------	--------------------	---------------------

CONTRACT NO. 60F04



**LOCATION NO. 11**

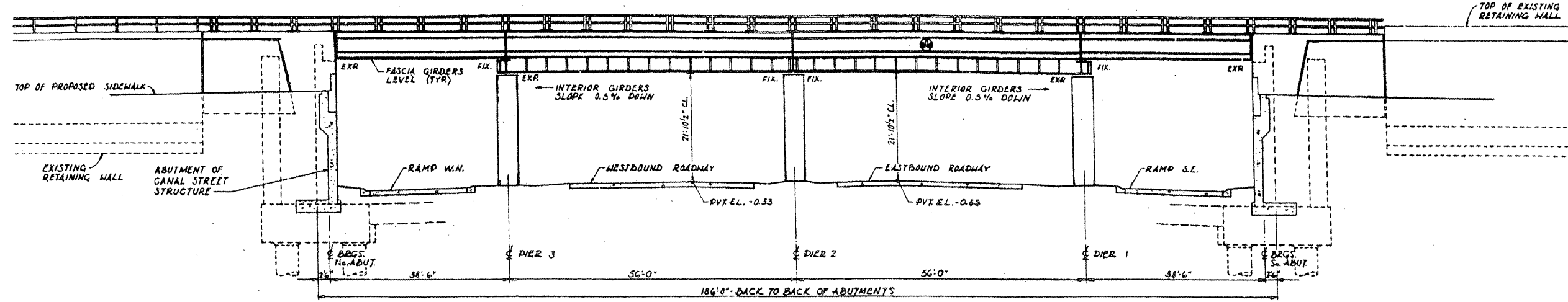
**EXIST. BRIDGE PLANS**

**UP RR OVER I-55**

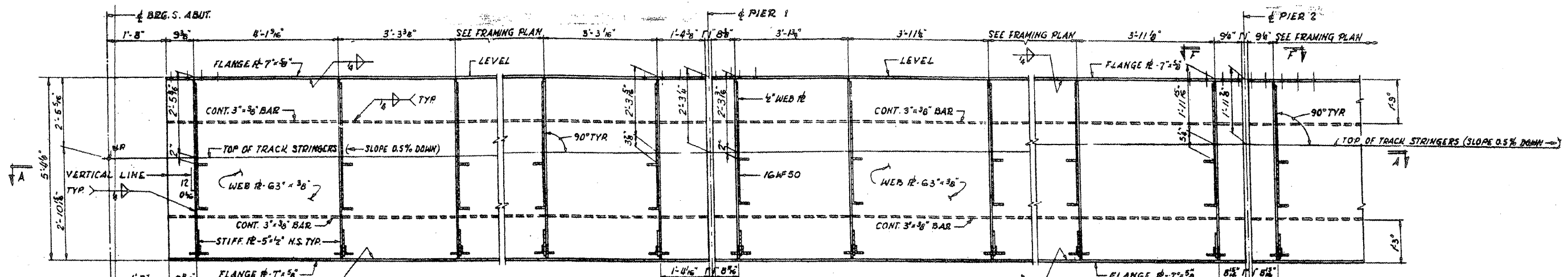
**SN 016-1137**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 52
------------------	------------------------	-------------------	-----------------------	-----------------------

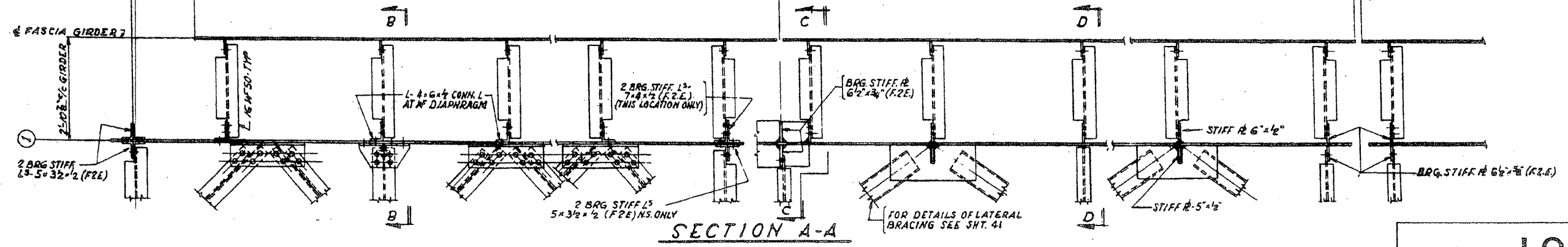
CONTRACT NO. 60F04



**ELEVATION A-A (LOOKING EAST)**  
SCALE: 1" = 10'



**INSIDE ELEVATION OF FASCIA GIRDER.**  
SPAN 1 SHOWN.  
SPAN 4 SIMILAR.  
SCALE: 3/4" = 1'-0"  
SPAN 2 SHOWN.  
SPAN 3 SIMILAR.



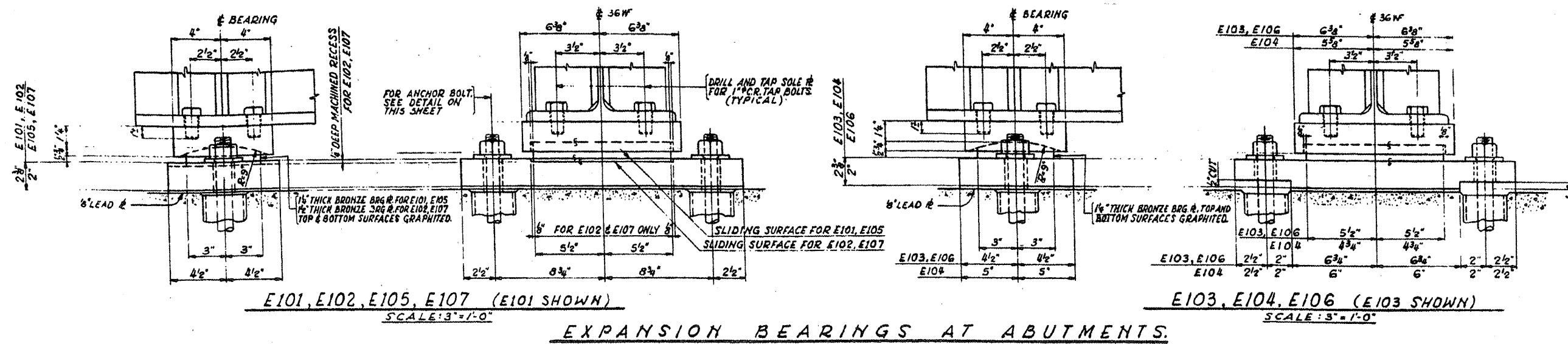
**SECTION A-A**

**LOCATION NO. 11**

**EXIST. BRIDGE PLANS  
UP RR OVER I-55  
SN 016-1137**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	53

CONTRACT NO. 60F04



**LOCATION NO. 11**

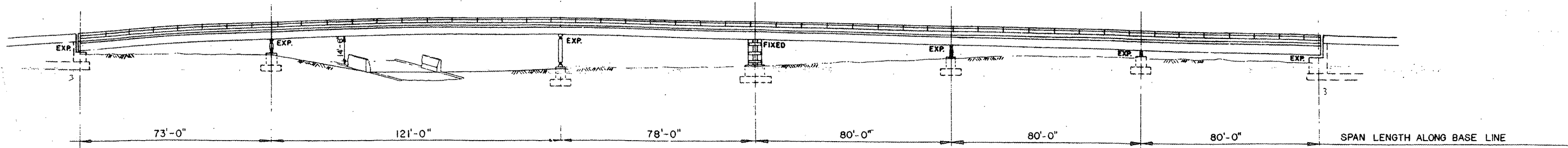
**EXIST. BRIDGE PLANS**

**UP RR OVER I-55**

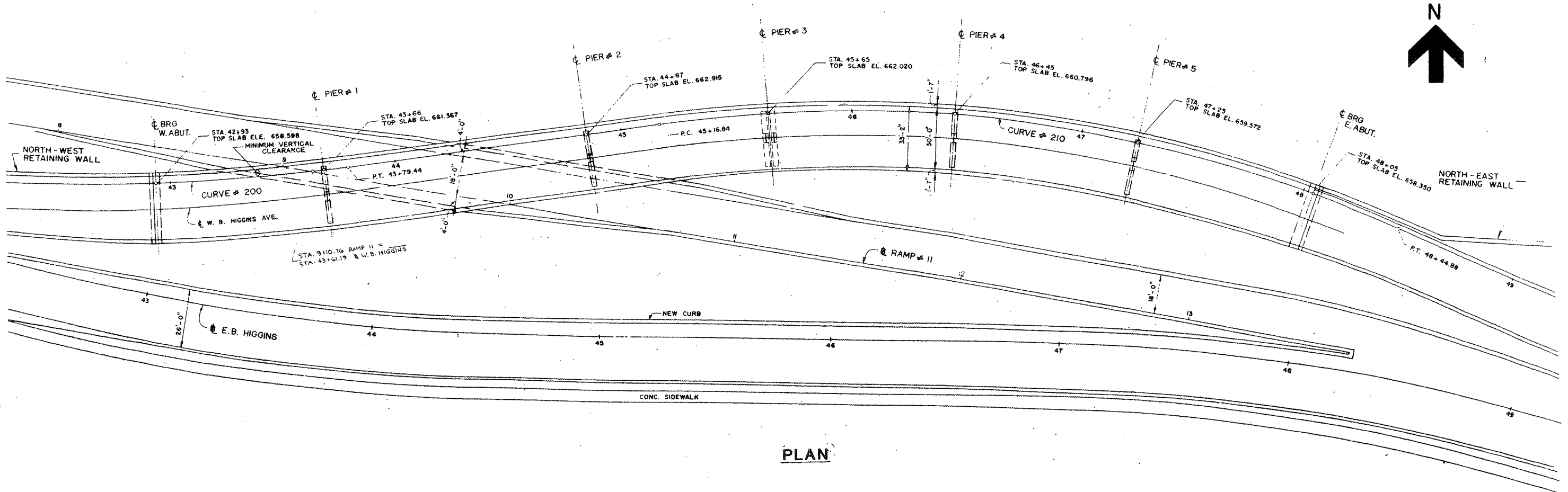
**SN 016-1137**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 54
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04



ELEVATION



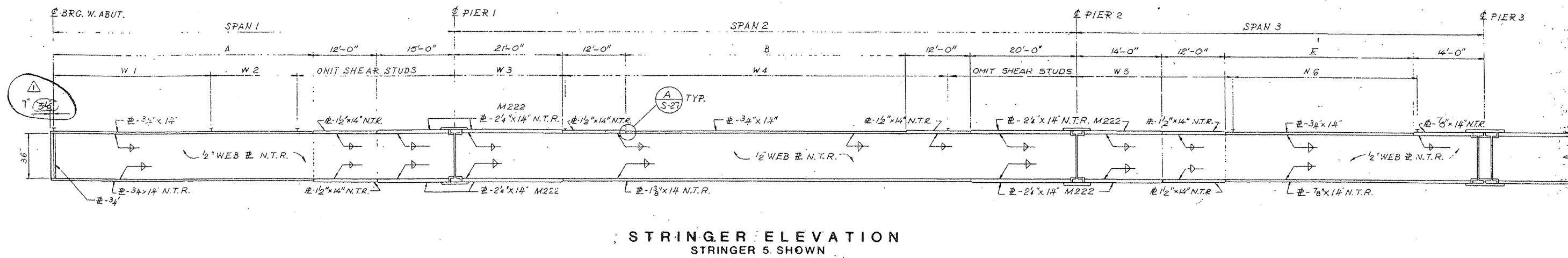
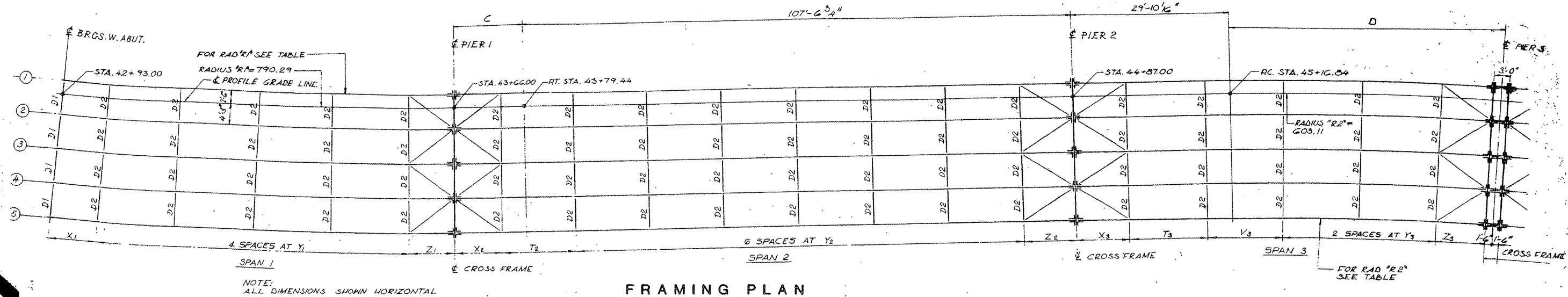
PLAN

**FOR INFORMATION ONLY**

**LOCATION NO. 12**  
**EXIST. BRIDGE PLANS**  
**IL 72 WB OVER EB I-90 RAMP**  
**TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 55
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04

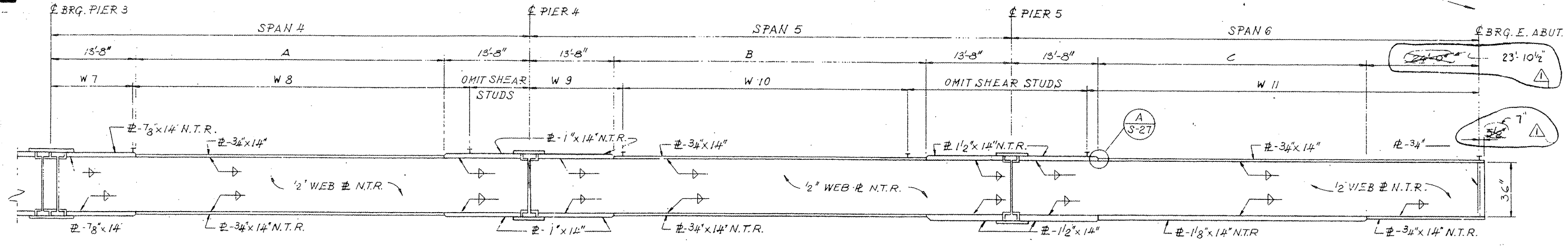
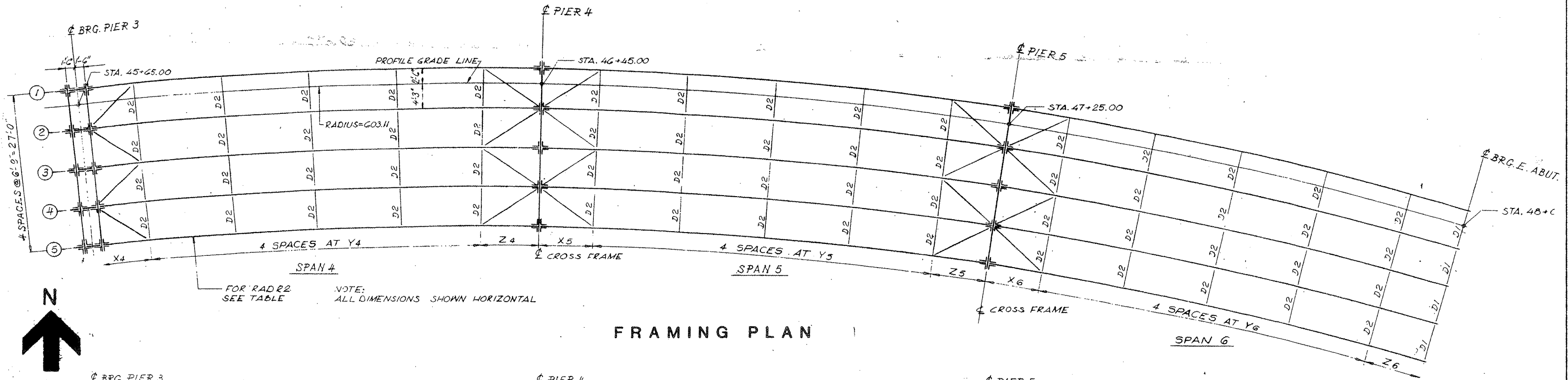


**LOCATION NO. 12**

**EXIST. BRIDGE PLANS**  
**IL 72 WB OVER EB I-90 RAMP**  
**TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 56
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04

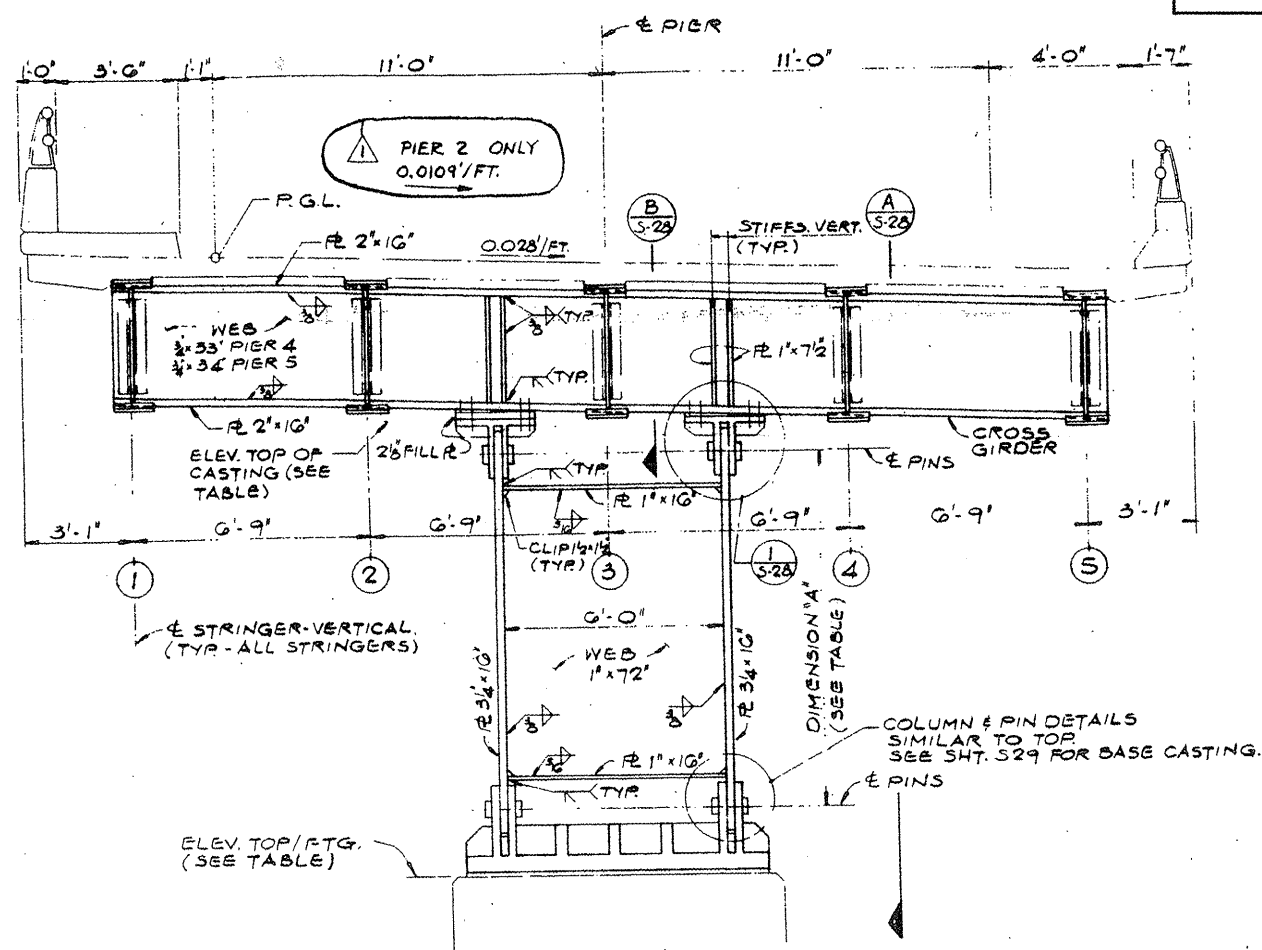


**LOCATION NO. 12**

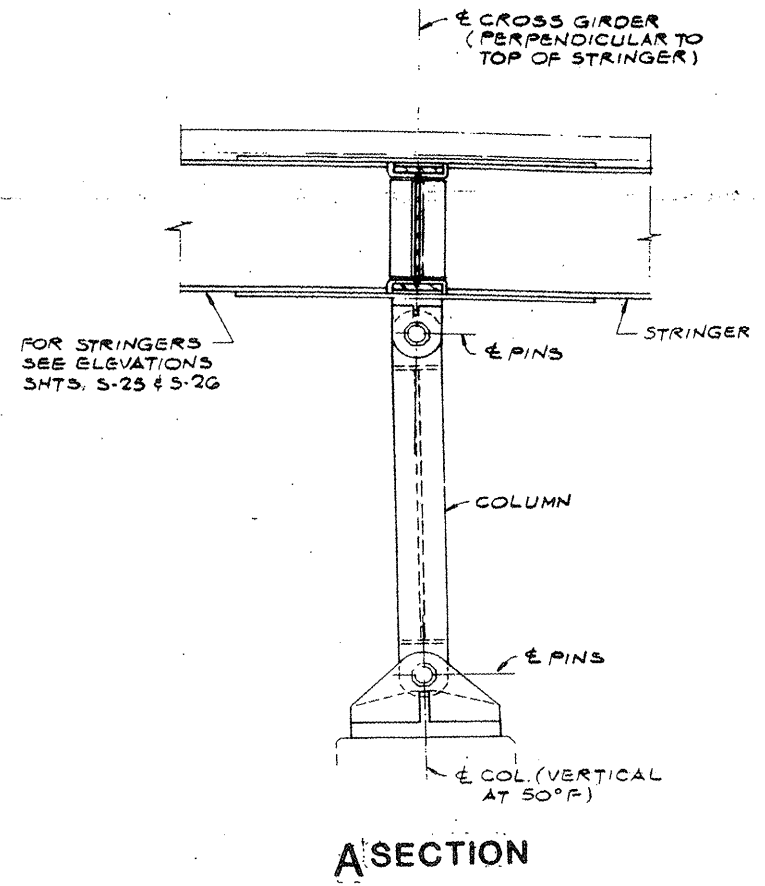
**EXIST. BRIDGE PLANS  
IL 72 WB OVER EB I-90 RAMP  
TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 57
------------------	------------------------	-------------------	--------------------	--------------------

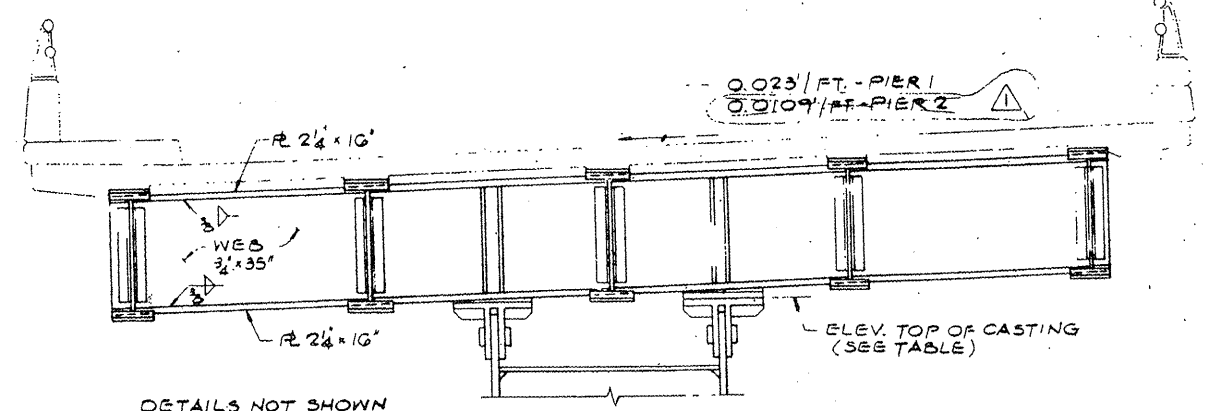
CONTRACT NO. 60F04



TYPICAL SECTION AT BENTS 4 & 5 #2



A SECTION



TYPICAL SECTION AT BENTS 1 & 2

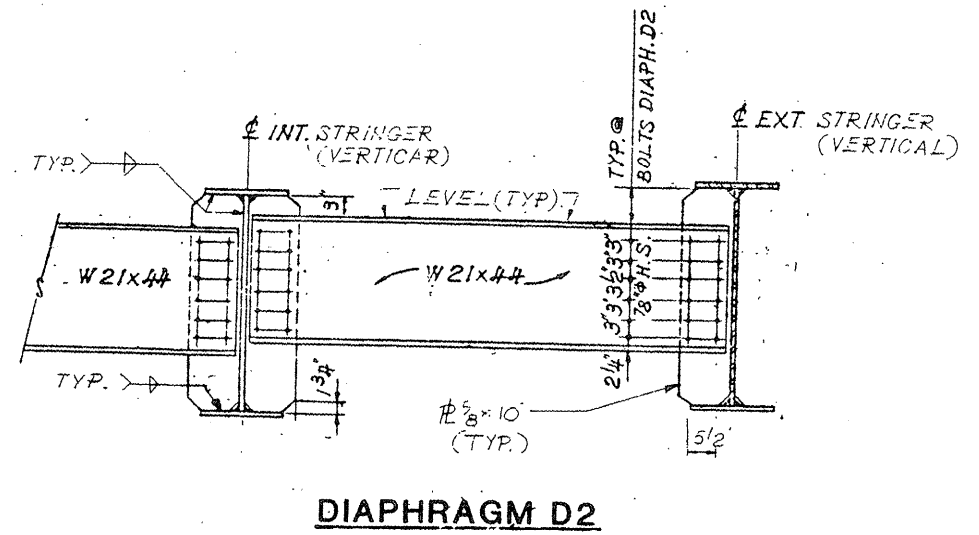
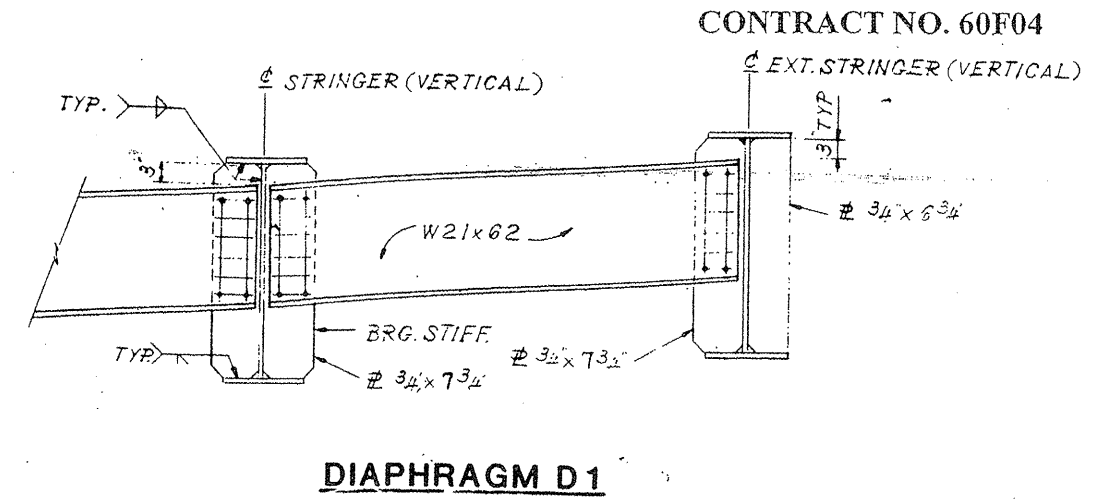
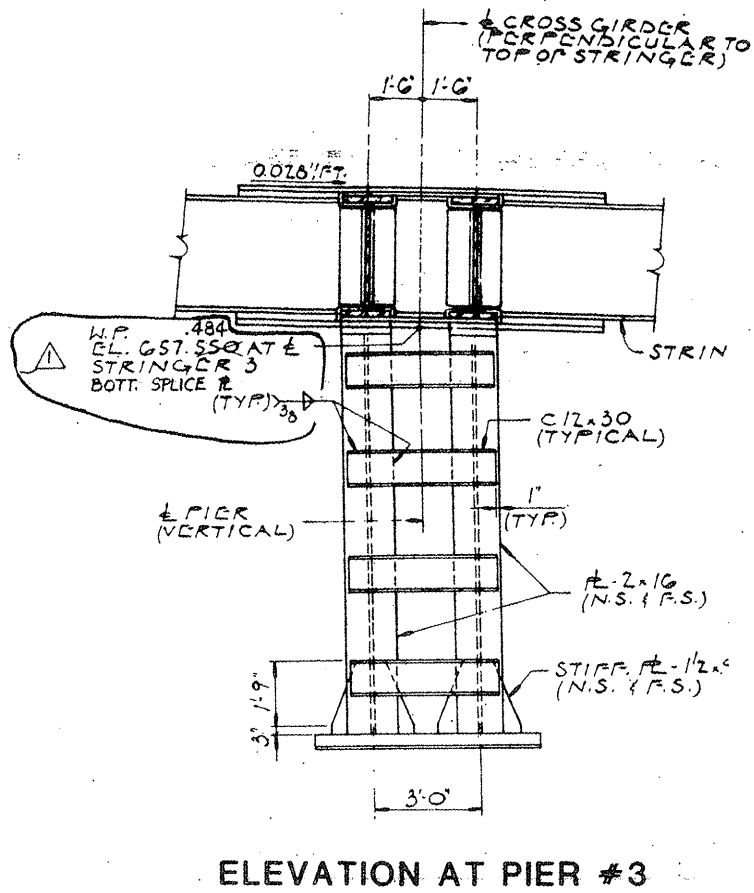
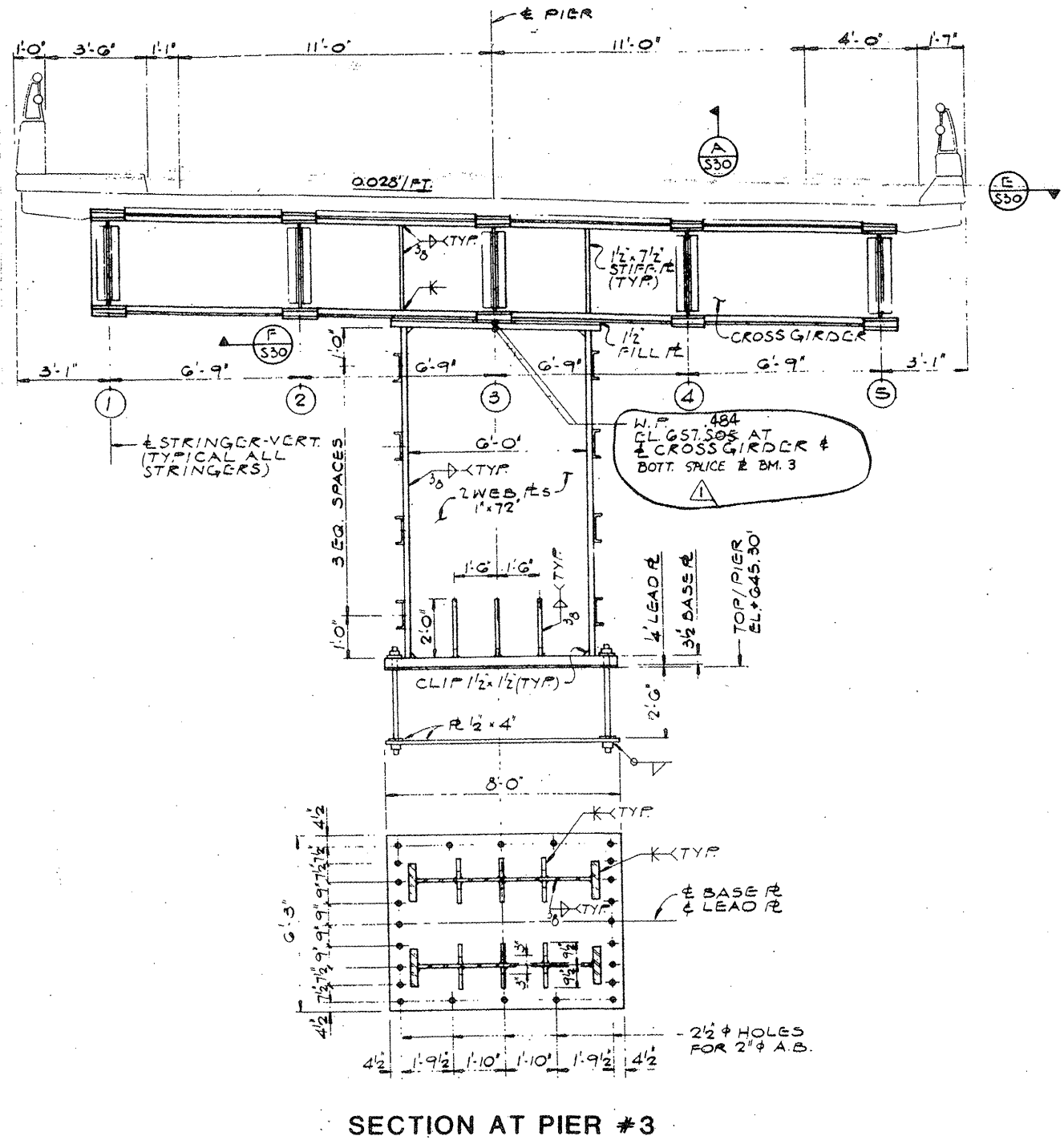
	PIER #1	PIER #2	PIER #3	PIER #4
ELEV. TOP OF CASTING	657.196'	656.405'	656.360'	655.010'
ELEV. TOP OF FOOTING	644.150'	644.25'	645.50'	640.80'
E TO E PINS ('A')	10'-2 1/2'	10'-4 1/2'	8'-0 1/2'	5'-4 1/2'

**LOCATION NO. 12**

**EXIST. BRIDGE PLANS**  
**IL 72 WB OVER EB I-90 RAMP**  
**TO IL 43 SN 016-2519**



ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 58
------------------	------------------------	-------------------	-----------------------	-----------------------

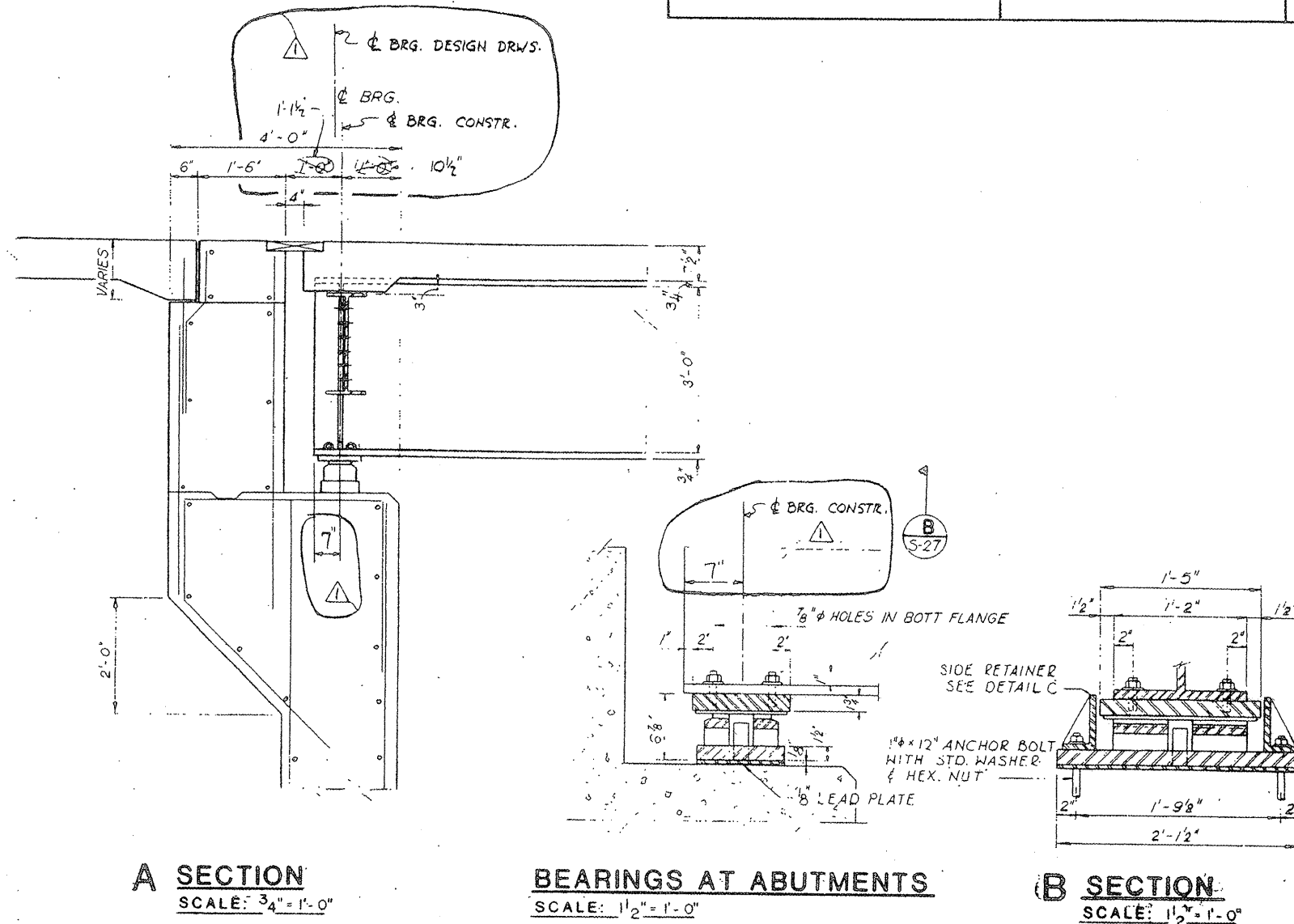


**LOCATION NO. 12**

**EXIST. BRIDGE PLANS  
IL 72 WB OVER EB I-90 RAMP  
TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 59
------------------	------------------------	-------------------	-----------------------	-----------------------

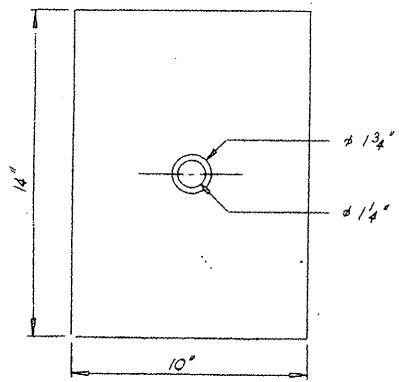
CONTRACT NO. 60F04



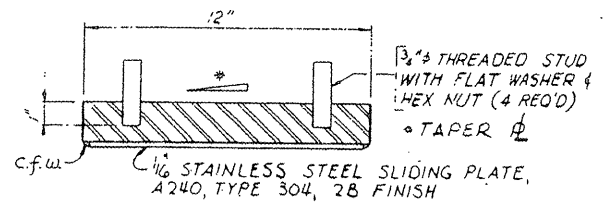
**A SECTION**  
SCALE: 3/4" = 1'-0"

**BEARINGS AT ABUTMENTS**  
SCALE: 1/2" = 1'-0"

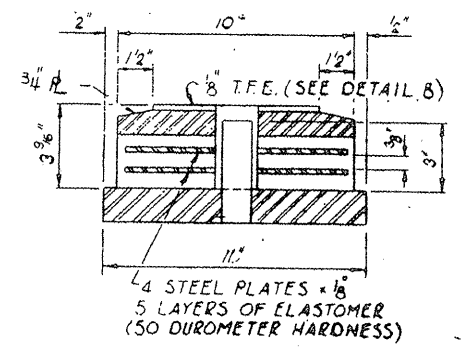
**B SECTION**  
SCALE: 1/2" = 1'-0"



**SLOT DETAIL**  
SCALE: 3" = 1'-0"



**TOP BEARING**  
SCALE: 3" = 1'-0"

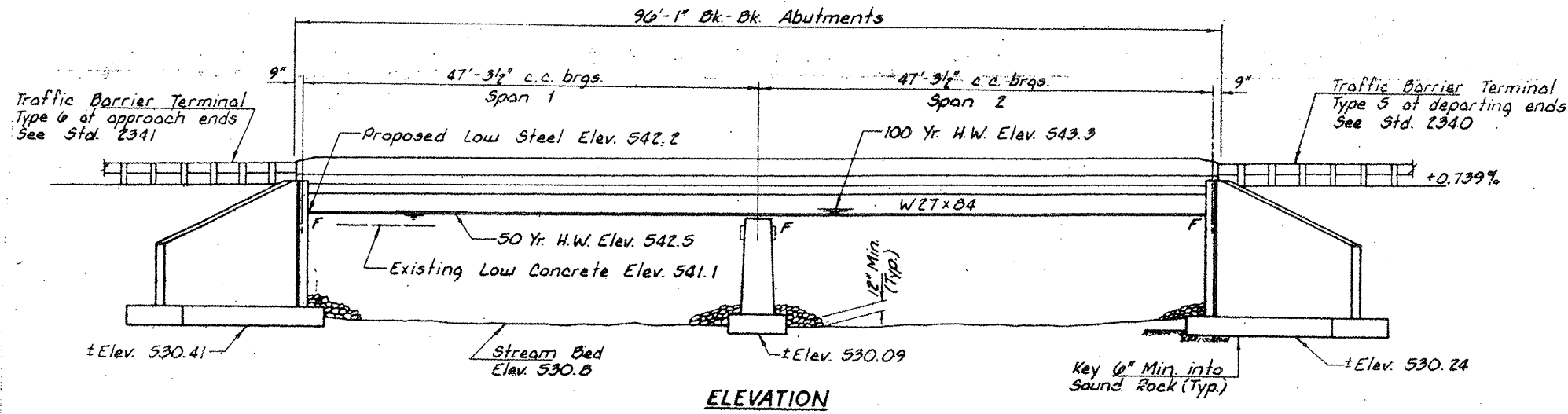


**BOTTOM BEARING**  
SCALE: 3" = 1'-0"

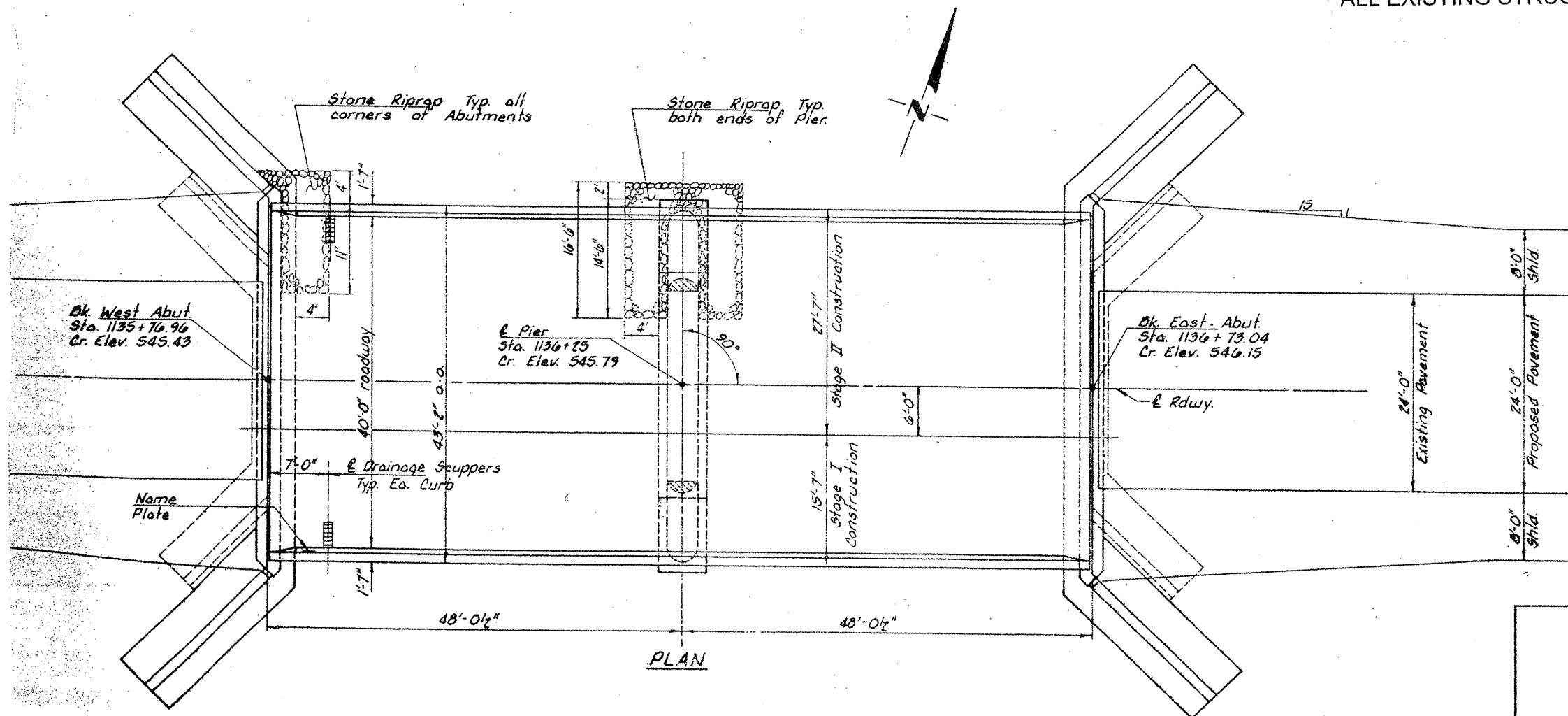
**LOCATION NO. 12**  
  
**EXIST. BRIDGE PLANS**  
**IL 72 WB OVER EB I-90 RAMP**  
**TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 60
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04



NOTE:  
ALL EXISTING STRUCTURAL STEEL IS COR-TEN WEATHERING STEEL



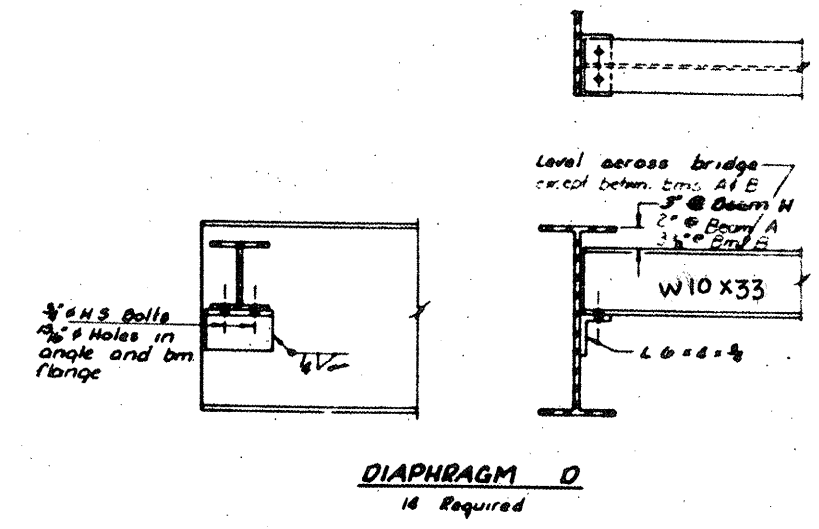
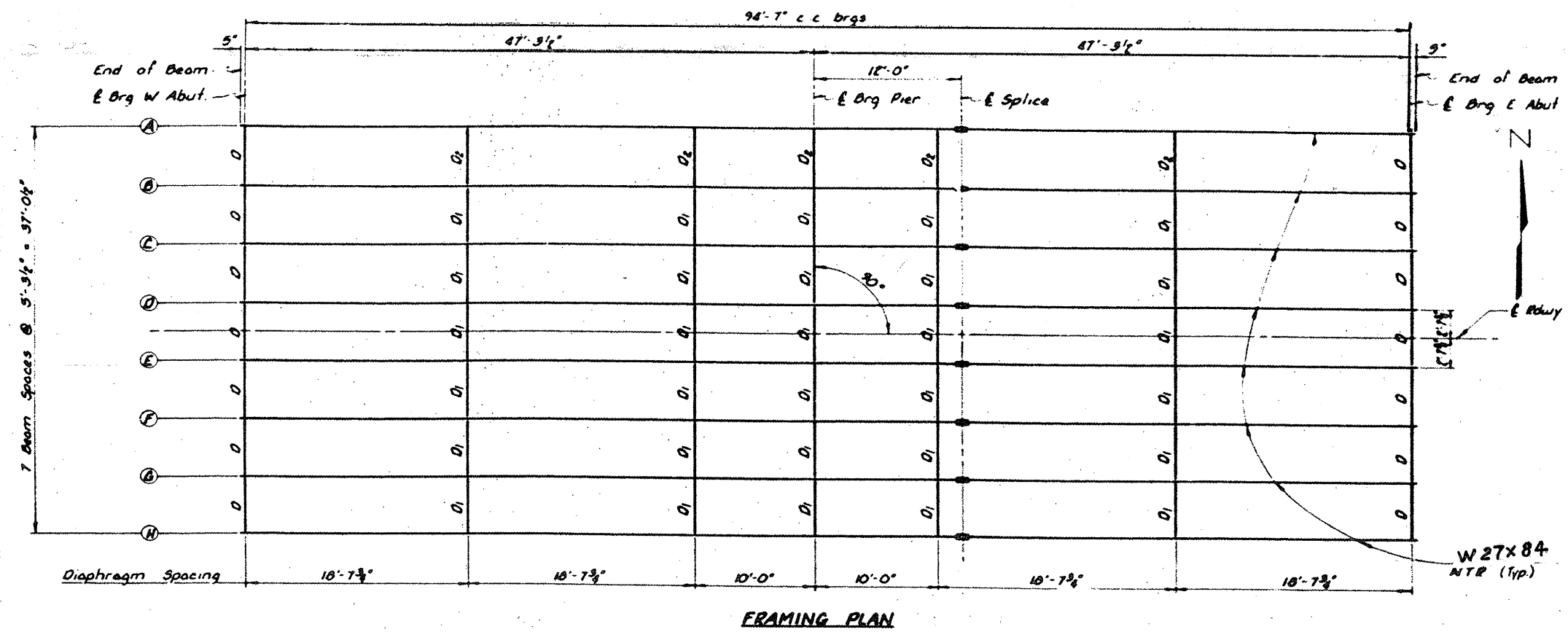
**FOR INFORMATION ONLY**

LOCATION NO. 13

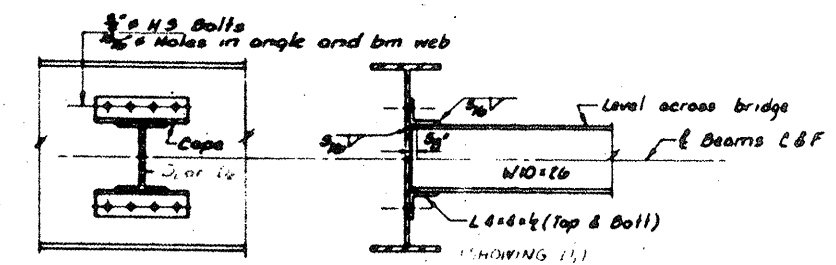
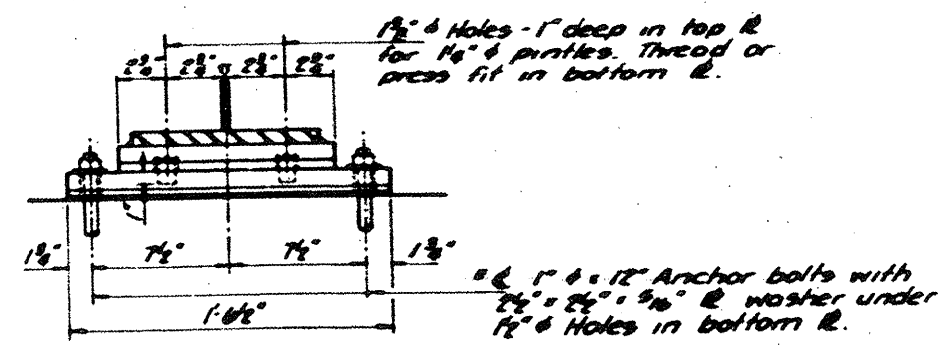
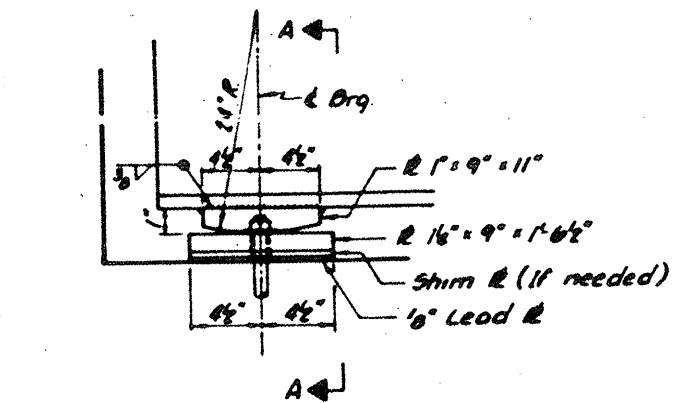
**EXIST. BRIDGE PLANS  
IL 53 OVER FORKED CREEK  
SN 099-0091**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 61
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04



NOTE: Hardened washers shall be required over 1 1/2" holes. (E/Bolt)

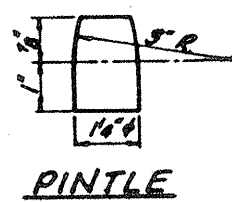


ELEVATION AT ABUTMENTS

SECTION A-A

DIAPHRAGMS D1 & D2  
D1 = 30 Required, D2 = 5 Req'd

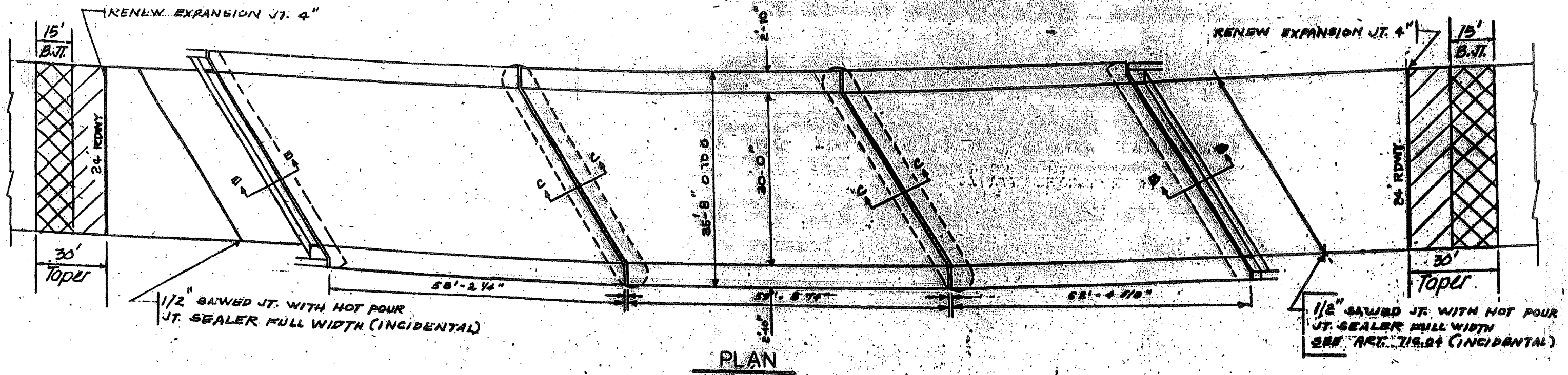
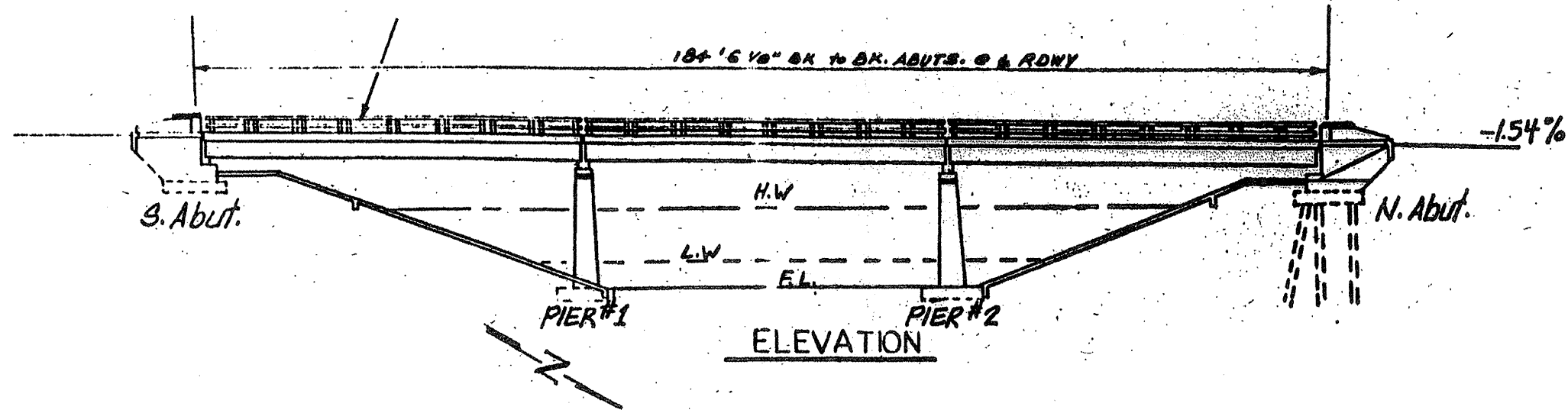
FIXED BEARING  
(16 Required)



**LOCATION NO. 13**  
**EXIST. BRIDGE PLANS**  
**IL 53 OVER FORKED CREEK**  
**SN 099-0091**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	69	62

CONTRACT NO. 60F04

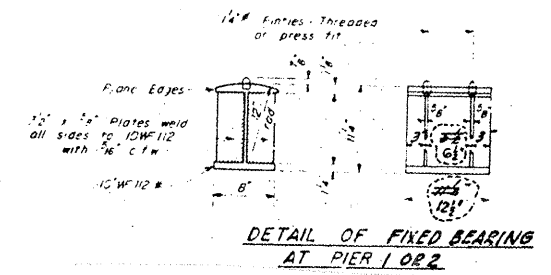
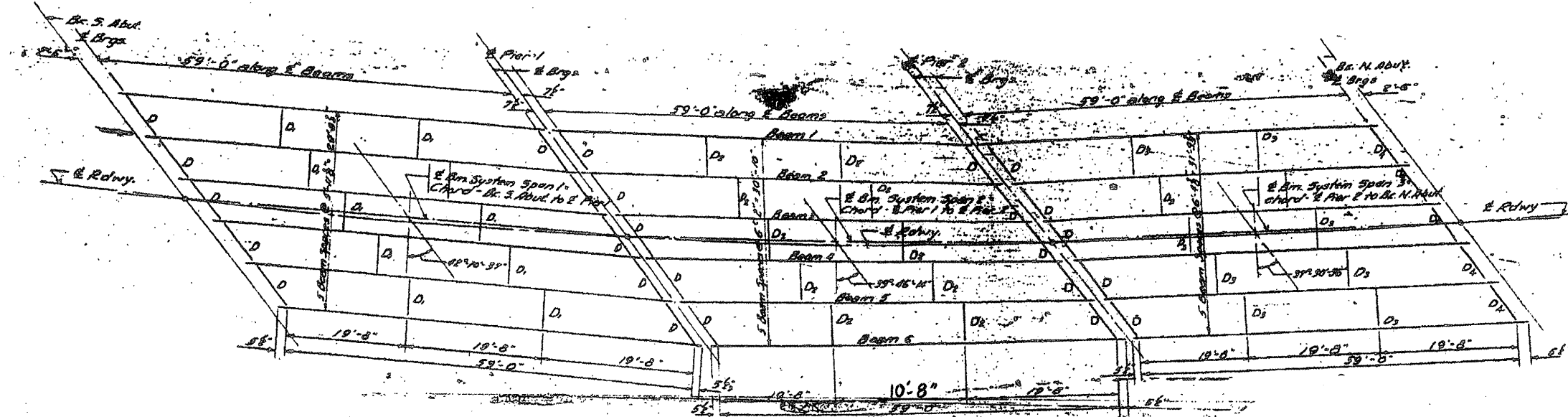


**FOR INFORMATION ONLY**

**LOCATION NO. 14**  
**EXIST. BRIDGE PLANS**  
**IL 113 OVER HORSE CREEK**  
**SN 099-0171**

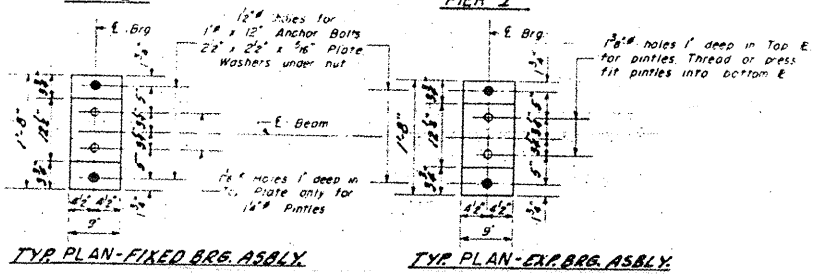
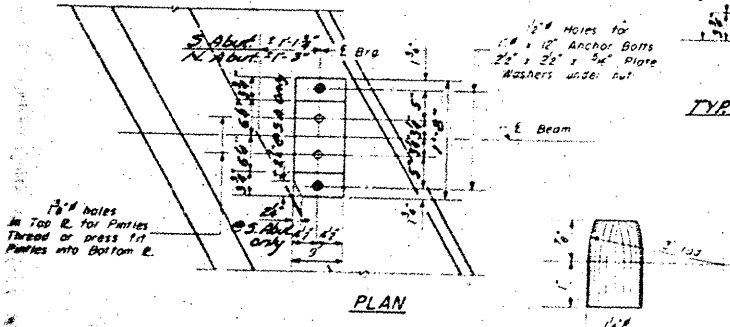
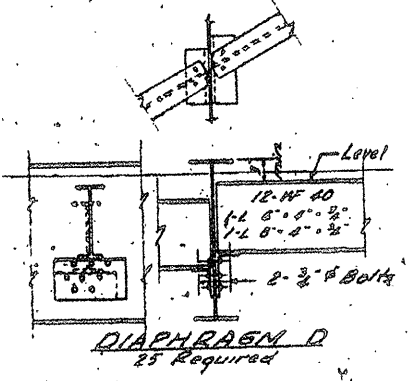
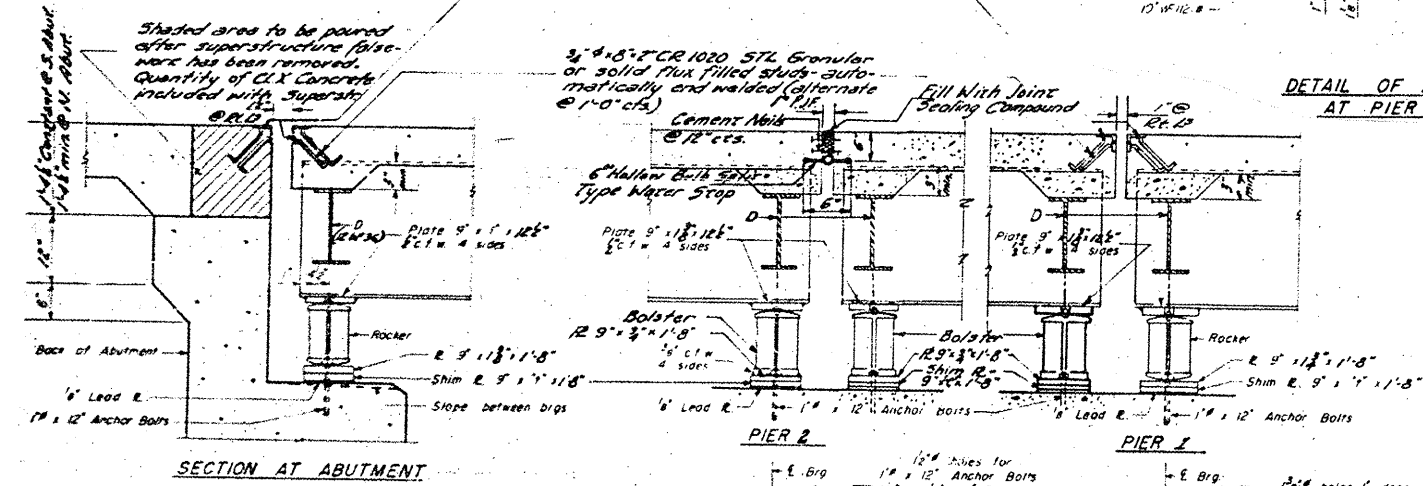
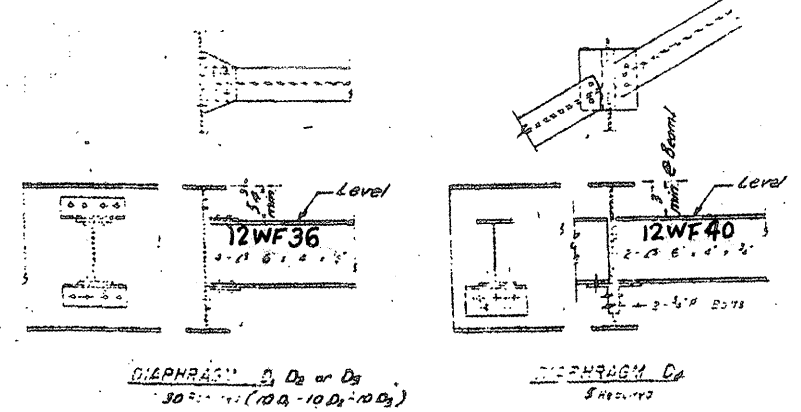
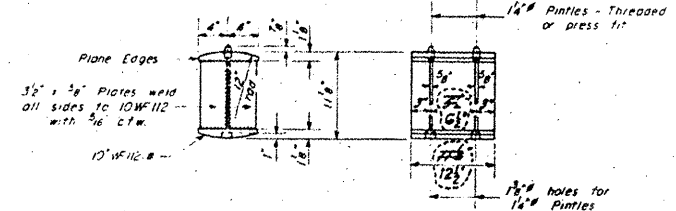
ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 63
------------------	------------------------	-------------------	-----------------------	-----------------------

CONTRACT NO. 60F04



**STRUCTURAL STEEL LAYOUT**  
All beams 33 WF130

7/8" holes @ 12" c/c for 3/4" Bolts.  
All bolts shall be burned, sawed or clipped off flush with face of angles after forms are removed.



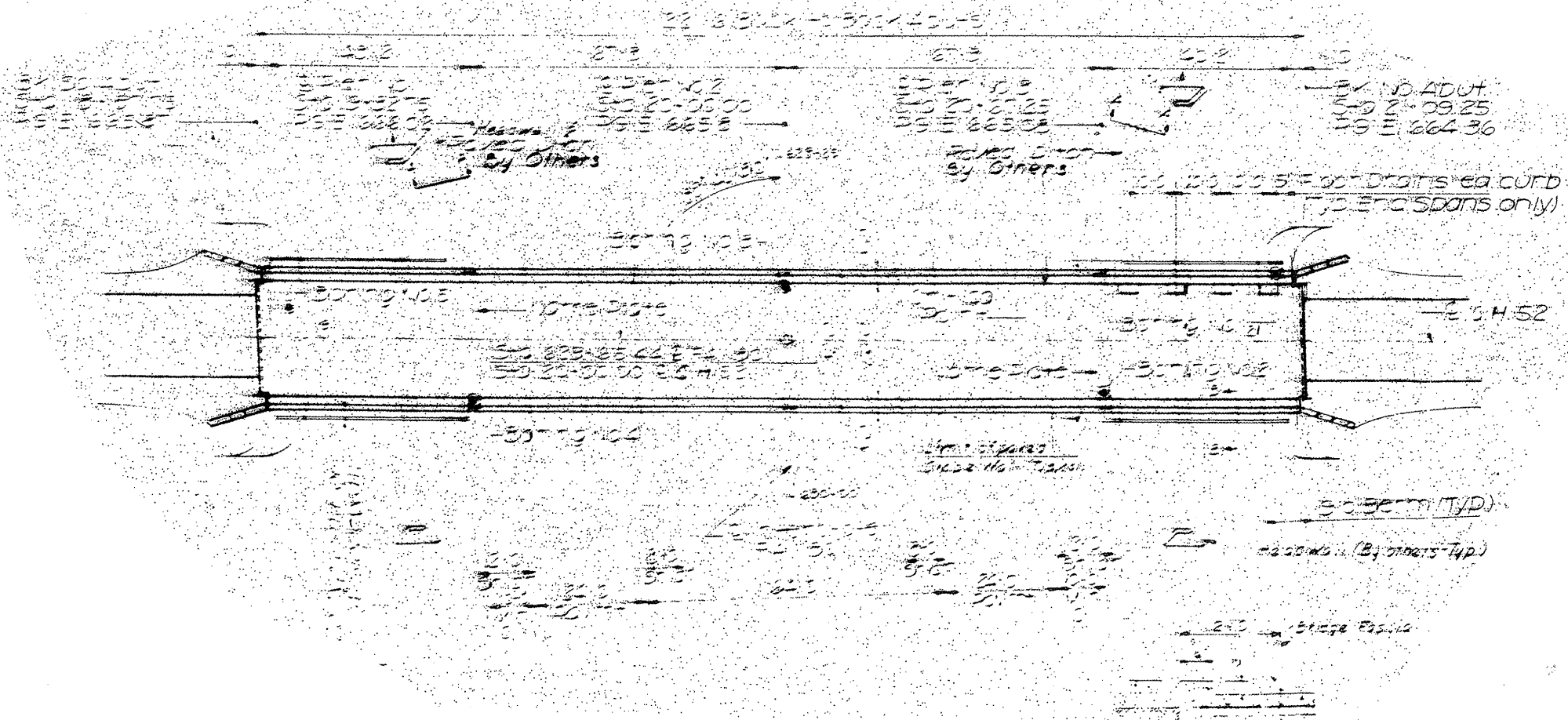
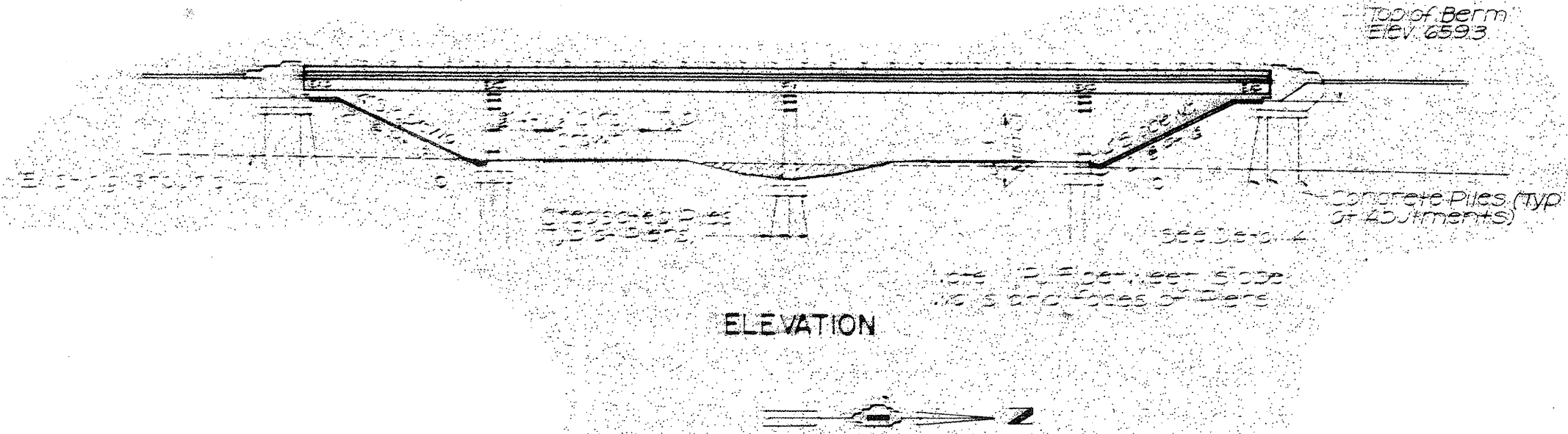
DETAIL OF PINTLE

**LOCATION NO. 14**

**EXIST. BRIDGE PLANS**  
**IL 113 OVER HORSE CREEK**  
**SN 099-0171**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 64
------------------	------------------------	-------------------	--------------------	--------------------

CONTRACT NO. 60F04



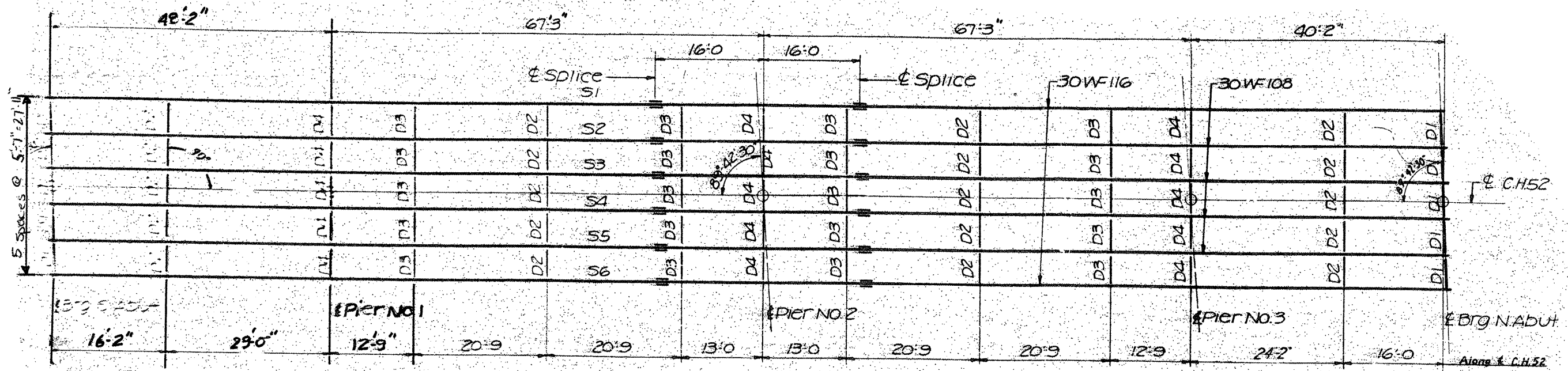
**FOR INFORMATION ONLY**

LOCATION NO. 15

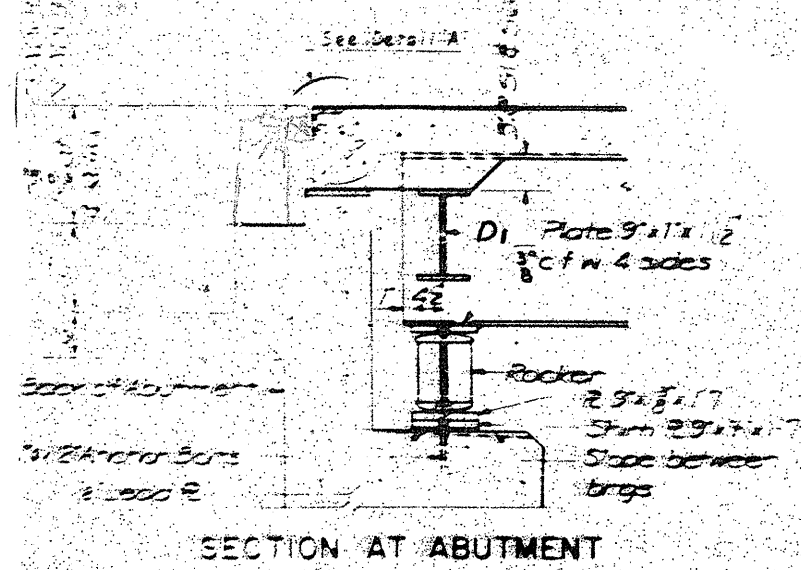
**EXIST. BRIDGE PLANS**  
**GOUGAR RD. OVER I-80**  
**SN 099-0203**

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 69	SHEET NUMBER 65
------------------	------------------------	-------------------	-----------------------	-----------------------

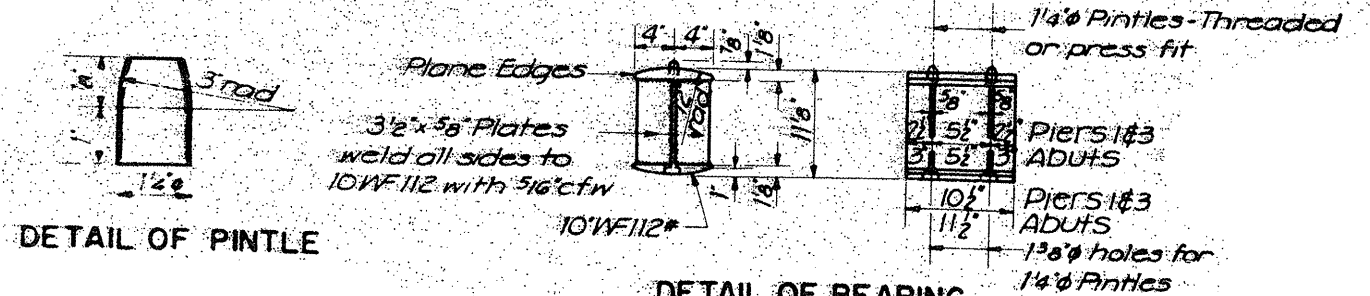
CONTRACT NO. 60F04



PLAN OF STRUCTURAL STEEL

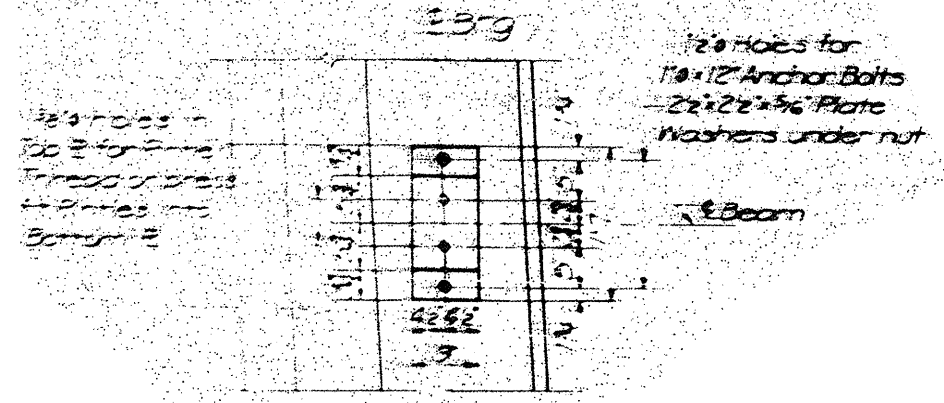


SECTION AT ABUTMENT

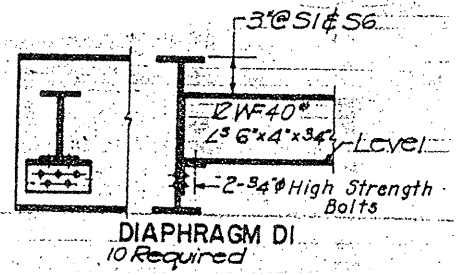


DETAIL OF PINTLE

DETAIL OF BEARING AT PIERS 1&3 AND ABUTS



PLAN

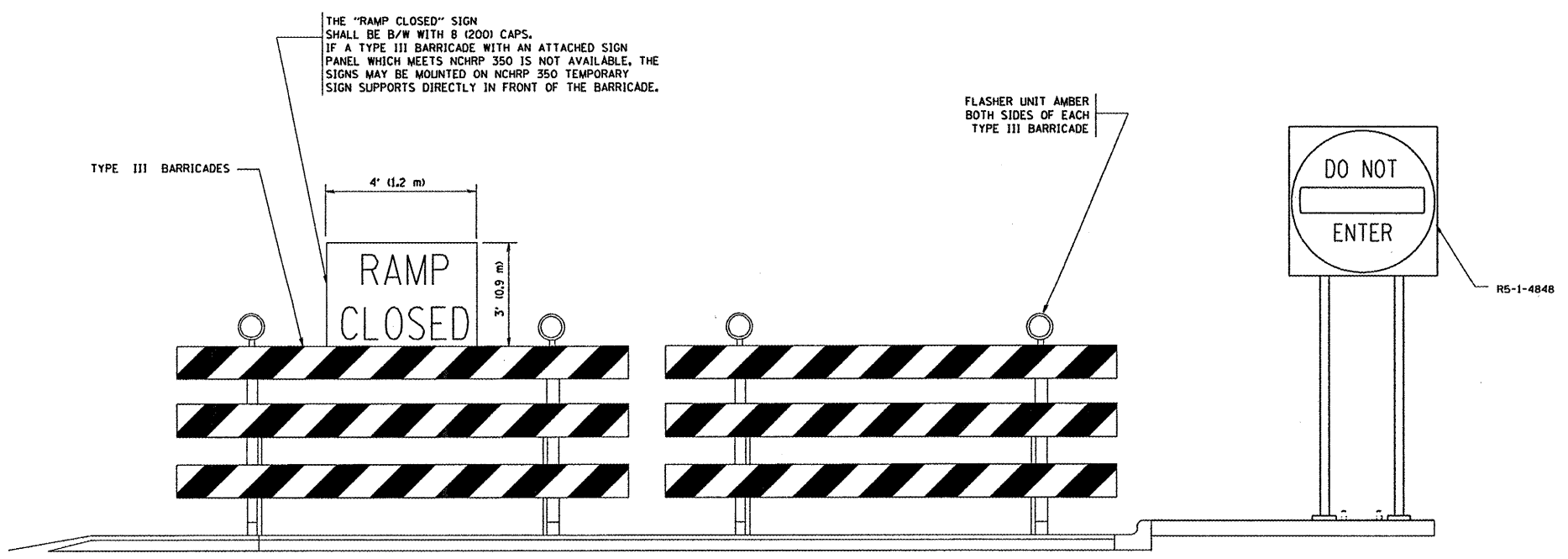
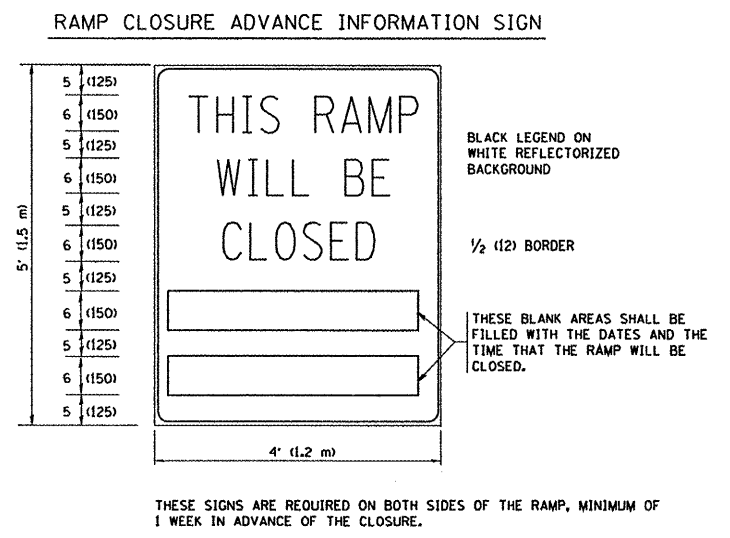
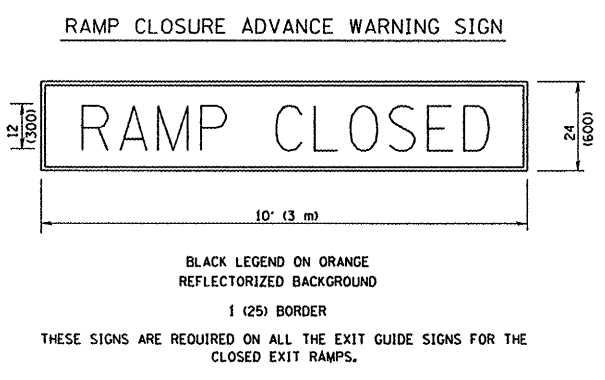
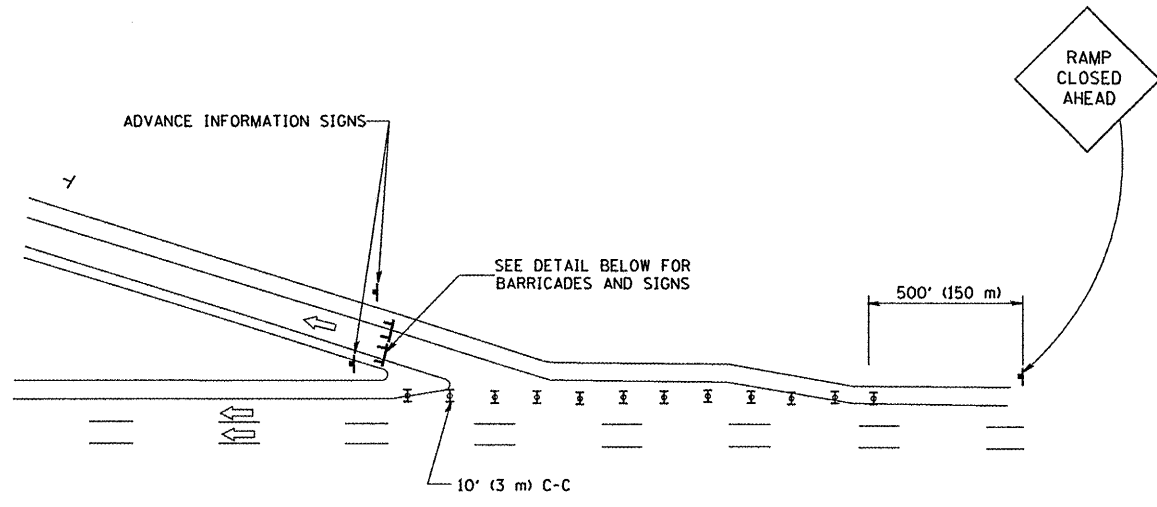
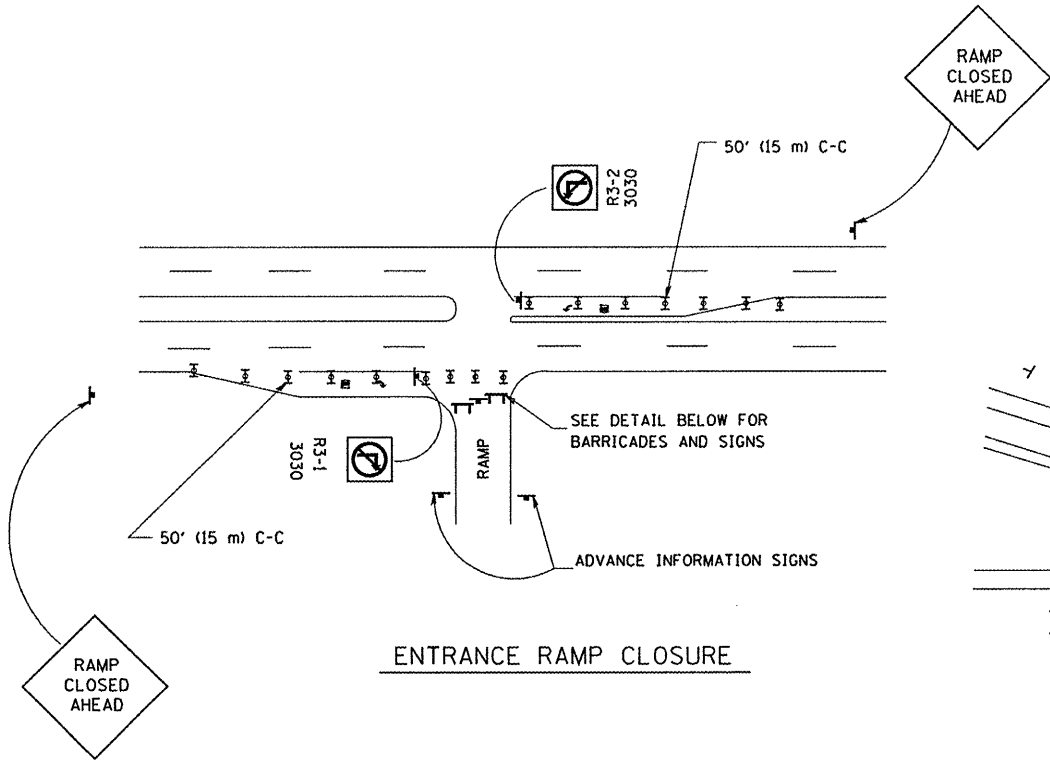


DIAPHRAGM DI. 10 Required

**LOCATION NO. 15**

**EXIST. BRIDGE PLANS**  
**GOUGAR RD. OVER I-80**  
**SN 099-0203**



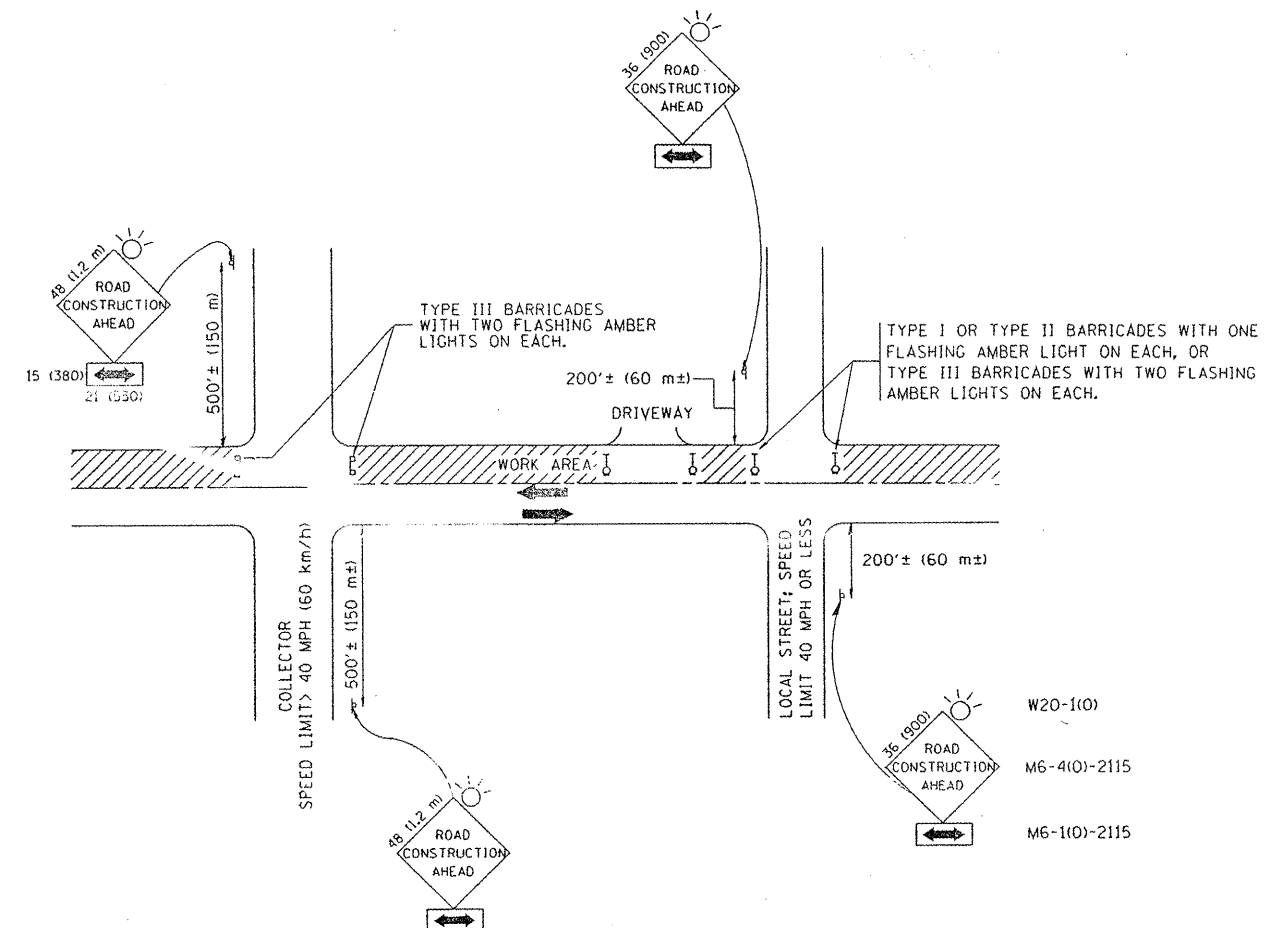


- SYMBOLS**
- ▬ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
  - ⌈ TYPE III BARRICADE WITH FLASHING LIGHT

- GENERAL NOTES:**
1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
  2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
  3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
  4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
  5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
  6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
  7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\te08.dgn	USER NAME = geglionob	DESIGNED - DWS	REVISED - DWS 12-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FREEWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 50.000' / 1IN.	CHECKED -	REVISED - DWS/JAF 12-02											
	PLOT DATE = 1/4/2008	DATE - 02-83	REVISED - JAF 02-06											
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT		TC-08 CONTRACT NO.			



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

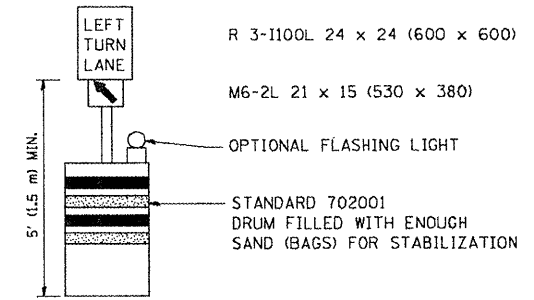
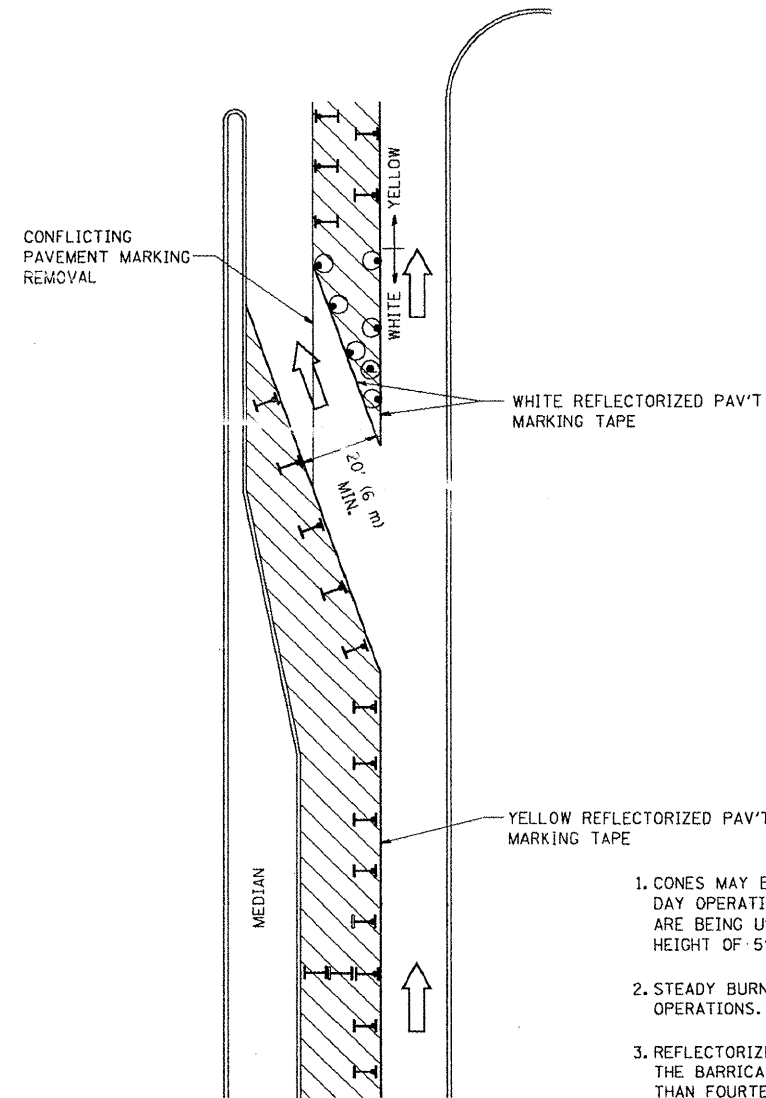
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = goglionobx	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
M:\diststd\22x34\1010.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			69	66
TC-10			CONTRACT NO. 60F04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				









**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28" (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONDIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

**LEGEND**

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME = W:\distd\22x24\to14.dgn	USER NAME = goglionobt	DESIGNED -	REVISED -T. RAMMACHER 09-08-94
		DRAWN -	REVISED - A. HOUSEH 11-07-95
		CHECKED -	REVISED - A. HOUSEH 10-12-96
		DATE -	REVISED -T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000 "/ IN.			
PLOT DATE = 1/4/2008			

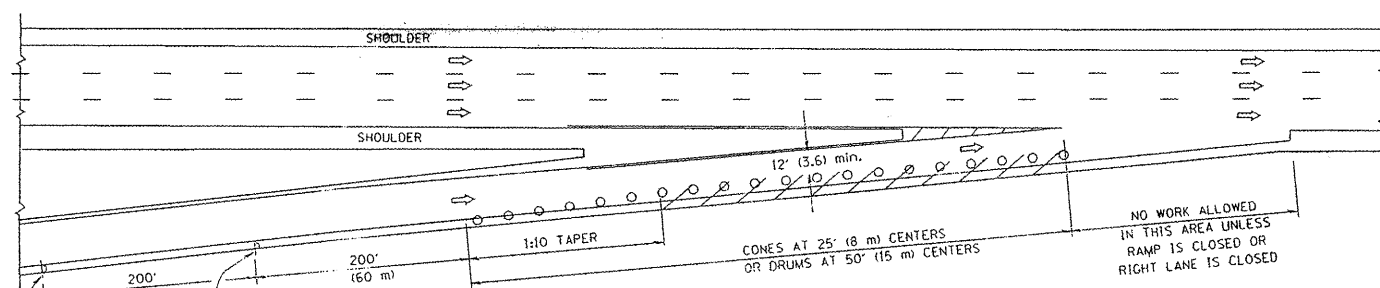
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

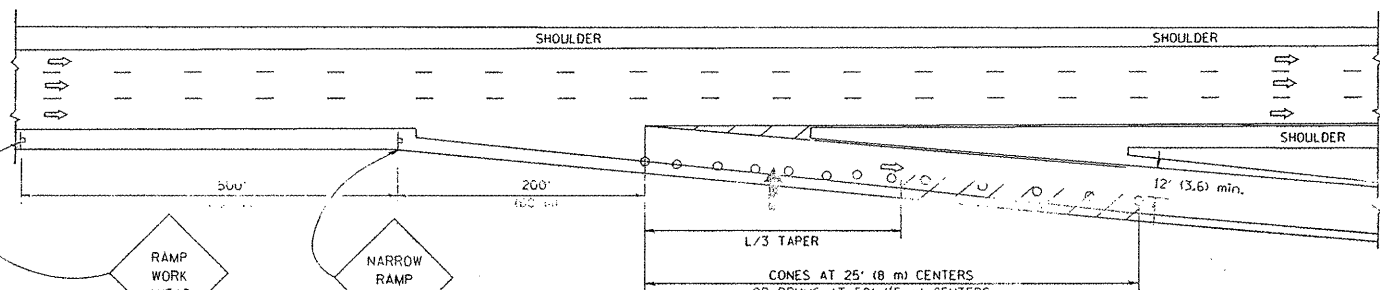
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14		69	67
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F04	

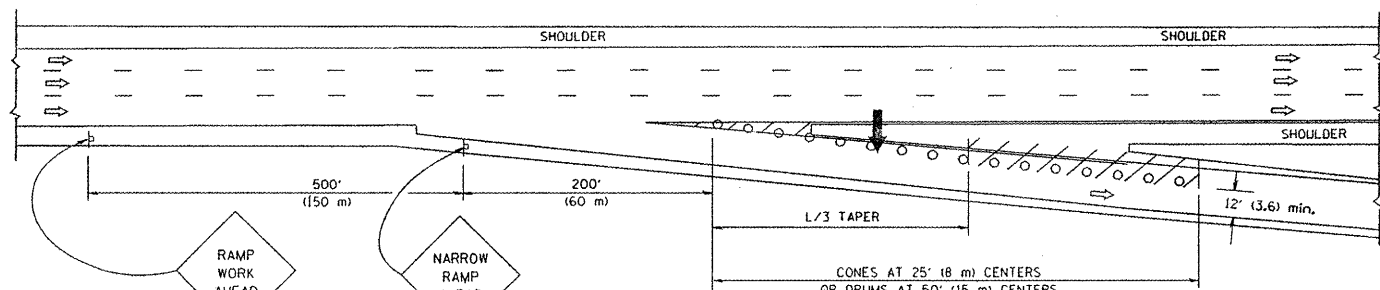
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

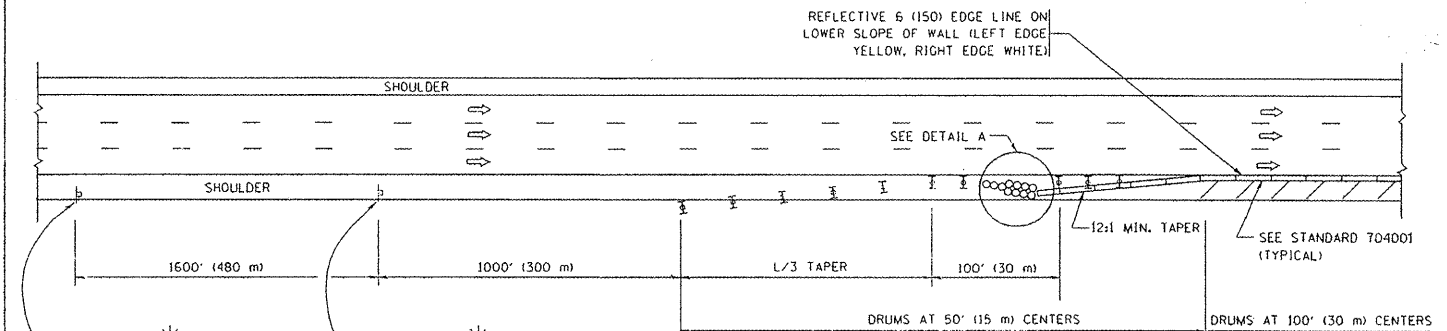
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

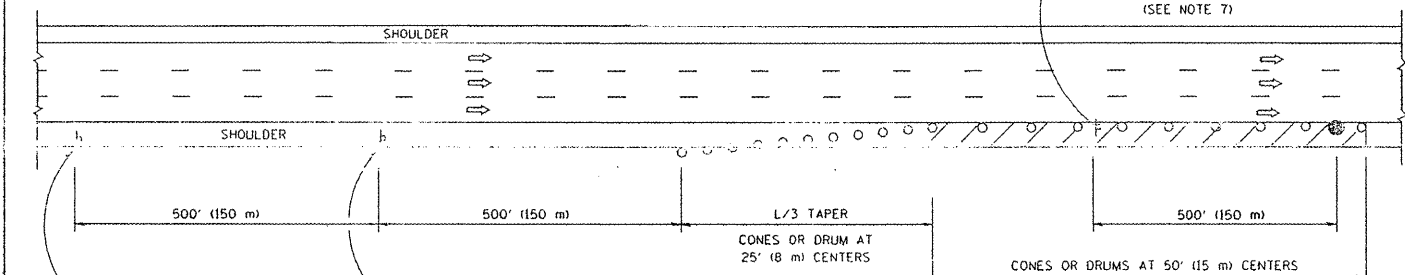
1. THE "L" DISTANCE EQUALS:
 

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC: $L=0.65(W/S)$ ENGLISH: $L=(W/S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



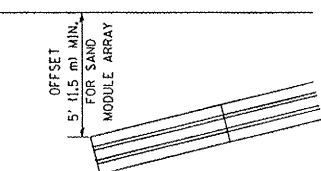
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

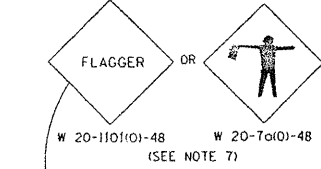
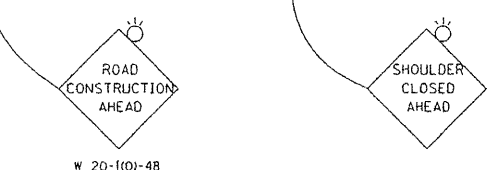
THIS DETAIL IS USED WHERE:  
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.



DETAIL "A"  
 IMPACT ATTENUATOR, TEMPORARY  
 (SEE NOTE 5)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



FILE NAME =	USER NAME = goglionob
W:\dststd\22x34\17.dgn	

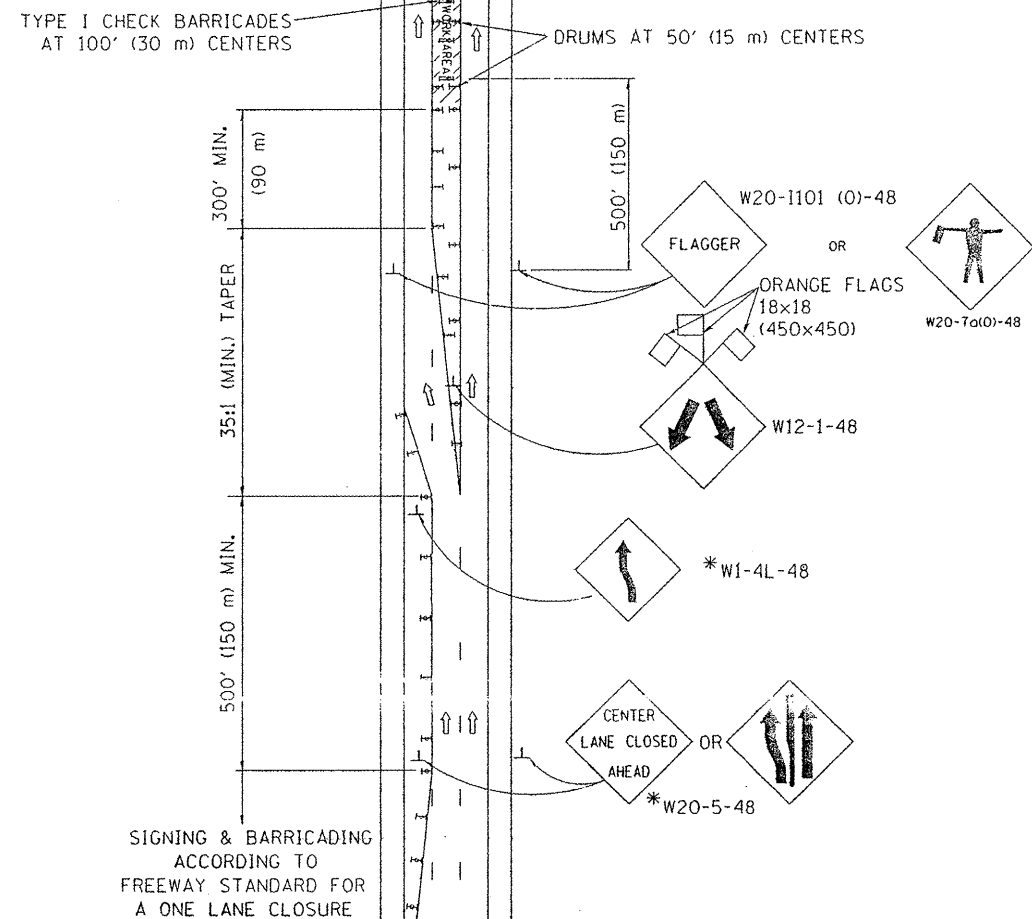
DESIGNED -	REVISD - J.A.F. 12-02
DRAWN - D.W.S.	REVISD - 04-03
CHECKED -	REVISD - J.A.F. 12-06
DATE - 11-96	REVISD - S.P.B. 01-07

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY	
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

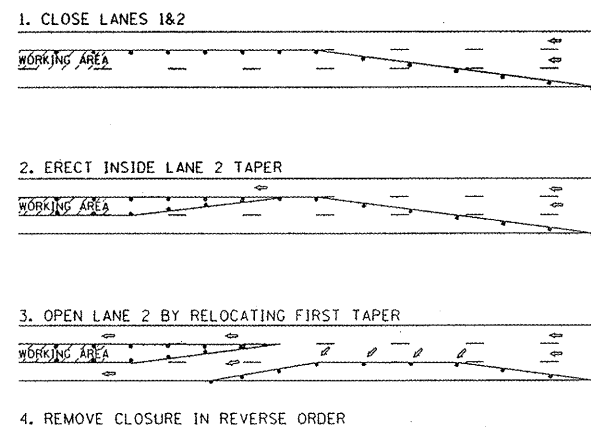
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
			69
TC-17		CONTRACT NO.	60F04
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

# CENTER LANE CLOSURE



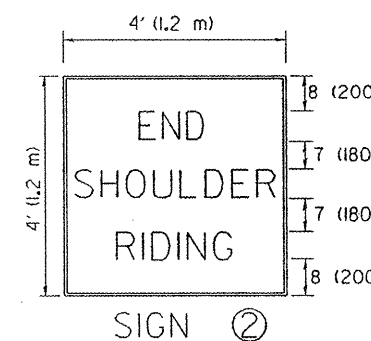
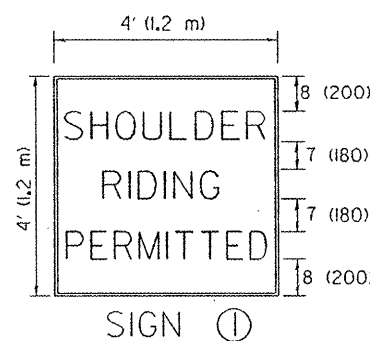
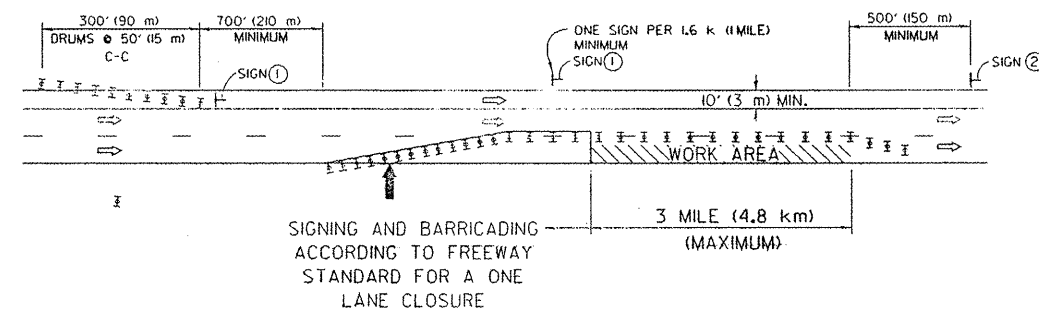
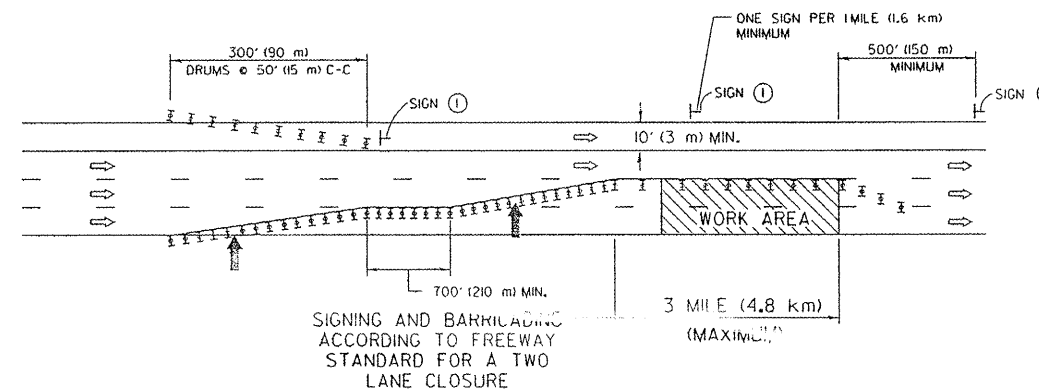
1. DAY OPERATIONS: CONES SHALL BE USED AT 25' (8 m) CENTERS ON TAPERS AND AT 50' (15 m) CENTERS ON TANGENTS.
2. NIGHT OPERATIONS: DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
3. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.

### INSTALLATION SEQUENCE



# SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND  
BLACK LEGEND  
WHITE REFLECT. BACKGROUND  
(25) BORDER

### SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➡ ARROWBOARD
- ▨ WORK AREA
- ◇ SIGN WITH 18x18 (450x450) ORANGE FLAGS ATTACHED \*
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT \*
- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

\* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

FILE NAME = W:\drstsd\22+34\1c25.dgn	USER NAME = goglianobv	DESIGNED -	REVISED - J.A.F. 04-03
		DRAWN -	REVISED - S.P.B. 01-07
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY  
CENTER LANE CLOSURE SHOULDER LANE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-25		69	69
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60F04	