

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54 - 1 = 53	1

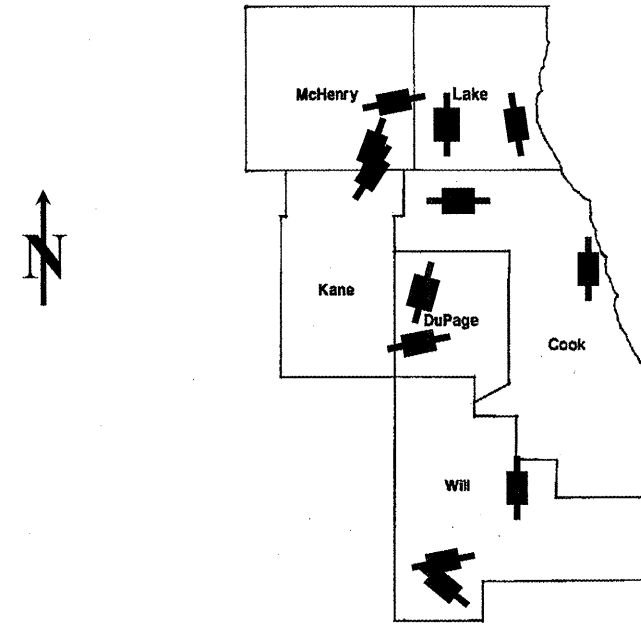
FOR INDEX OF SHEETS SEE SHEET 2

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 016-0948
- LOCATION 10) SN 099-0091
- LOCATION 11) SN 099-0171
- LOCATION 12) SN 099-0203

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

SUBMITTED: FEBRUARY 13, 2009

Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 27, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 2009
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	54	2

Contract 60F04

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52	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
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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
701601-03	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	54	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.

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	2008-051 BP	COOK	54	4

GENERAL NOTES FOR PAINT

Contract 60F02

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), AND TWO (2) AIR MONITORS PER LOCATIONS 5 (SN 049-0022,-0023), 7 (SN 022-0038), 9 (SN 016-0948), 10 (SN 099-0091), 11 (SN 099-0171), AND 12 (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) & 10(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), 9(SN 016-0984), 11(SN 099-0171) AND 12(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 10(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.

SHEET 1 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PAINT NOTES

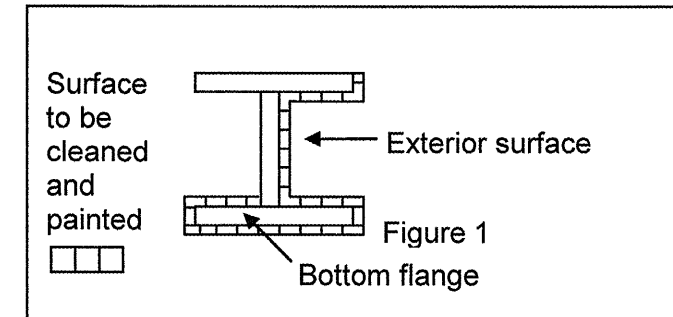
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-051 BP	COOK	54	5

Contract 60F02

GENERAL NOTES FOR PAINT

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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	6

URBAN
100%
STATE

CONTRACT NO. 60F04

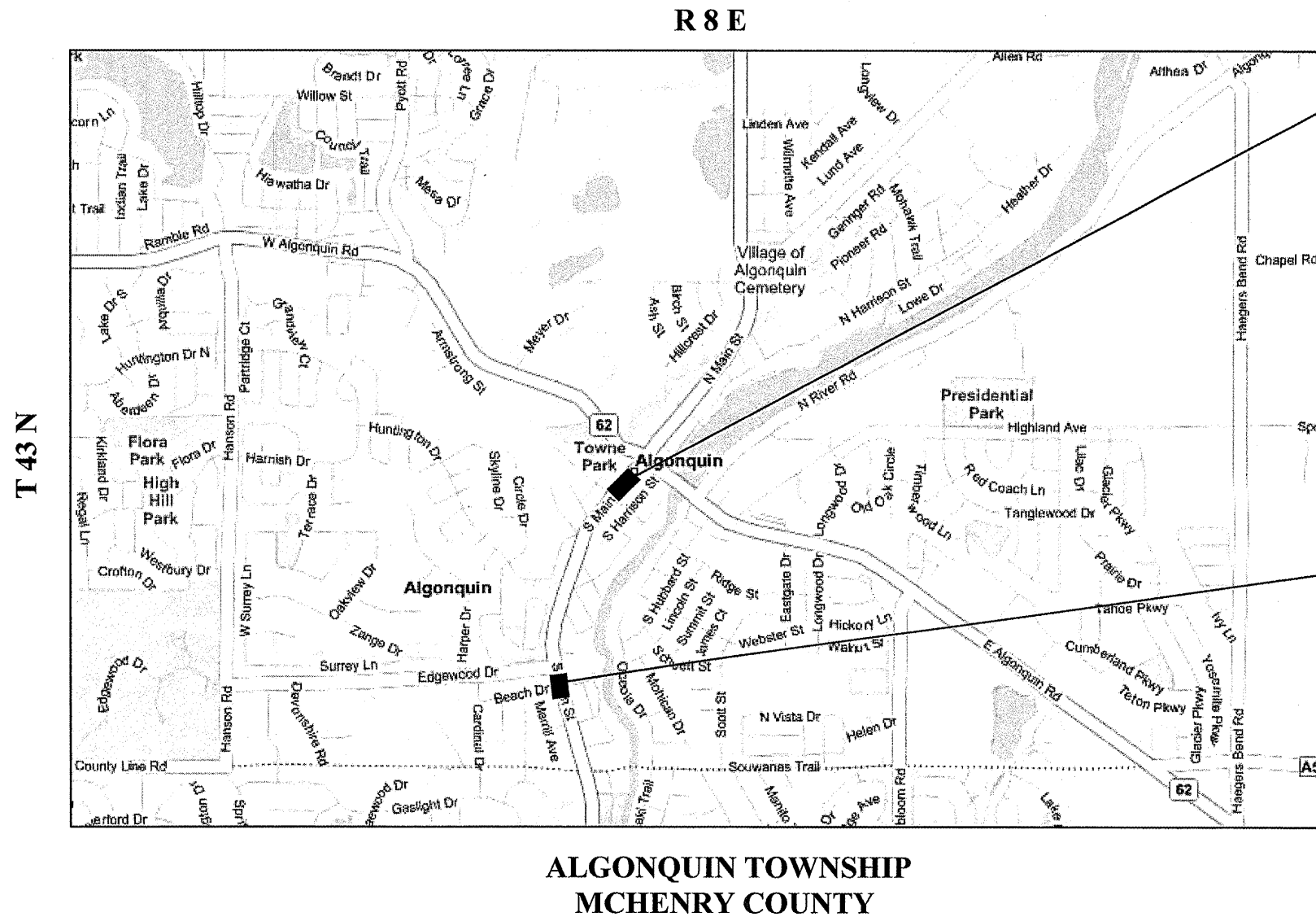
SUMMARY OF QUANTITIES

Code No.	Description	Unit	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: SFTY - 2A														
				McHENRY COUNTY			LAKE COUNTY		DuPAGE 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	LOCATION 5 SN 049-0023	LOCATION 6 SN 022-0022	LOCATION 7 SN 022-0038	LOCATION 8 SN 016-0133	LOCATION 9 SN 016-0948	LOCATION 10 SN 099-0091	LOCATION 11 SN 099-0171	LOCATION 12 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															
50601700	CLEANING AND PAINTING STEEL BRIDGE NO. 12	L SUM	1											1				
50601800	CLEANING AND PAINTING STEEL BRIDGE NO. 13	L SUM	1													1		
50606400	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1			0.11	0.07	0.08	0.08	0.08	0.11	0.22	0.05		0.06	0.07	0.07	
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	17	0.8	1.0	1.2	1.2	0.7	0.7	1.2	2.0	3.0	1.2		0.8	1.2	2.0	
67100100	MOBILIZATION	L SUM	1	0.04	0.04	0.10	0.06	0.06	0.07	0.07	0.10	0.21	0.06		0.05	0.07	0.07	
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							1								
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	480	48	48	48	48	24	24	48		48	48		48	48		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1															1.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1				0.33				0.33		0.34					

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

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

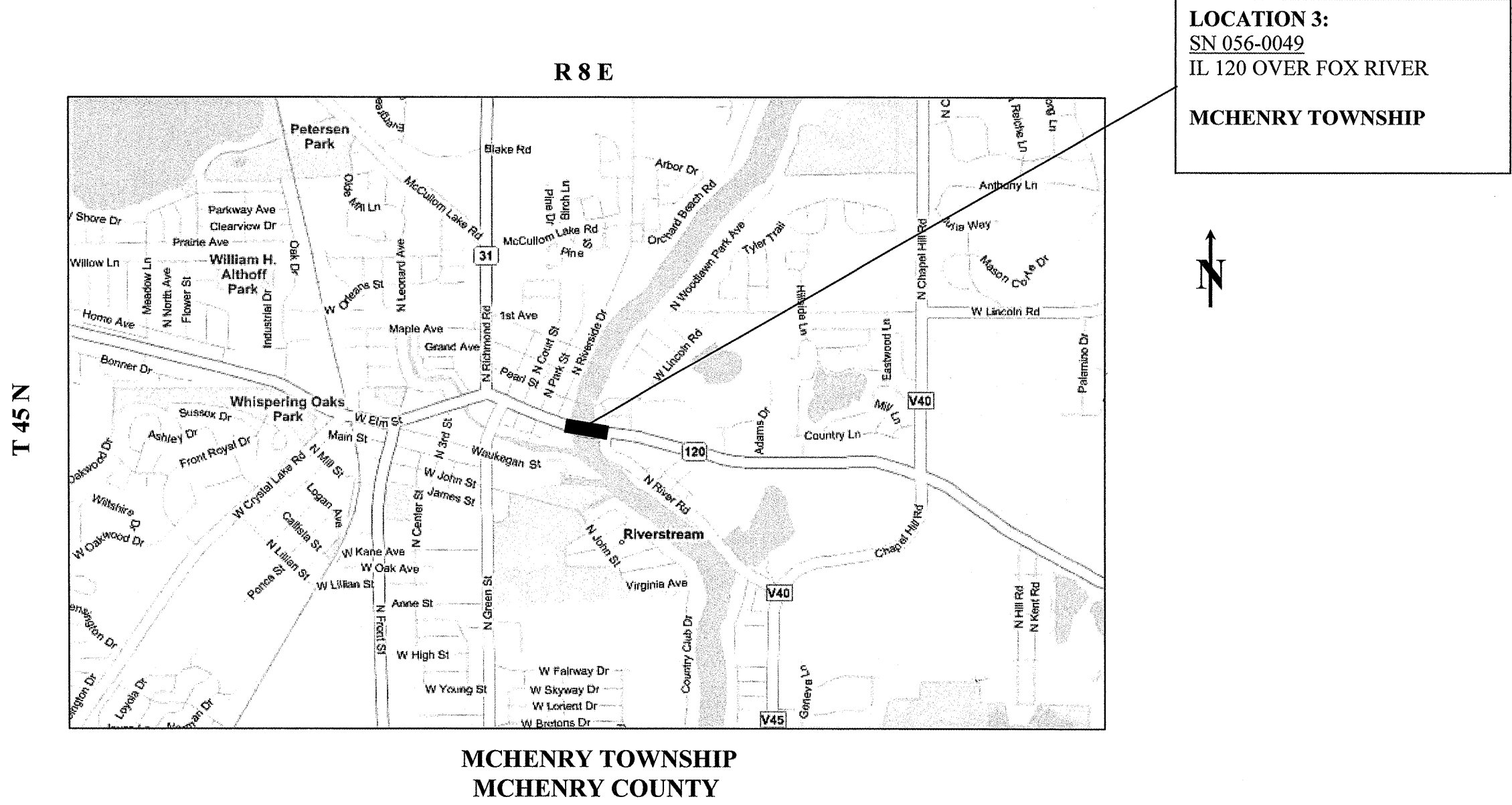


TRAFFIC DATA: IL 31
 2007 ADT = 17,300
 POSTED SPEED LIMIT = 45 MPH

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	54	8

CONTRACT NO. 60F04



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

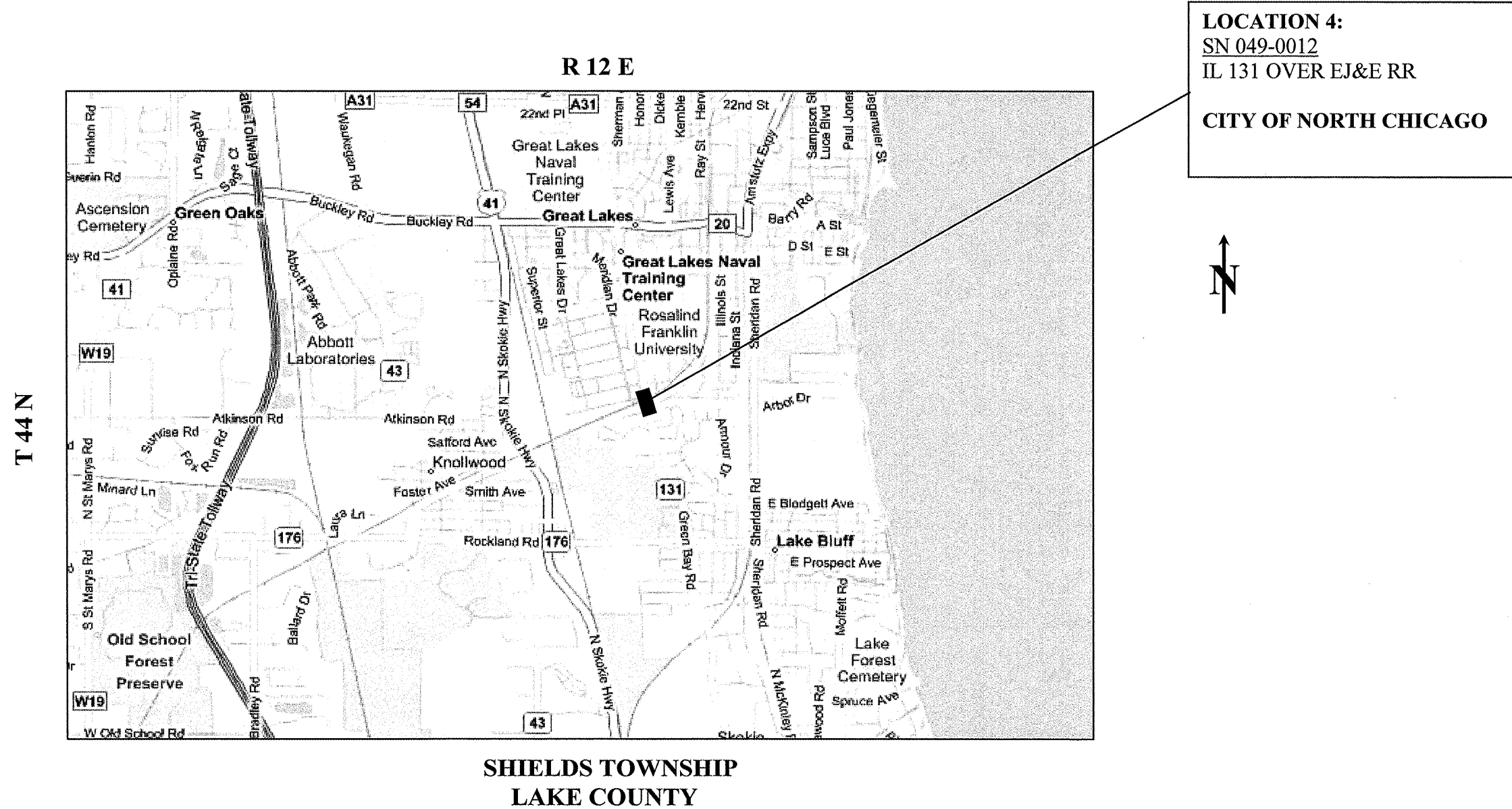
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

LOCATION 3: IL 120 OVER FOX RIVER

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	9

CONTRACT NO. 60F04



TRAFFIC DATA: IL 131	
2007 ADT	= 11,800
POSTED SPEED LIMIT	= 40 MPH

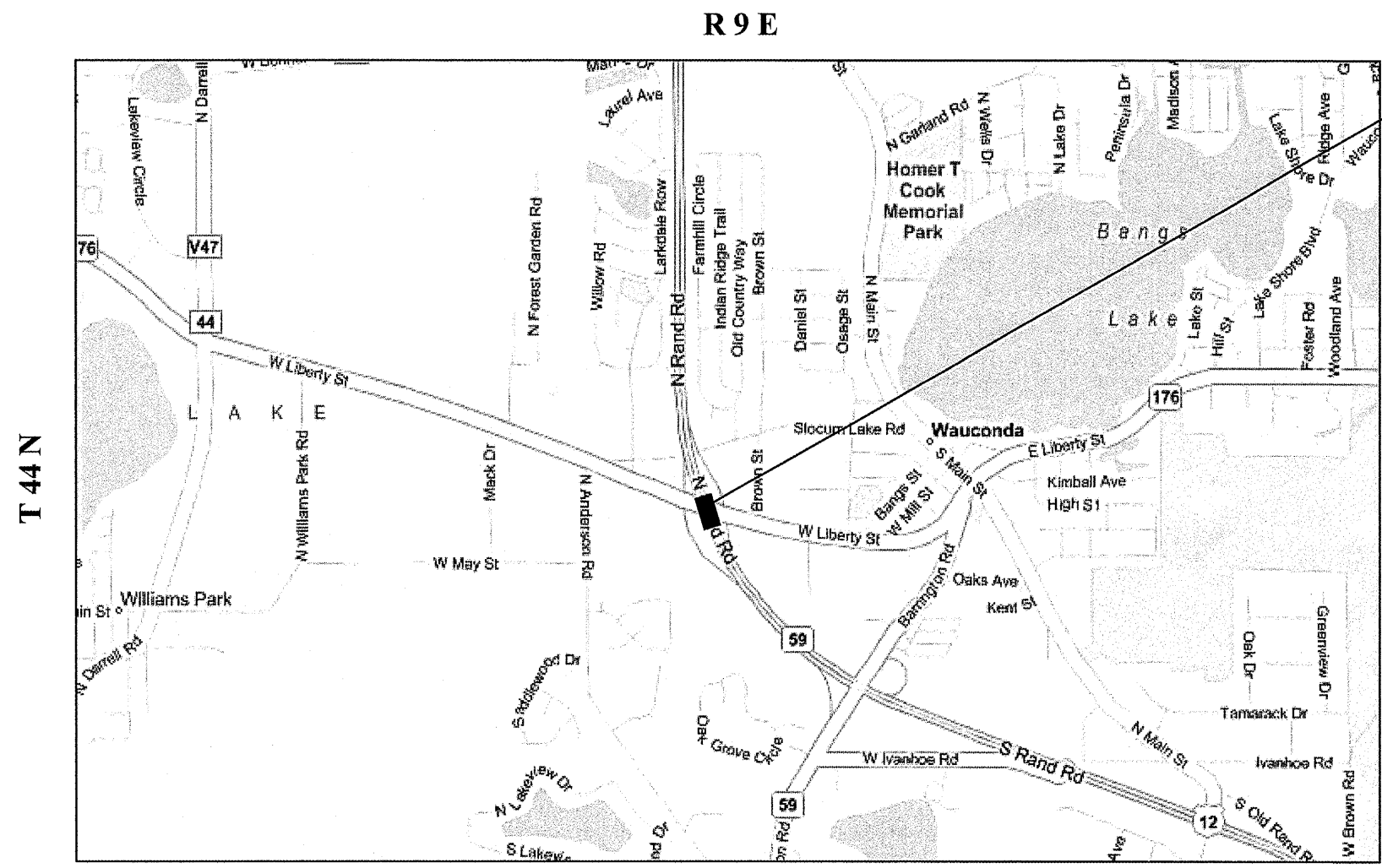
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

LOCATION 4: IL 131 OVER EJ&E RR

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

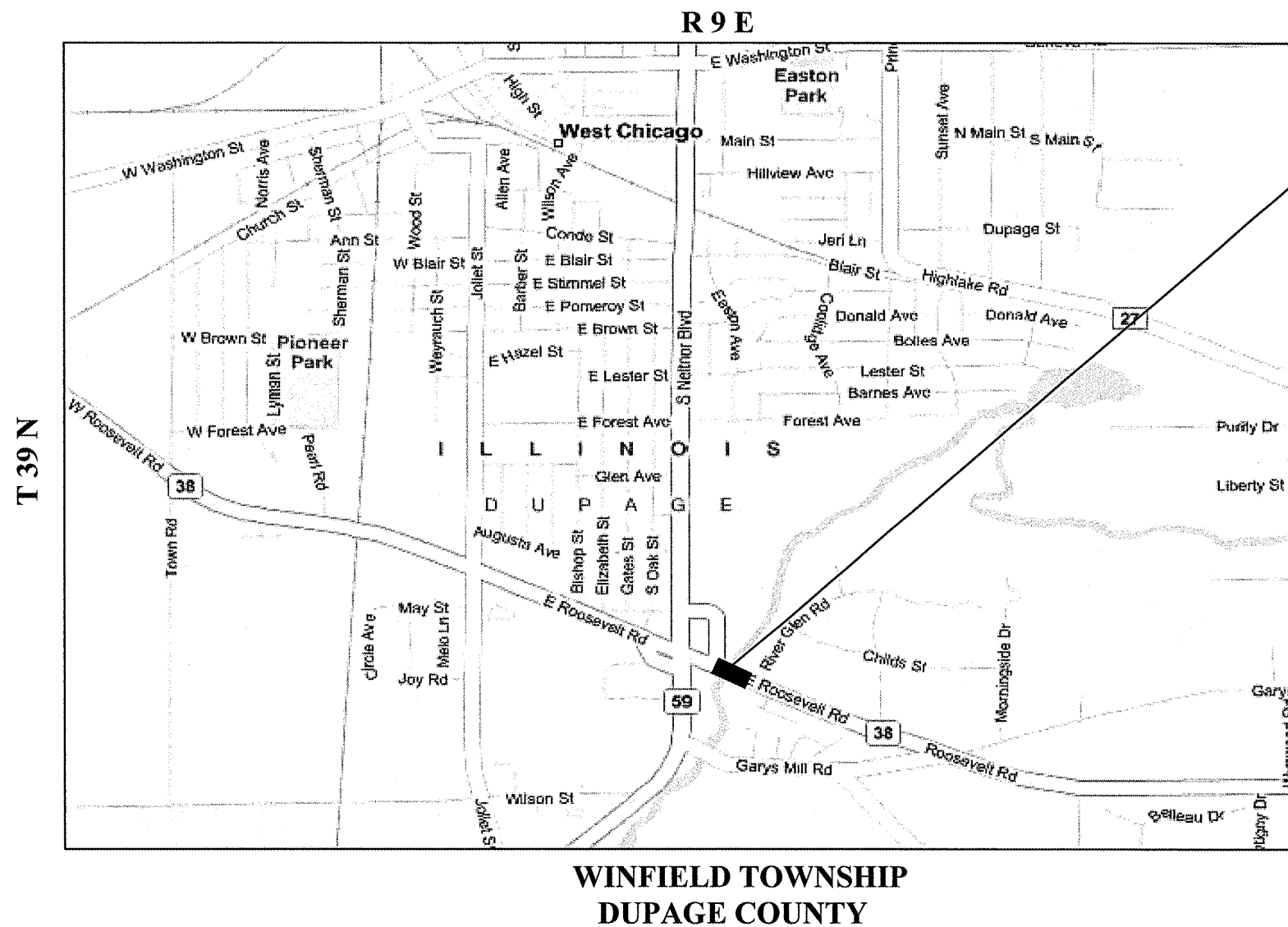
TRAFFIC DATA: US 12
 2007 ADT = 18,950
 POSTED SPEED LIMIT = 55 MPH

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	54	11

CONTRACT NO. 60F04



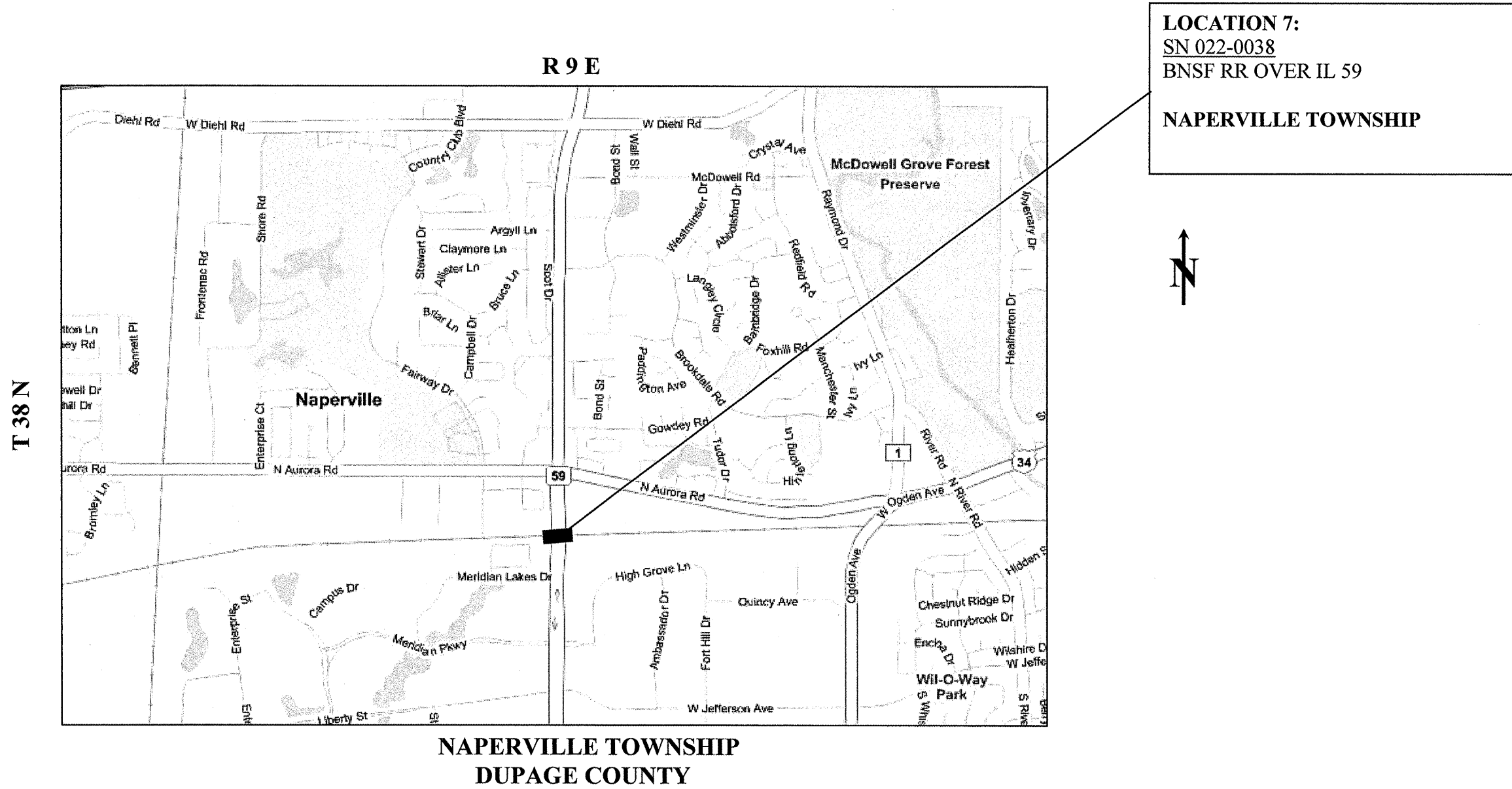
LOCATION 6:
 SN 022-0022
 IL 38 (ROOSEVELT RD.) OVER W.
 BR. DUPAGE RIVER
CITY OF WEST CHICAGO

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	54	12

CONTRACT NO. 60F04



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

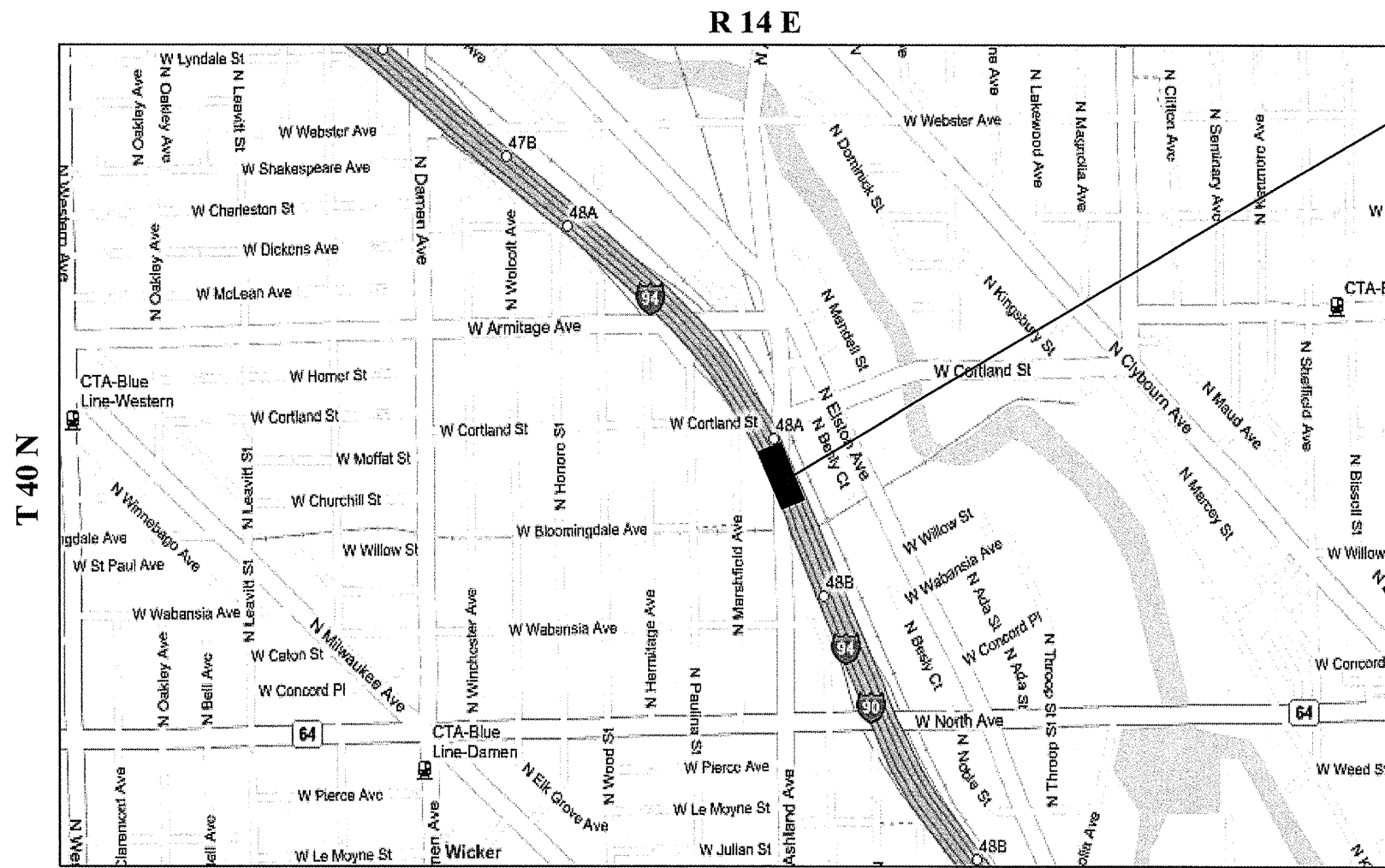
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

LOCATION 7: BNSF RR OVER IL 59

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

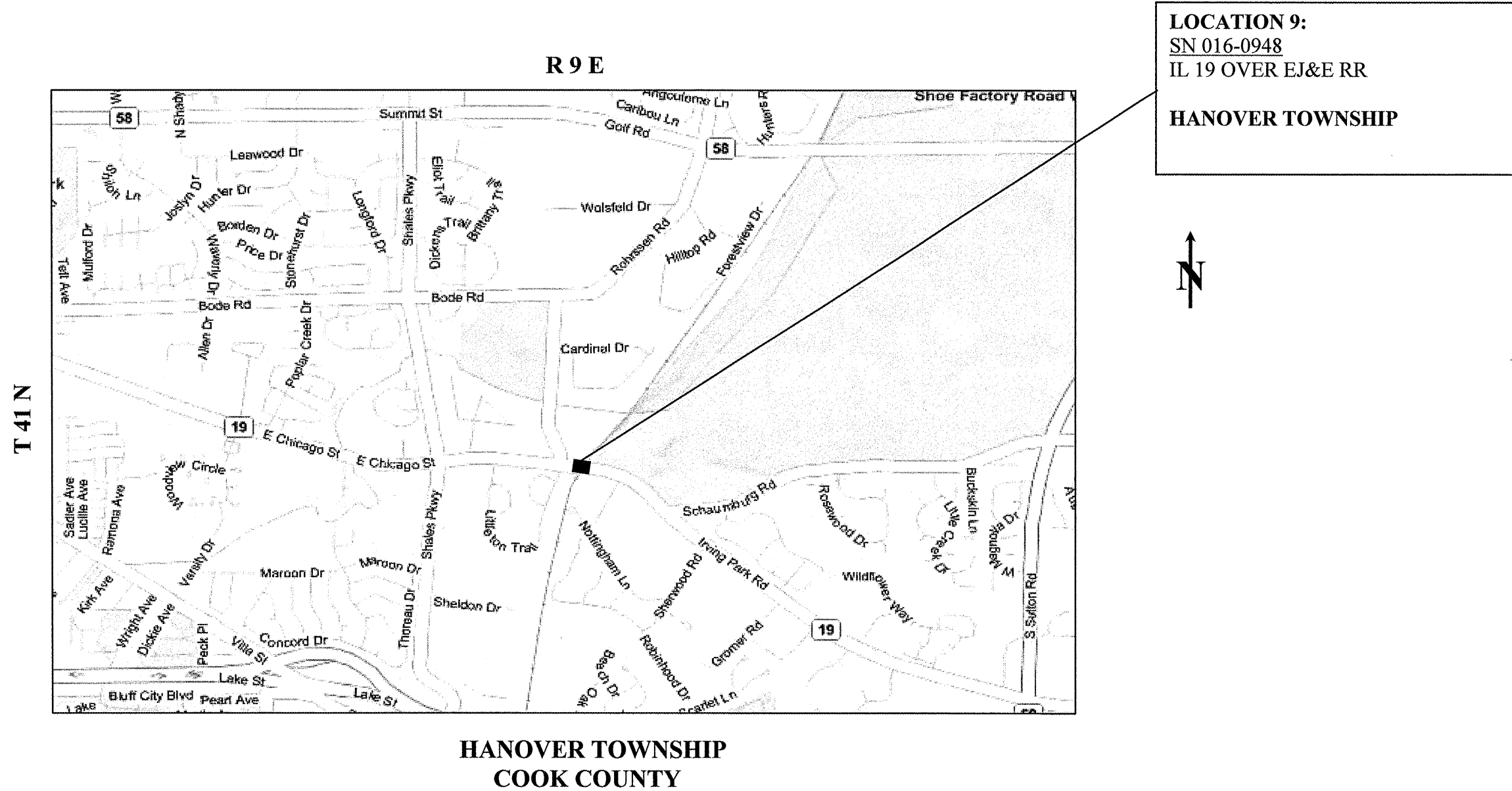
TRAFFIC DATA: I-90/94
 2006 ADT = 305,300
 POSTED SPEED LIMIT = 55 MPH

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	54	14

CONTRACT NO. 60F04



LOCATION 9:
 SN 016-0948
 IL 19 OVER EJ&E RR
 HANOVER TOWNSHIP



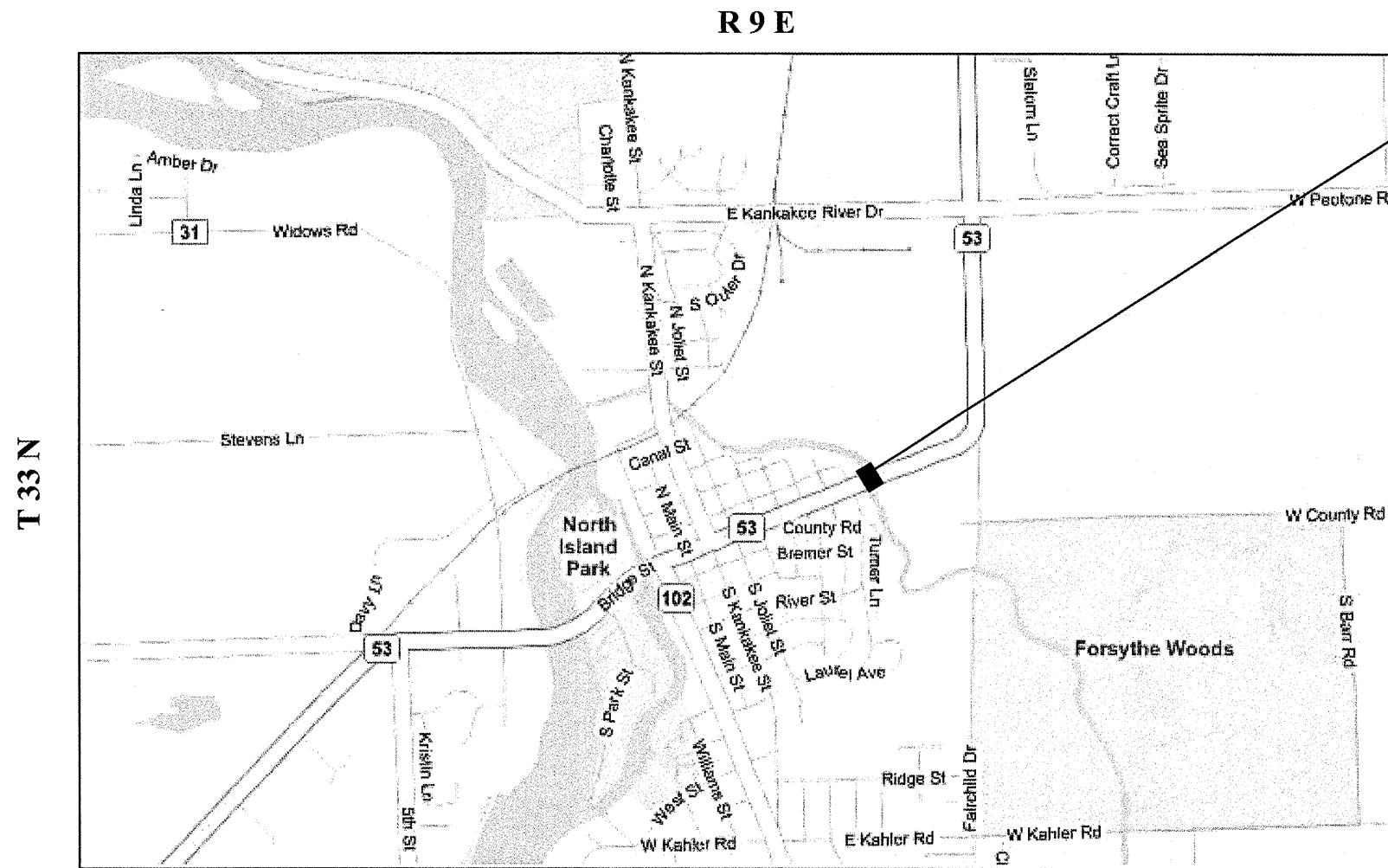
**HANOVER TOWNSHIP
 COOK COUNTY**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION MAPS
 LOCATION 9: IL 19 OVER EJ&E RR

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	15

CONTRACT NO. 60F04



LOCATION 10:
SN 099-0091
 IL 53 OVER FORKED CREEK
CITY OF WILMINGTON



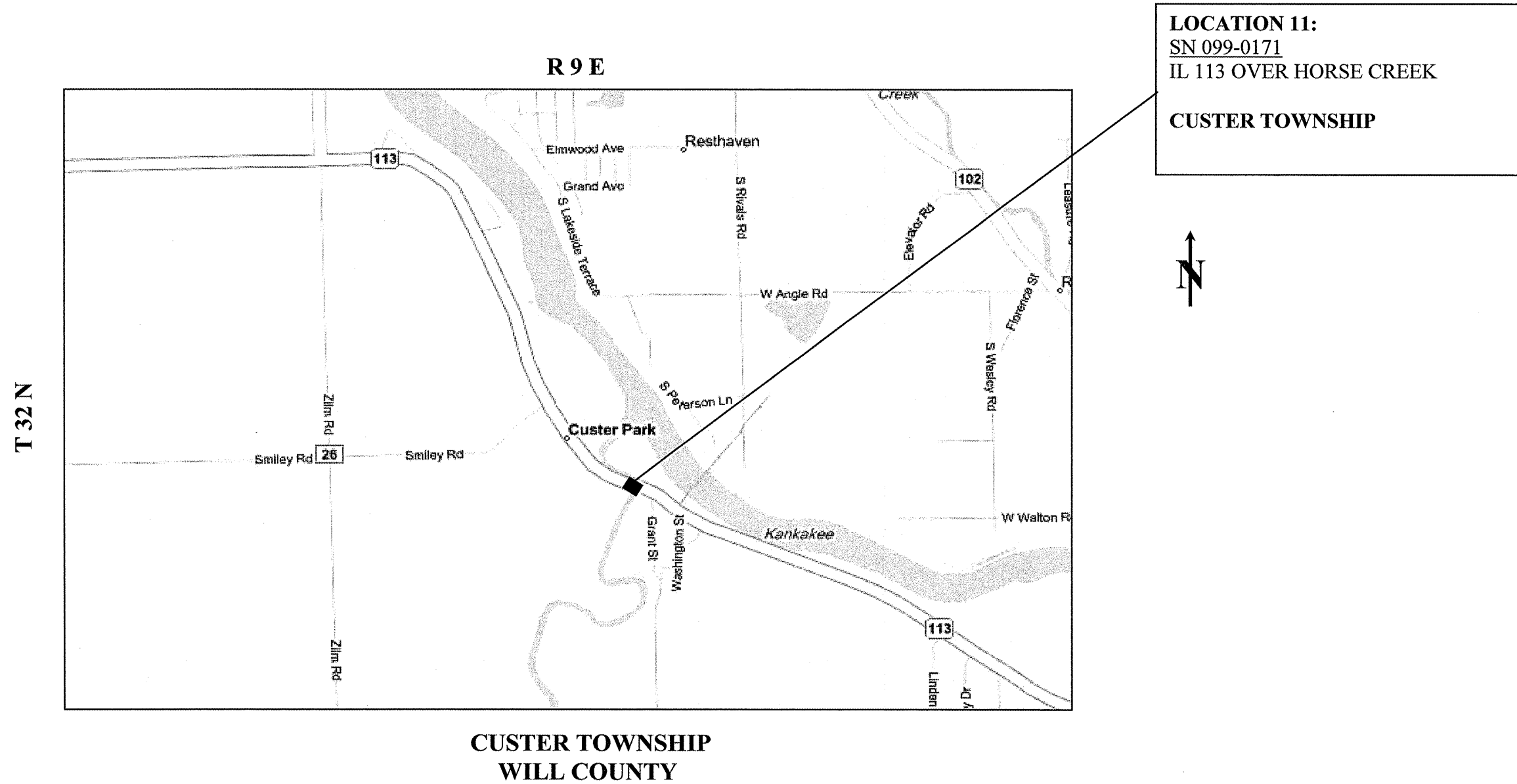
**WILMINGTON TOWNSHIP
 WILL COUNTY**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION MAPS
 LOCATION 10: IL 53 OVER FORKED CREEK

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	16

CONTRACT NO. 60F04



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

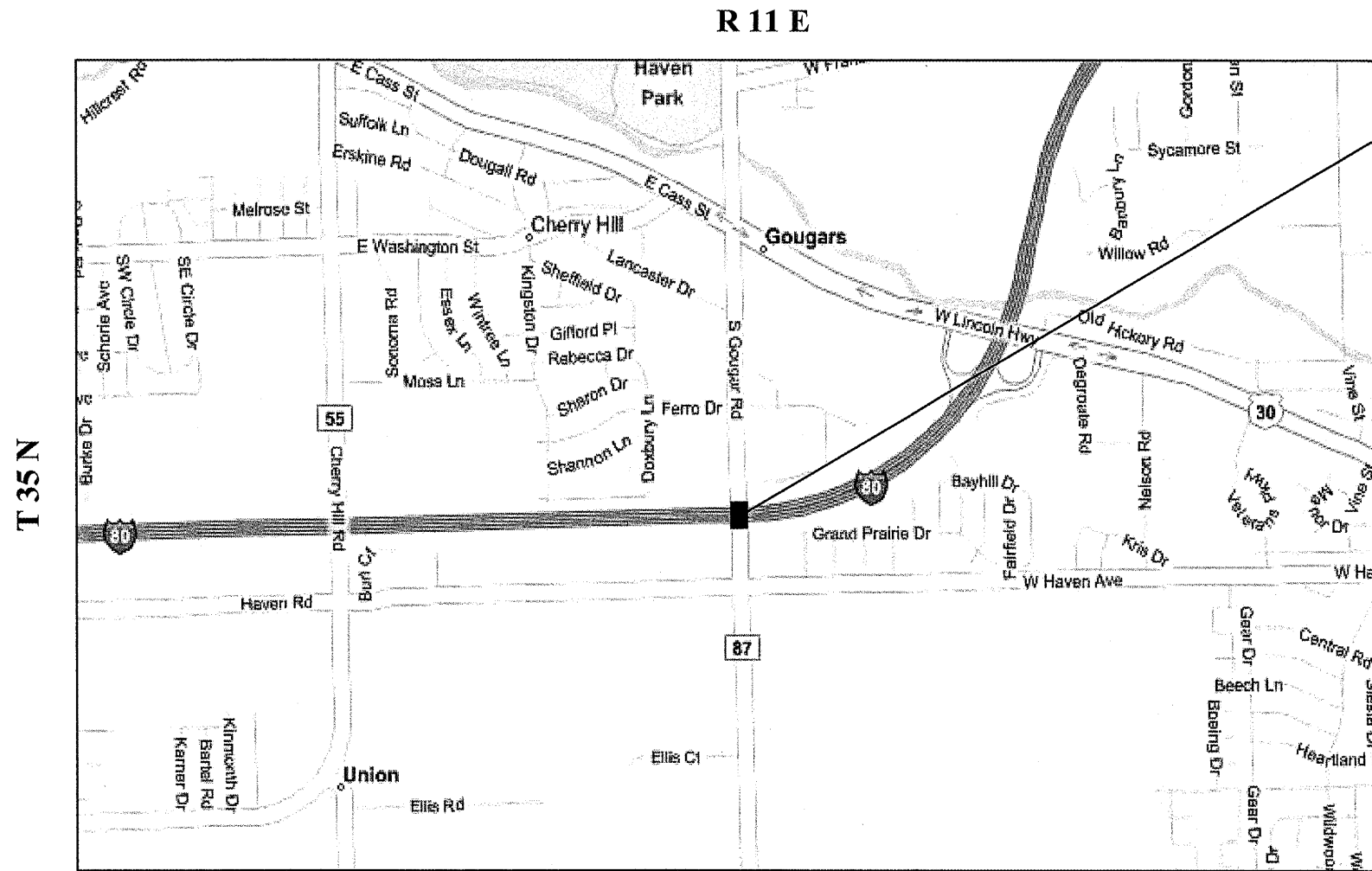
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

LOCATION 11: IL 113 OVER HORSE CREEK

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	17

CONTRACT NO. 60F04



LOCATION 12:
 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

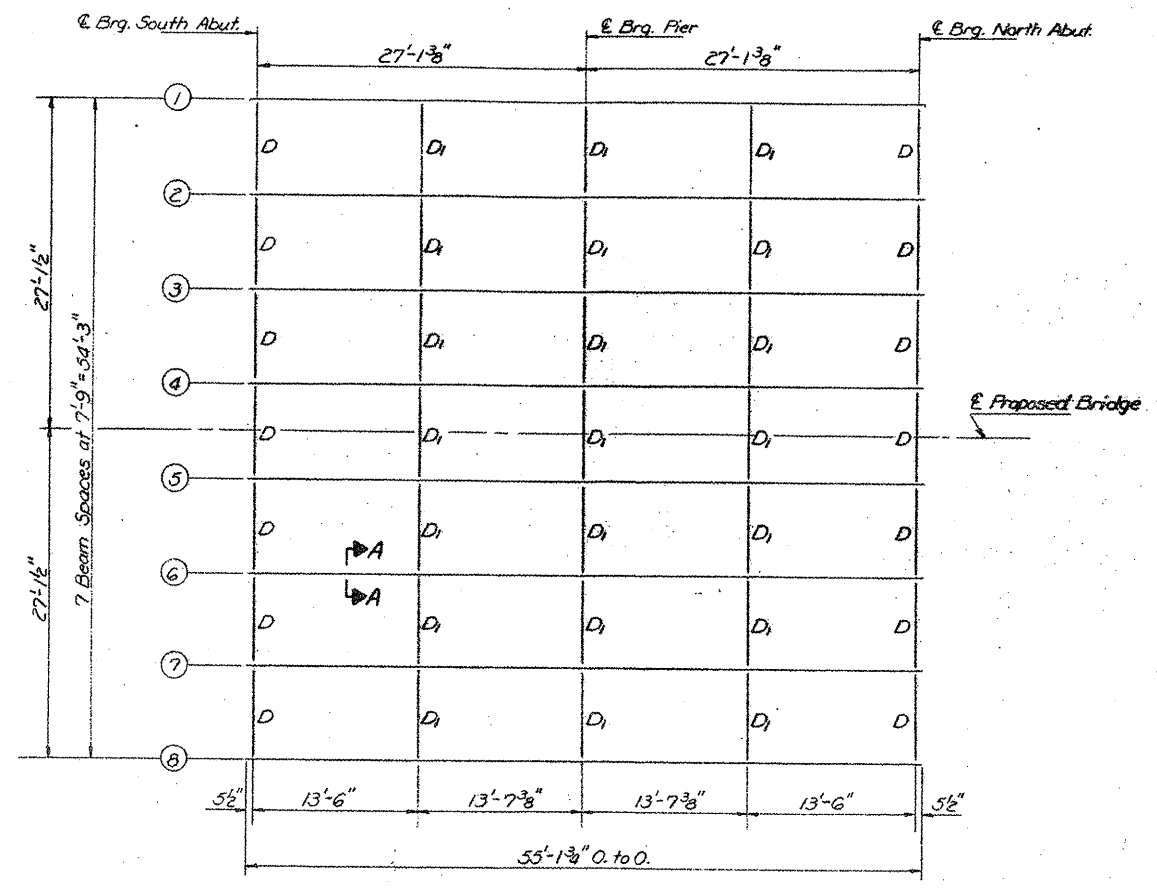
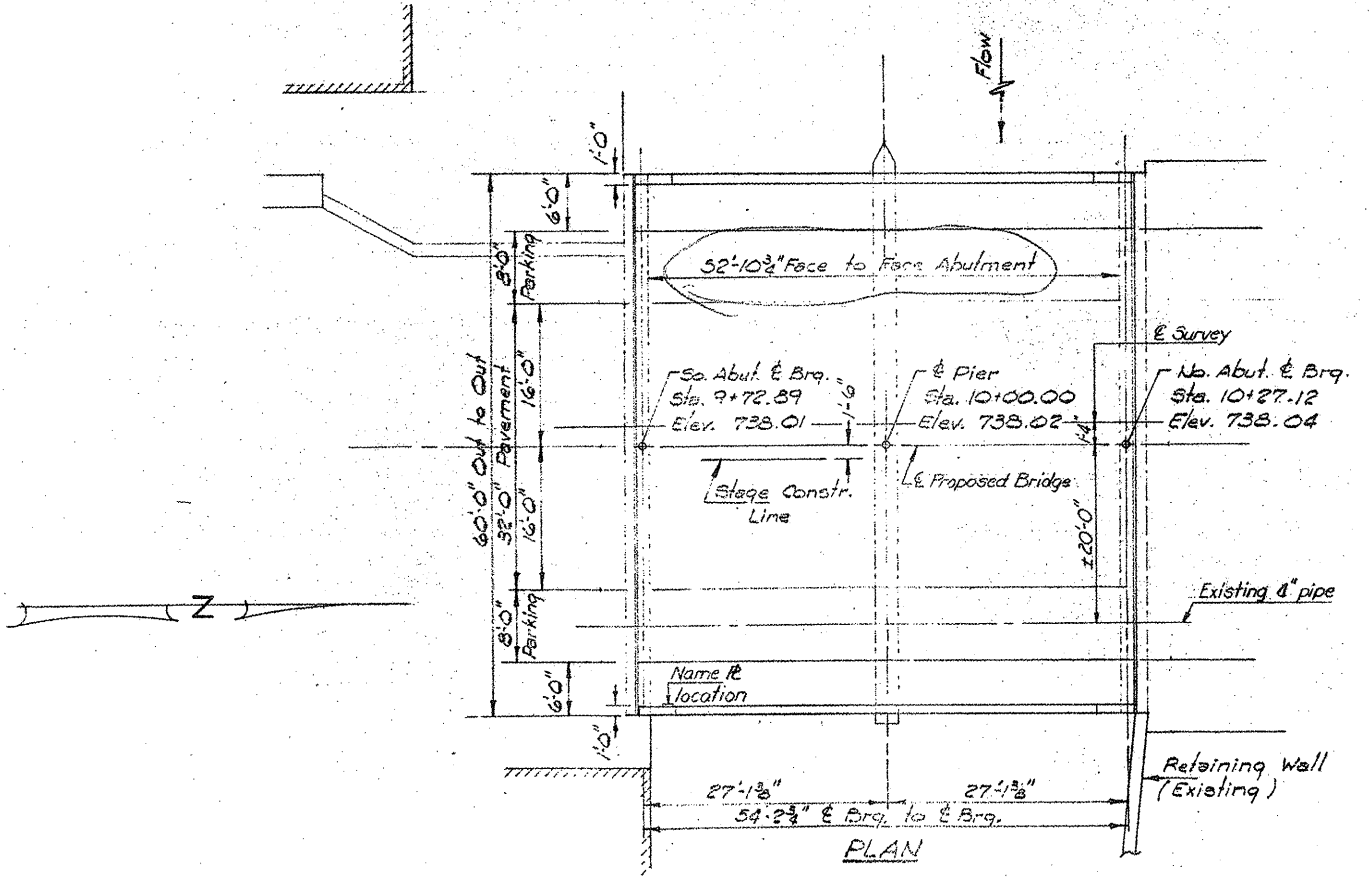
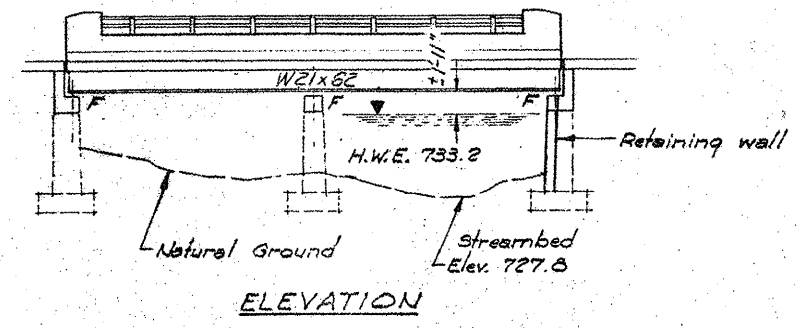
LOCATION MAPS

LOCATION 12: GOUGAR RD. OVER I-80

★ PAGE 18 WAS DELETED ★

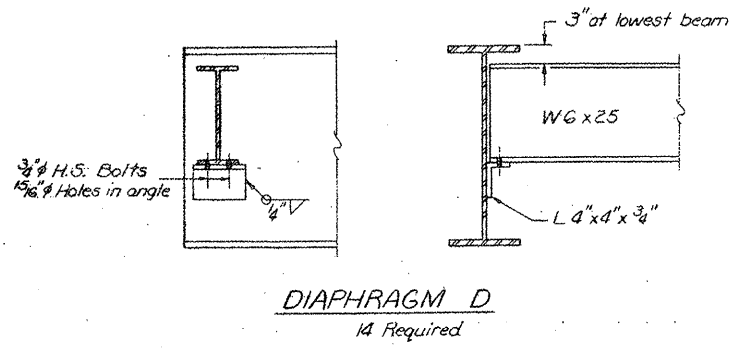
ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 19
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CONTRACT NO. 60F04

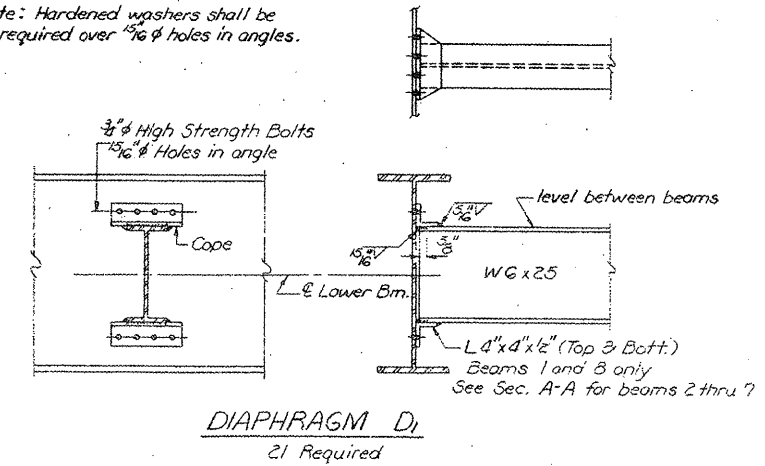


FRAMING PLAN
All beams W21x62

Note: Hardened washers shall be required over 1/16" holes in angles.



DIAPHRAGM D
14 Required

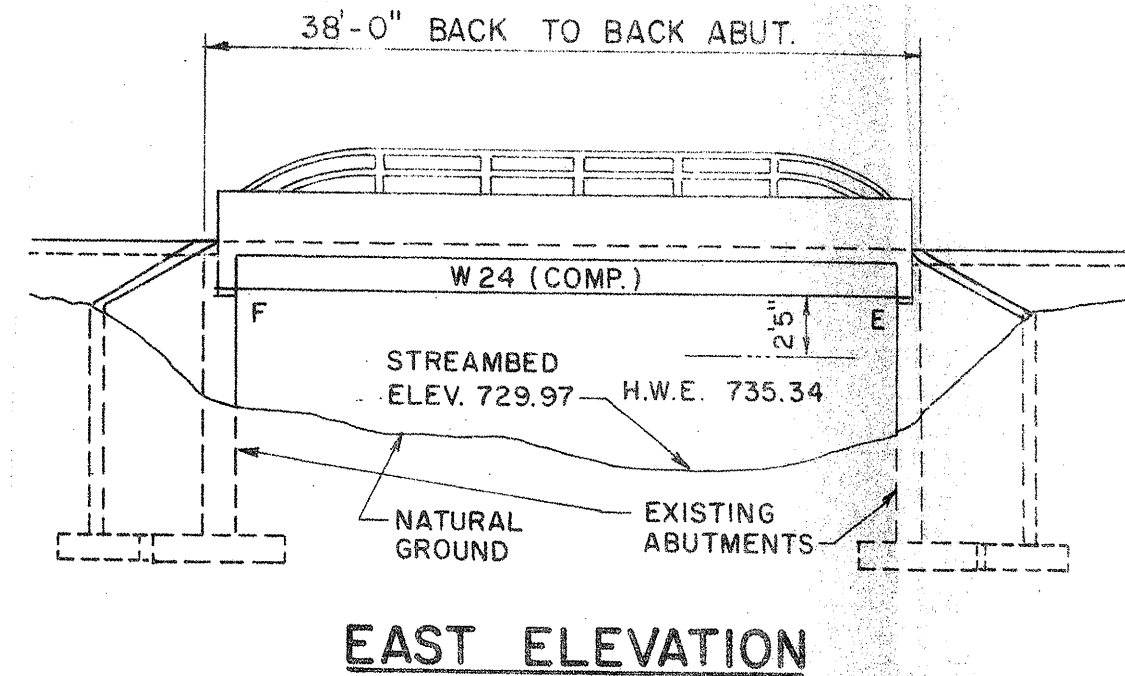
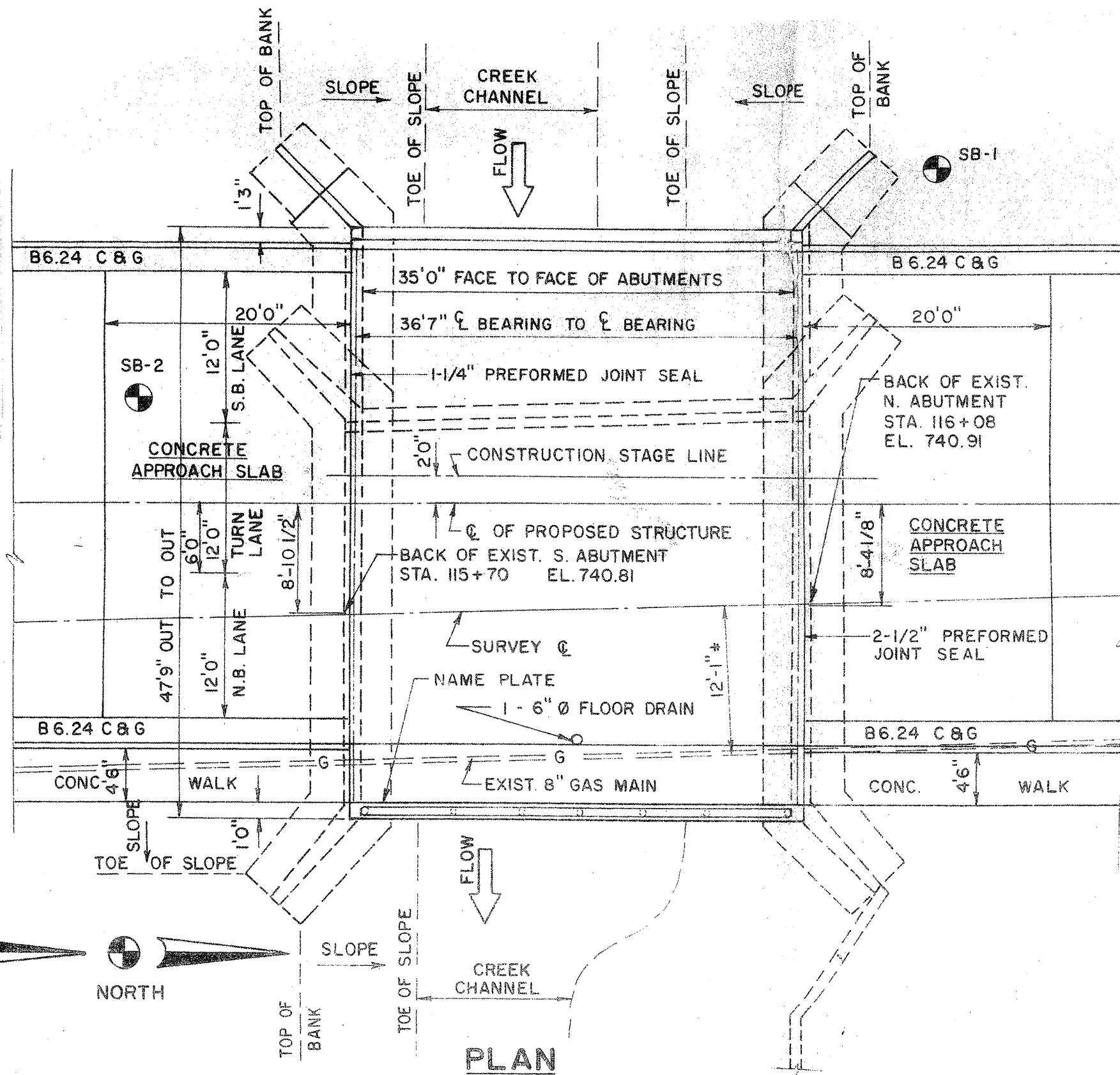


DIAPHRAGM Di
21 Required

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

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 20
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CONTRACT NO. 60F04

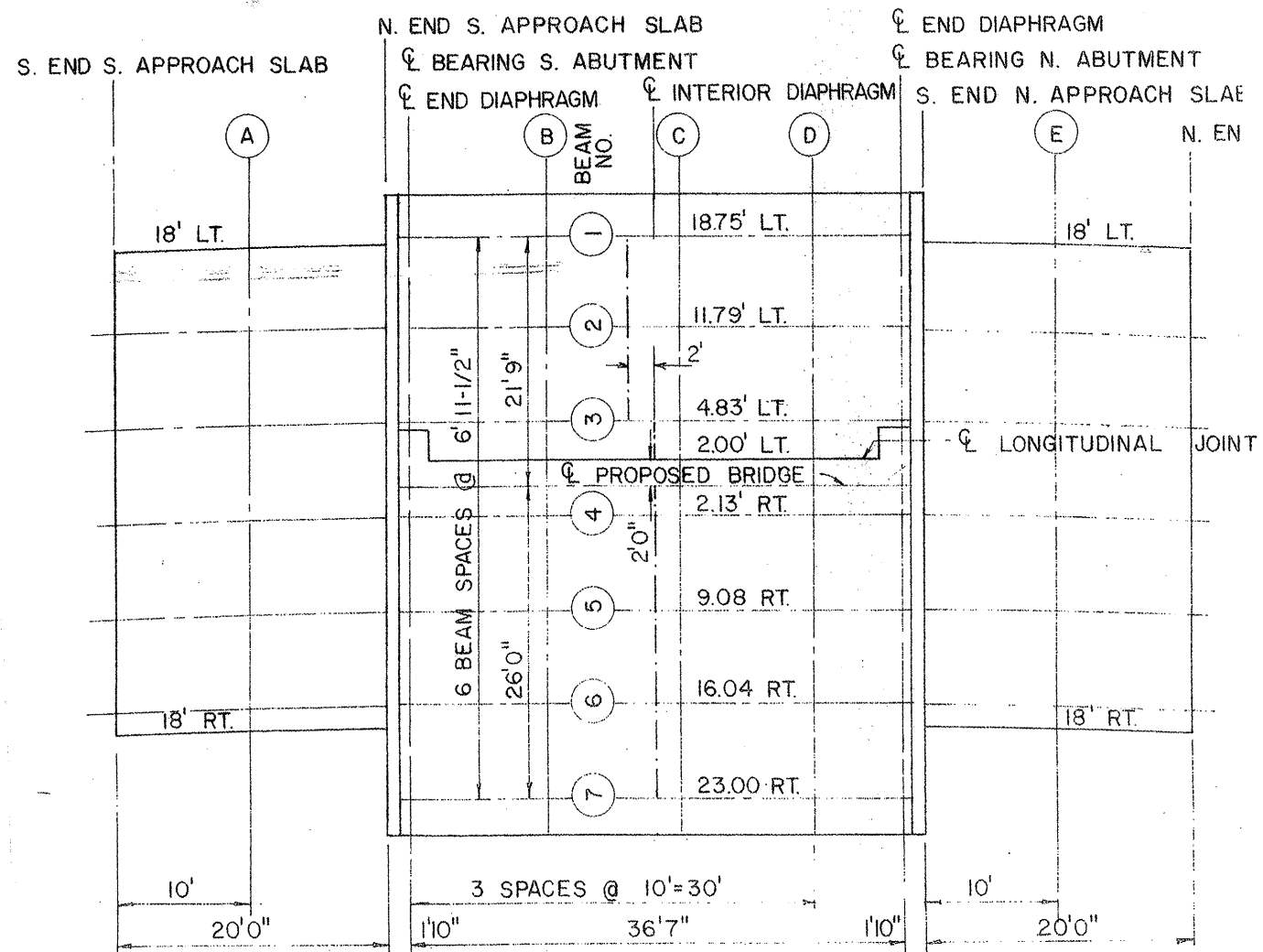


LOCATION NO. 2

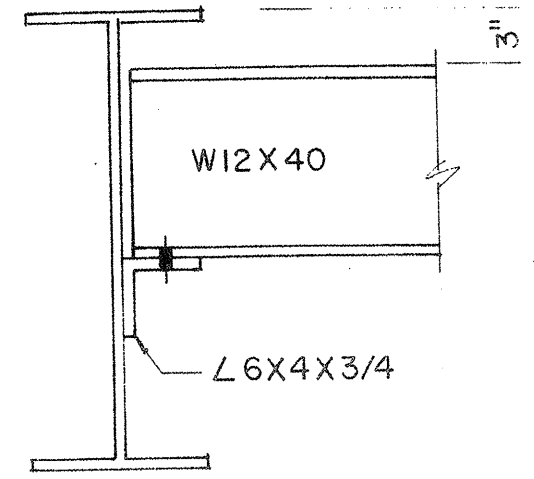
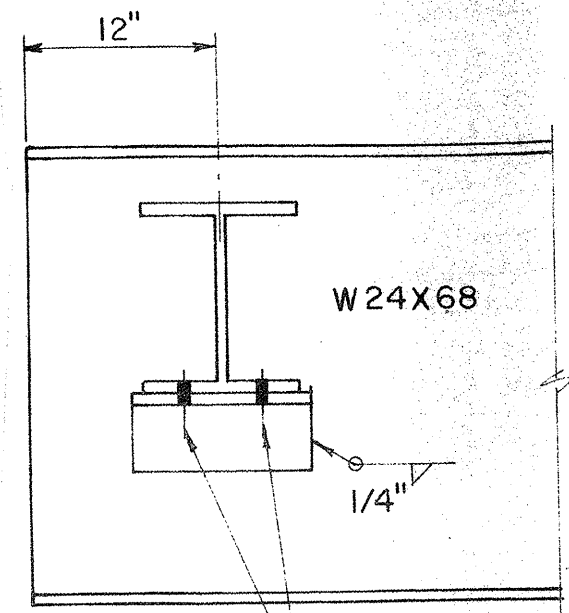
**EXIST. BRIDGE PLANS
IL 31 OVER EDGEWOOD
RAVINE SN 056-0016**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	21

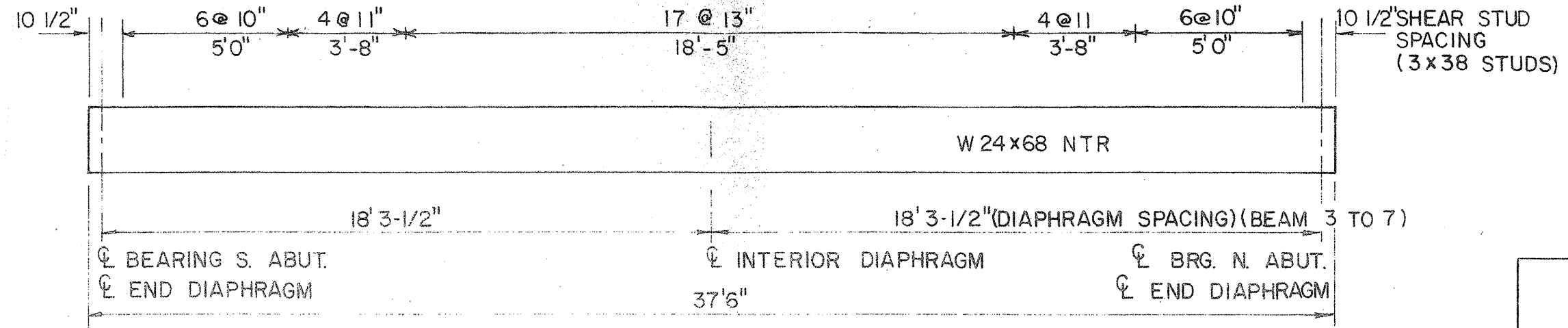
CONTRACT NO. 60F04



LOCATION GRID AND FRAMING PLAN



END DIAPHRAGM



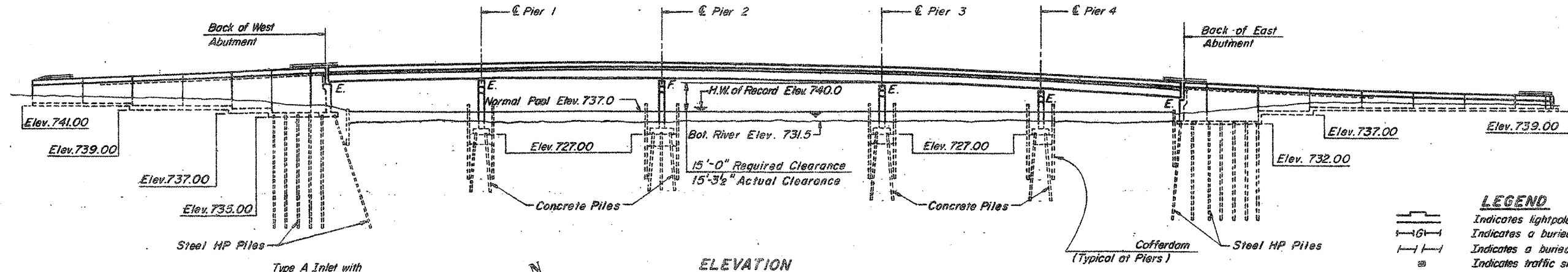
BEAM ELEVATION

NTR INDICATES NOTCH TOUGHNESS REQUIREMENT

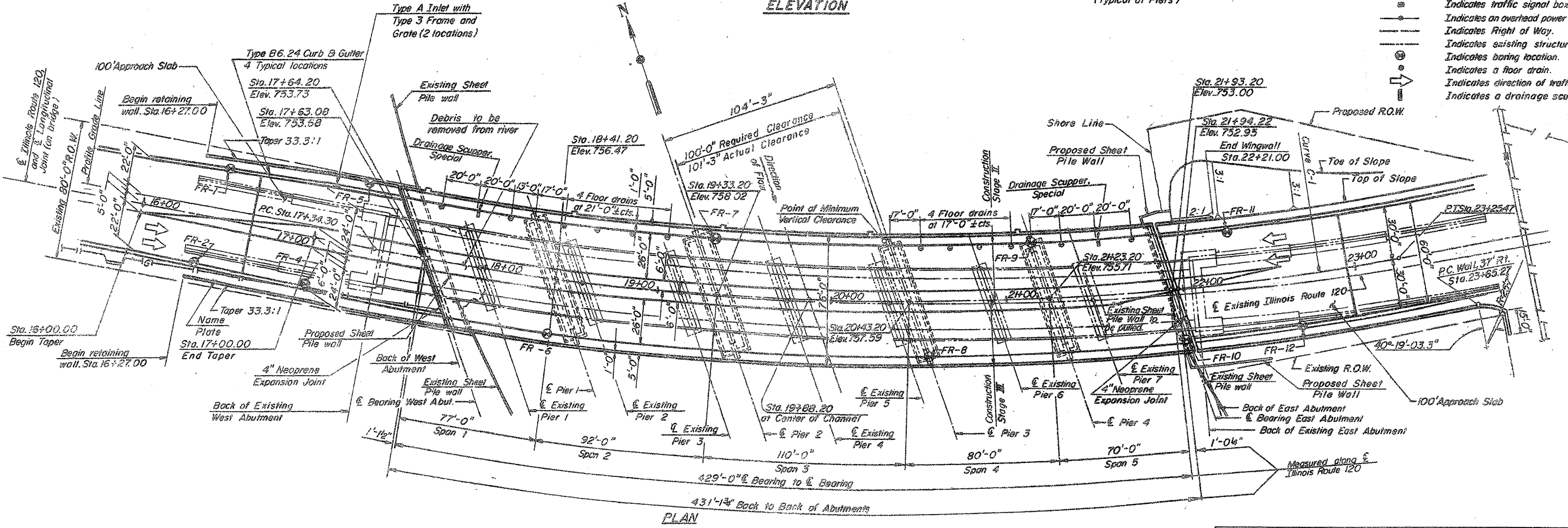
LOCATION NO. 2
EXIST. BRIDGE PLANS
IL 31 OVER EDGEWOOD
RAVINE SN 056-0016

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	22

CONTRACT NO. 60F04



- 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 lanes
 - Indicates a drainage scupper

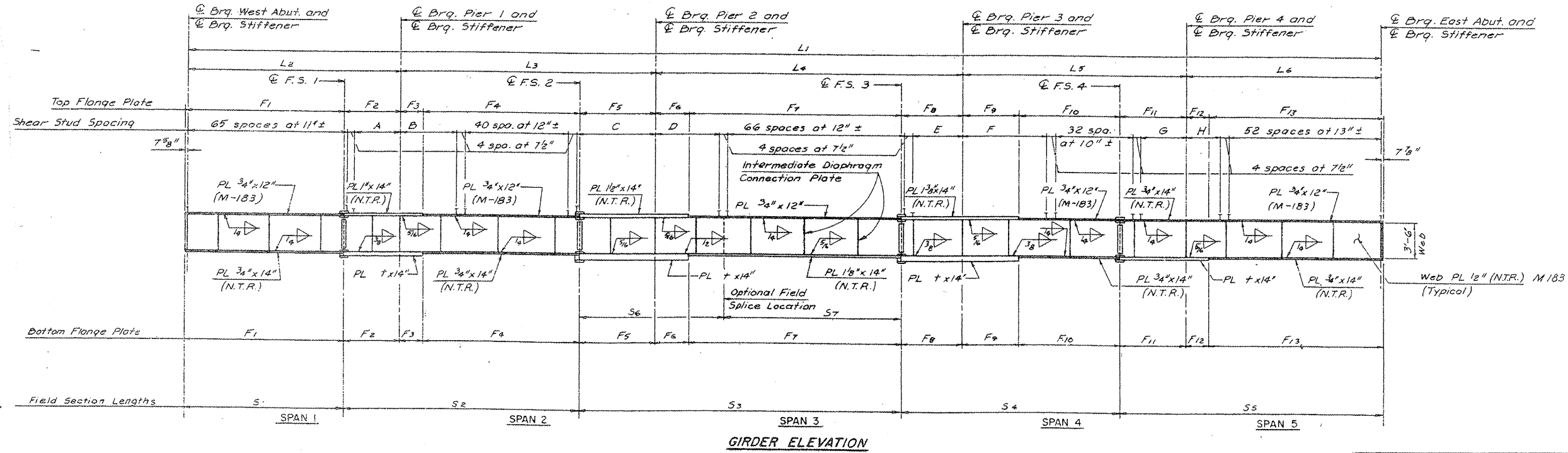
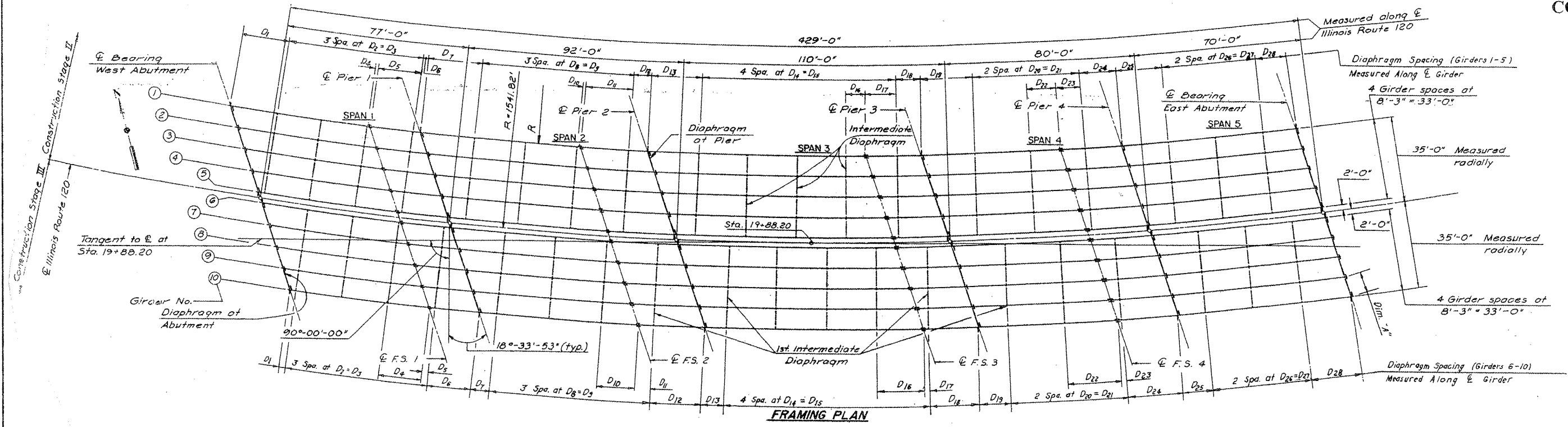


LOCATION NO. 3

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

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 23
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CONTRACT NO. 60F04

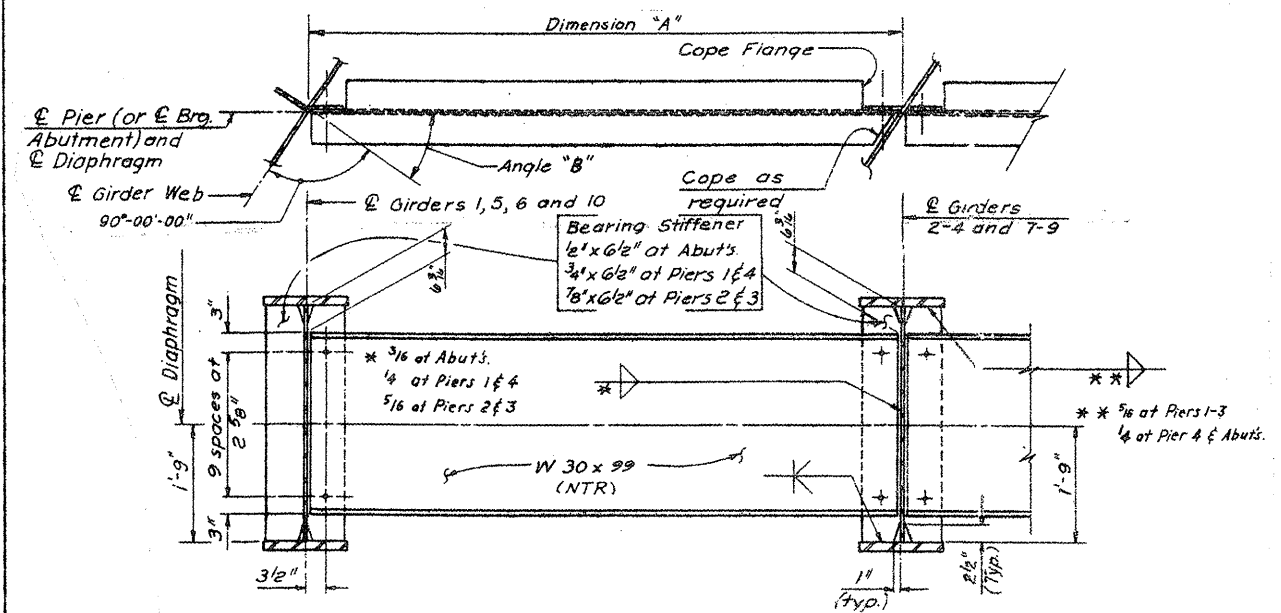


LOCATION NO. 3

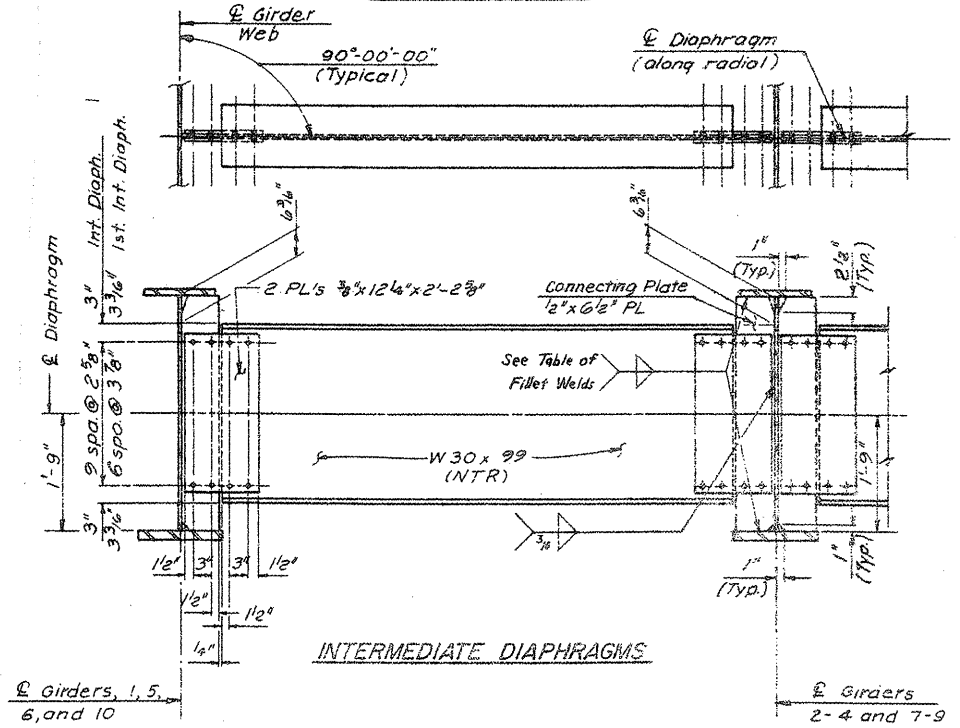
EXIST. BRIDGE PLANS
IL 120 OVER FOX RIVER
SN 056-0049

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 24
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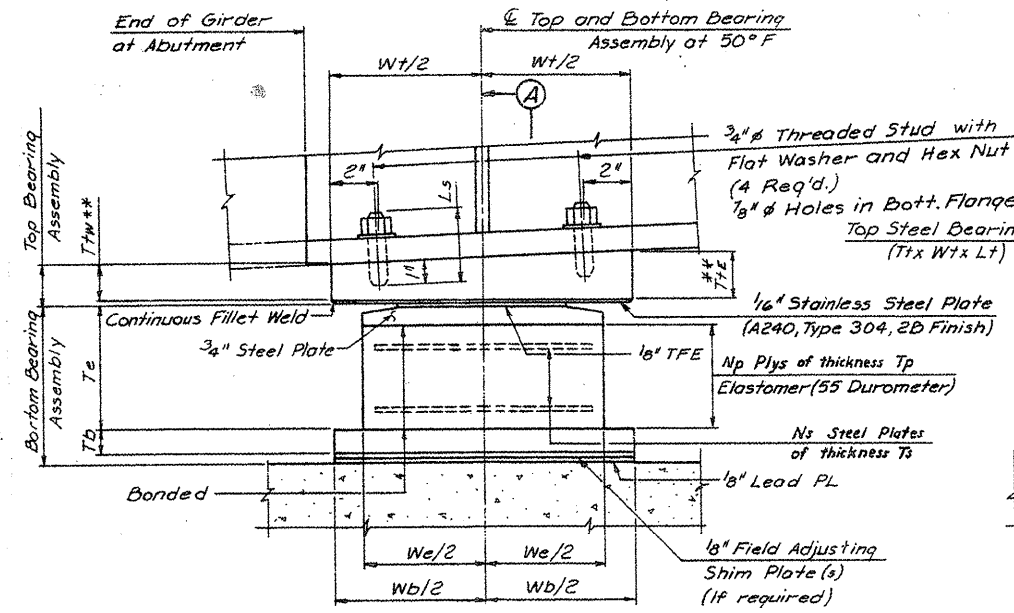
CONTRACT NO. 60F04



DIAPHRAGMS AT PIERS AND ABUTMENTS

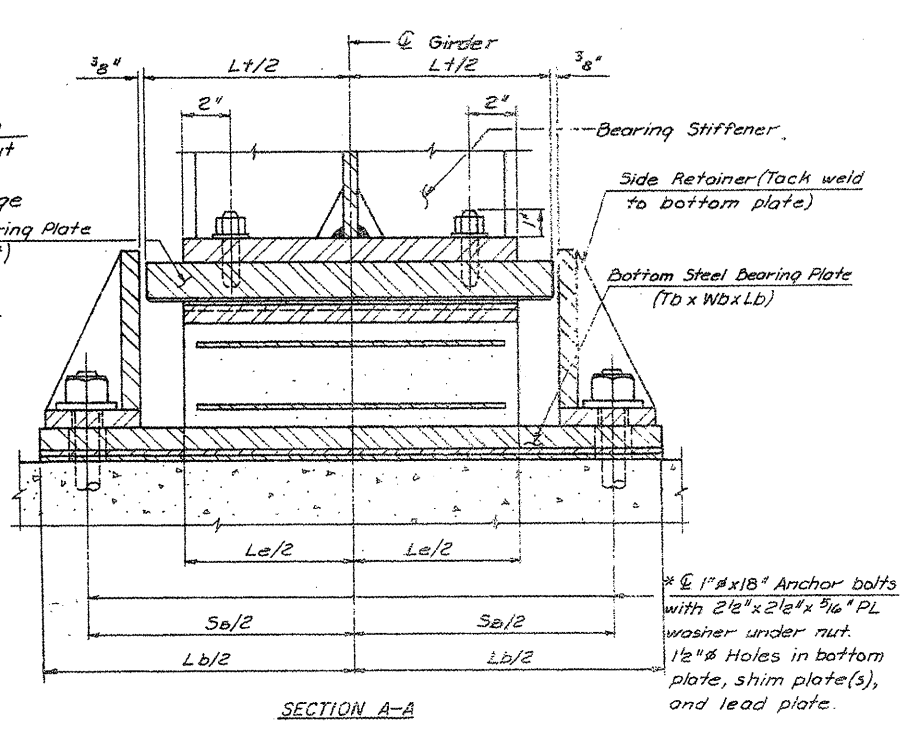


INTERMEDIATE DIAPHRAGMS



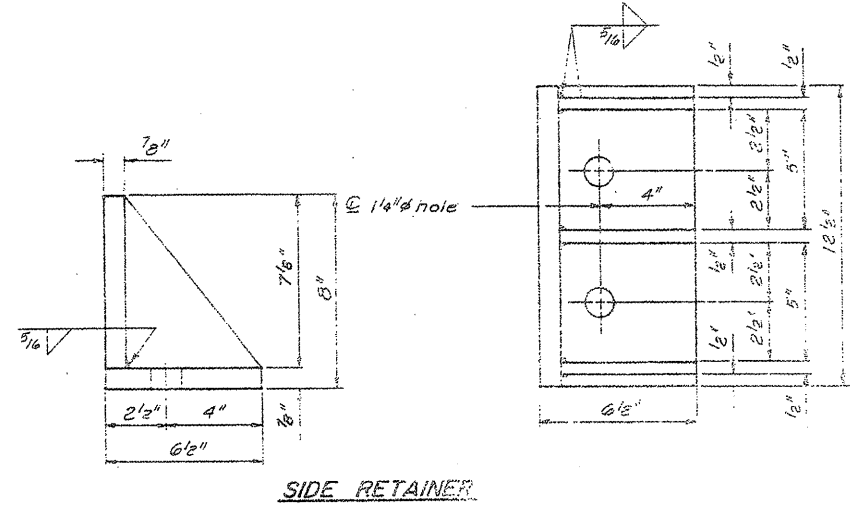
**T_{tw} = Thickness of west side of plate.
**T_{te} = Thickness of east side of plate.

SIDE VIEW



SECTION A-A

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

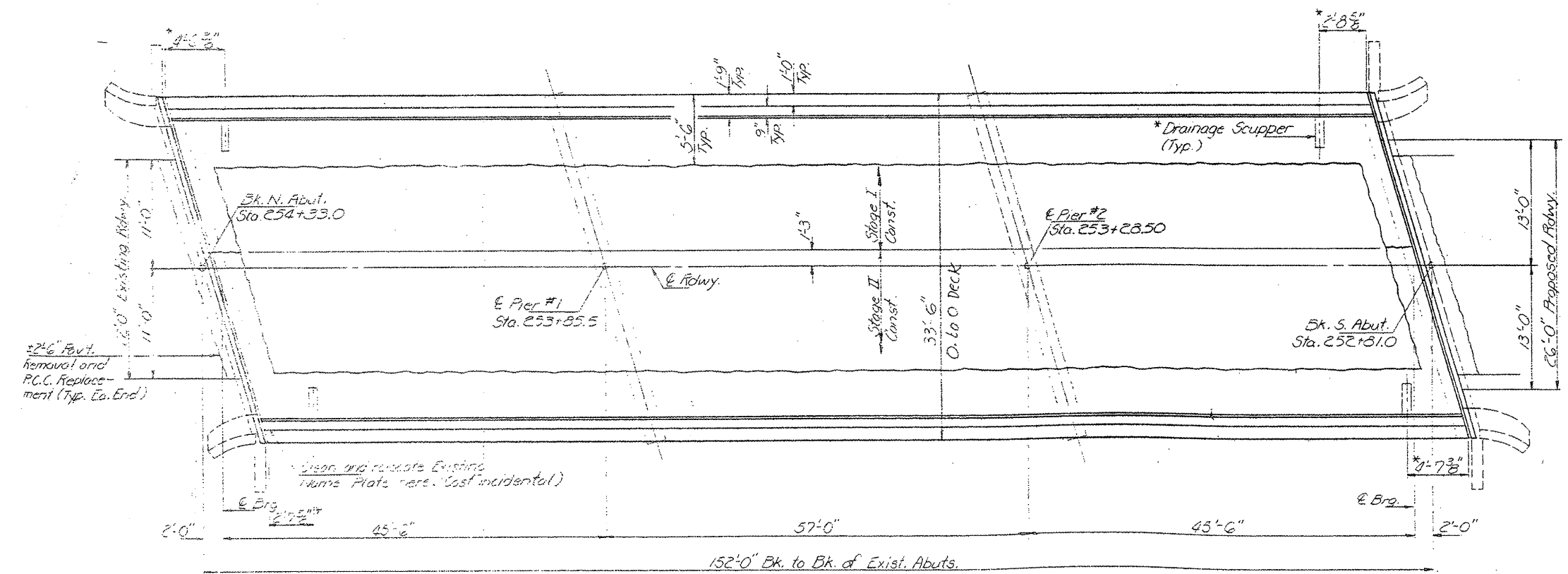
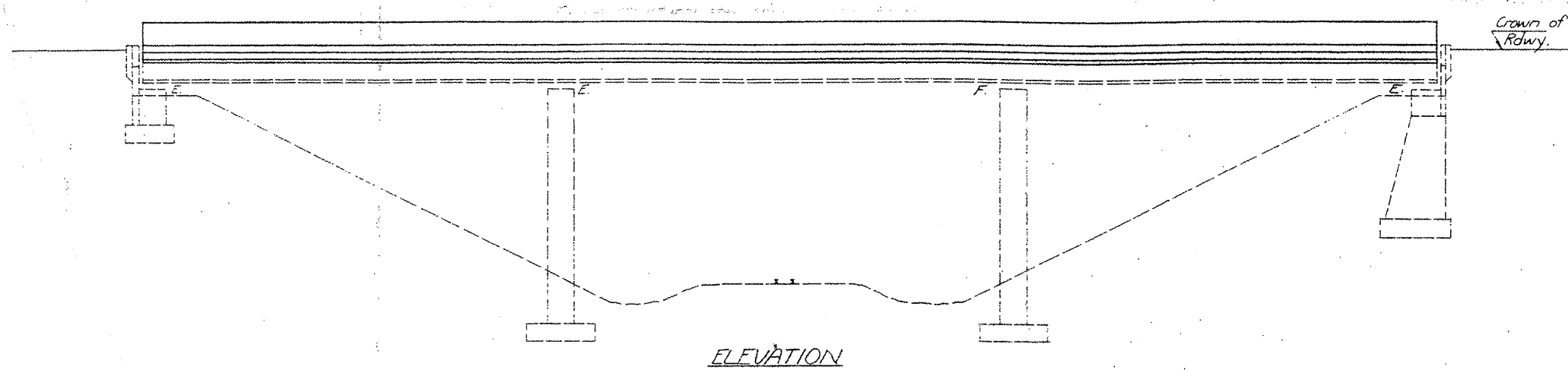


SIDE RETAINER

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

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 25
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CONTRACT NO. 60F04



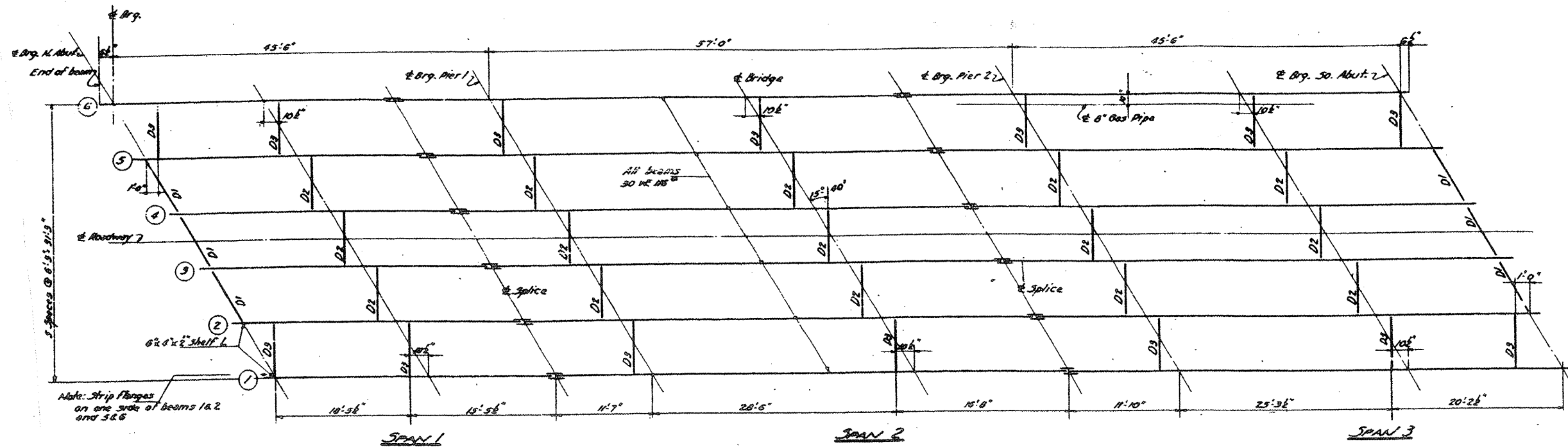
PLAN

LOCATION NO. 4

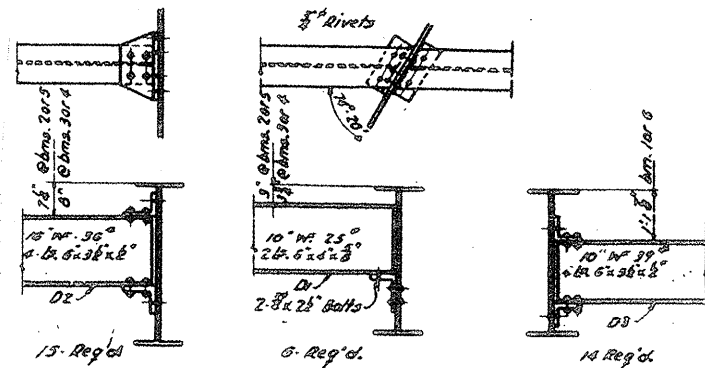
EXIST. BRIDGE PLANS
IL 131 OVER EJ&E RR
SN 049-0012

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 26
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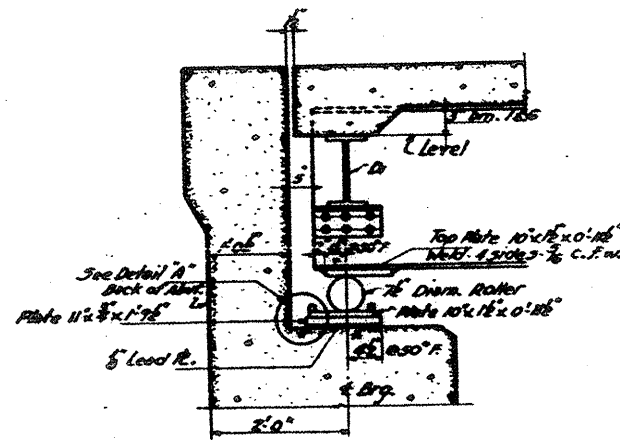
CONTRACT NO. 60F04



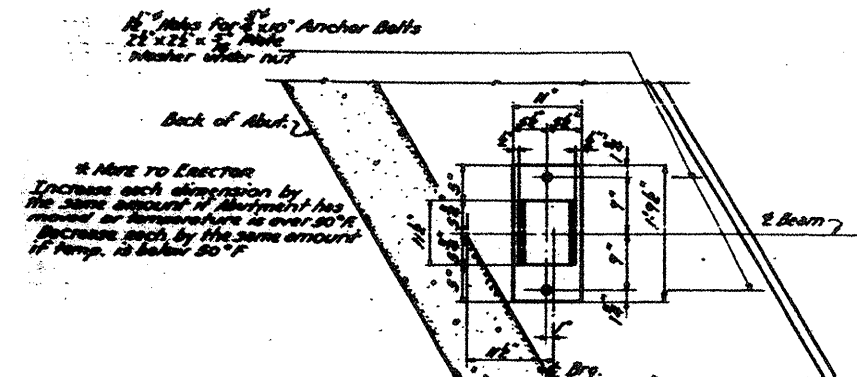
PLAN OF STRUCTURAL STEEL



DIAPHRAGM DETAILS



SECTION AT ABUTMENT
Typical and at interior beams



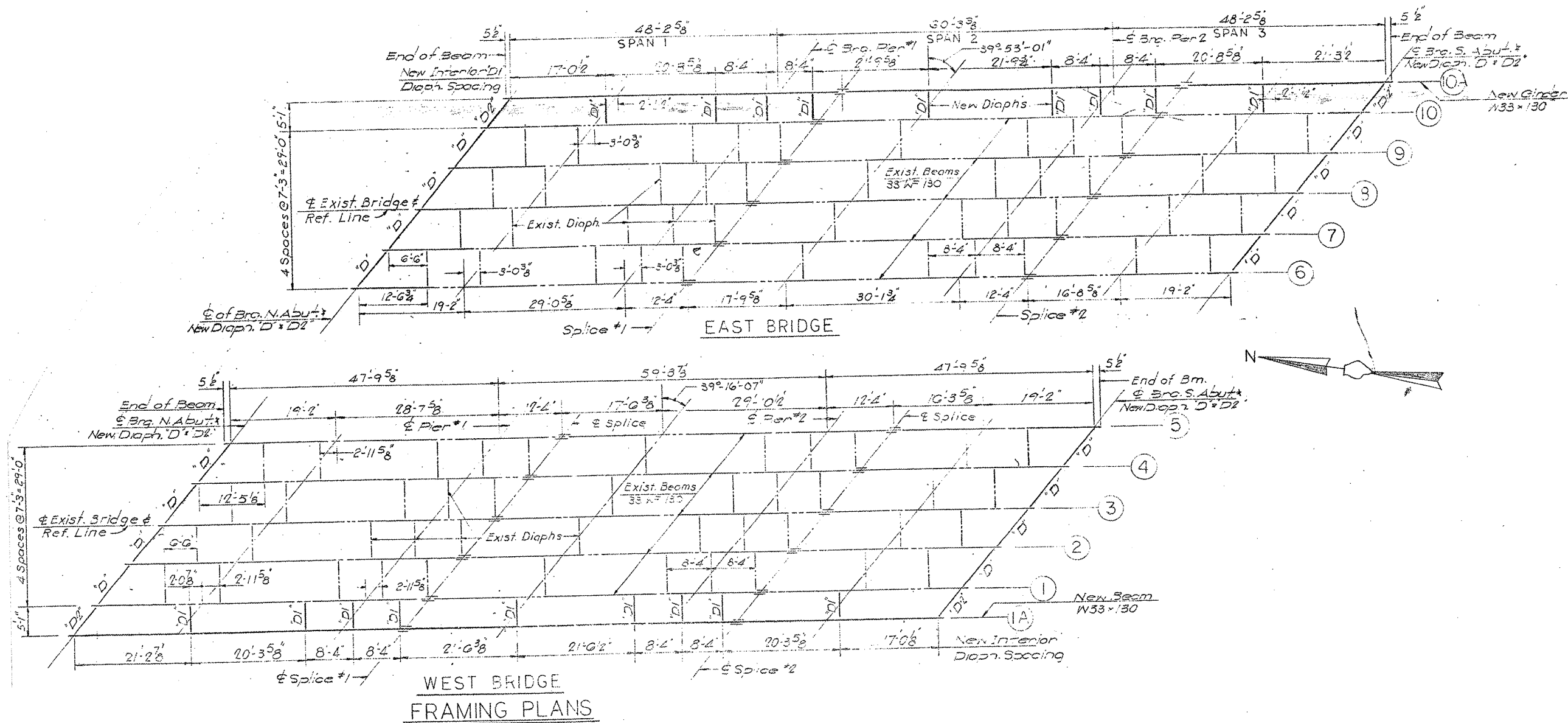
PLAN

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	54	27

CONTRACT NO. 60F04

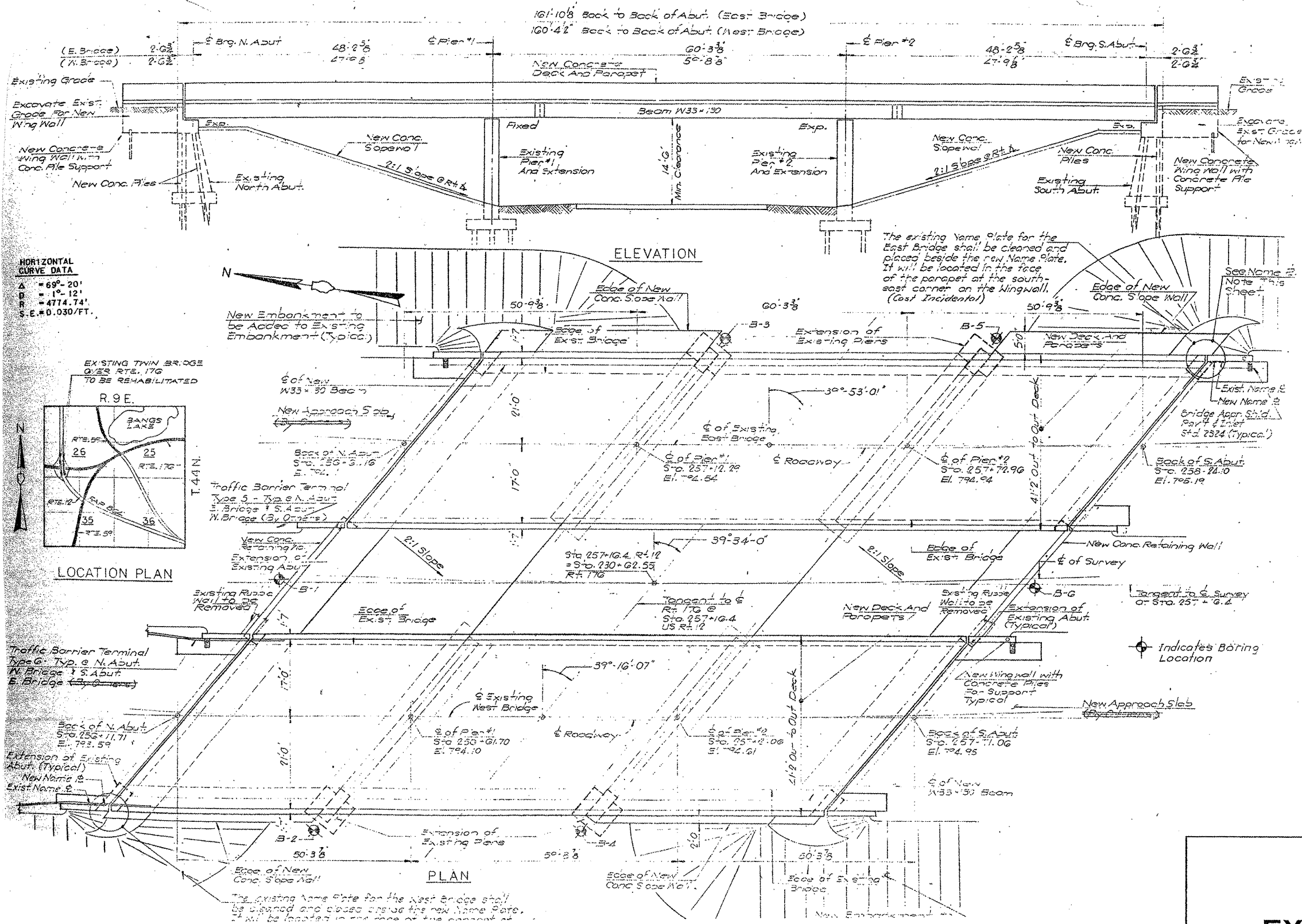


LOCATION NO. 5

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	54	28

CONTRACT NO. 60F04



LOCATION NO. 5

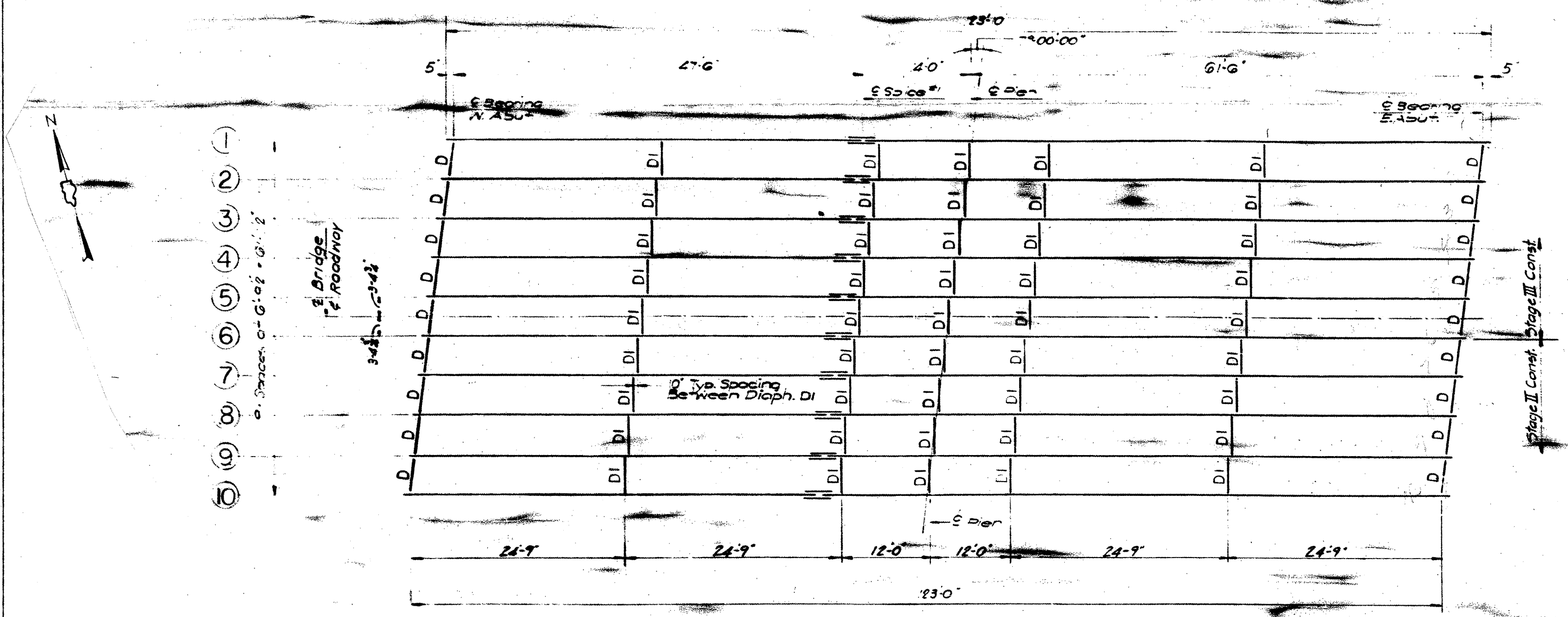
EXIST. BRIDGE PLANS

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	54	31

CONTRACT NO. 60F04



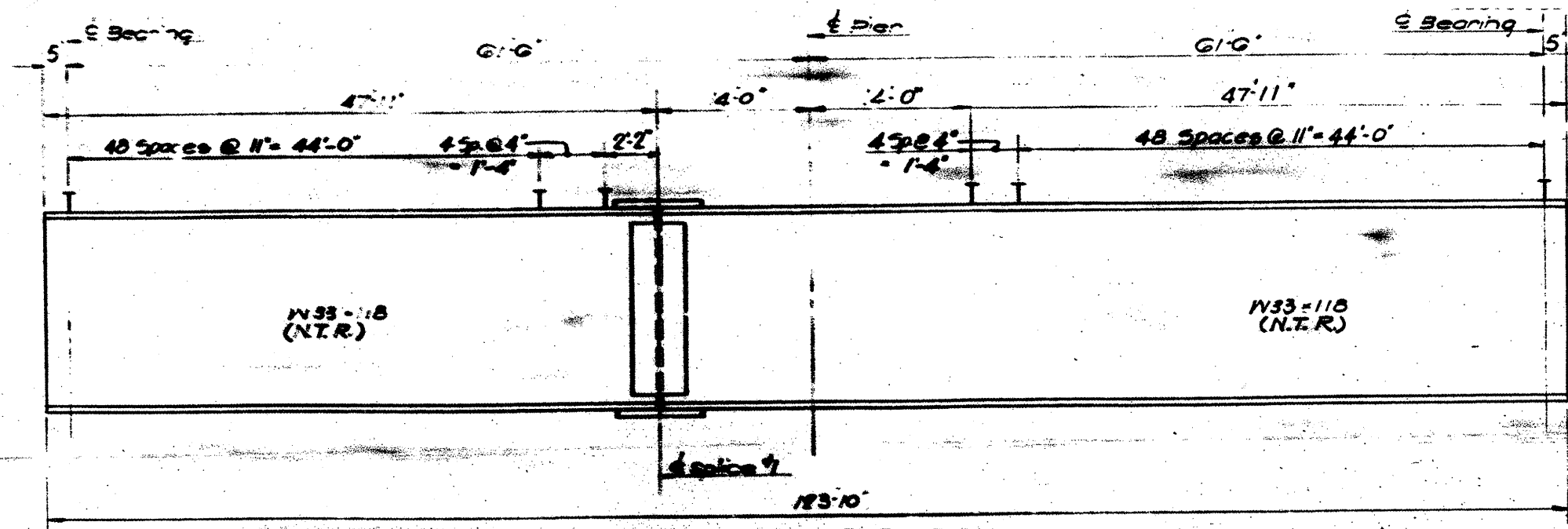
FRAMING PLAN

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	54	32

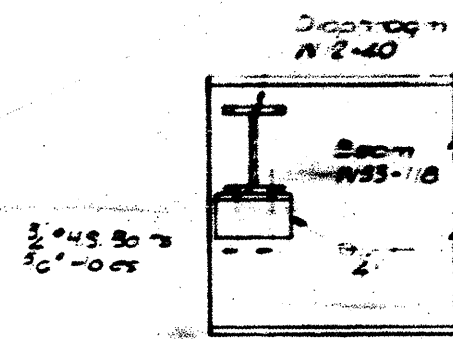
CONTRACT NO. 60F04



TYPICAL BEAM ELEVATION

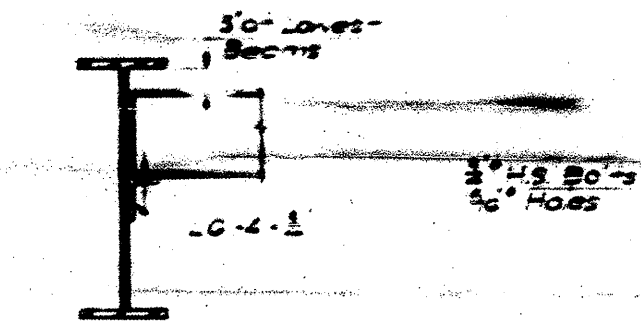
N.T.R. Denotes: Notch Toughness Requirement

NOTE: See sheet # 12 for Splice Detail



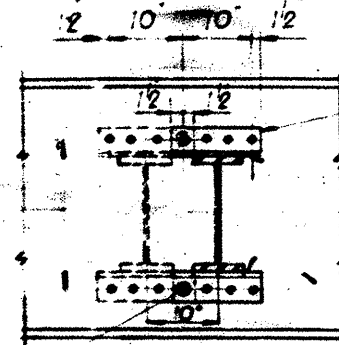
SECTION

DIAPHRAGM D



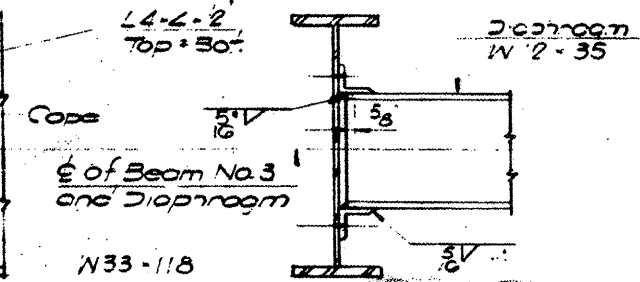
ELEVATION

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



SECTION @ Interior Beam

DIAPHRAGM DI



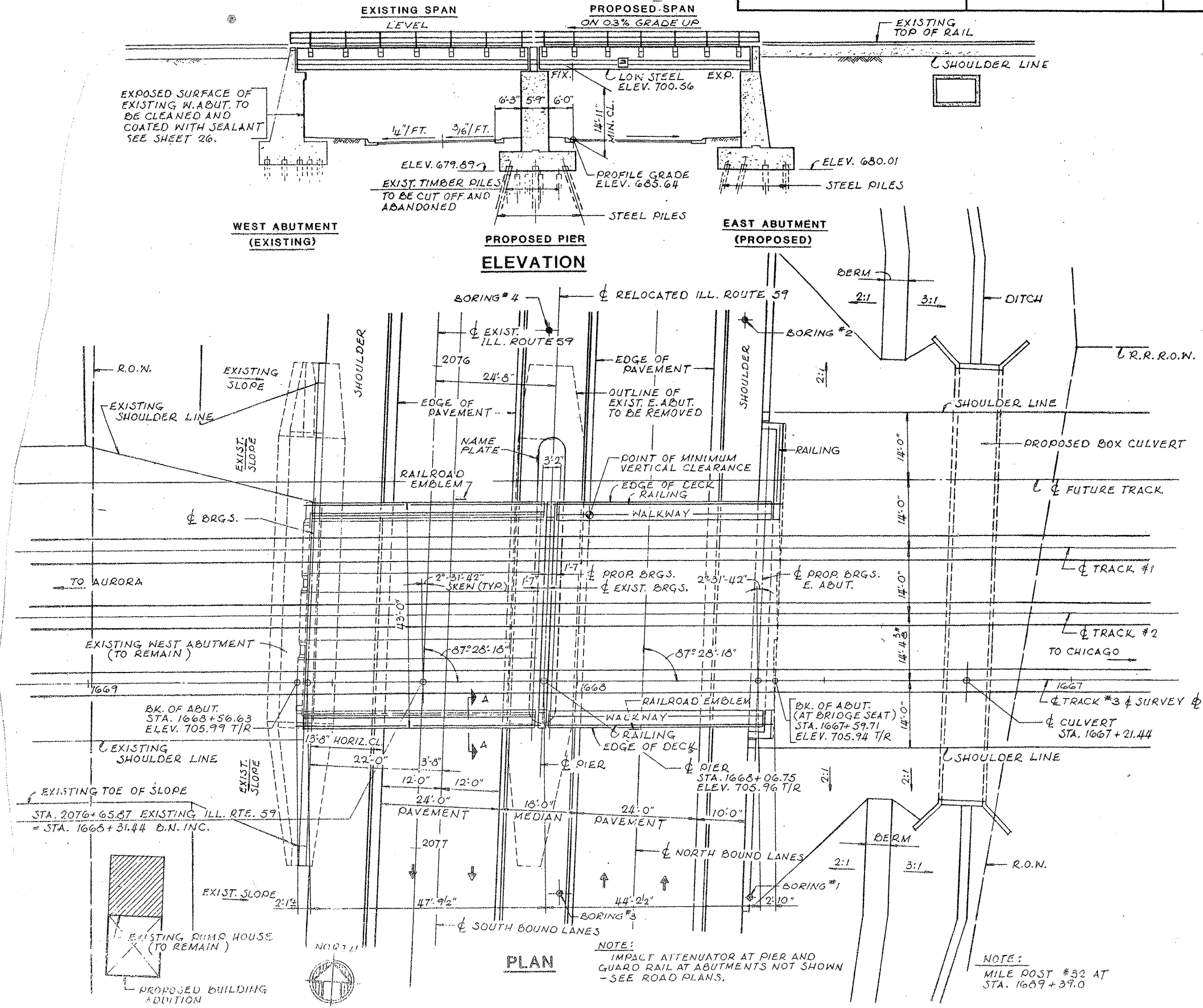
ELEVATION

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 54	SHEET NUMBER 33
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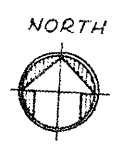
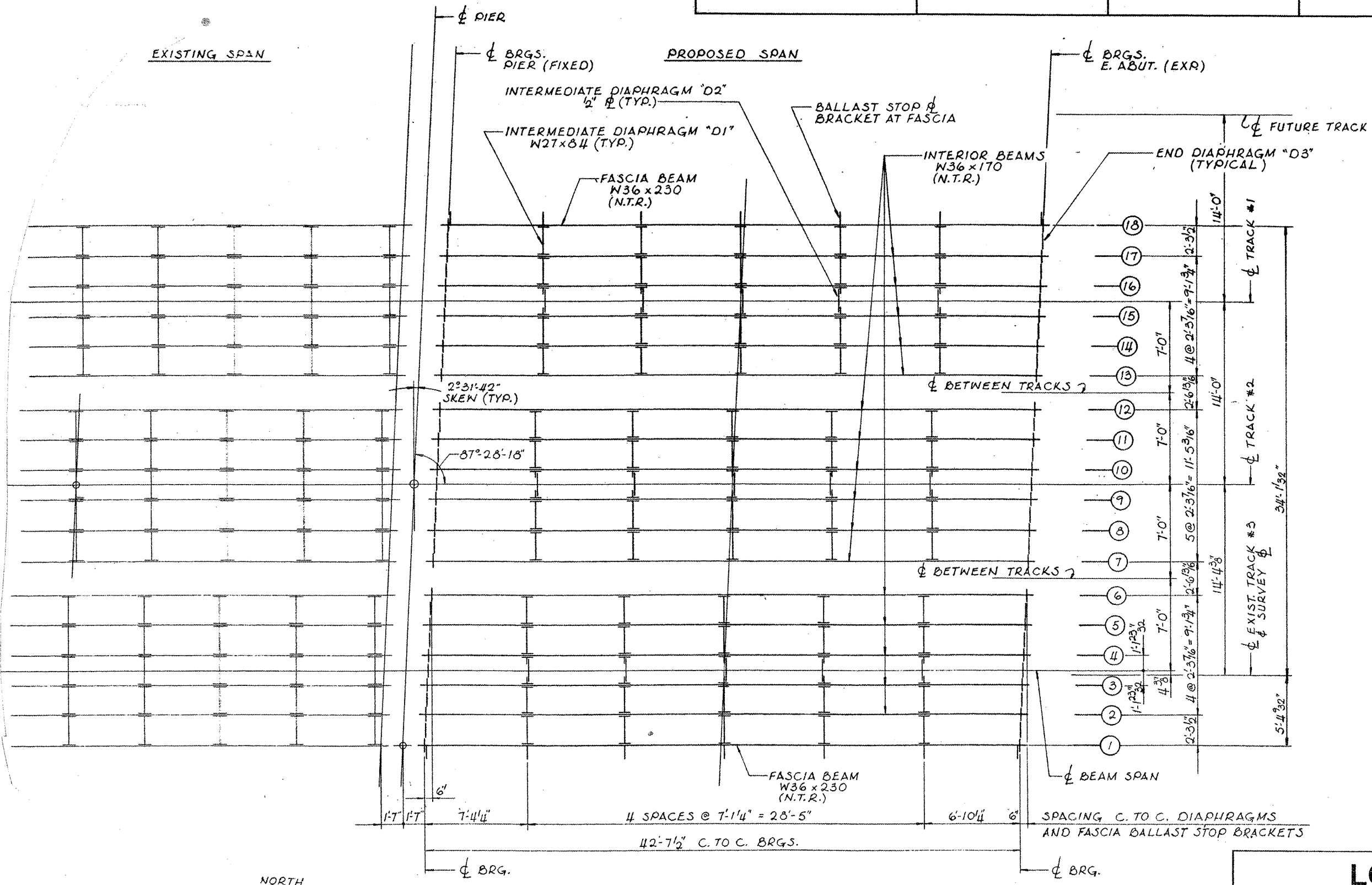
CONTRACT NO. 60F04



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

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 34
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CONTRACT NO. 60F04

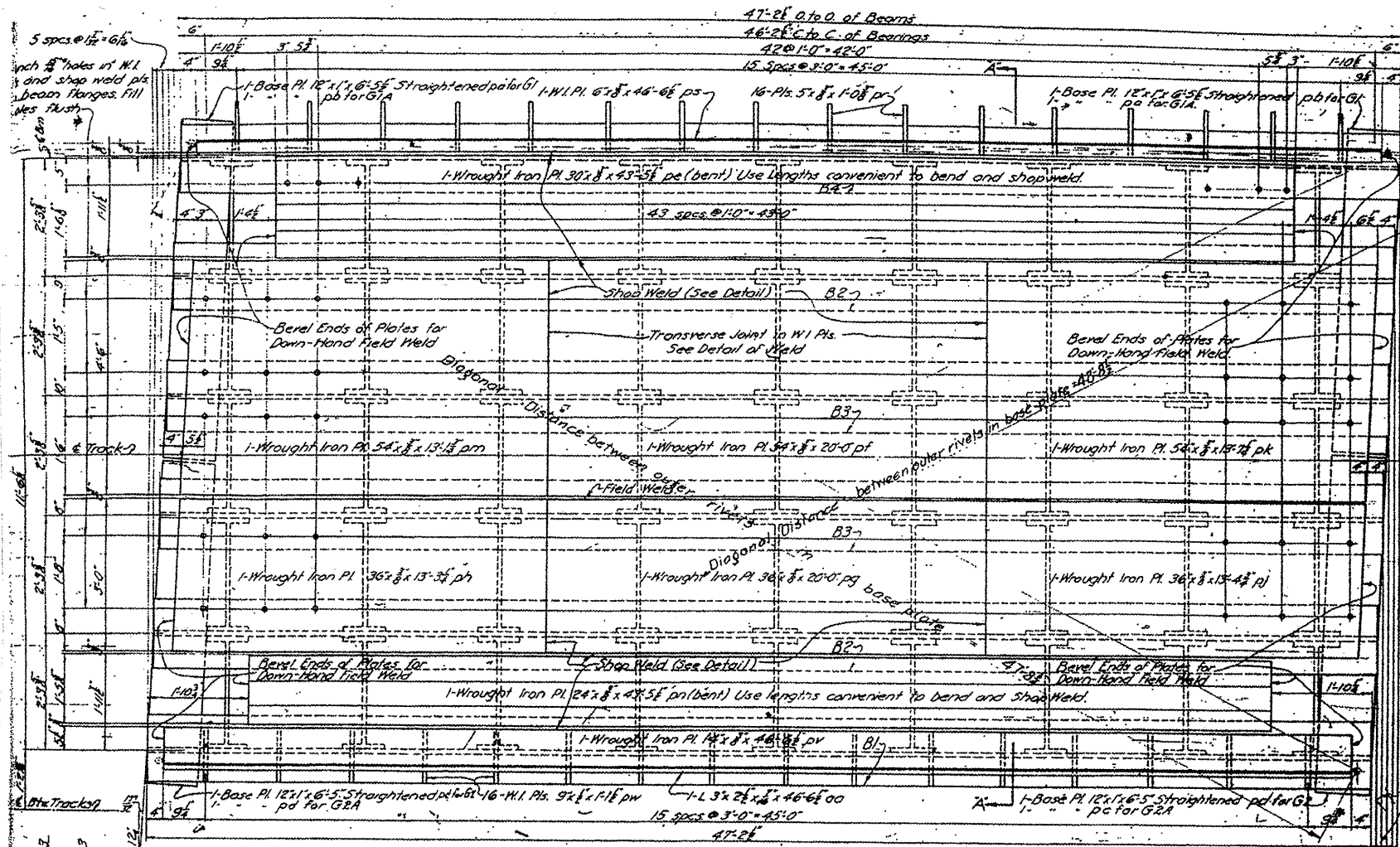


FRAMING PLAN
(SPAN 2)

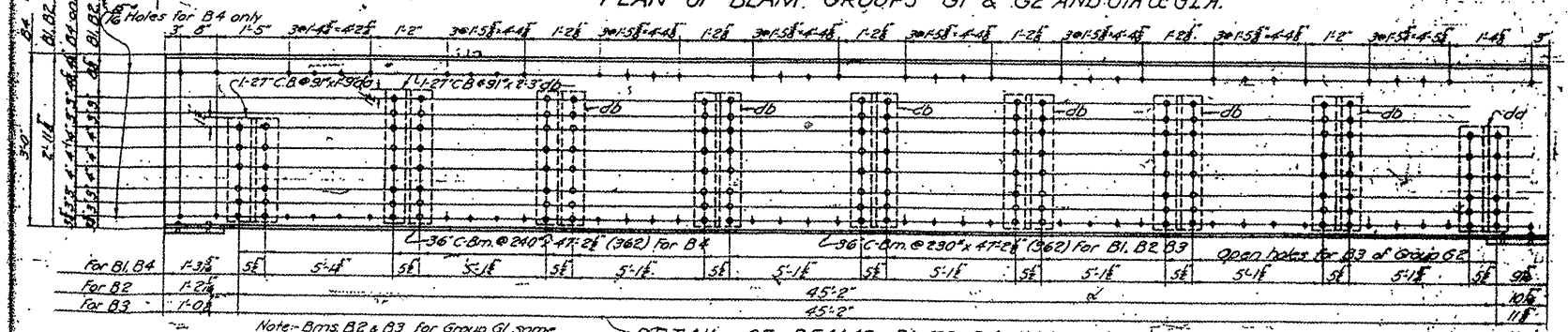
LOCATION NO. 7
EXIST. BRIDGE PLANS
BNSF RR OVER IL 59
SN 022-0038

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	35

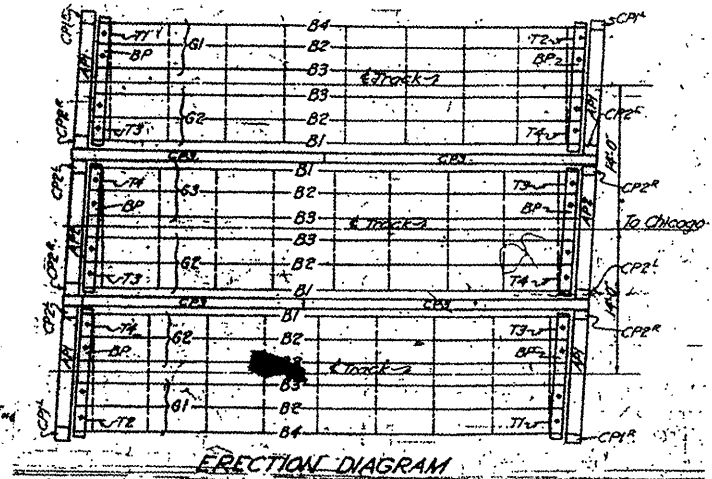
CONTRACT NO. 60F04



PLAN OF BEAM GROUPS G1 & G2 AND G1A & G2A.



DETAIL OF BEAMS B1 TO B4 INC.

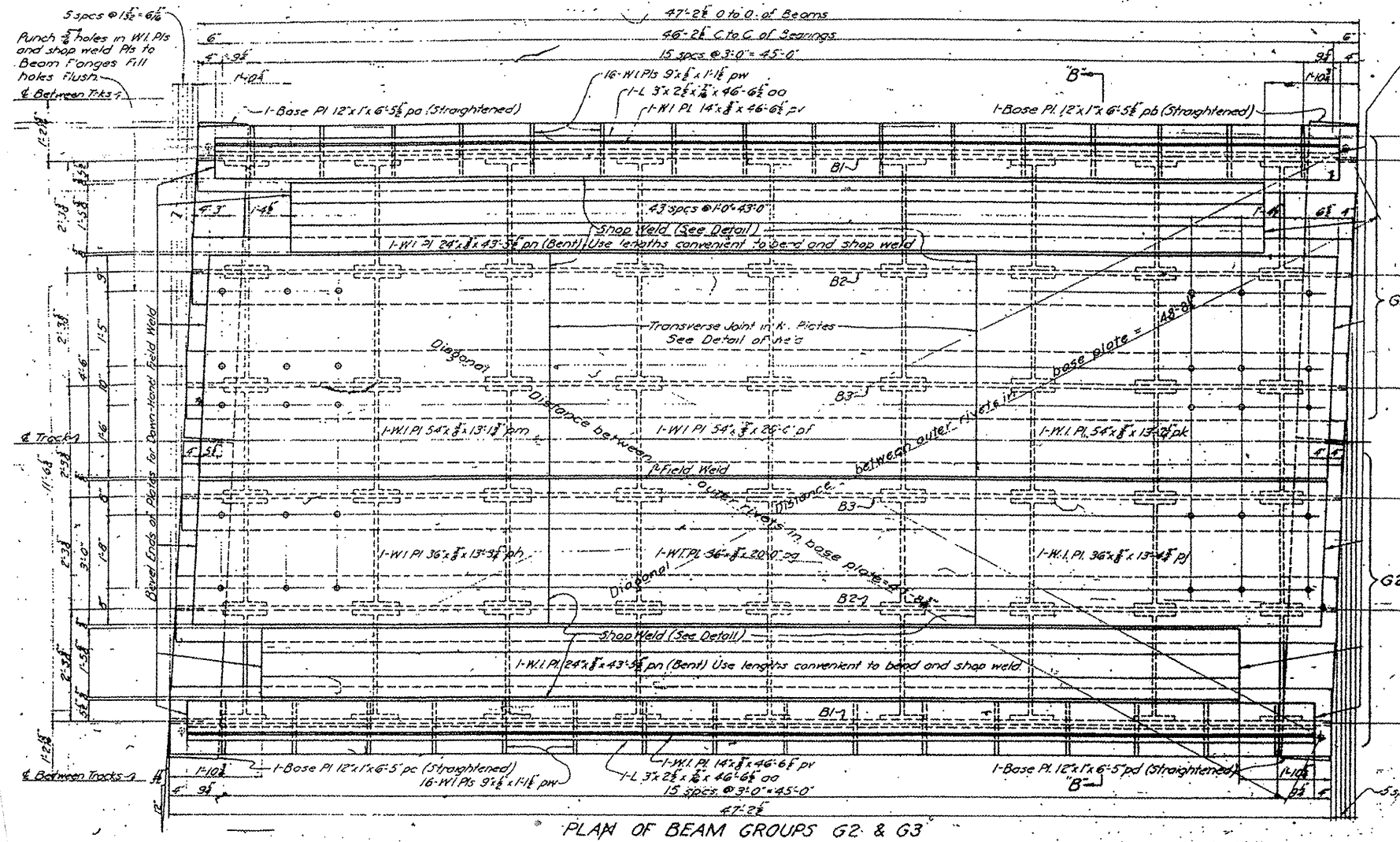


ERECTION DIAGRAM

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	54	36

CONTRACT NO. 60F04



LOCATION NO. 7

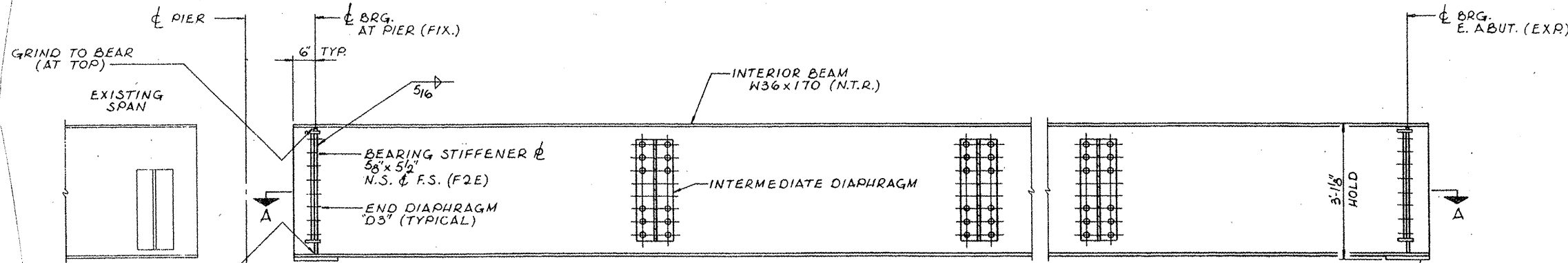
EXIST. BRIDGE PLANS

BNSF RR OVER IL 59

SN 022-0038

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	37

CONTRACT NO. 60F04

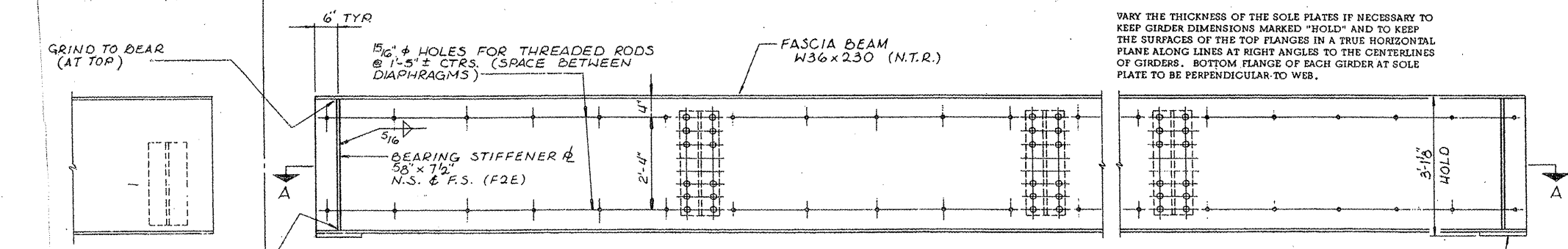


ELEVATION OF INTERIOR BEAM

NOTE:
(N.T.R.) INDICATES NOTCH TOUGHNESS REQUIREMENT

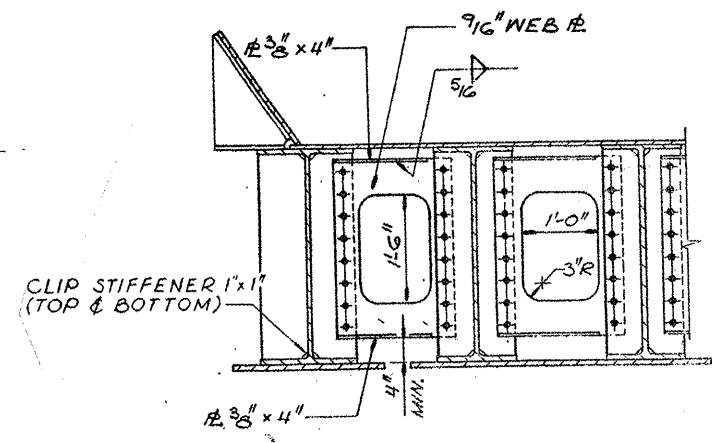
*SOLE ϕ 1" x 12" (TYR)

*NOTE:
VARY THE THICKNESS OF THE SOLE PLATES IF NECESSARY TO KEEP GIRDER DIMENSIONS MARKED "HOLD" AND TO KEEP THE SURFACES OF THE TOP FLANGES IN A TRUE HORIZONTAL PLANE ALONG LINES AT RIGHT ANGLES TO THE CENTERLINES OF GIRDERS. BOTTOM FLANGE OF EACH GIRDER AT SOLE PLATE TO BE PERPENDICULAR TO WEB.

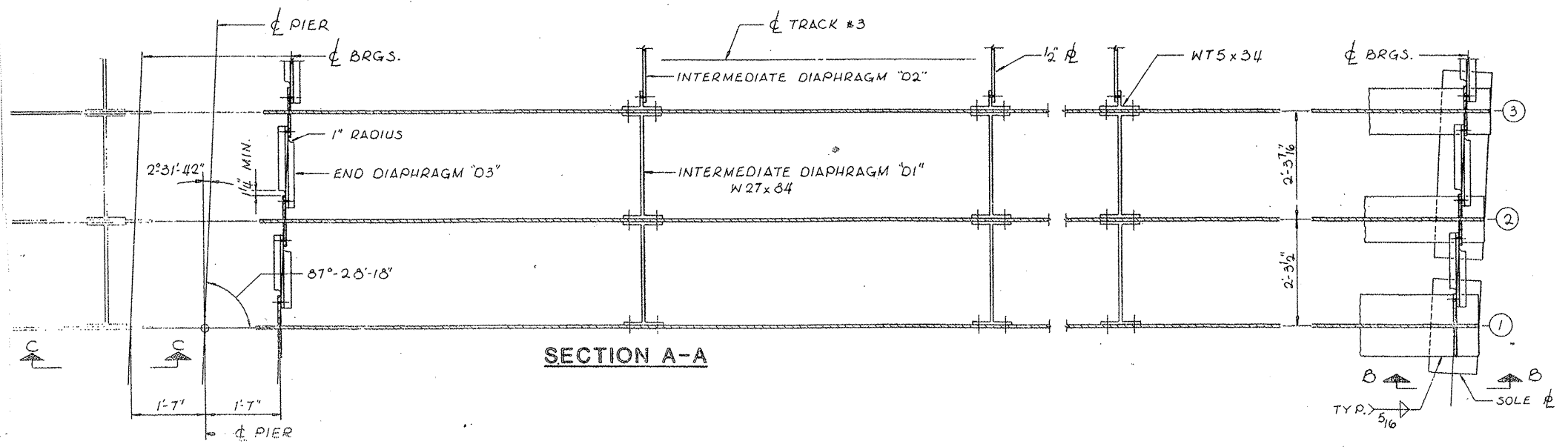


ELEVATION OF FASCIA BEAM

*SOLE ϕ 1 1/4" x 12" (TYR)



END DIAPHRAGM "D3"
SCALE: 3/4" = 1'-0"



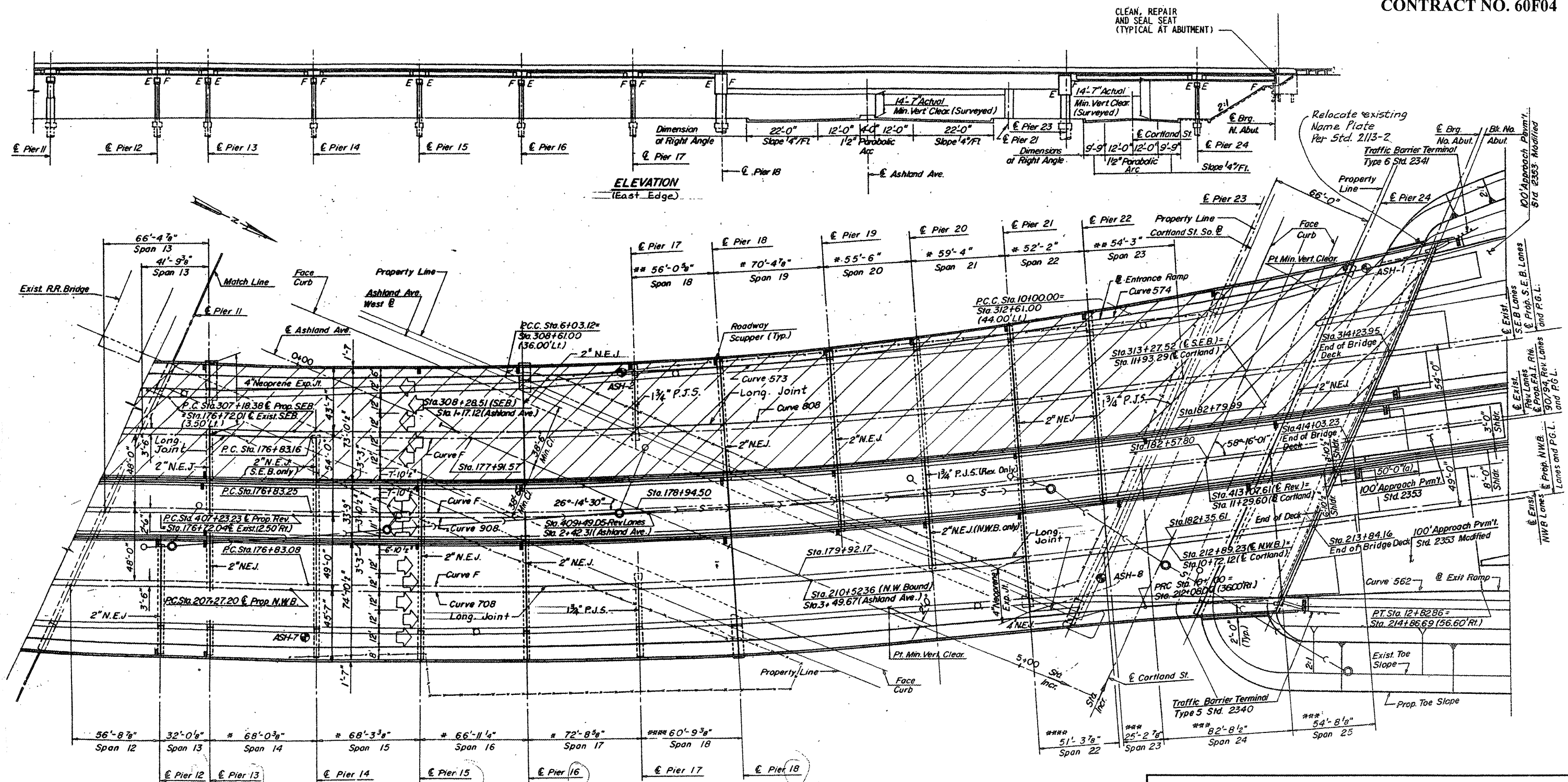
SECTION A-A

SOLE ϕ
TYR 5/16"

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	54	38

CONTRACT NO. 60F04



ELEVATION
(East Edge)

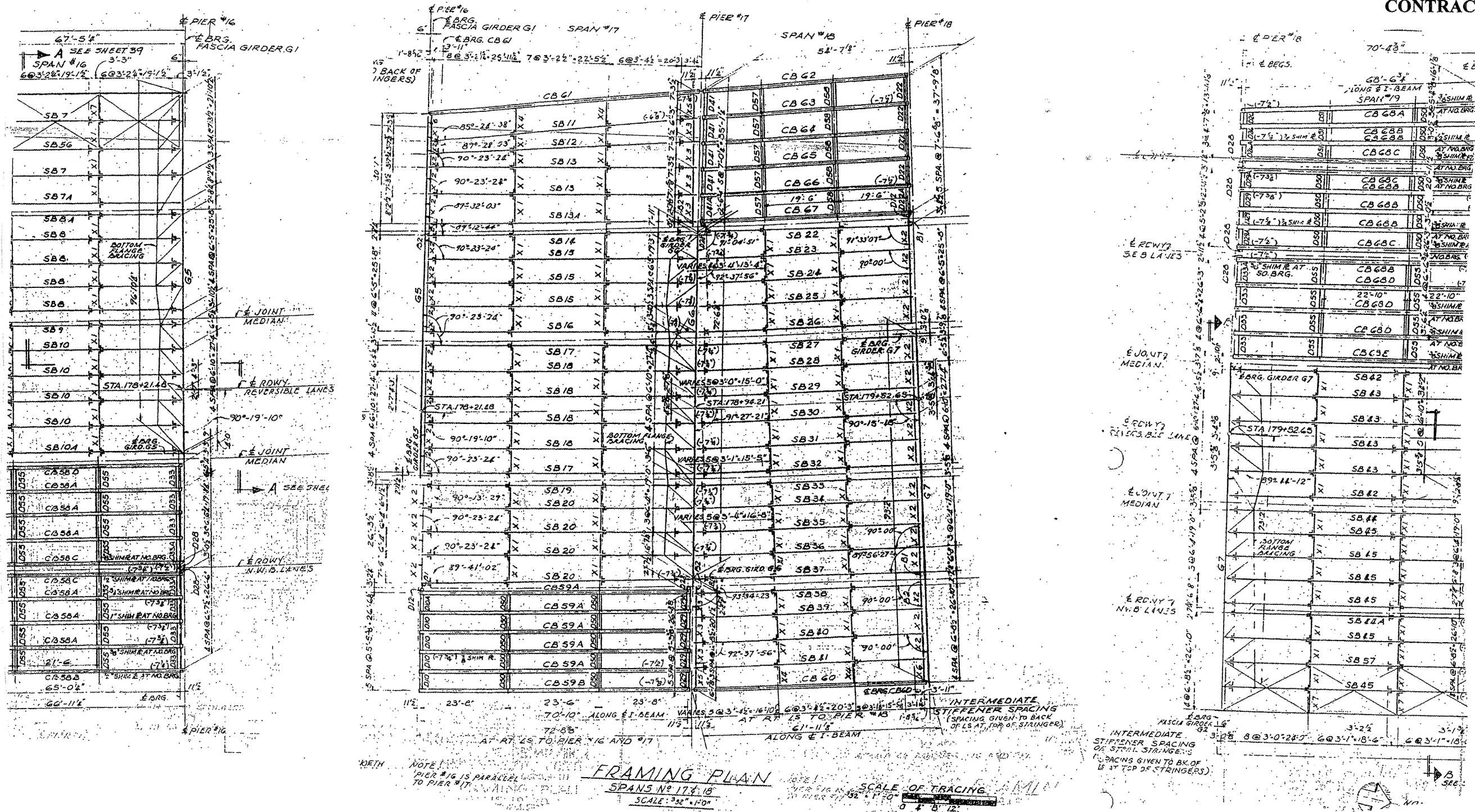
PLAN

* Measured at Rt. Angles to \odot Substructure
 ** Measured along \odot S.E. Bound Lanes
 *** Measured along \odot Reversible Lanes
 **** Measured along \odot N.W. Bound Lanes

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 54	SHEET NUMBER 39
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CONTRACT NO. 60F04

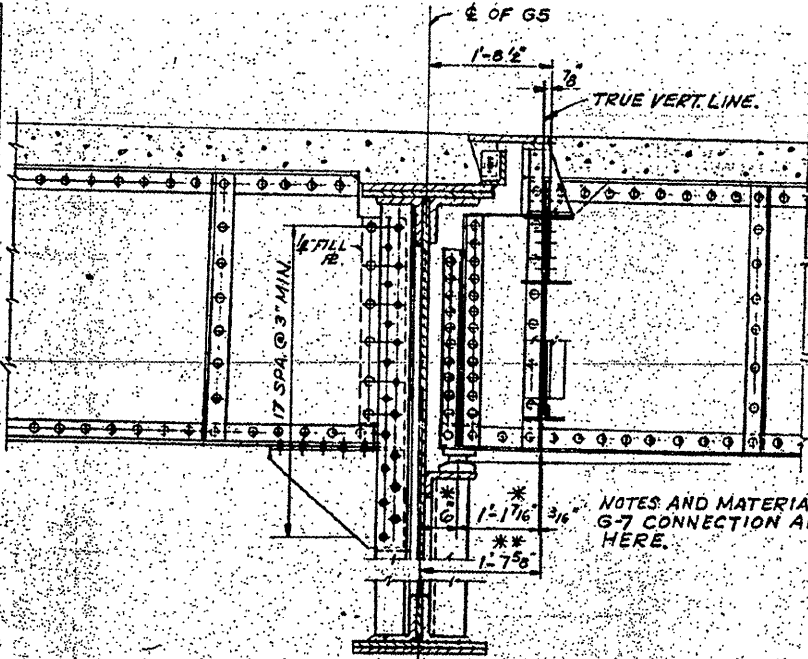


LOCATION NO. 8
EXIST. BRIDGE PLANS
I-90/94 OVER ASHLAND AVE.
SN 016-0133

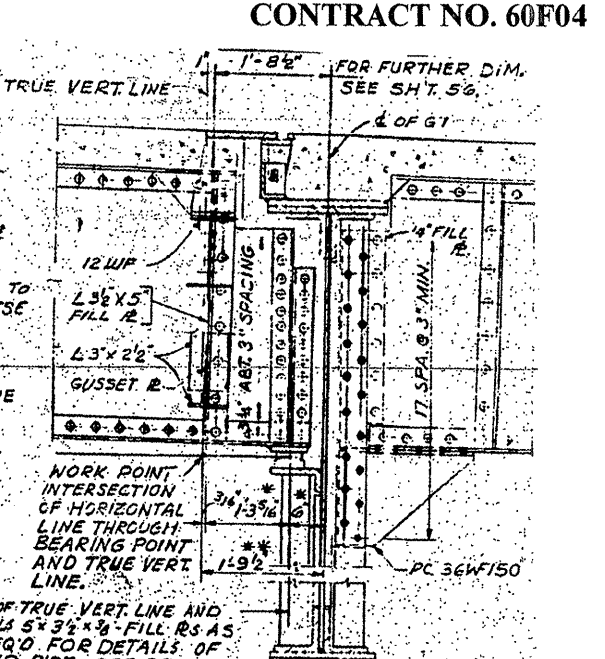
ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 40
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STEEL STRINGER SCHEDULE

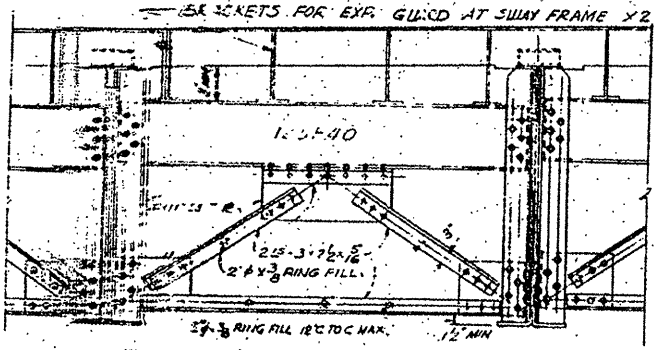
STEEL STRINGER NUMBER	DISTANCE E OF BEARING TO E OF CROSS GIRDER	DISTANCE E OF CROSS GIRDER TO E OF CROSS GIRDER	TOP BOTTOM ANGLES		FIRST BOTTOM COVER IR	SECOND BOTTOM COVER IR	SHEAR CONNECTOR SPACING	RIVET SPACING				CAMBER DIM. 'Y'			
			PANEL A	PANEL B				PANEL C	PANEL D						
SB 1	67'-0 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 40'-0"	27@6"	9@9"	8@12"	15" MAX.	4"	4 1/2"	5"	6"	7/16"		
SB 2	67'-1 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 28'-0"	17@6"	7@12"	4@15"	18" MAX.	4"	4 1/2"	5"	6"	7/16"		
SB 3	68'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 40'-0"	27@6"	9@9"	8@12"	15" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	9/16"		
SB 4	68'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 33'-6"	21@6"	11@9"	6@12"	4@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	7/16"	
SB 5	67'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 33'-6"	21@6"	11@9"	6@12"	4@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	7/16"	
SB 6	67'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 33'-6"	21@6"	11@9"	6@12"	4@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	7/16"	
SB 7	66'-11 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 31'-6"	30@6"	10@9"	8@12"	15" MAX.	4"	4 1/2"	5"	5 3/4"	SB 7 1/2" SB 7 3/4" SB 8 1/4"	2"	
SB 8	66'-11 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 13'-0"	8@18"	24" MAX.			4"	4 1/2"	5"	5 3/4"	SB 8 1/2" SB 8 3/4" SB 9 1/4"	3 1/4"	
SB 9	65'-11 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 13'-0"	8@18"	24" MAX.			4"	4 1/2"	5"	5 3/4"	SB 9 1/2" SB 9 3/4" SB 10 1/4"	3 1/4"	
SB 10	65'-11 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 13'-0"	8@18"	24" MAX.			4"	4 1/2"	5"	5 3/4"	SB 10 1/2" SB 10 3/4" SB 11 1/4"	3 1/4"	
SB 11	71'-6 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	21@6"	15@9"	6@12"	5@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 3/4"	5@8"	
SB 12	71'-4 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	21@6"	15@9"	6@12"	5@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 3/4"	2"	
SB 13	71'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	27@6"	14@9"	7@12"	15" MAX.	4"	4 1/2"	4 3/4"	5 3/4"	SB 13 1/2" SB 13 3/4" SB 14 1/4"	2"	
SB 14	72'-2 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	21@6"	15@9"	6@12"	5@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 3/4"	9/16"	
SB 15	72'-2 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	21@6"	15@9"	6@12"	5@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 3/4"	5@8"	
SB 16	72'-2 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	4@18"	24" MAX.			4"	4 1/2"	4 3/4"	5 3/4"	13/16"		
SB 17	72'-2 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	4@18"	24" MAX.			4"	4 1/2"	4 3/4"	5 3/4"	13/16"		
SB 18	72'-2 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	13'2 1/2" 33'-6"	27@6"	14@9"	7@12"	15" MAX.	4"	4 1/2"	4 3/4"	5 3/4"	5@8"	
SB 19	71'-9 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 40'-0"	4@18"	24" MAX.			4"	4 1/2"	4 3/4"	5 3/4"	13/16"		
SB 20	71'-9 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 46'-0"	21@6"	15@9"	6@12"	5@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 3/4"	5@8"	
SB 21	54'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 15'-0"	18@6"	13@9"	4@12"	15" MAX.	4"	4 1/2"	5 1/4"	6"	3/16"		
SB 22	55'-8 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	22@6"	11@9"	5@12"	15" MAX.	4"	4 1/2"	5 1/4"	6"	3/16"		
SB 23	55'-8 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	15@6"	12@9"	5@12"	3@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	1/4"	
SB 24	55'-11 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	15@6"	12@9"	5@12"	3@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	1/4"	
SB 25	56'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	15@6"	12@9"	5@12"	3@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	1/4"	
SB 26	56'-7 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	7@18"	24" MAX.			4"	4 1/2"	5 1/4"	6"	3@8"		
SB 27	57'-2 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	7@18"	24" MAX.			4"	4 1/2"	5 1/4"	6"	3@8"		
SB 28	57'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 25'-6"	24@6"	8@9"	5@12"	3@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	5/16"	
SB 29	57'-9 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 25'-6"	24@6"	8@9"	5@12"	3@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	5/16"	
SB 30	58'-1 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 25'-6"	24@6"	8@9"	5@12"	3@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	5/16"	
SB 31	58'-5 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 25'-6"	24@6"	8@9"	5@12"	3@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	5/16"	
SB 32	58'-9 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 25'-6"	3@12"	5@15"	7@18"	24" MAX.	4"	4 1/2"	5 1/4"	6"	2"		
SB 33	58'-11 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 25'-6"	3@12"	5@15"	7@18"	24" MAX.	4"	4 1/2"	5 1/4"	6"	2"		
SB 34	57'-2 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	13@6"	12@9"	8@12"	2@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	5/16"	
SB 35	57'-6 1/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	13@6"	12@9"	8@12"	2@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	5/16"	
SB 36	59'-9 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	13@6"	12@9"	8@12"	2@15"	18" MAX.	4"	4 1/2"	5 1/4"	6"	5/16"	
SB 37	60'-1 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	25@6"	8@9"	5@12"	15" MAX.	4"	4 1/2"	5 1/4"	6"	1/4"		
SB 38	59'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	25@6"	8@9"	5@12"	15" MAX.	4"	4 1/2"	5 1/4"	6"	1/4"		
SB 39	59'-7 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	24@6"	8@9"	3@12"	15" MAX.	4"	4 1/2"	5 1/4"	6"	3@8"		
SB 40	59'-10 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	24@6"	8@9"	3@12"	15" MAX.	4"	4 1/2"	5 1/4"	6"	3@8"		
SB 41	60'-2 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	24@6"	8@9"	3@12"	15" MAX.	4"	4 1/2"	5 1/4"	6"	3@8"		
SB 42	69'-5 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	24" MAX.				4"	4 1/2"	4 3/4"	5 1/2"	7@8"		
SB 43	69'-5 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 21'-0"	27@6"	14@9"	7@12"	15" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	2"		
SB 44	70'-5 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 38'-0"	4@18"	24" MAX.			4"	4 1/2"	4 3/4"	5 1/2"	SB 44 1/2" SB 44 3/4"		
SB 45	70'-5 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 42'-0"	13'2 1/2" 28'-6"	22@6"	15@9"	6@12"	5@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	7@8"
SB 46	54'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	6@12"	4@15"	6@18"	24" MAX.	4"	4 1/2"	5 1/2"	6"	3@8"		
SB 47	54'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	18@6"	13@9"	4@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	1/4"		
SB 48	54'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	18@6"	13@9"	4@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	1/4"		
SB 49	55'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	18@6"	13@9"	4@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	3/16"		
SB 50	55'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 17'-0"	18@6"	13@9"	4@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	1/4"		
SB 51	58'-5 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 32'-0"	27@6"	8@9"	6@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	1/4"		
SB 52	58'-4 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 28'-0"	22@6"	8@9"	7@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	5/16"		
SB 53	58'-4 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 28'-0"	22@6"	8@9"	7@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	5/16"		
SB 54	67'-0 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" 28'-0"	27@6"	9@9"	8@12"	15" MAX.	4"	4 1/2"	5"	6"	9/16"		
SB 55	68'-3 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" FULL LGN.	27@6"	9@9"	8@12"	15" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	2"		
SB 56	66'-11 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" FULL LGN.	30@6"	10@9"	8@12"	15" MAX.	4"	4 1/2"	5"	5 3/4"	2"		
SB 57	70'-5 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" FULL LGN.	22@6"	15@9"	6@12"	5@15"	18" MAX.	4"	4 1/2"	4 3/4"	5 1/2"	9/16"	
SB 58	55'-6 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" FULL LGN.	18@6"	13@9"	4@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	1/4"		
SB 59	58'-4 3/8"	4'4 1/2"	6'4 1/2"	13'2 1/2" FULL LGN.	22@6"	8@9"	7@12"	15" MAX.	4"	4 1/2"	5 1/2"	6"	5/16"		



TYPICAL STRINGER-GIRDER CONNECTION AT G-5
SCALE: 3/4" = 1'-0"



TYPICAL STRINGER-GIRDER CONNECTION AT G-7
SCALE: 3/4" = 1'-0"



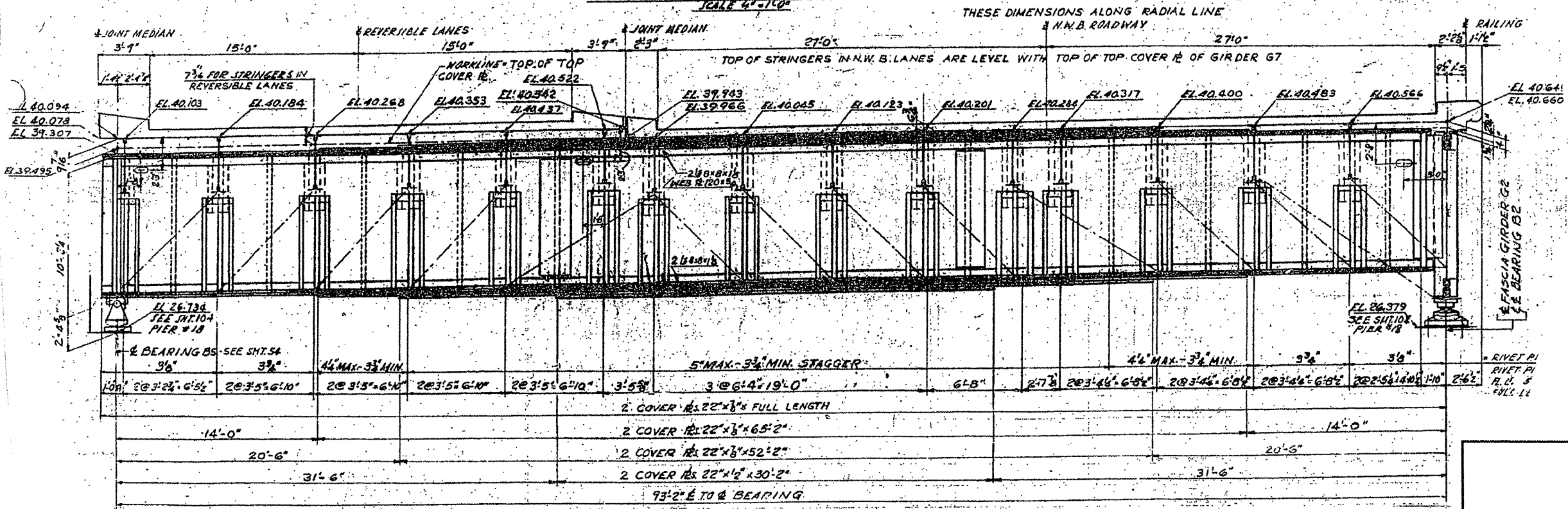
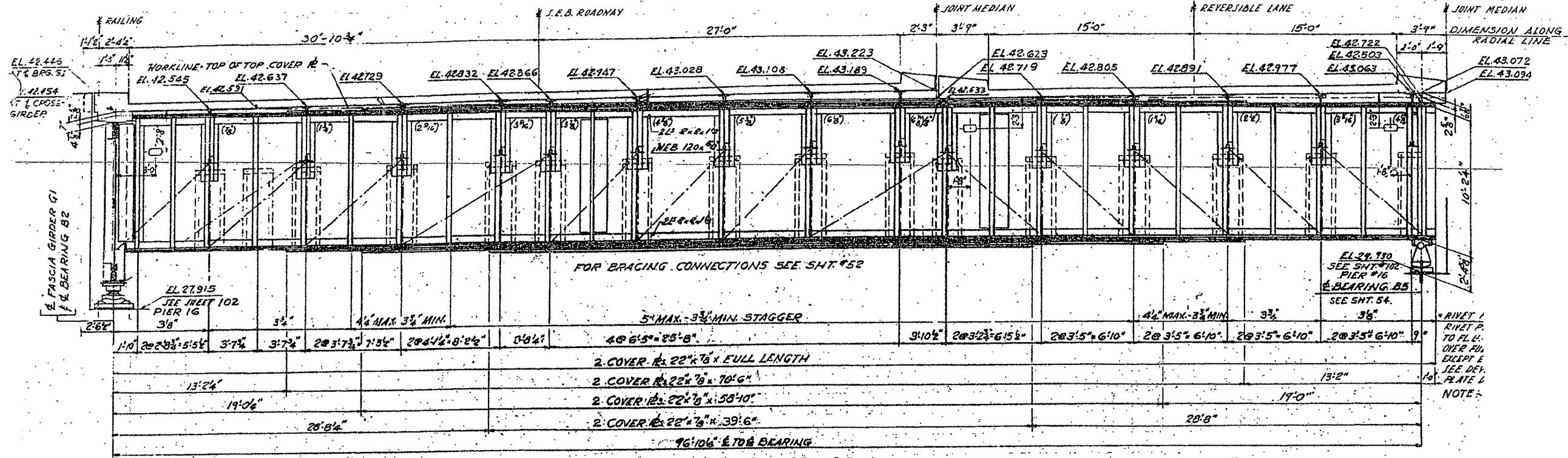
TYPICAL SULLY FRAME X2
(SULLY FRAME X3 SAME EXCEPT AS NOTED)
SCALE: 3/4" = 1'-0"

NOTE!
ALL WEB PLATES ARE 48" X 3/8"

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 54	SHEET NUMBER 41
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CONTRACT NO. 60F04



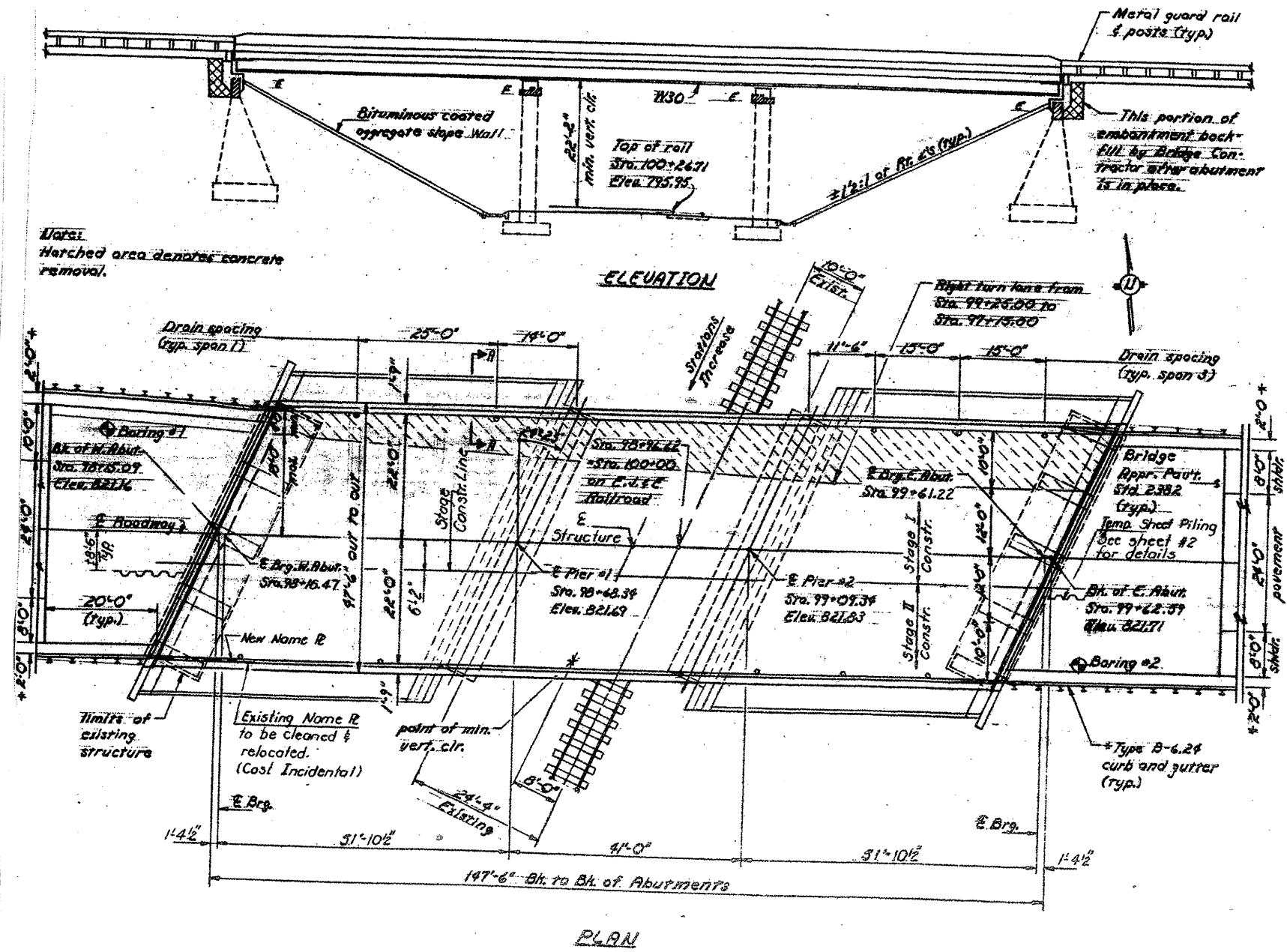
NOTE:
ALL RIVETS IN G5 AND G7
SHALL BE 1" IN 1/16" HOLES

APPROVED AS SHOWN BY DIVISIONS OF W
SCALES OF TRACING
1" = 1'-0"
0' 1" 2' 3' 4' 5' 6' 7' 8'

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	54	42

CONTRACT NO. 60F04



LOCATION NO. 9

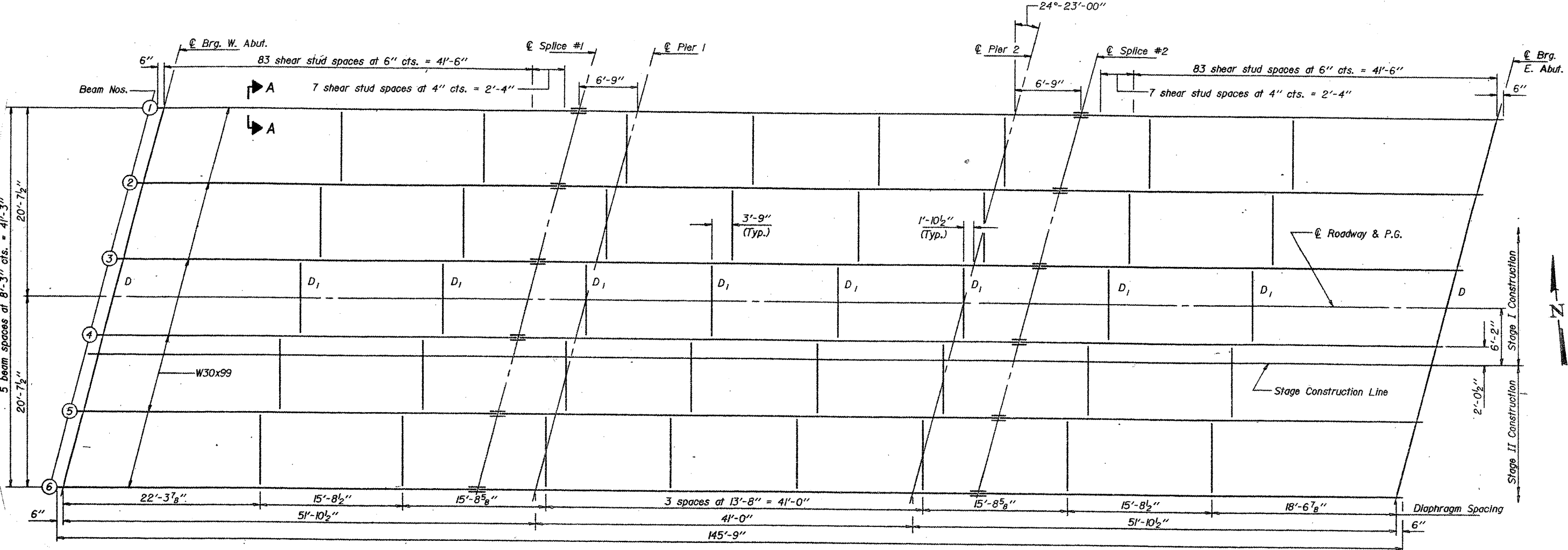
EXIST. BRIDGE PLANS

IL 19 OVER EJ&E RR

SN 016-0948

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 43
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CONTRACT NO. 60F04



FRAMING PLAN

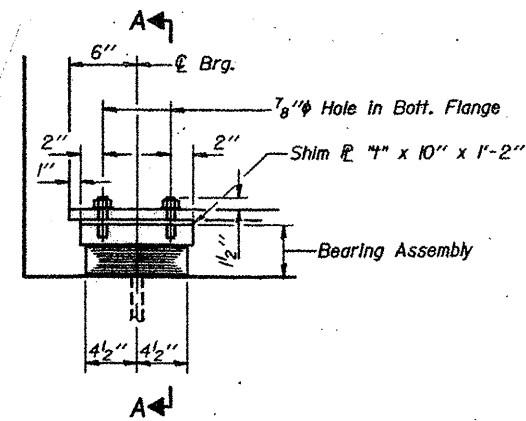
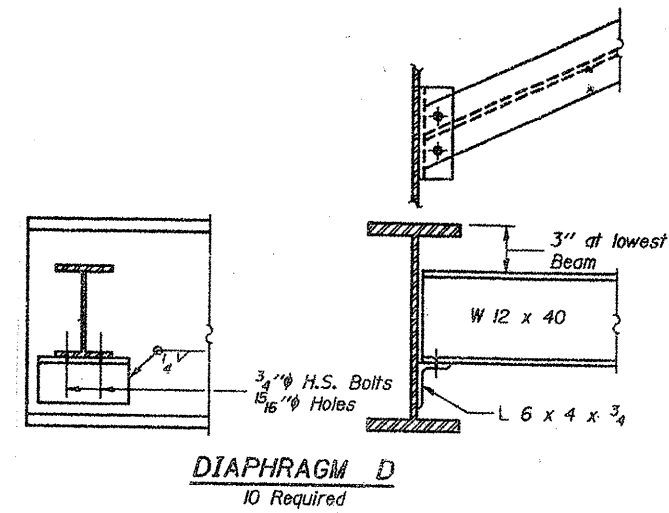
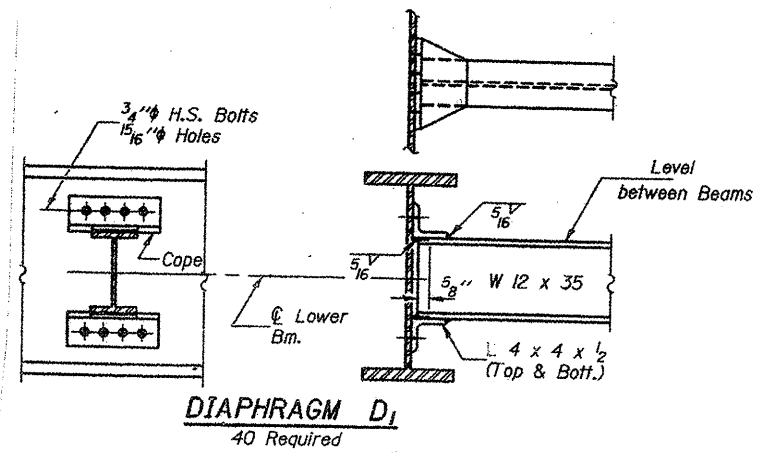
The wide flange beams and all splice plate material shall be AASHTO M223 (Grade 50) and shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

LOCATION NO. 9

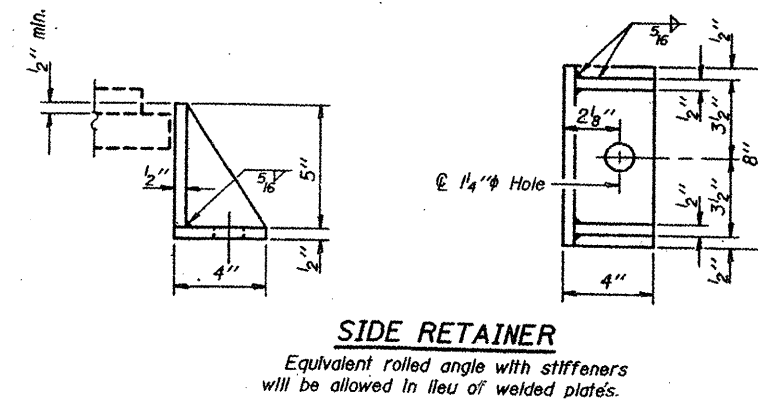
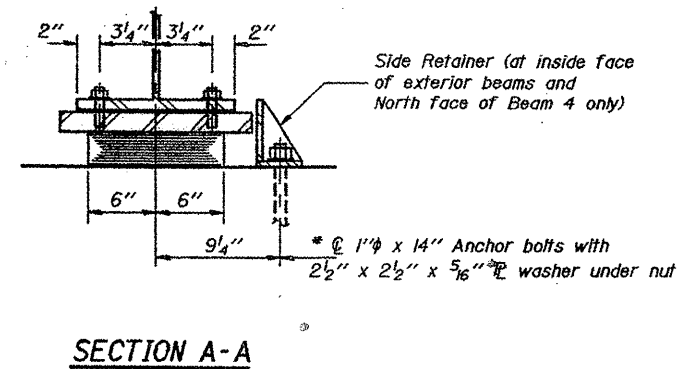
**EXIST. BRIDGE PLANS
IL 19 OVER EJ&E RR
SN 016-0948**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	44

CONTRACT NO. 60F04



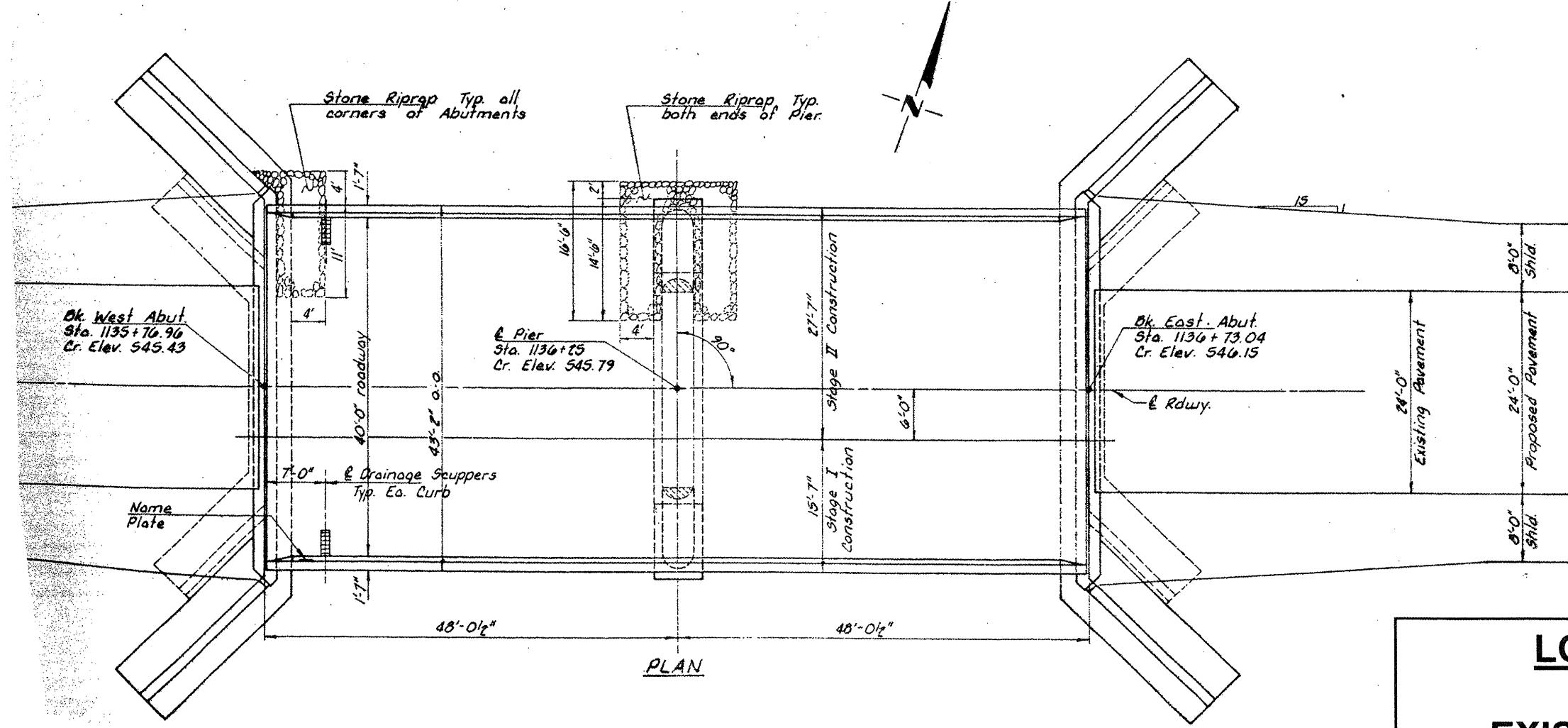
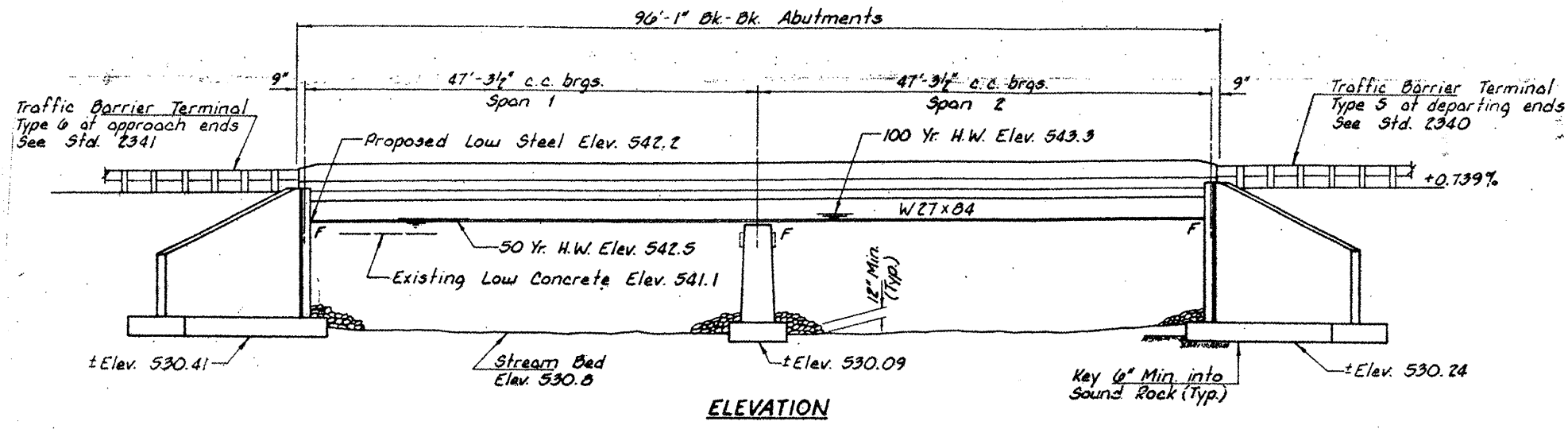
TYPE I ELASTOMERIC EXP. BRG.



LOCATION NO. 9
EXIST. BRIDGE PLANS
IL 19 OVER EJ&E RR
SN 016-0948

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	45

CONTRACT NO. 60F04



LOCATION NO. 10

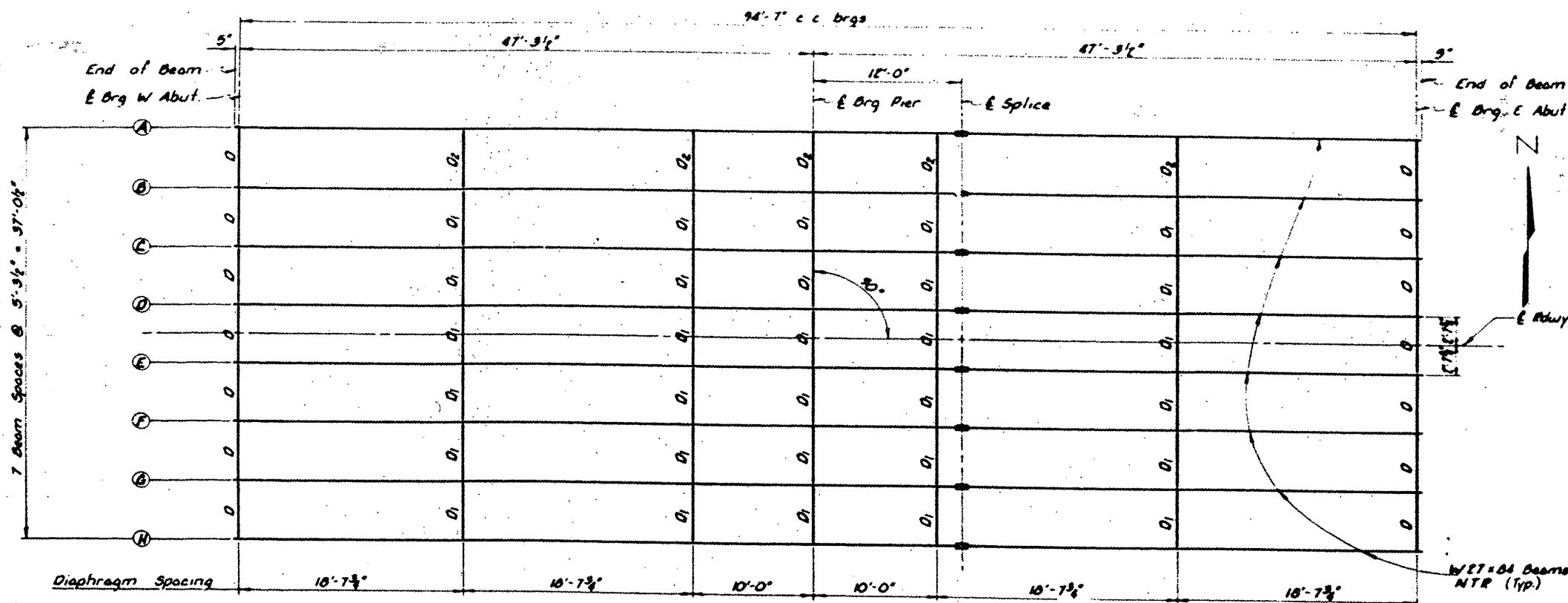
EXIST. BRIDGE PLANS

IL 53 OVER FORKED CREEK

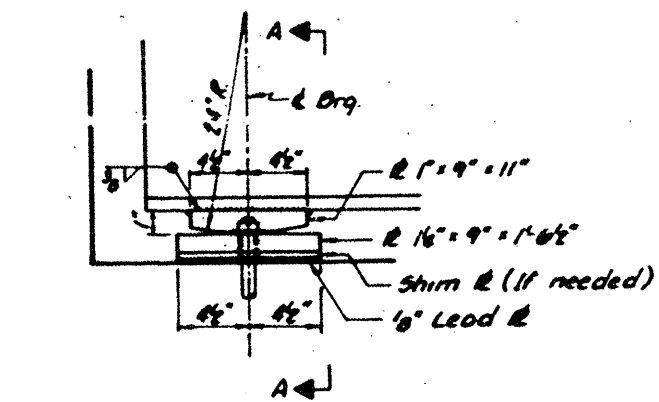
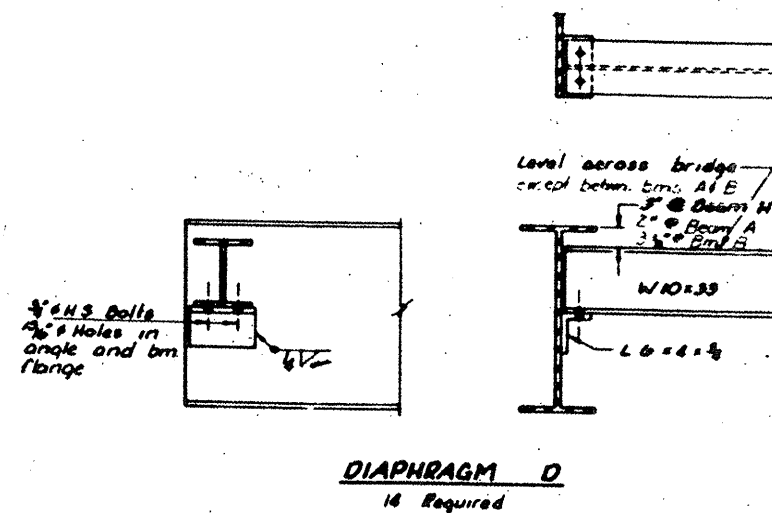
SN 099-0091

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 46
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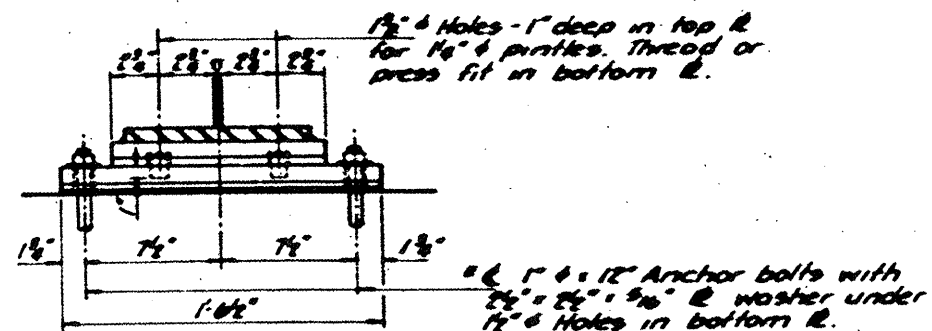
CONTRACT NO. 60F04



FRAMING PLAN

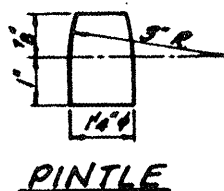


ELEVATION AT ABUTMENTS



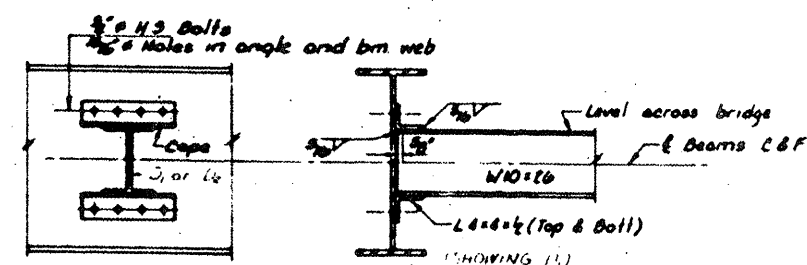
SECTION A-A

FIXED BEARING
(14 Required)



PINTLE

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

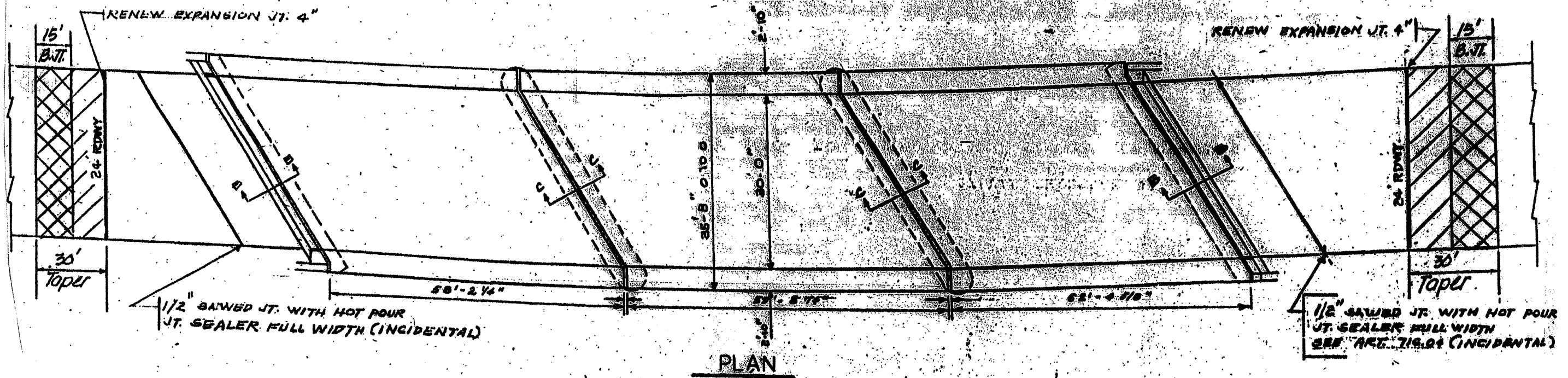
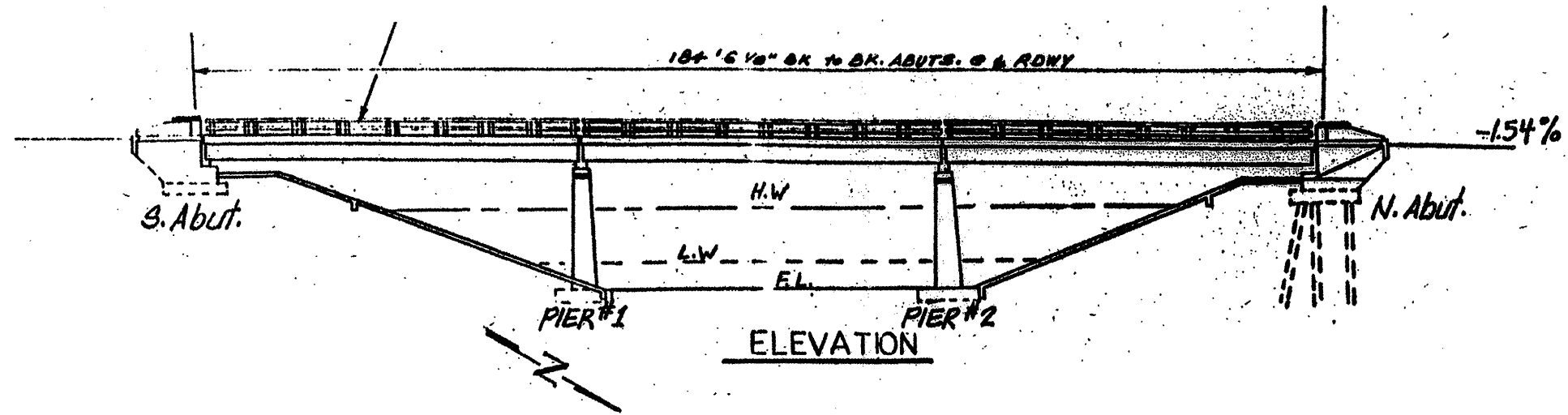


DIAPHRAGMS D1, D2
D1 = 30 Required, D2 = 5 Req'd

LOCATION NO. 10
EXIST. BRIDGE PLANS
IL 53 OVER FORKED CREEK
SN 099-0091

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 47
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CONTRACT NO. 60F04



LOCATION NO. 11

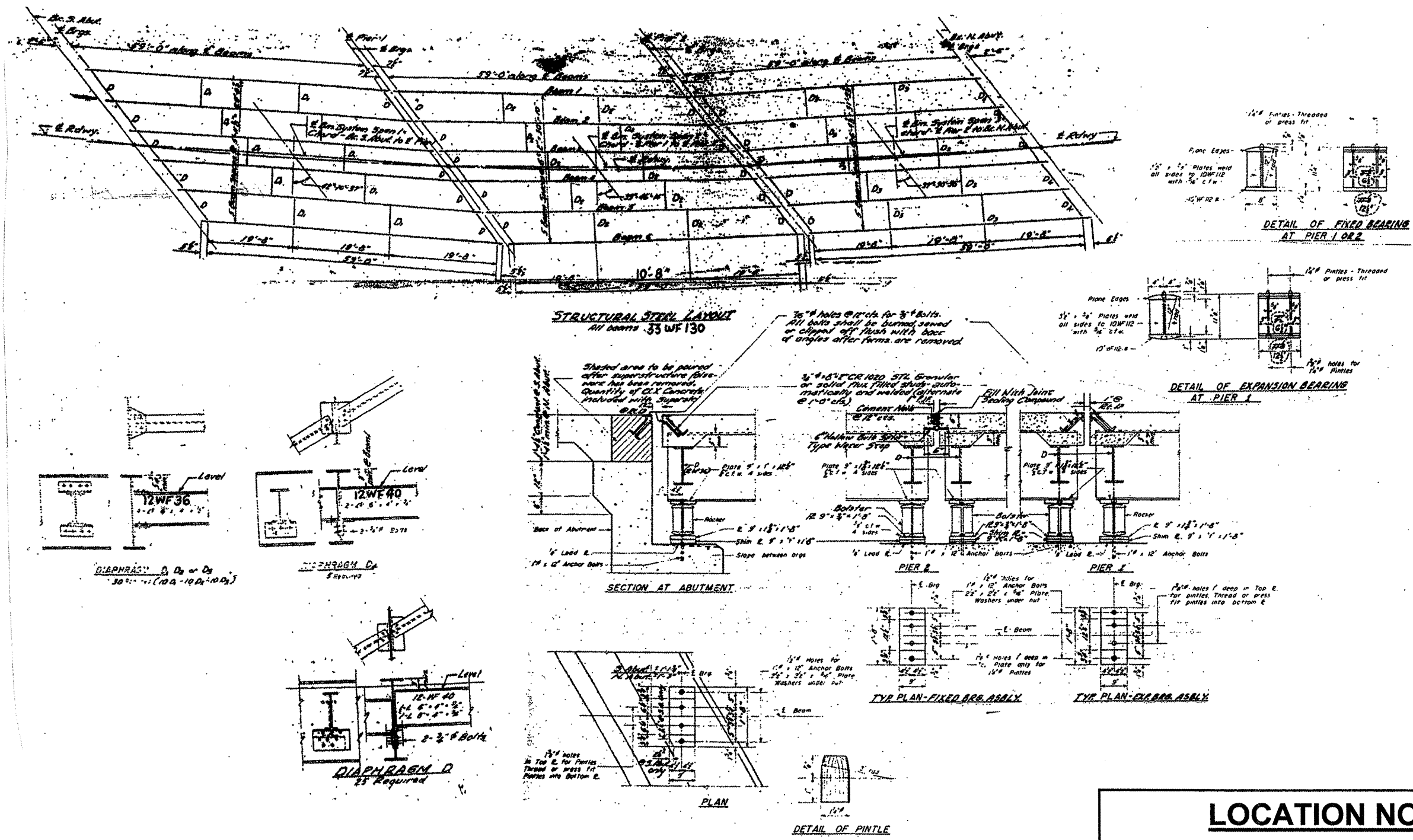
EXIST. BRIDGE PLANS

IL 113 OVER HORSE CREEK

SN 099-0171

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 48
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CONTRACT NO. 60F04



LOCATION NO. 11

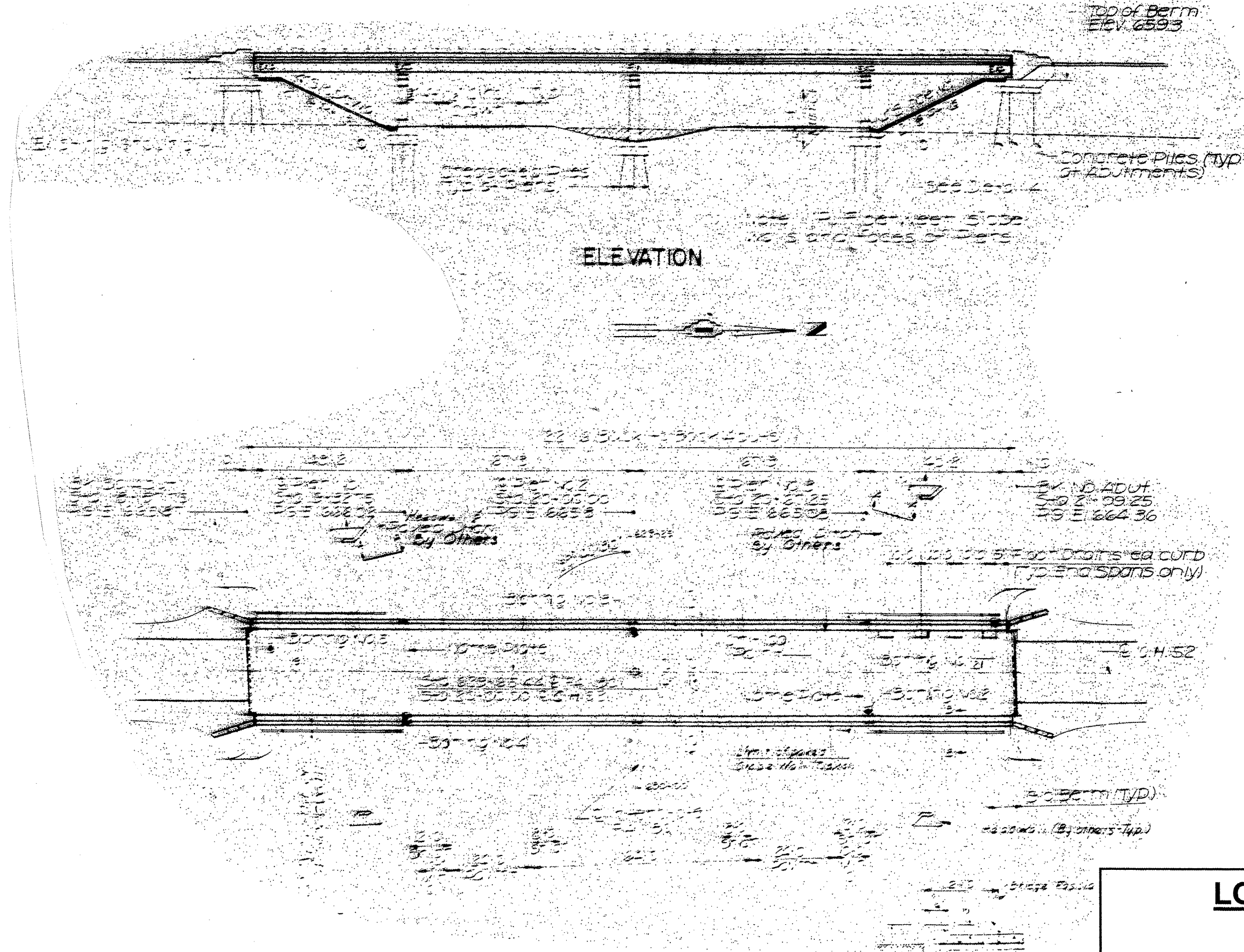
EXIST. BRIDGE PLANS

IL 113 OVER HORSE CREEK

SN 099-0171

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-053 BP	VARIOUS	54	49

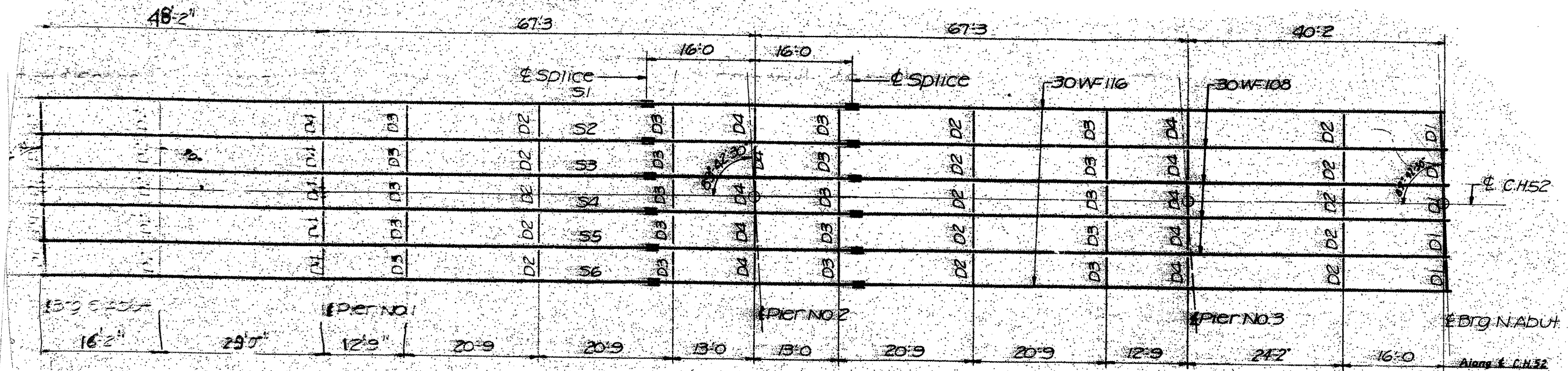
CONTRACT NO. 60F04



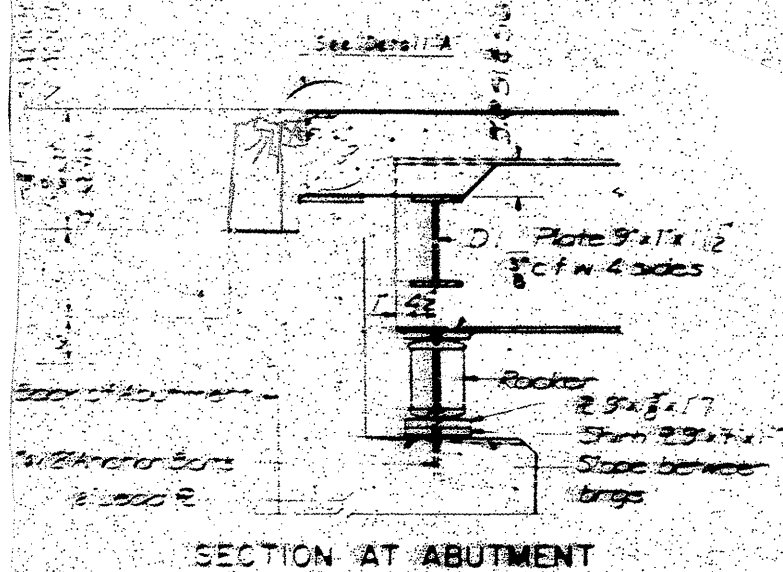
LOCATION NO. 12
EXIST. BRIDGE PLANS
GOUGAR RD. OVER I-80
SN 099-0203

ROUTE VARIOUS	SECTION 2008-053 BP	COUNTY VARIOUS	TOTAL SHEETS 54	SHEET NUMBER 50
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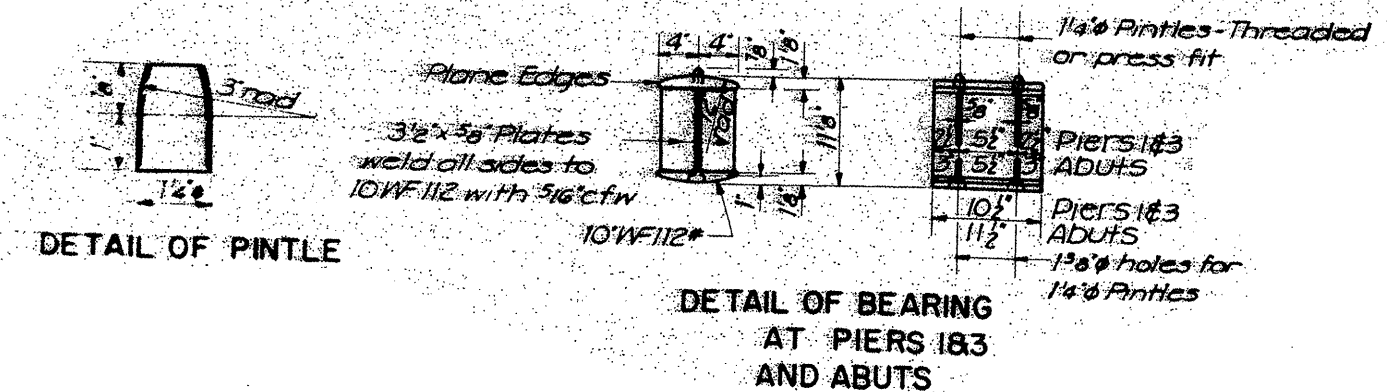
CONTRACT NO. 60F04



PLAN OF STRUCTURAL STEEL

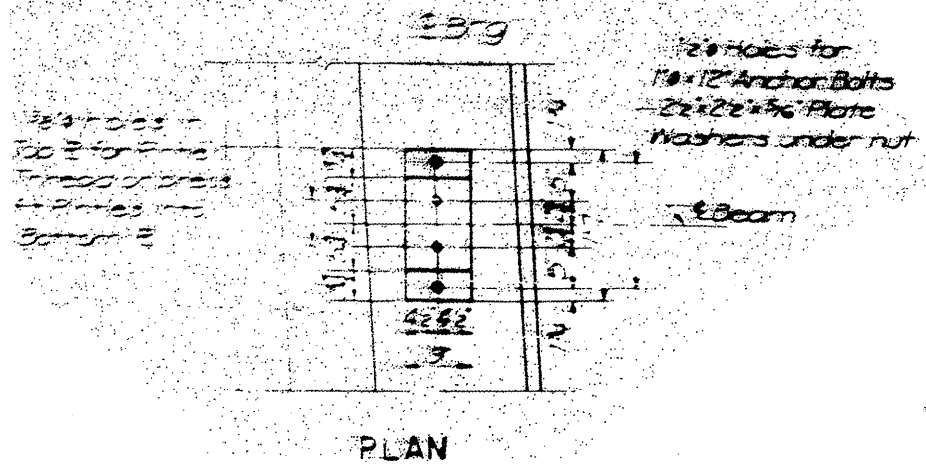


SECTION AT ABUTMENT



DETAIL OF PINTLE

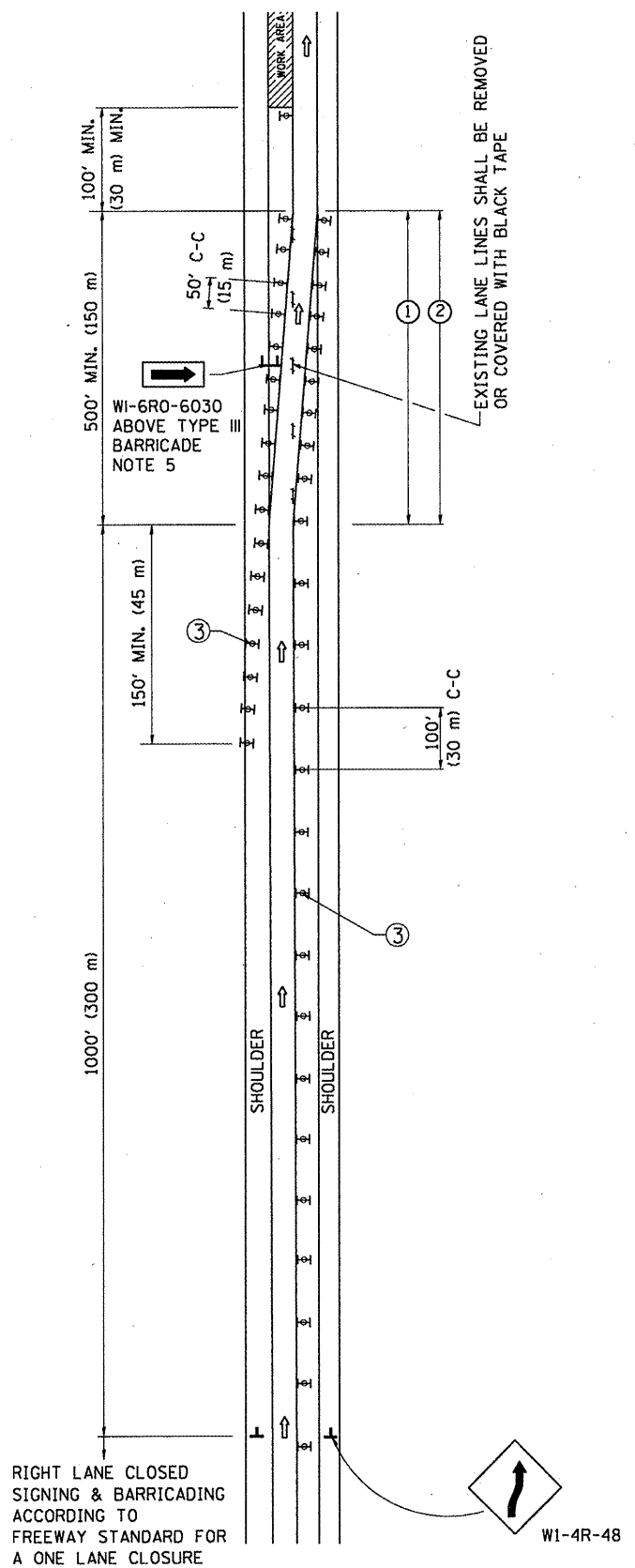
DETAIL OF BEARING AT PIERS 183 AND ABUTS



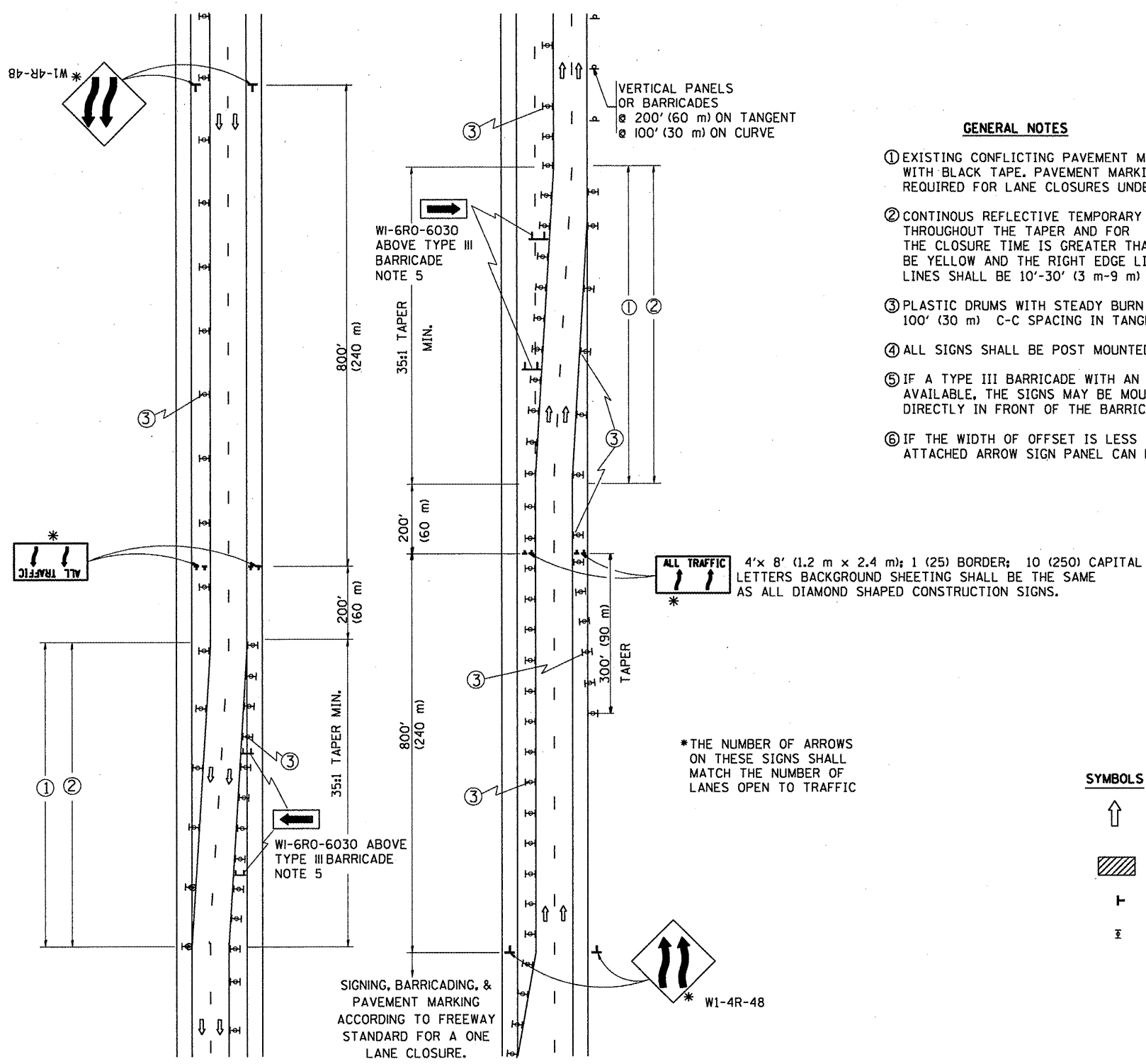
PLAN

LOCATION NO. 12
EXIST. BRIDGE PLANS
GOUGAR RD. OVER I-80
SN 099-0203

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

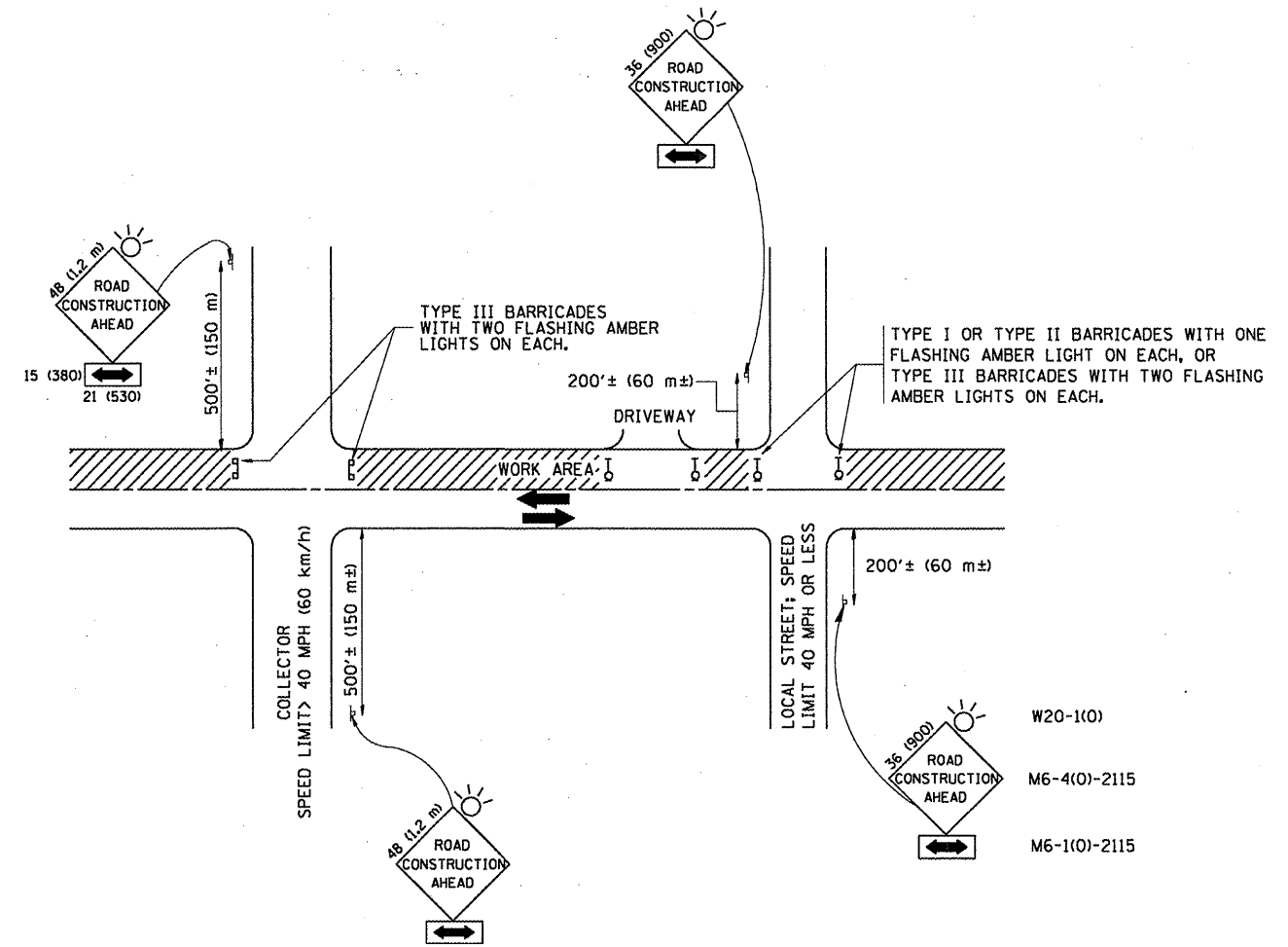
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.
- IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = hmdaneh	DESIGNED - DWS	REVISED - DWS 11-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwwork\pwwdot\hmdaneh\dms91047\dms	gn.ea.dgn	DRAWN -	REVISED - JAF 01-03		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	2008-053 BP	VARIOUS	54	51
		CHECKED -	REVISED - JAF 02-06					TC-09		CONTRACT NO. 60F04		
		DATE - 02-87	REVISED - SPB 01-07					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

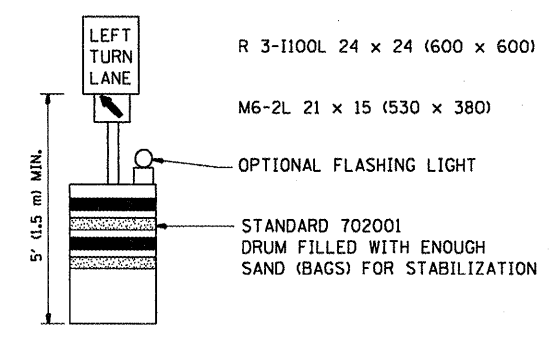
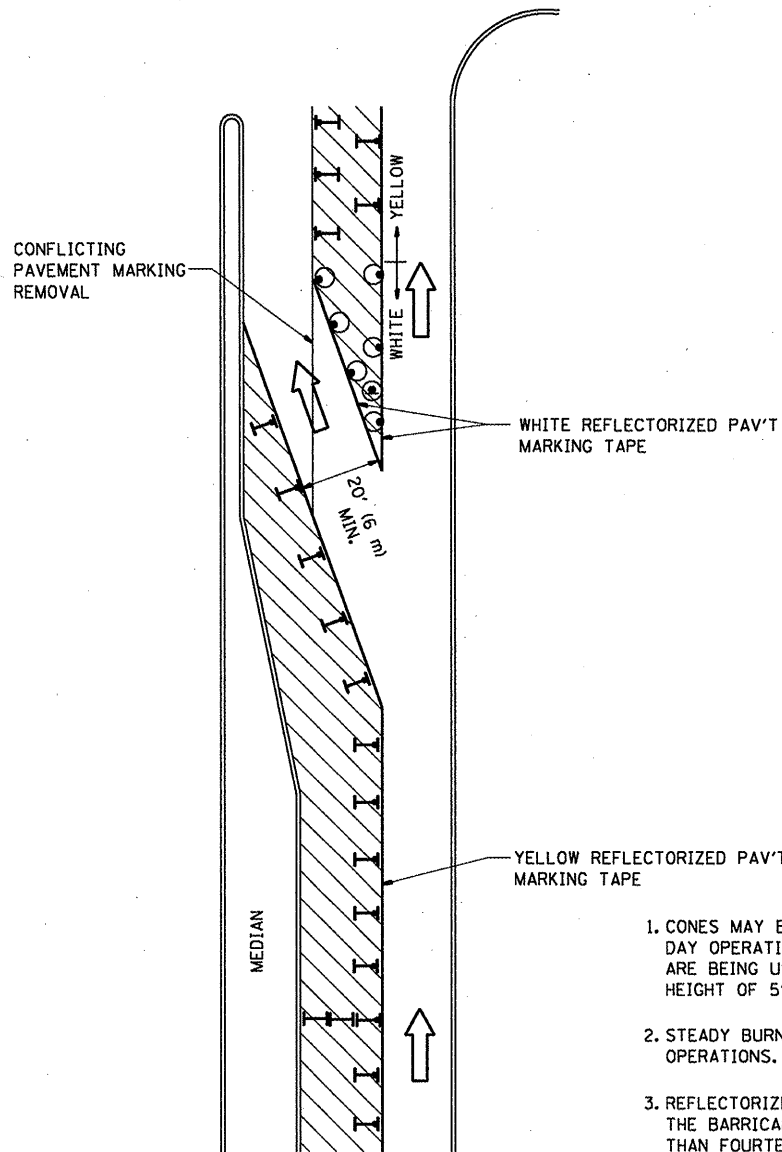
FILE NAME =	USER NAME = hamdanah	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
ca:\p\work\p\dot\hamdanah\dms91047\dsgn_ea.dgn	gn_ea.dgn	DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISOR - A. HOUSEH 10-15-96	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 2/13/2009	DATE - 06-89		

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2008-053 BP	VARIOUS	54	52
TC-10			CONTRACT NO. 60F04	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

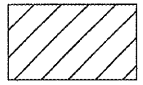
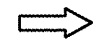






GENERAL NOTES

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 MONODIRECTIONAL.
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

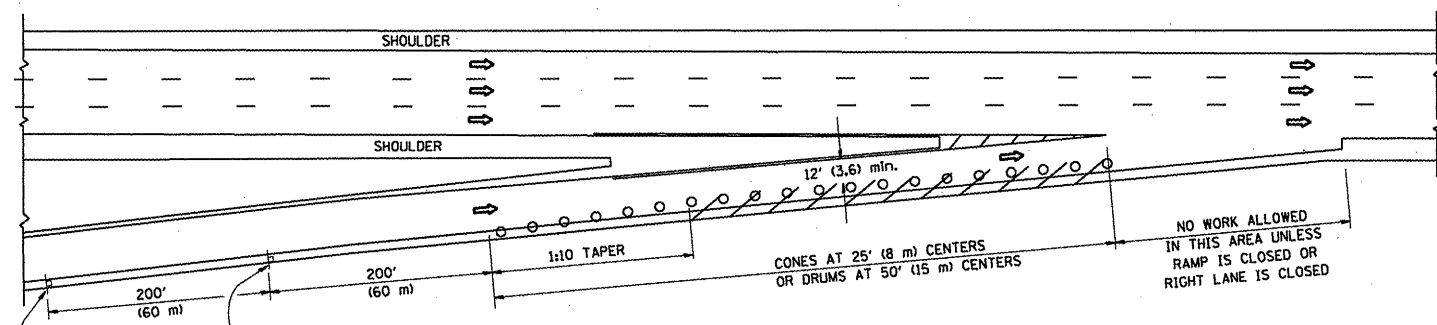
USER NAME = hamdanah	DESIGNED -	REVISED -T. RAMMACHER 09-08-94
	DRAWN -	REVISED - A. HOUSEH 11-07-95
PLOT SCALE = 100,0000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-12-96
PLOT DATE = 2/13/2009	DATE -	REVISED -T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

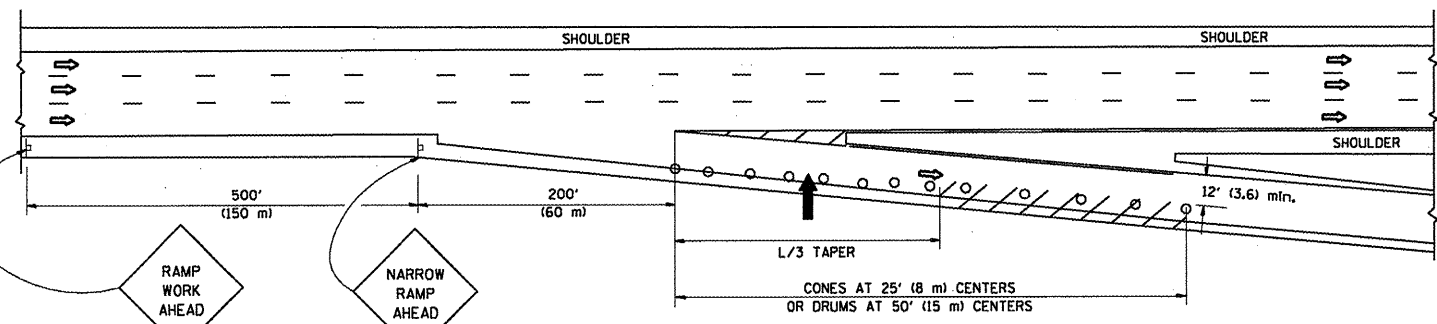
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2008-053 BP	VARIOUS	54	53
TC-14			CONTRACT NO. 60F04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

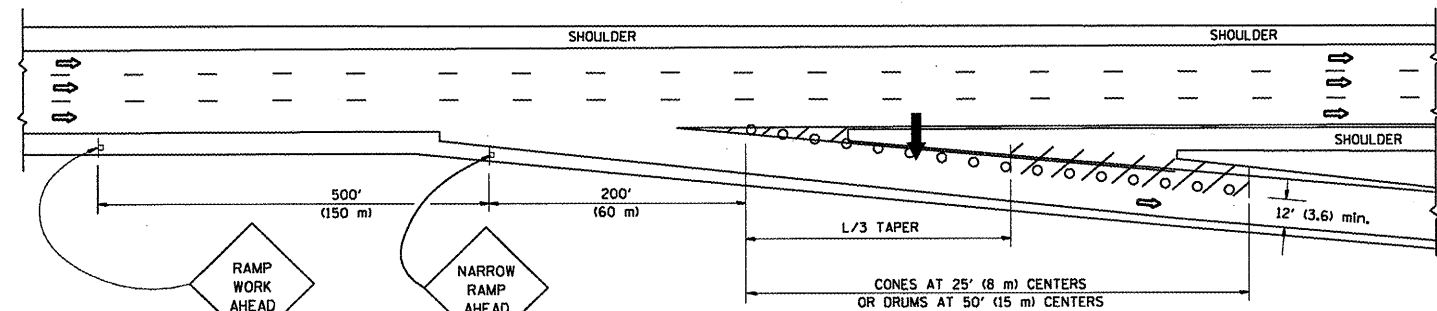
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

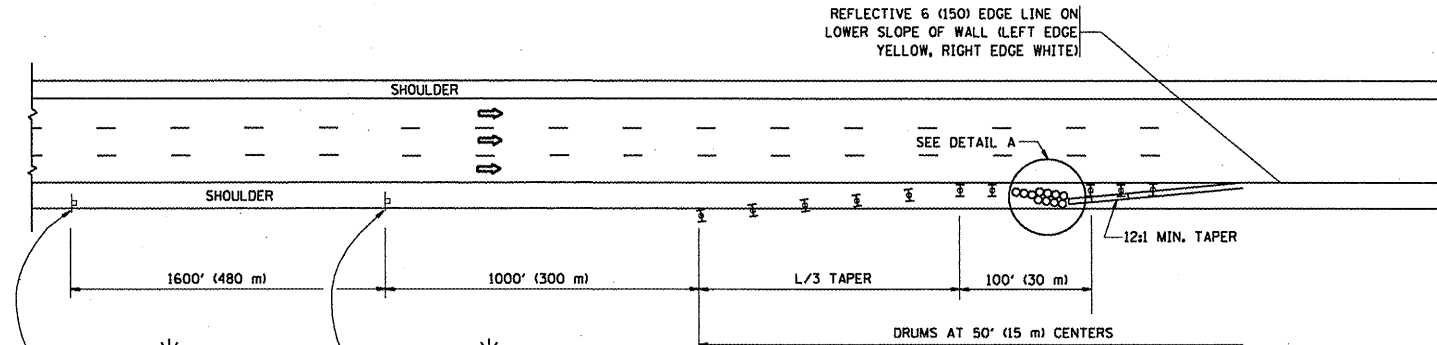
- ➔ ARROWBOARD
- ▨ WORK AREA
- ┆ SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- ⊕ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

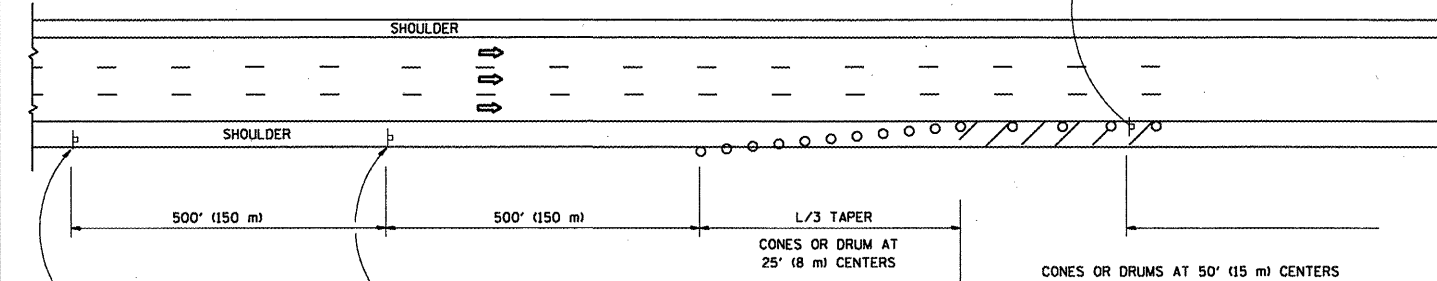
1. THE "L" DISTANCE EQUALS:

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 = hamdanah	DESIGNED -	REVISED - J.A.F. 12-02
ct:\pw\work\pwwdot\hamdanah\dms91047\des	gn_ee.dgn	DRAWN - D.W.S.	REVISED - 04-03
PLOT SCALE = 1/8" = 1' / IN.		CHECKED -	REVISED - J.A.F. 12-06
PLOT DATE = 2/13/2009		DATE - 11-96	REVISED - 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.P. RTE.	SECTION	COUNTY	SHEETS	NO.
	2008-053 BP	VARIOUS	54	54
	TC-17			CONTRACT NO. 60F04
	FED. ROAD DIST. NO. 1			