

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	1

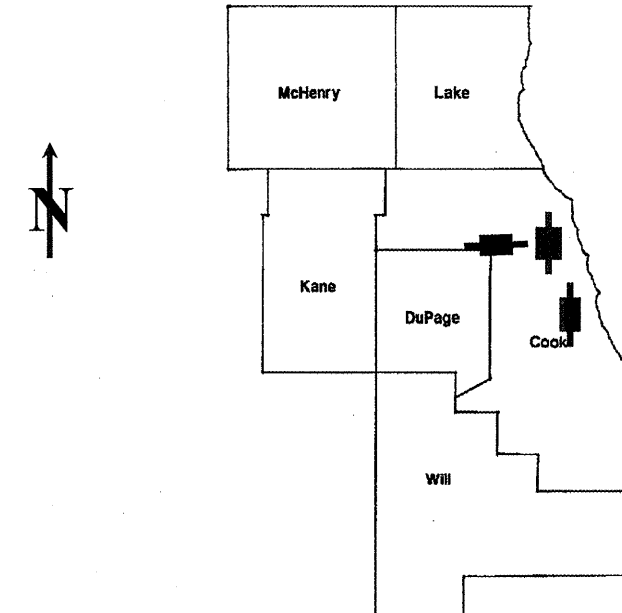
FOR INDEX OF SHEETS SEE SHEET 2

CONTRACT NO. 60G14  
D-91-343-09

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

IMPROVEMENTS ARE LOCATED IN THE  
CITY OF CHICAGO

VARIOUS ROUTES  
VARIOUS LOCATIONS  
SECTION 2009-016 BP  
BRIDGE PAINTING  
COOK COUNTY  
C-91-343-09



LOCATION OF IMPROVEMENT INDICATED THUS: 

LOCATION 1) SN 016-0119  
LOCATION 2) SN 016-1137  
LOCATION 3) SN 016-2519

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED: FEBRUARY 13, 2009  
*Diane 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

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

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

CONTRACT NO. 60G14

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	2

Contract 60G14

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ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS  
STATE STANDARDS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	3

CONTRACT NO. 60G14

**GENERAL NOTES**

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 CITY OF CHICAGO.

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.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.OT.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFGFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	4

Contract 60G14

**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 FOR ALL LOCATIONS. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUE."

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. ALL OTHER LOCATIONS: THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES, AND THE STEEL COLUMNS & PIERS AT LOCATION 3, 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.

LOCATION 1 (SN 016-0119)

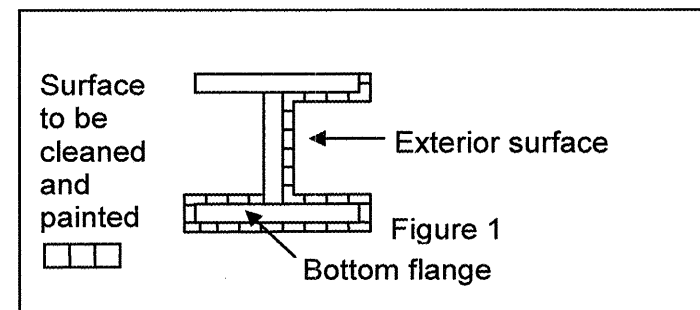
ALL BEARINGS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THE EXTERIOR SURFACES OF THE FACIA BEAMS, INCLUDING BEARING RISERS, TOP AND BOTTOM OF THE BOTTOM FLANGE OF THE FASCIA BEAMS (SEE FIGURE 1), THE TOP AND BOTTOM OF THE BOTTOM FLANGE OF ALL INTERIOR BEAMS AND ALL LOWER HORIZONTAL BRACING SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. DO NOT CLEAN OR PAINT THE BEARING SUPPORT GRILLAGES.

LOCATION 2 (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.

LOCATION 3 (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 FASCIA BEAMS (SEE FIGURE 1), AND ALL STEEL COLUMNS, STEEL PIERS, AND CROSS GIRDERS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.



**FASCIA BEAM PAINTING DETAIL**

**FIGURE 1**

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	2009-016 BP	COOK	32	5

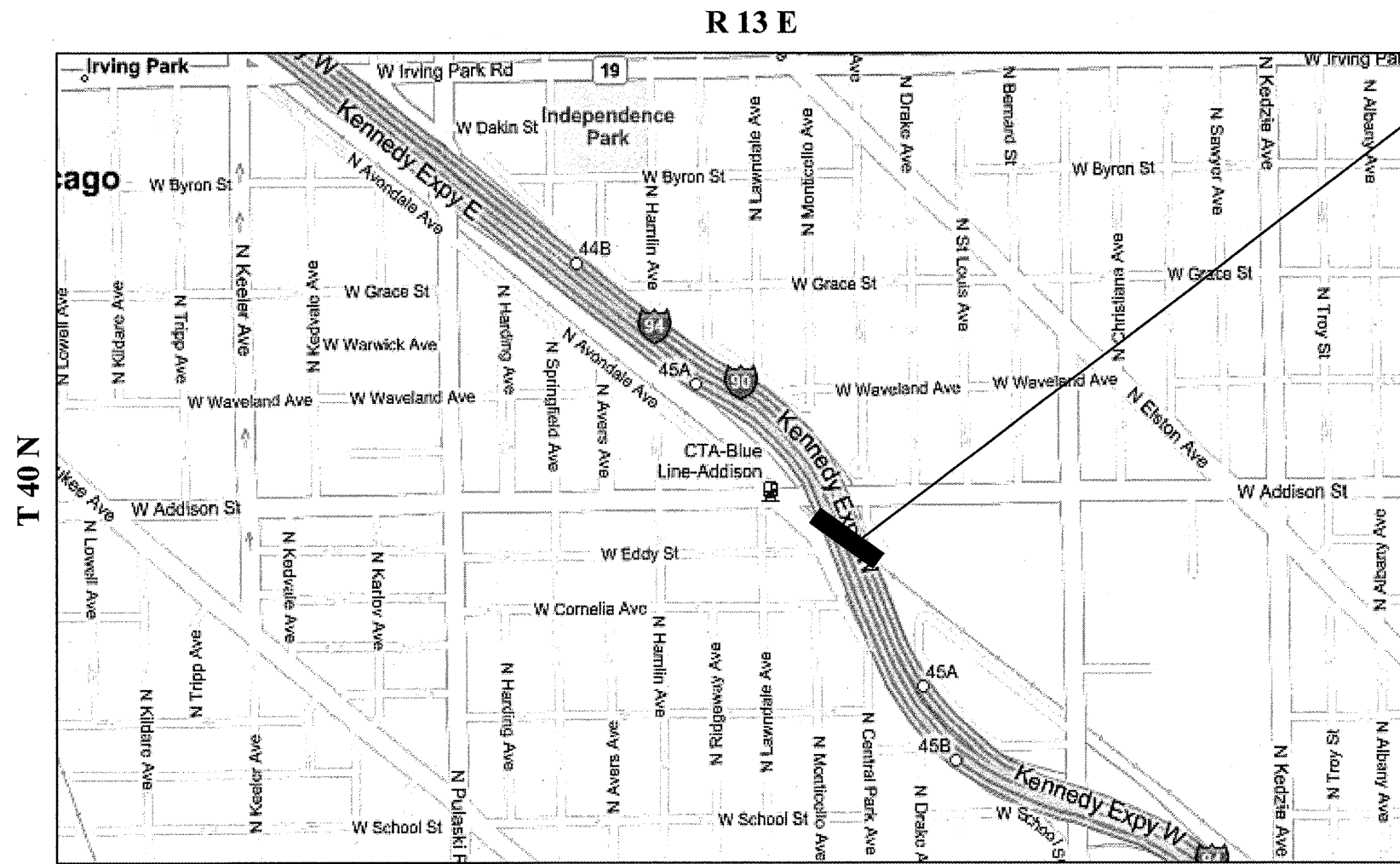
Contract 60G14

SUMMARY OF QUANTITIES				100% STATE		
Code No.	Description	Unit	Total Quantities	CONSTRUCTION TYPE CODE: SFTY - 2A		
				Location 1 016-0119	Location 2 016-1137	Location 3 016-2519
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
50606400	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1	0.75	0.06	0.19
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	2.1	1.3	1.6
67100100	MOBILIZATION	L SUM	1	0.75	0.06	0.19
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1		1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1			1
X03220467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SQ FT	24			24
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.42	0.25	0.33
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.5	0.5	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	VARIOUS	32	6

CONTRACT NO. 60G14



**LOCATION 1:**  
SN 016-0119  
 UP RR OVER I-90/94 (KENNEDY  
 EXPWY.) & CTA  
**CITY OF CHICAGO**

**JEFFERSON TOWNSHIP  
 COOK COUNTY**

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION MAPS**

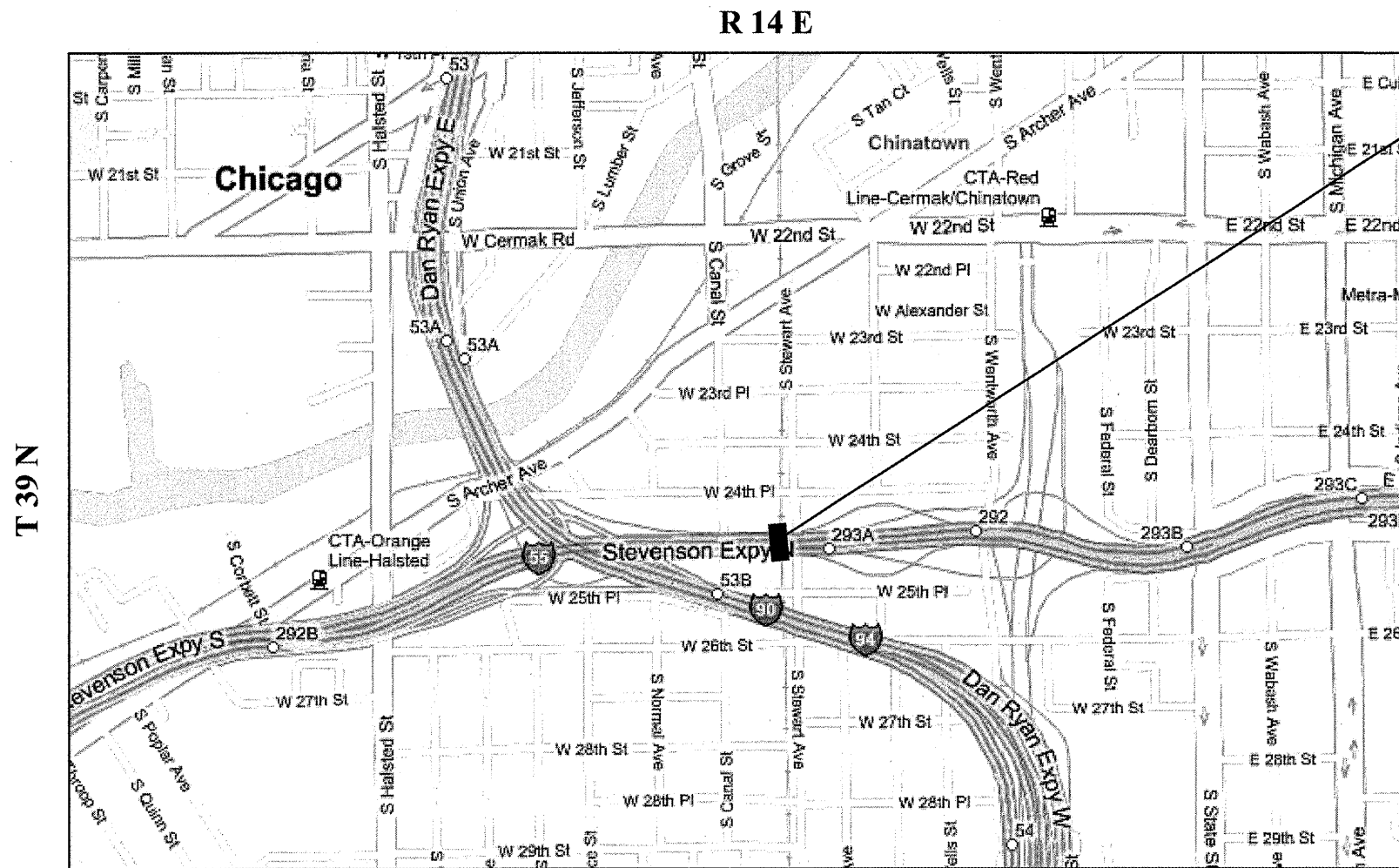
LOCATION 1: UP RR OVER I-90/94 & CTA

**TRAFFIC DATA: I-90/94**

2006 ADT = 271,200  
 POSTED SPEED LIMIT = 55 MPH

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	VARIOUS	32	7

CONTRACT NO. 60G14



**LOCATION 2:**  
 SN 016-1137  
 UP RR OVER I-55 (STEVENSON  
 EXPWY.)  
**CITY OF CHICAGO**



**SOUTH CHICAGO TOWNSHIP  
 COOK COUNTY**

ILLINOIS DEPARTMENT OF TRANSPORTATION

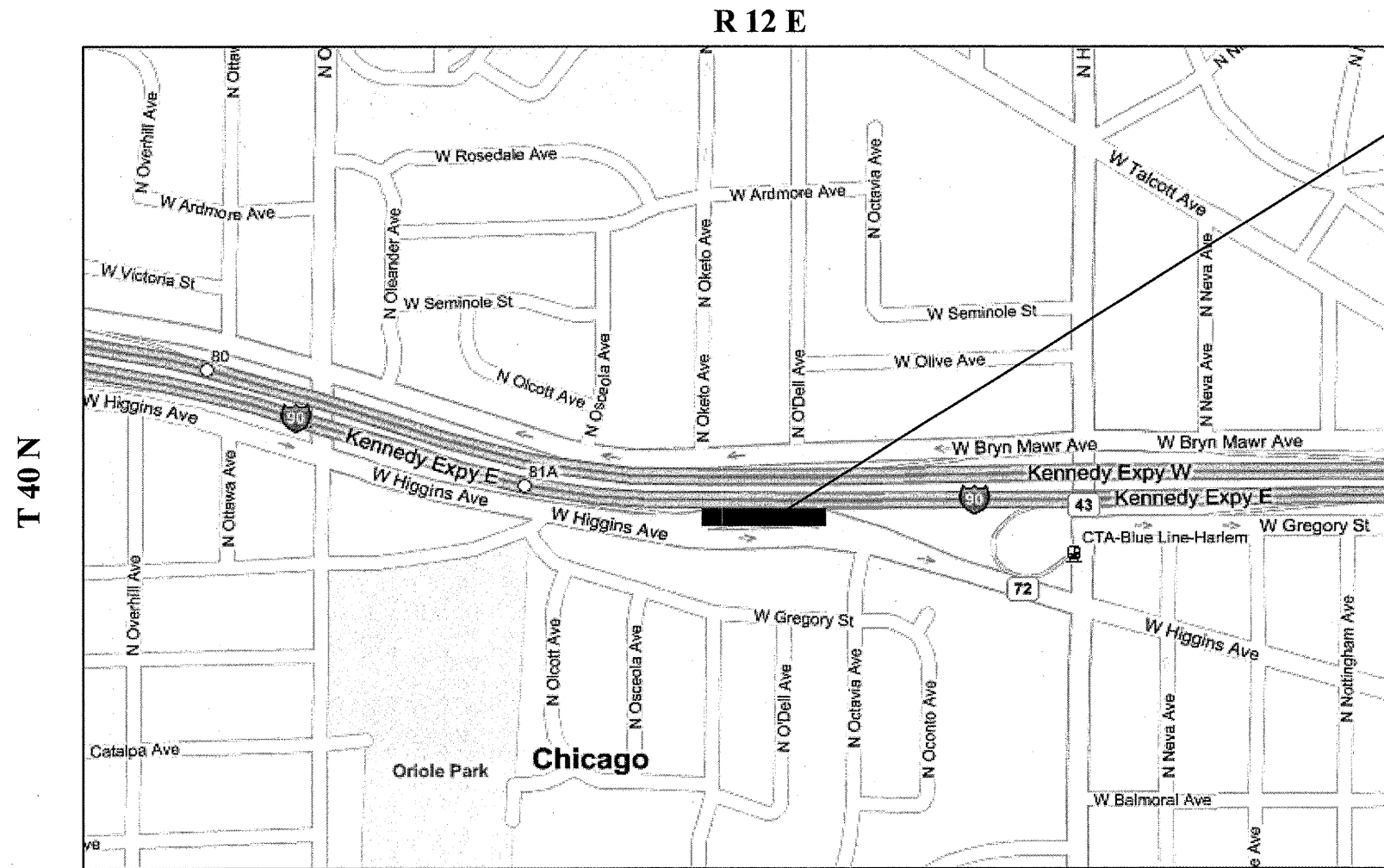
**LOCATION MAPS**

LOCATION 2: UP RR OVER I-55

**TRAFFIC DATA: I-55**  
 2006 ADT = 66,500  
 POSTED SPEED LIMIT = 55 MPH

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	VARIOUS	32	8

CONTRACT NO. 60G14



NORWOOD PARK TOWNSHIP  
COOK COUNTY

**LOCATION 3:**  
SN 016-2519  
IL 72 (HIGGINS AVE.) WB OVER I-90  
(KENNEDY EXPWY.) EB TO IL 43  
(HARLEM AVE.) RAMP  
**CITY OF CHICAGO**



**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

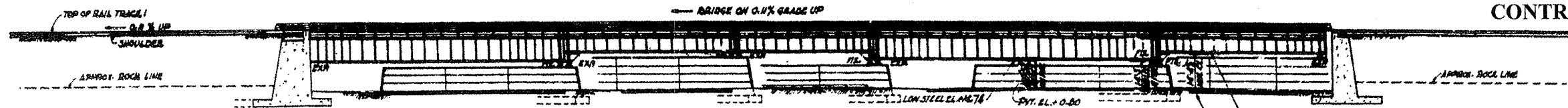
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION MAPS**

LOCATION 3: IL 72 WB OVER I-90 EB TO IL 43 RAMP

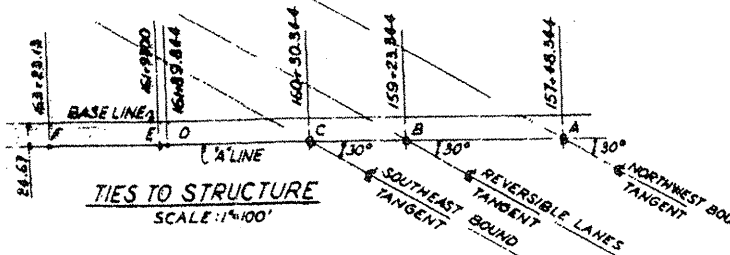
ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY COOK	TOTAL SHEETS 32	SHEET NUMBER 9
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CONTRACT NO. 60G14

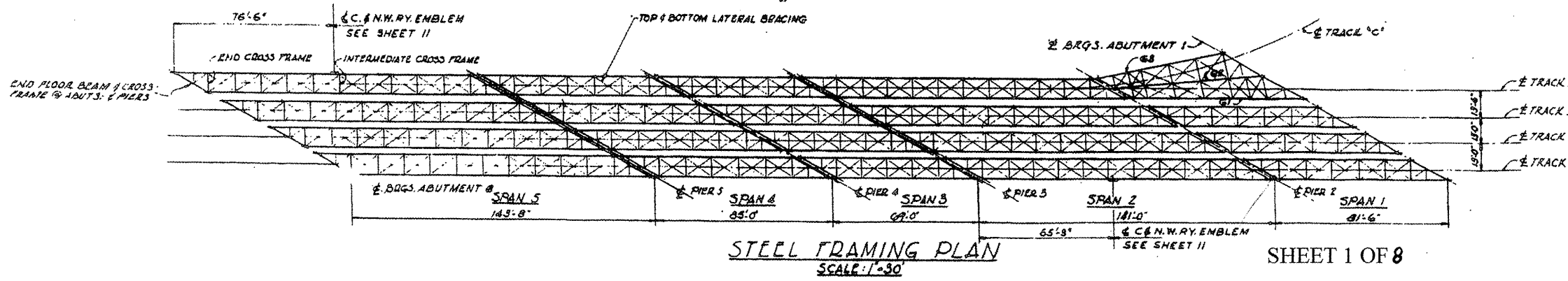
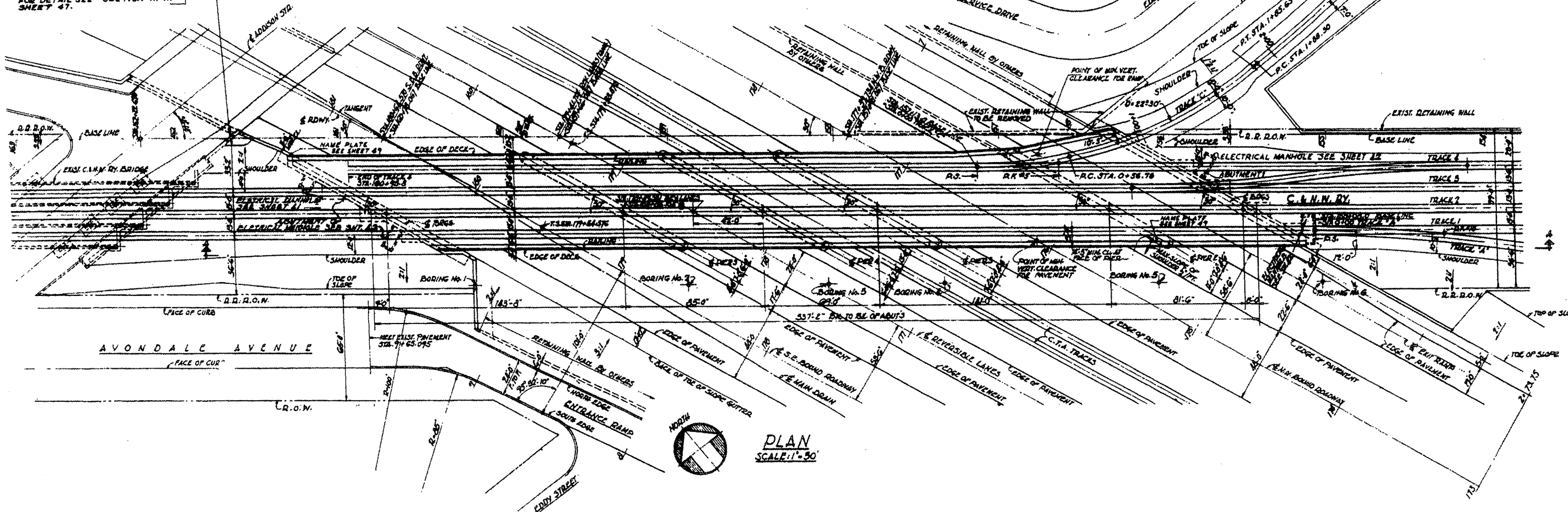


ELEVATION A-A  
SCALE: 1"=30'

- A AND C - 2x4 YELLOW STAKES WITH TACK
- B - 1/4x1/4 YELLOW STAKE WITH TACK
- D - NAIL IN 12x14 BEAM
- E - NOTCHED CROSS IN TOP OF RR BRIDGE ABUTMENT
- F - CENTER NAIL OF 8 NAILS ON 4x8 PLANKING FOR PLATFORM



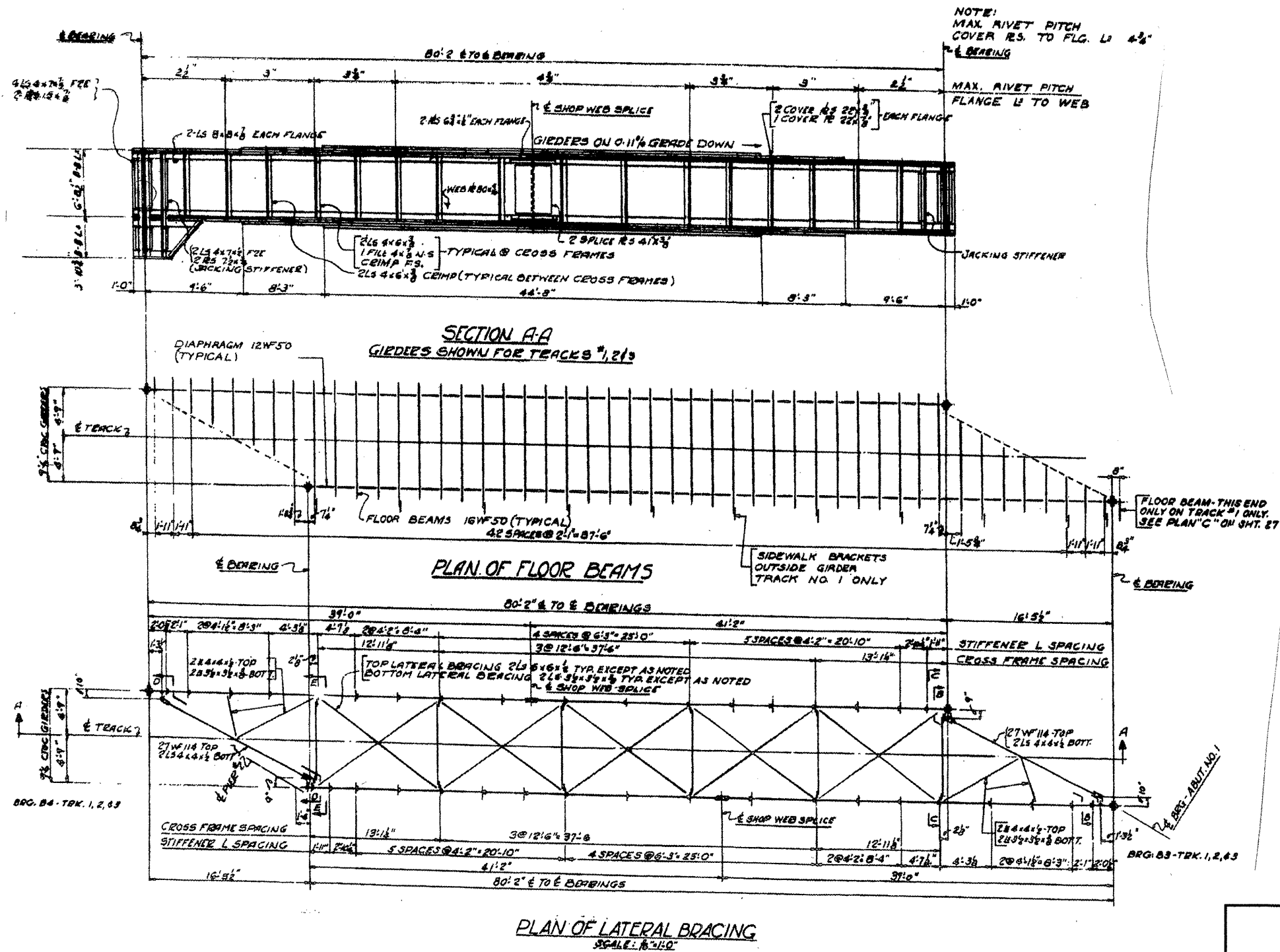
CLOSURE WALL TO BE CONSTRUCTED BY CONTRACTOR FOR THIS BRIDGE FOR DETAIL SEE SECTION M-M SHEET 47.



**LOCATION NO. 1**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-90/94 & CTA**  
**SN 016-0119**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	10

CONTRACT NO. 60G14



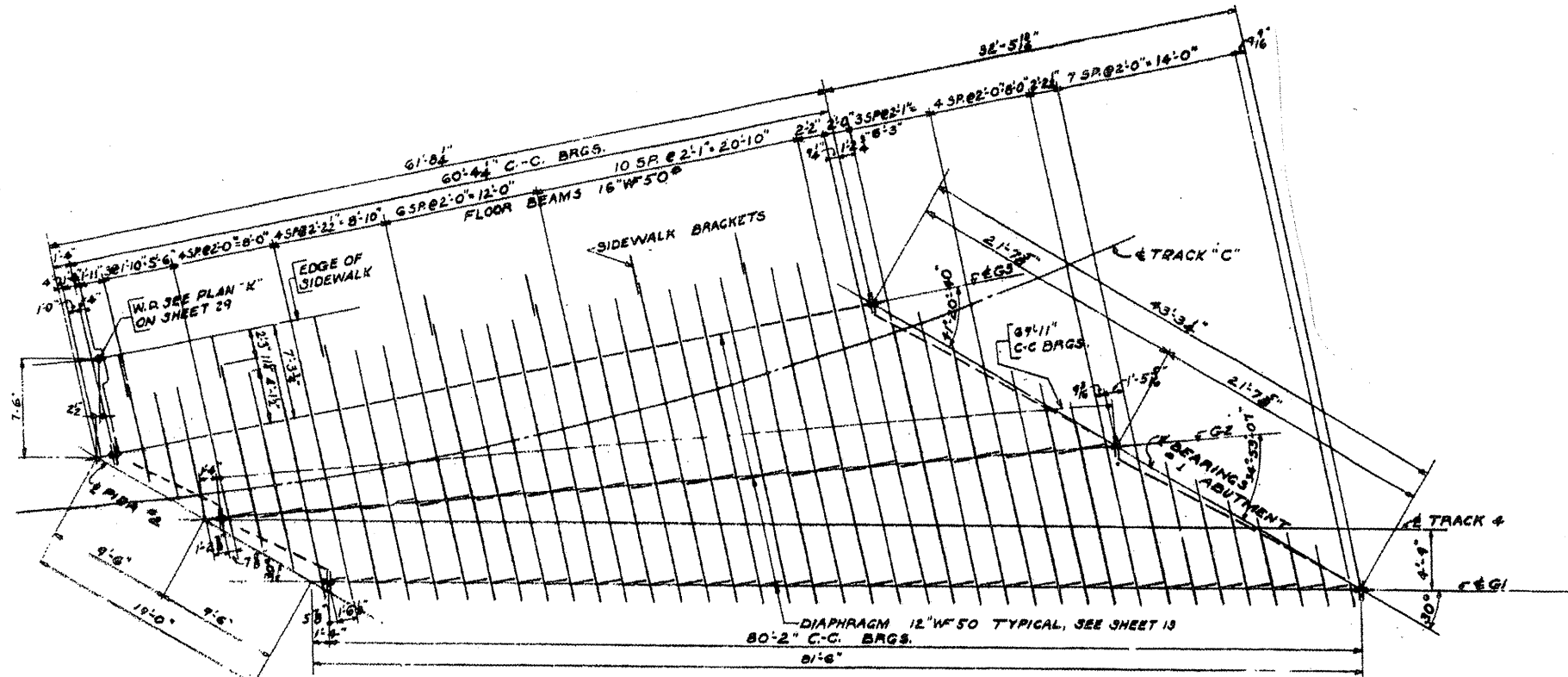
**LOCATION NO. 1**

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

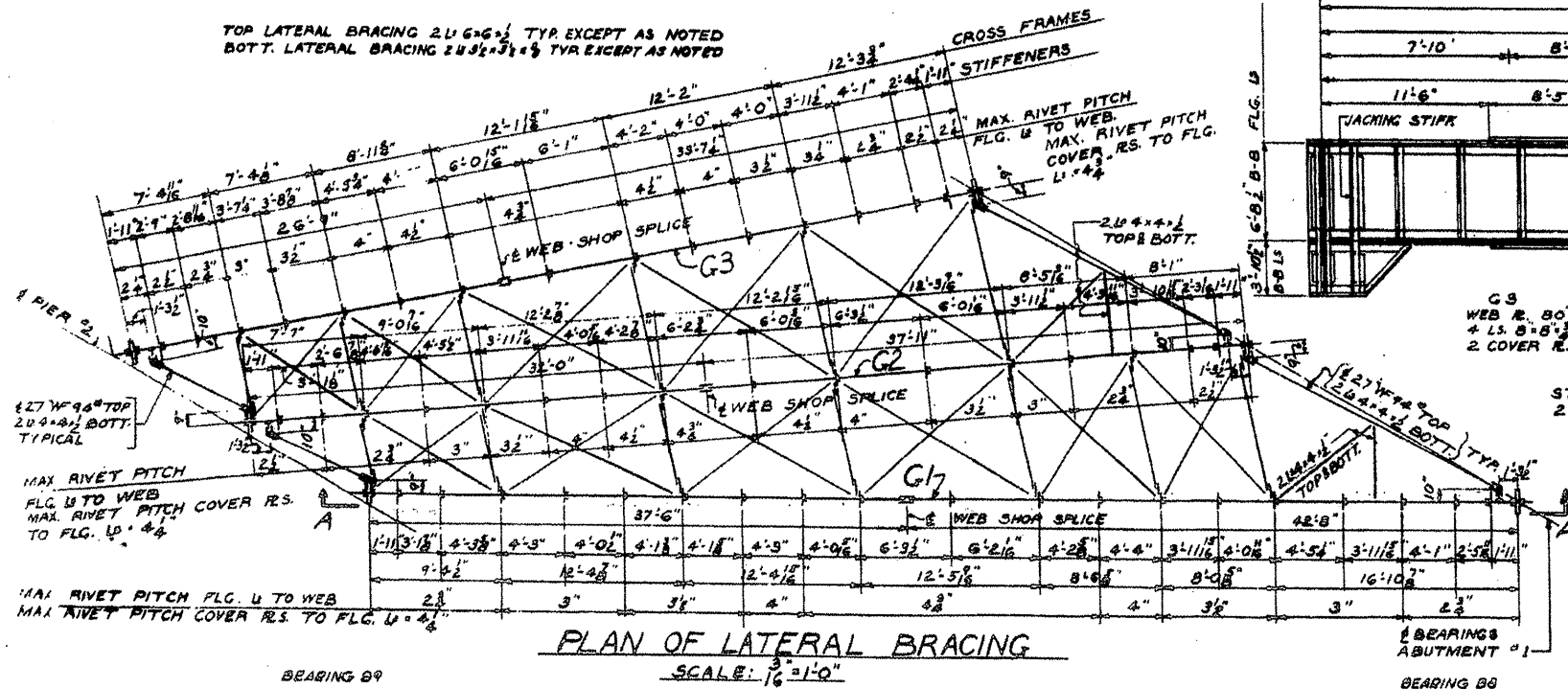


ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY COOK	TOTAL SHEETS 32	SHEET NUMBER 11
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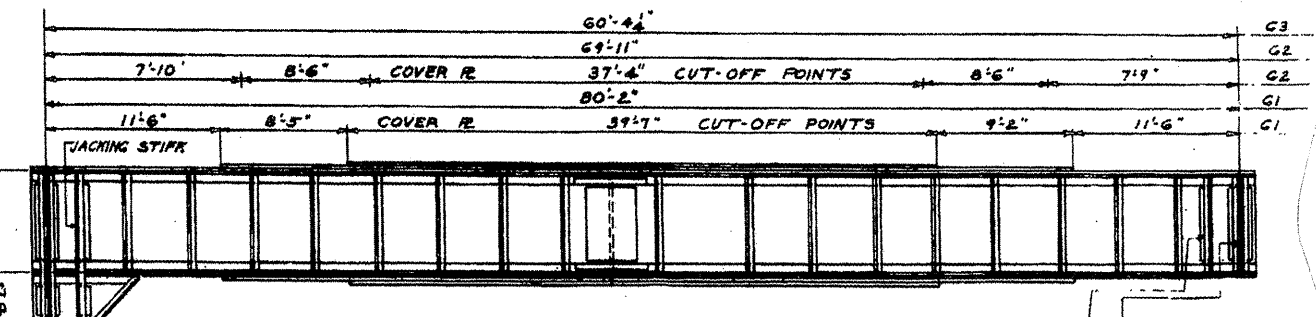
CONTRACT NO. 60G14



PLAN OF FLOOR BEAMS



PLAN OF LATERAL BRACING



G3  
WEB R. 80x7  
4 L.S. 8x8 3/8  
2 COVER RS. 20x3

G2  
WEB R. 80x7  
4 L.S. 8x8 3/8  
4 COVER RS. 20x3  
2 COVER RS. 20x3

G1  
WEB R. 80x7  
4 L.S. 8x8 3/8  
4 COVER RS. 20x3  
2 COVER RS. 20x3

JACKING STIFFS. TYP.  
2 L 4x7 1/2 F2E  
2 FILL RS. 7x3 1/2

END STIFFS. TYP.  
2 L 4x7 1/2 F2E  
2 FILL RS. 15x3

ELEV. A-A

GIRDER G1 SHOWN  
GIRDERS G2 & G3 SIMILAR EXCEPT AS NOTED

SCALE: 3/16" = 1'-0"

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

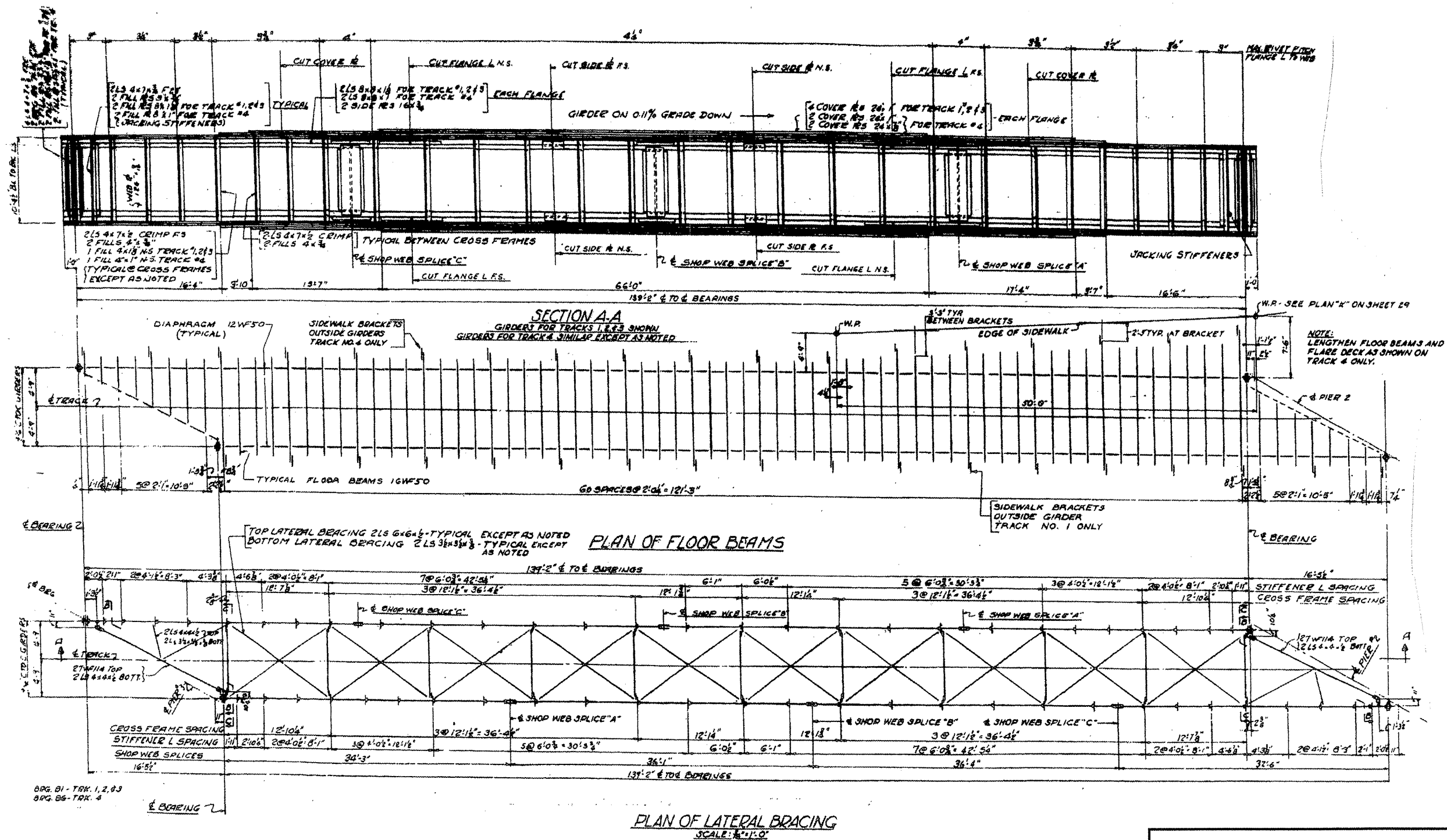
STIFFS. @ X-FRAMES  
1 L 4x6 3/8 CRIMPED N.S.  
1 L 4x6 3/8 RS.  
1 FILL R. 4x4 F.S.

**LOCATION NO. 1**

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

ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY COOK	TOTAL SHEETS 32	SHEET NUMBER 12
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CONTRACT NO. 60G14



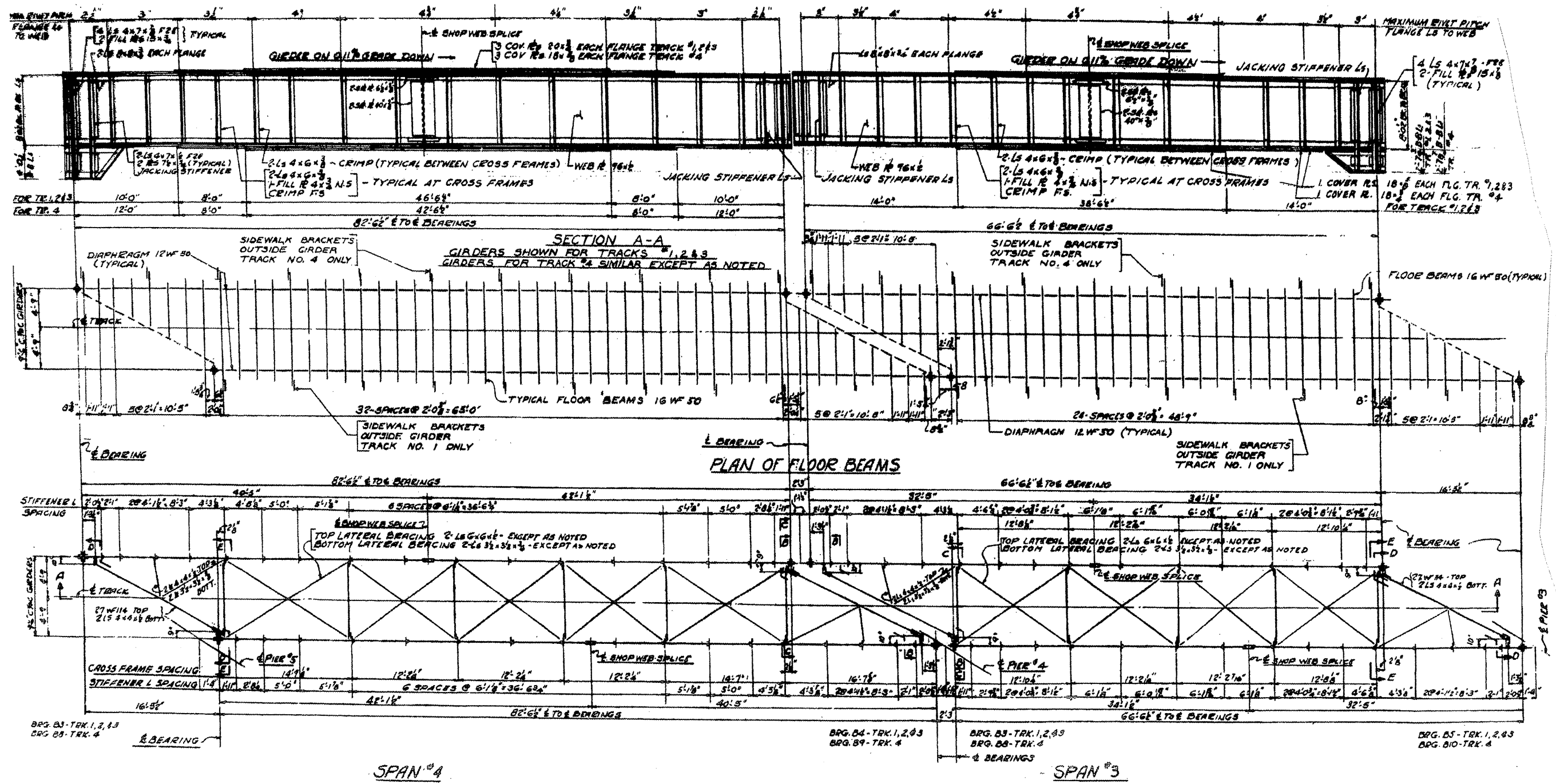
**LOCATION NO. 1**

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



ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY COOK	TOTAL SHEETS 32	SHEET NUMBER 13
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CONTRACT NO. 60G14

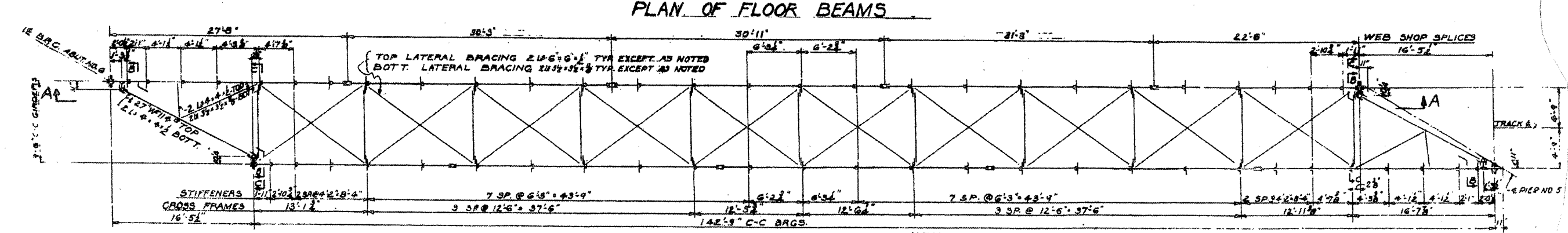
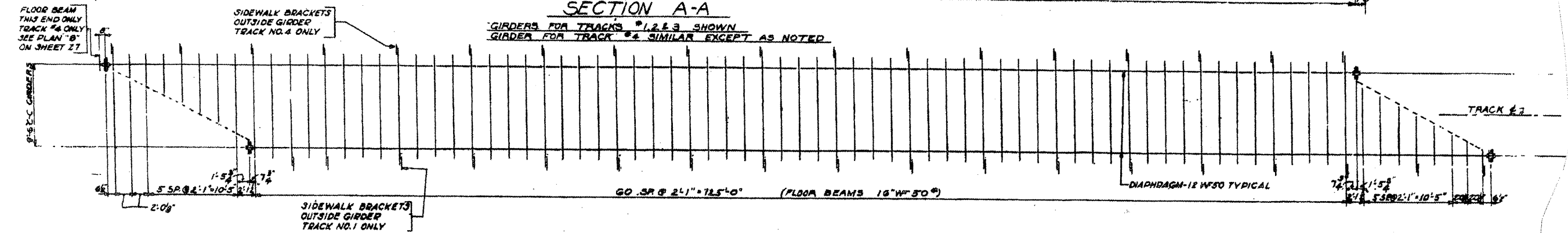
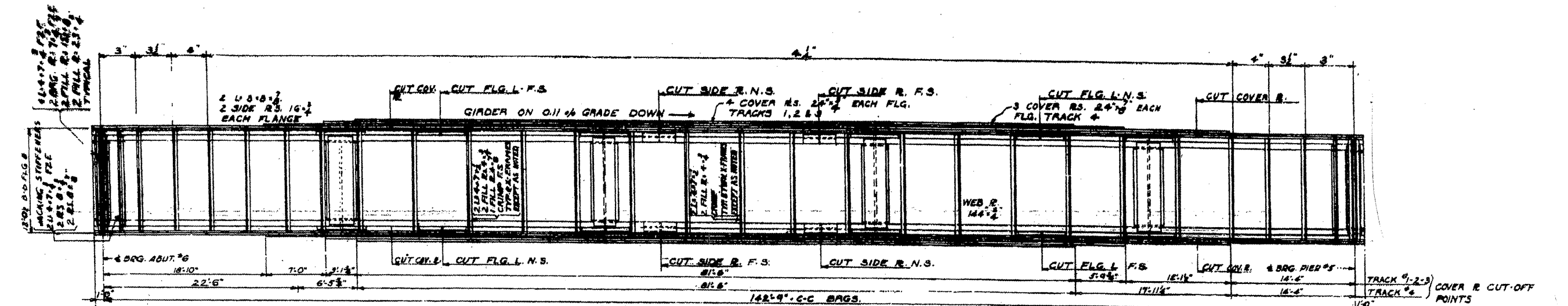


**LOCATION NO. 1**

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

ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY COOK	TOTAL SHEETS 32	SHEET NUMBER 14
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CONTRACT NO. 60G14



NOTE:  
GIRDERS ARE SYMMETRICAL  
BY ROTATION EXCEPT AS NOTED.

BRG. B1 - TRACK 1, 2, 3  
BRG. B2 - TRACK 4

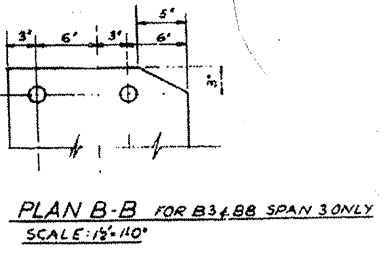
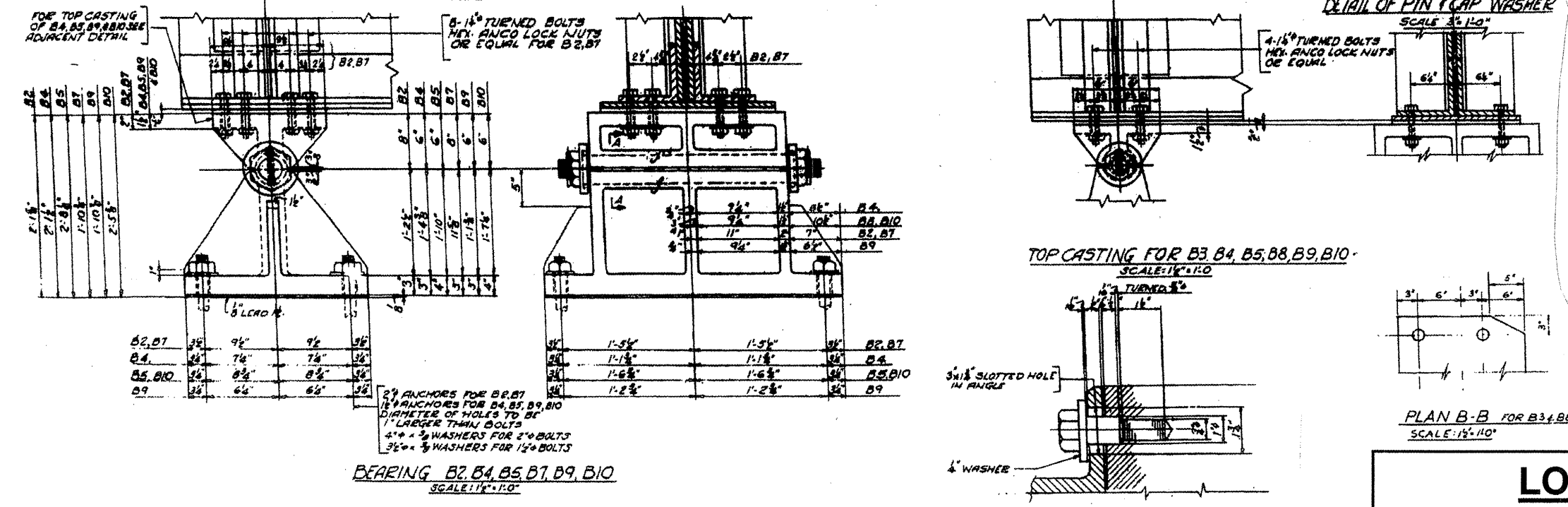
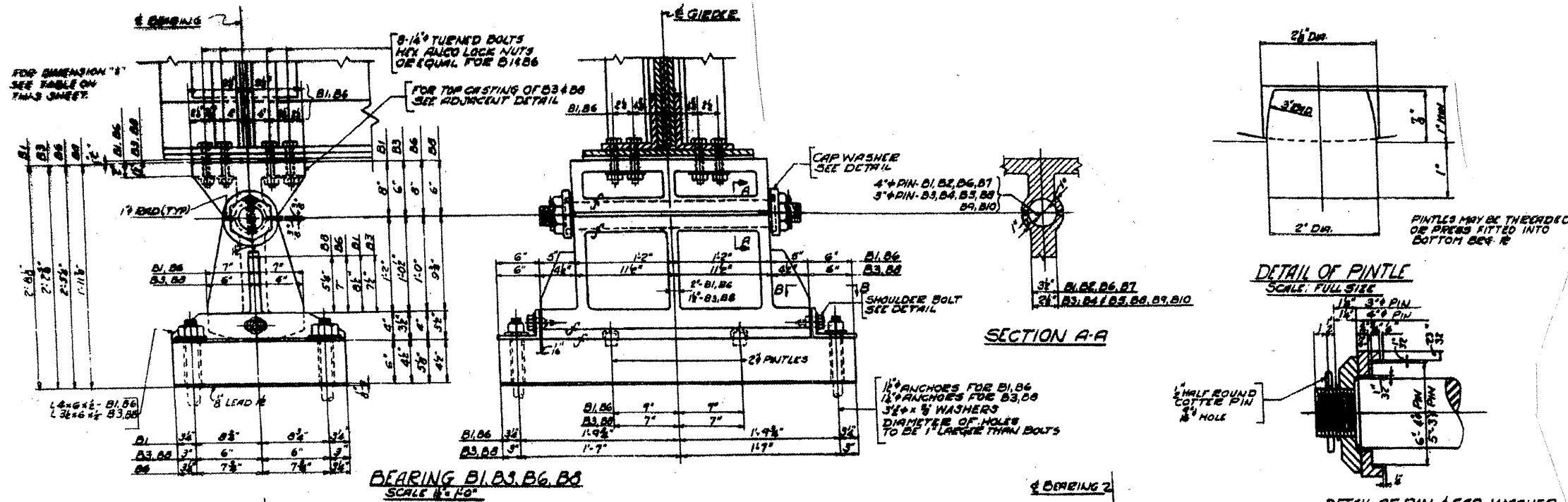
BRG. B2 - TRACK 1, 2, 3  
BRG. B7 - TRACK 4

PLAN OF LATERAL BRACING  
SCALE: 1/8"=1'-0"

**LOCATION NO. 1**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-90/94 & CTA**  
**SN 016-0119**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	15

CONTRACT NO. 60G14

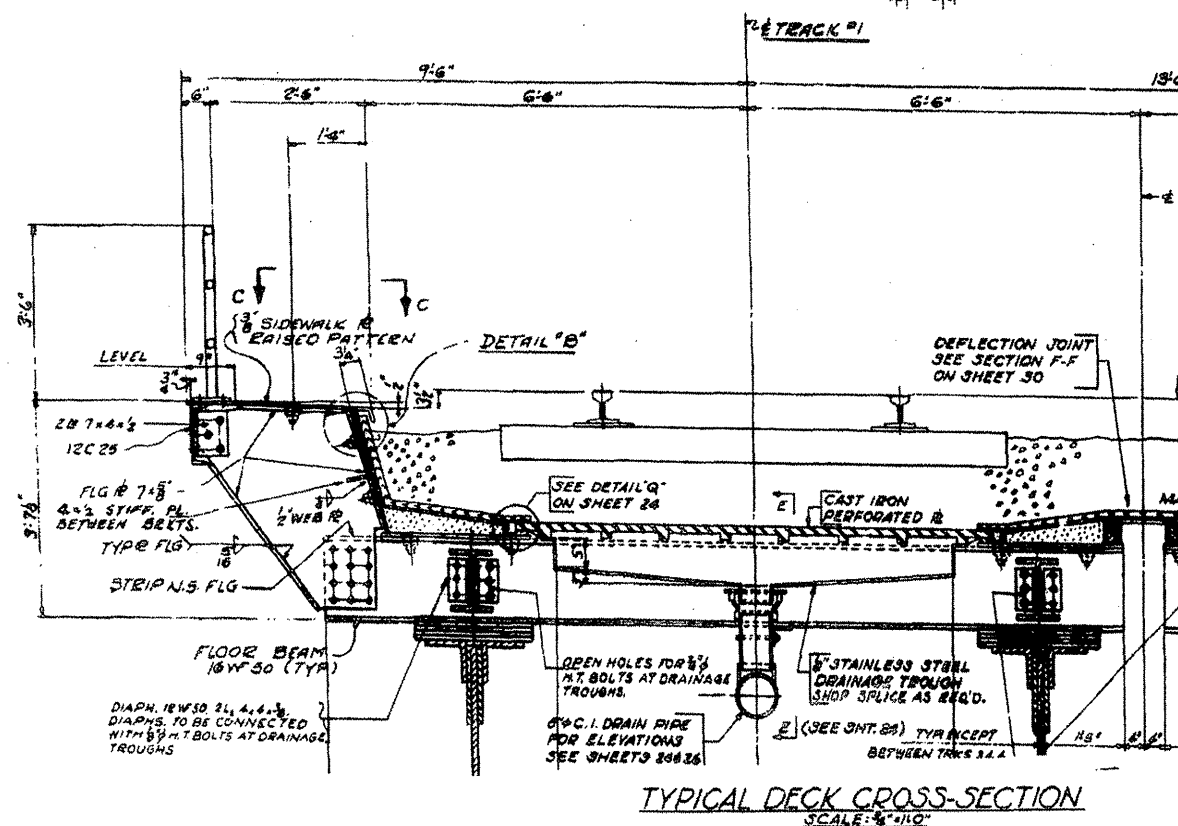
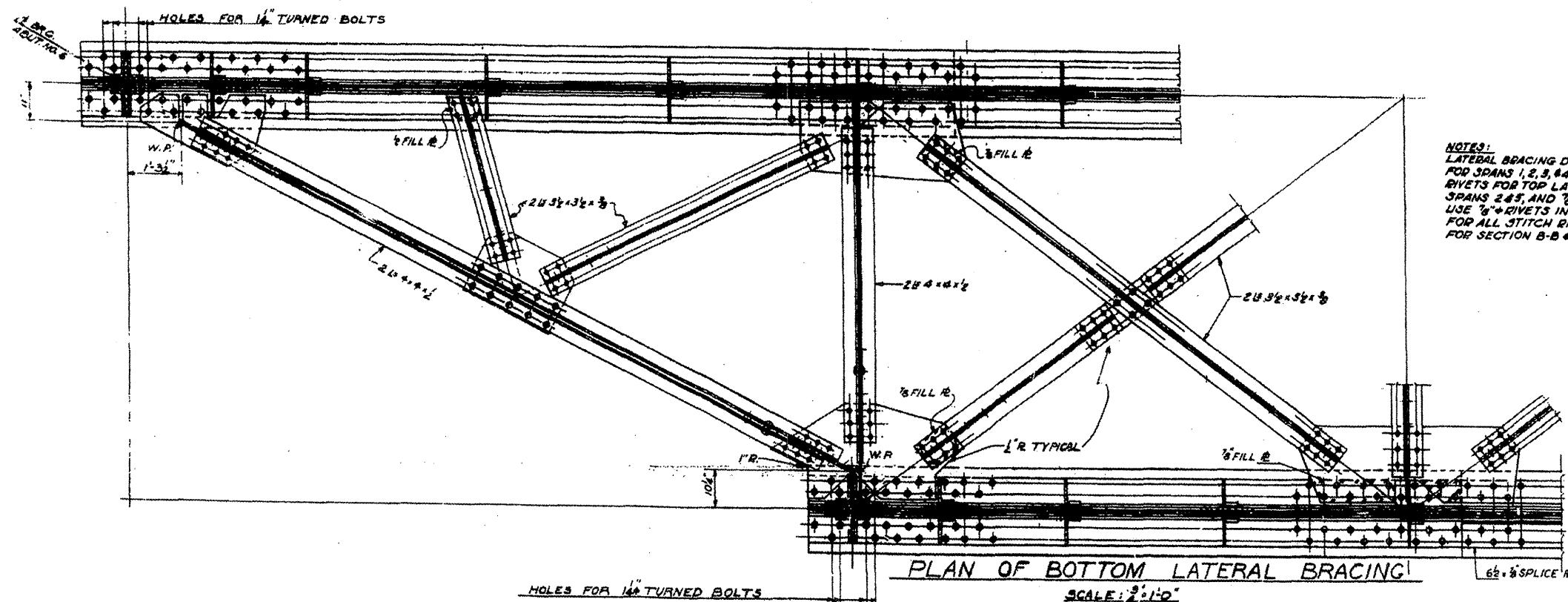


**LOCATION NO. 1**

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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	16

CONTRACT NO. 60G14



**LOCATION NO. 1**

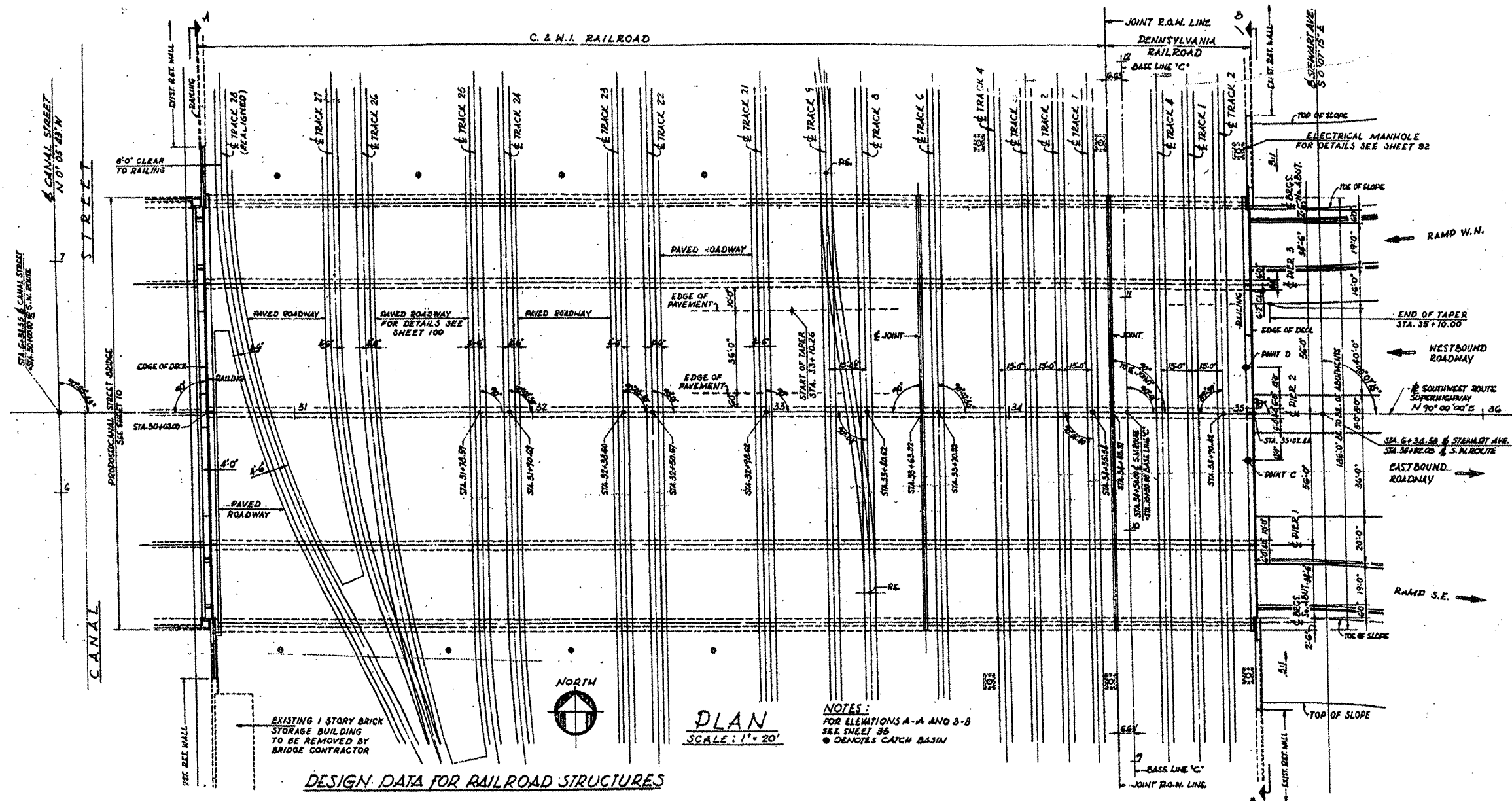
**EXIST. BRIDGE PLANS**

**UP RR OVER I-90/94 & CTA**

**SN 016-0119**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	17

CONTRACT NO. 60G14



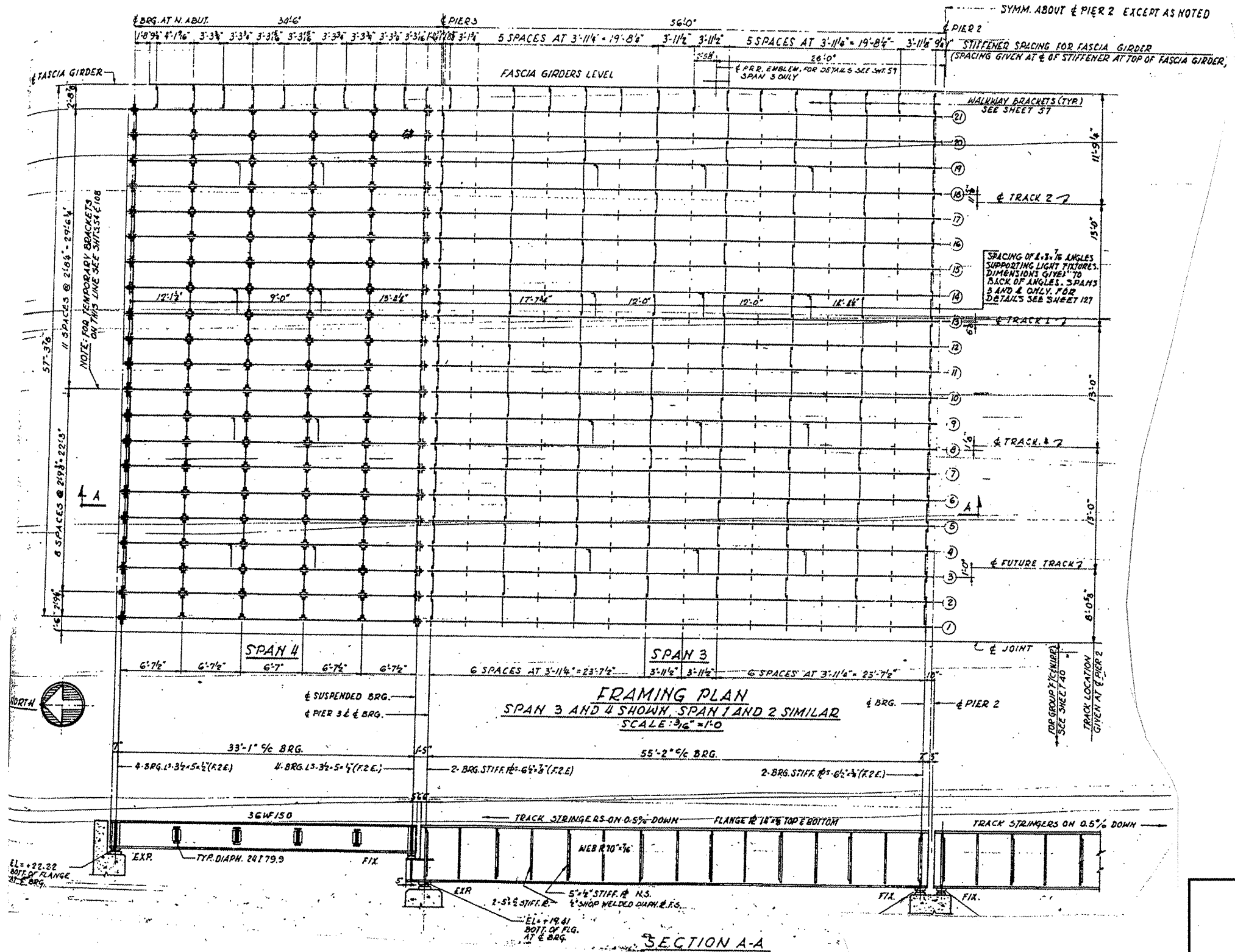
**LOCATION NO. 2**

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



ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY COOK	TOTAL SHEETS 32	SHEET NUMBER 18
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CONTRACT NO. 60G14



**LOCATION NO. 2**

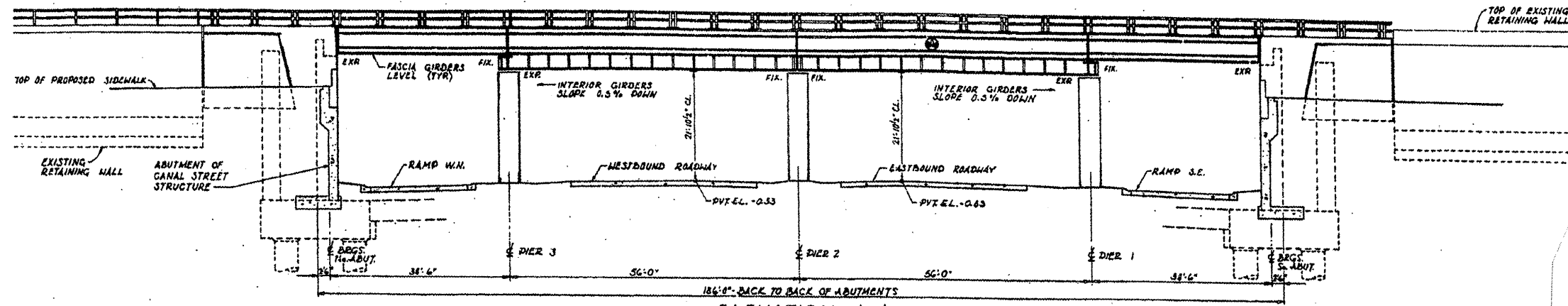
**EXIST. BRIDGE PLANS**

**UP RR OVER I-55**

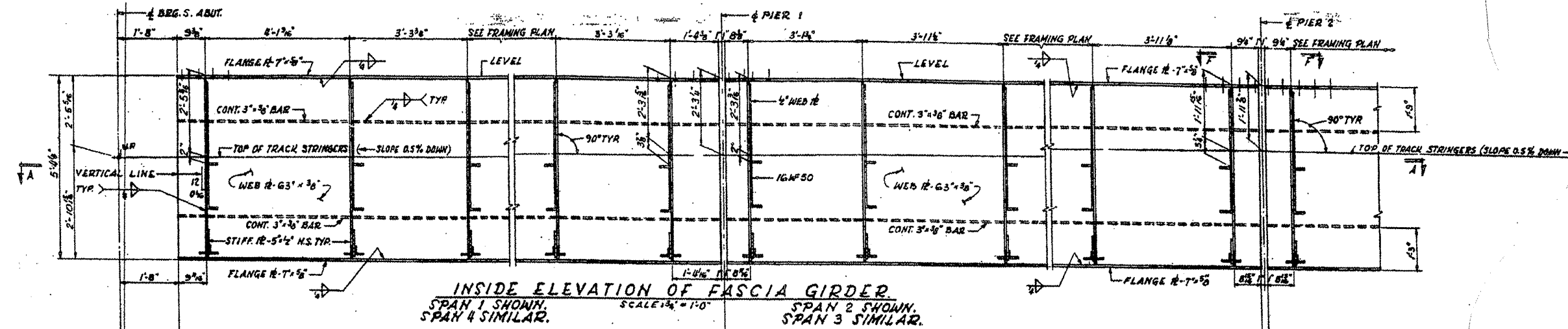
**SN 016-1137**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	19

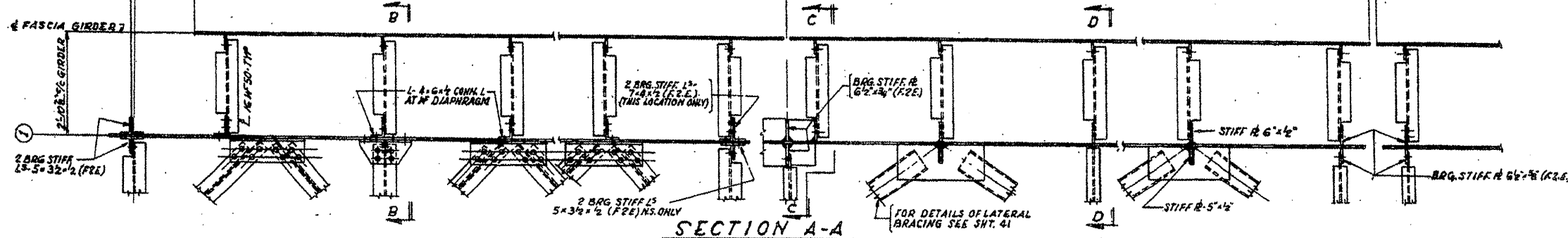
CONTRACT NO. 60G14



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



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

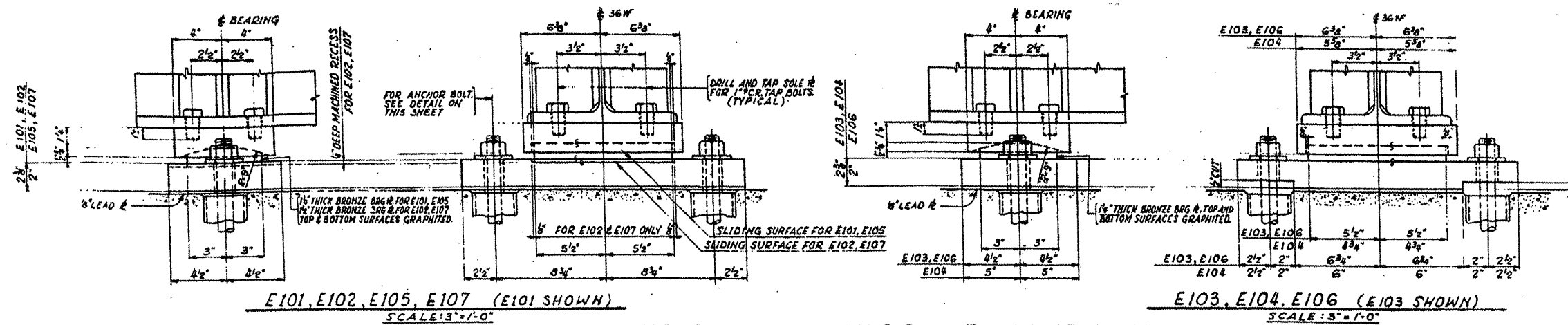


SECTION A-A

**LOCATION NO. 2**  
**EXIST. BRIDGE PLANS**  
**UP RR OVER I-55**  
**SN 016-1137**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	20

CONTRACT NO. 60G14



EXPANSION BEARINGS AT ABUTMENTS.

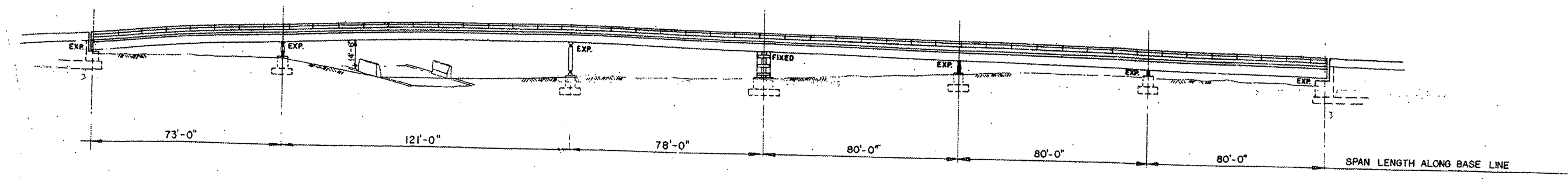
**LOCATION NO. 2**

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

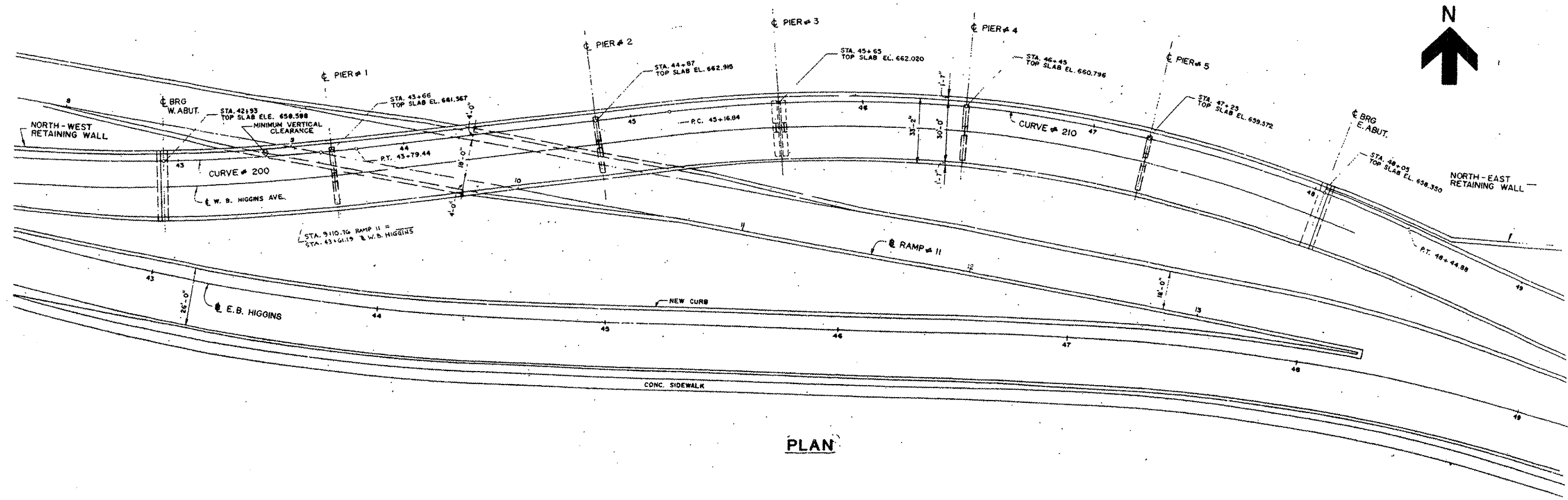


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	Cook	32	21

CONTRACT NO. 60G14



ELEVATION



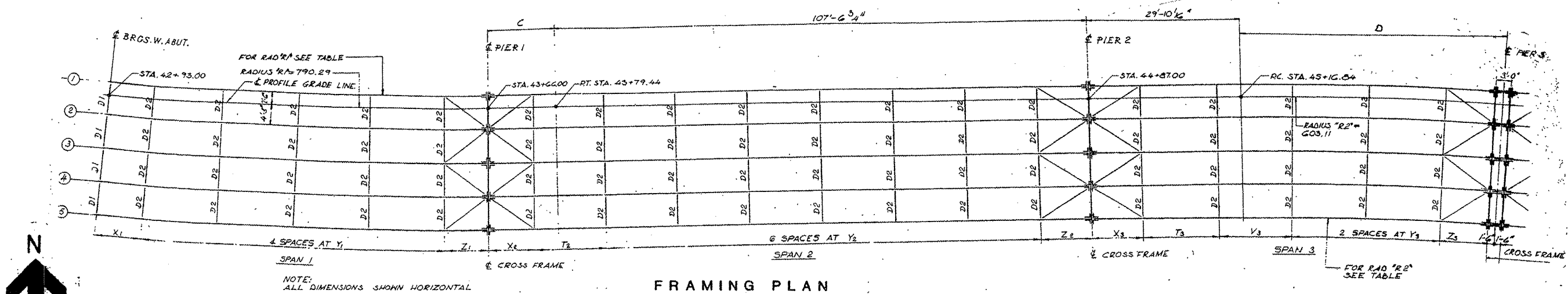
PLAN

**LOCATION NO. 3**

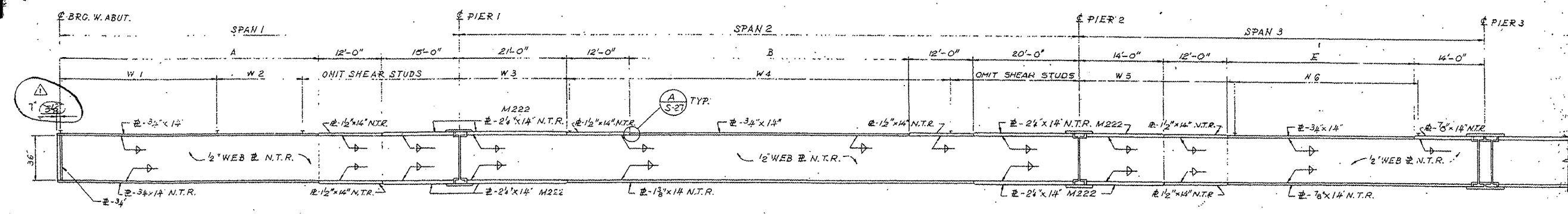
**EXIST. BRIDGE PLANS**  
**IL 72 WB OVER EB I-90 RAMP**  
**TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY COOK	TOTAL SHEETS 32	SHEET NUMBER 22
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CONTRACT NO. 60G14



FRAMING PLAN



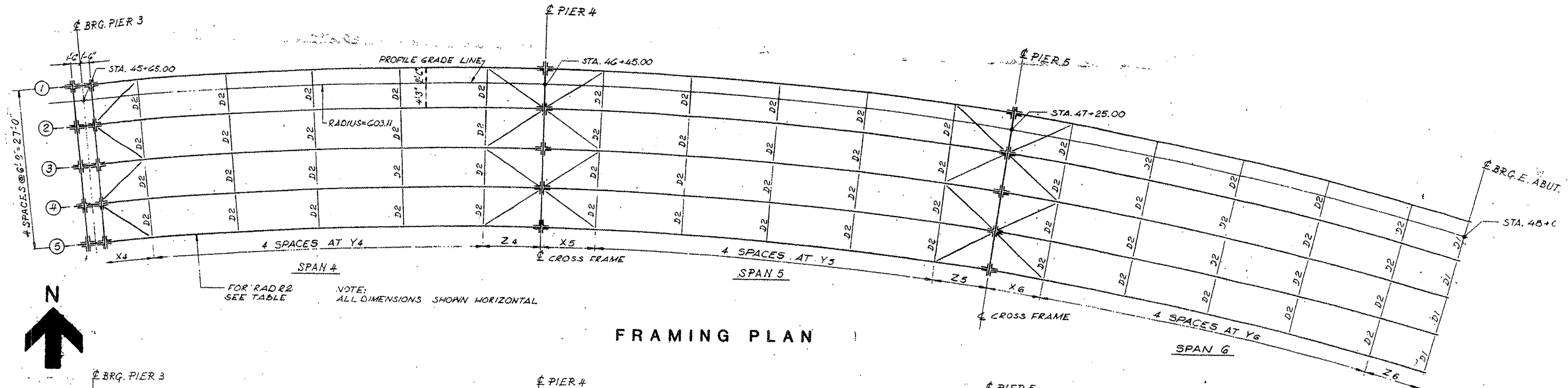
STRINGER ELEVATION  
STRINGER 5 SHOWN

**LOCATION NO. 3**

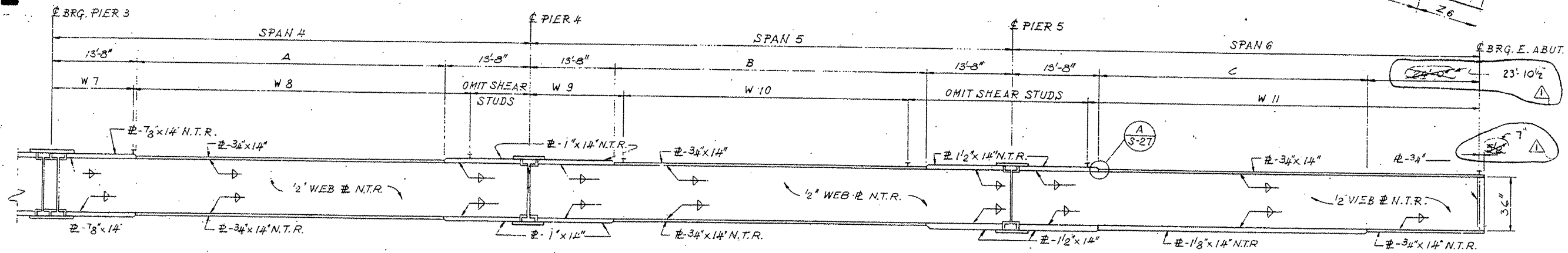
**EXIST. BRIDGE PLANS  
IL 72 WB OVER EB I-90 RAMP  
TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY Cook	TOTAL SHEETS 32	SHEET NUMBER 23
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CONTRACT NO. 60G14



FRAMING PLAN



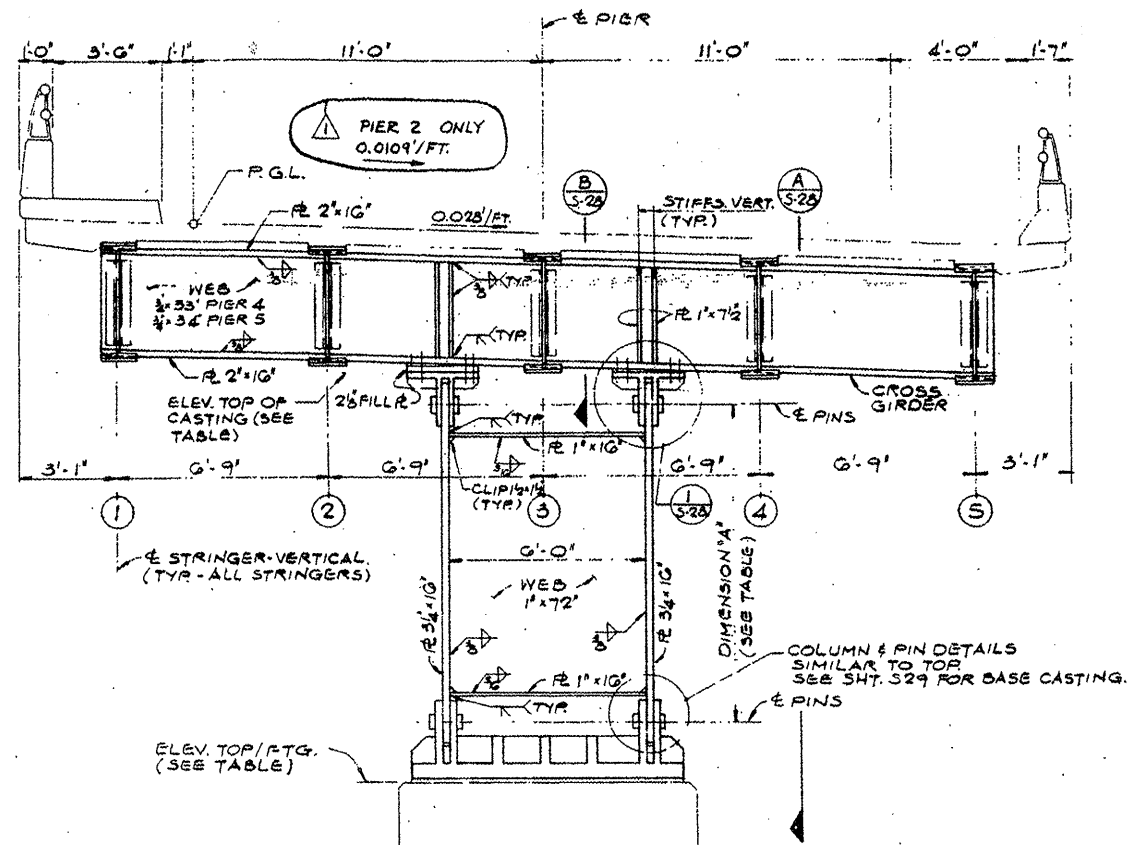
STRINGER ELEVATION  
STRINGER 5 SHOWN

**LOCATION NO. 3**

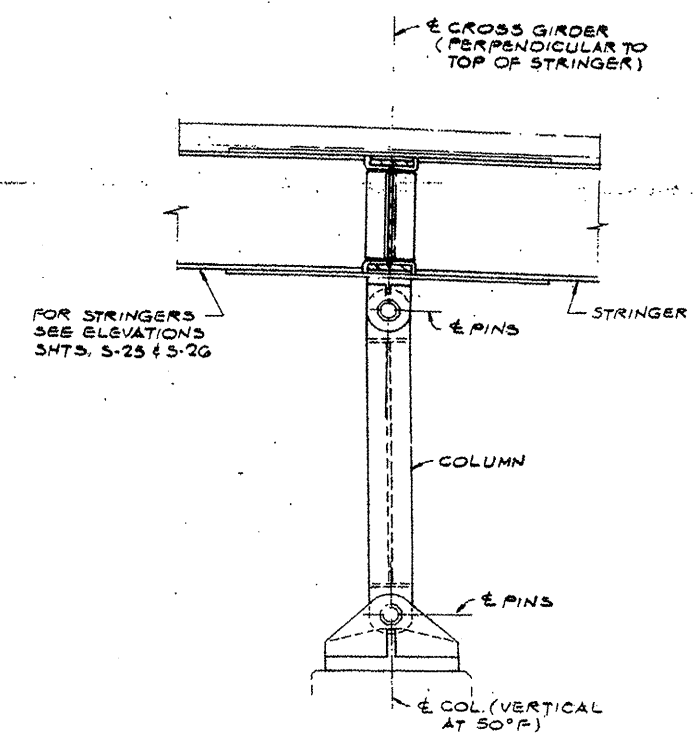
**EXIST. BRIDGE PLANS  
IL 72 WB OVER EB I-90 RAMP  
TO IL 43 SN 016-2519**

ROUTE VARIOUS	SECTION 2009-016 BP	COUNTY Cook	TOTAL SHEETS 32	SHEET NUMBER 24
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CONTRACT NO. 60G14

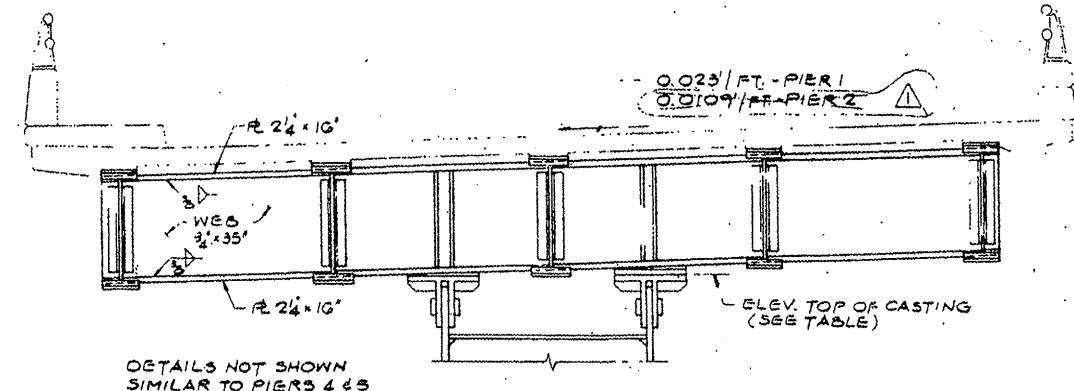


TYPICAL SECTION AT BENTS 4 & 5



A SECTION

	PIER #1	PIER #2	PIER #3	PIER #4
ELEV. TOP OF CASTING	657.194'	656.400'	656.380'	655.010'
ELEV. TOP OF FOOTING	644.150'	644.25'	645.50'	646.80'
E TO E PINS (1A')	10'-2 1/2'	10'-2 1/2'	8'-0 1/2'	5'-4 1/2'



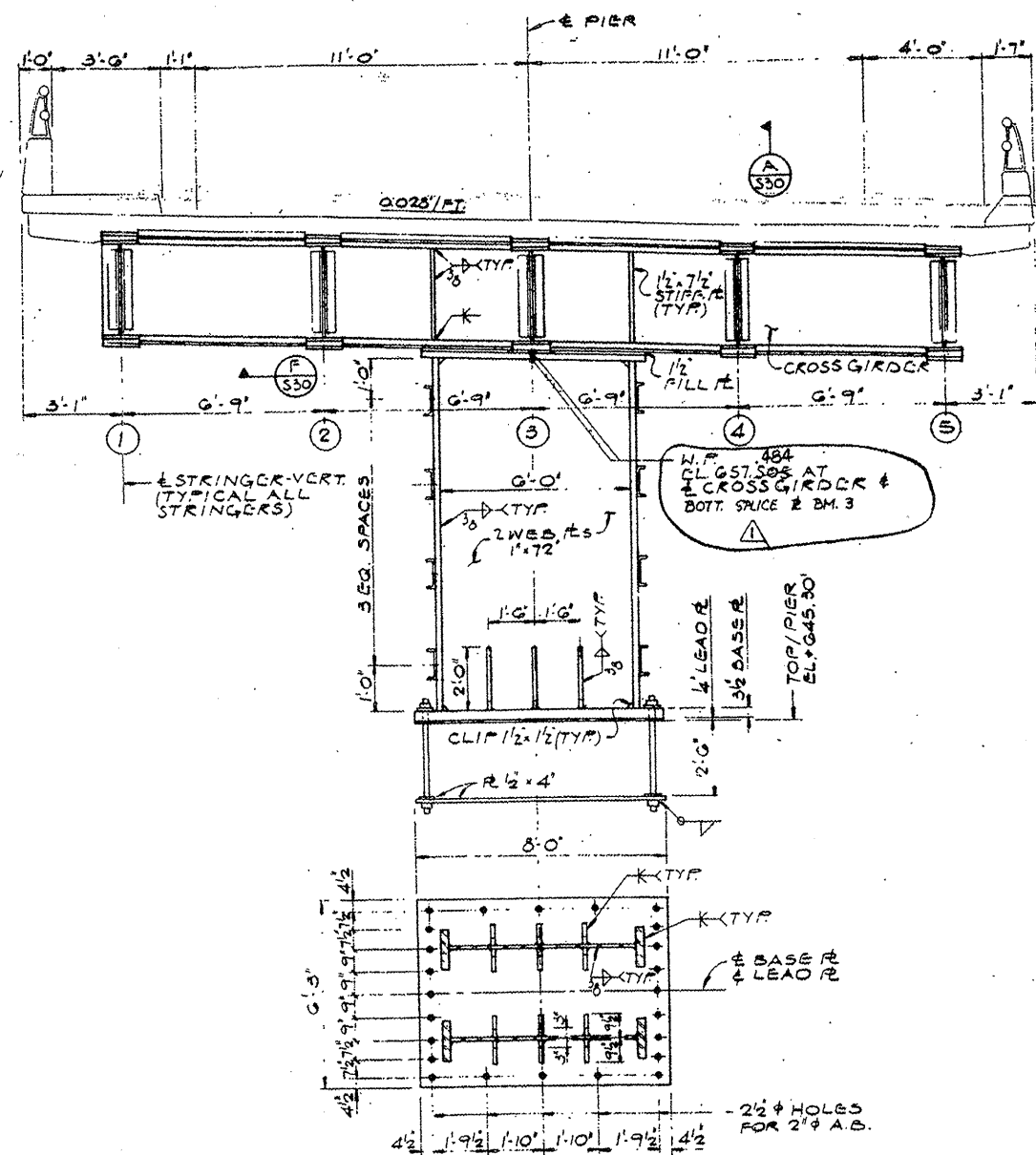
TYPICAL SECTION AT BENTS 1 & 2

**LOCATION NO. 3**

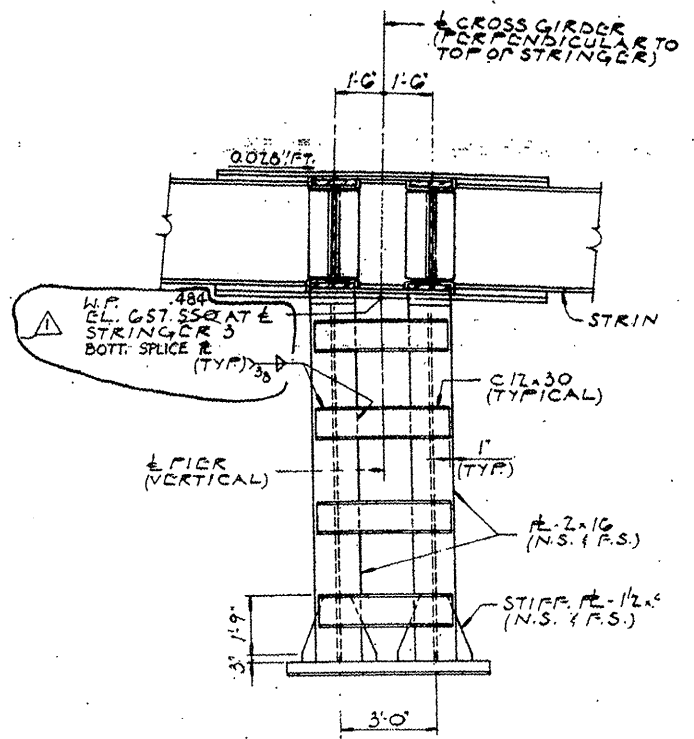
**EXIST. BRIDGE PLANS  
IL 72 WB OVER EB I-90 RAMP  
TO IL 43 SN 016-2519**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	25

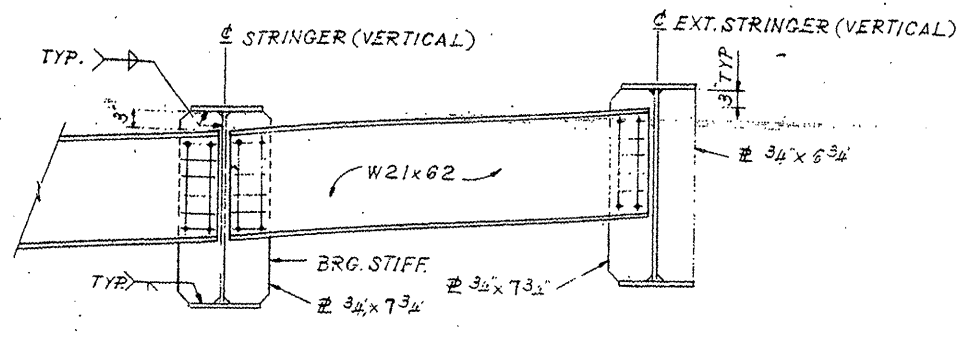
CONTRACT NO. 60G14



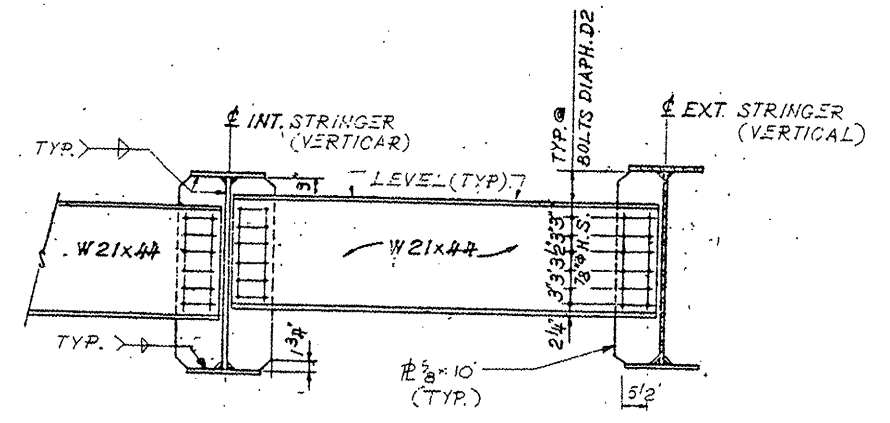
SECTION AT PIER #3



ELEVATION AT PIER #3



DIAPHRAGM D1



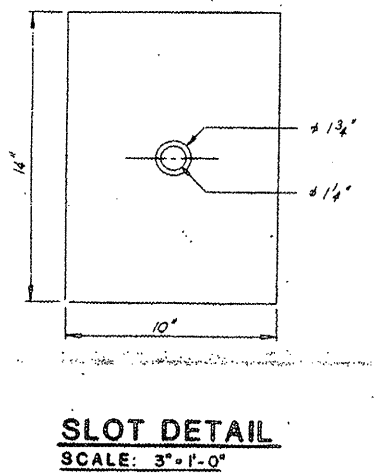
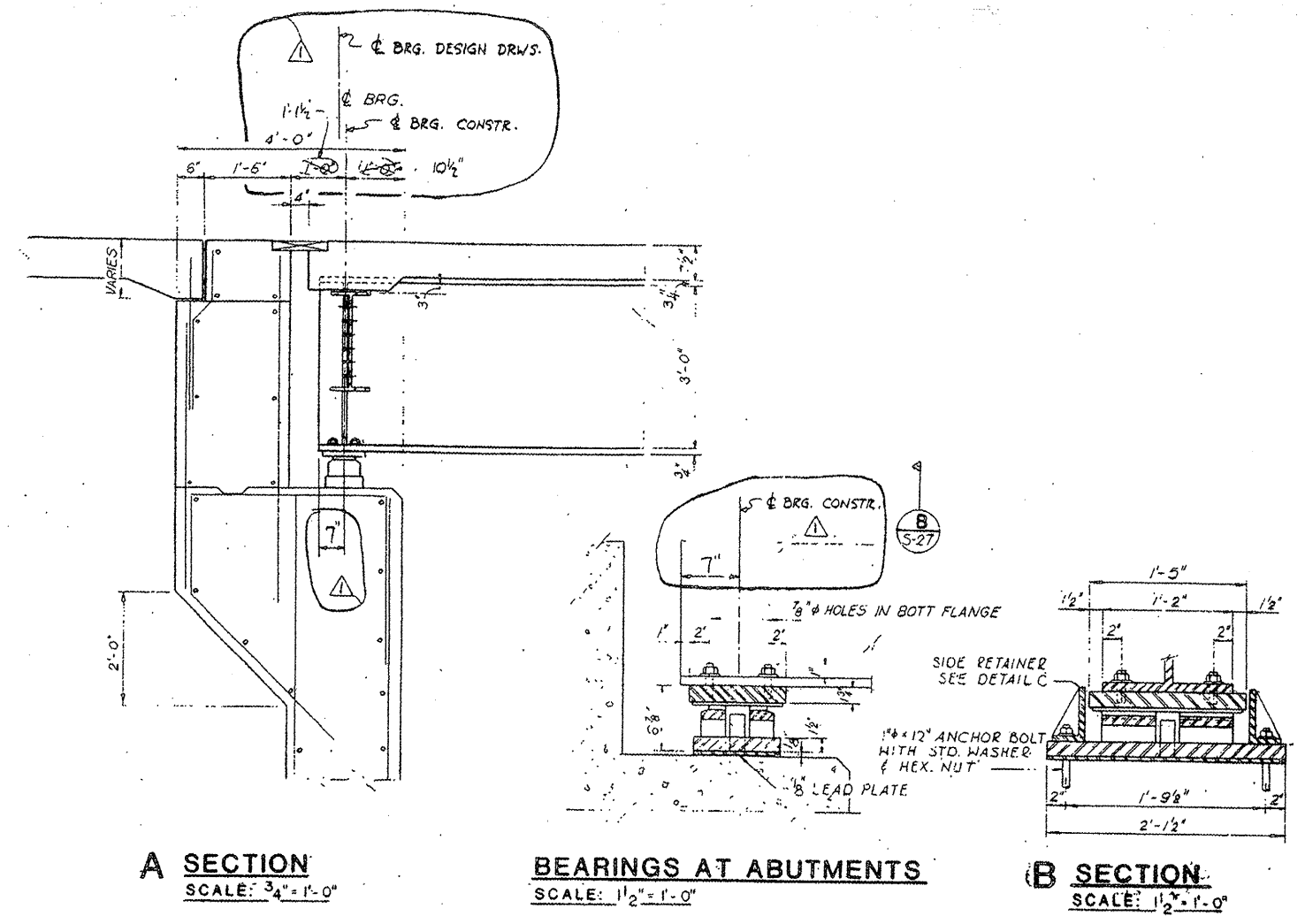
DIAPHRAGM D2

**LOCATION NO. 3**

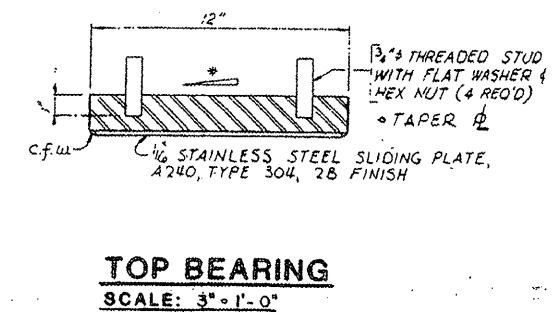
**EXIST. BRIDGE PLANS  
IL 72 WB OVER EB I-90 RAMP  
TO IL 43 SN 016-2519**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-016 BP	COOK	32	26

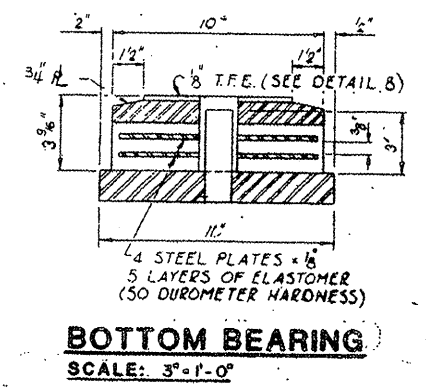
CONTRACT NO. 60G14



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



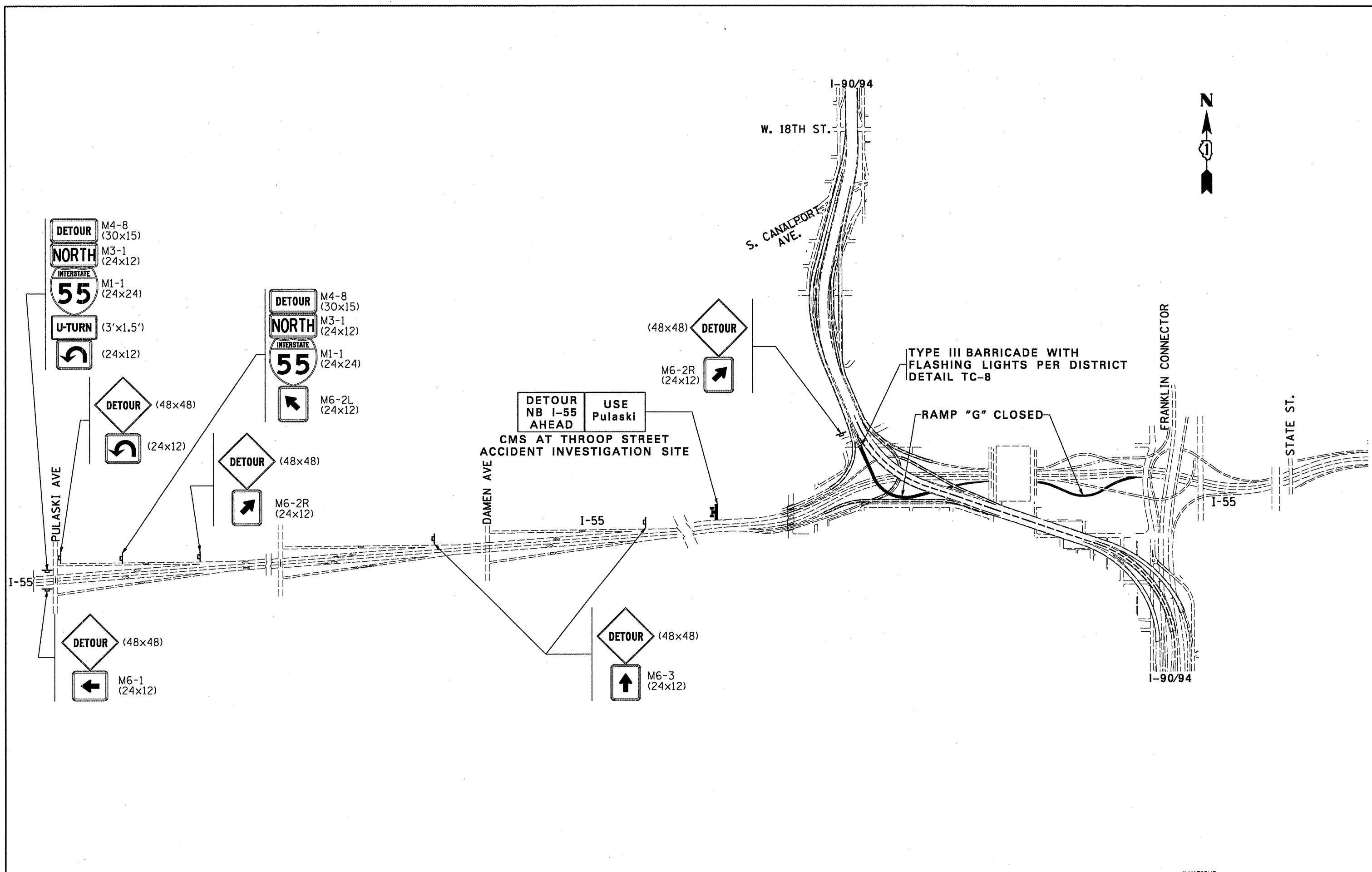
**TOP BEARING**  
SCALE: 3" = 1'-0"



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

**LOCATION NO. 3**

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



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USER NAME = hamdanah  
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 PLOT DATE = 2/13/2009

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

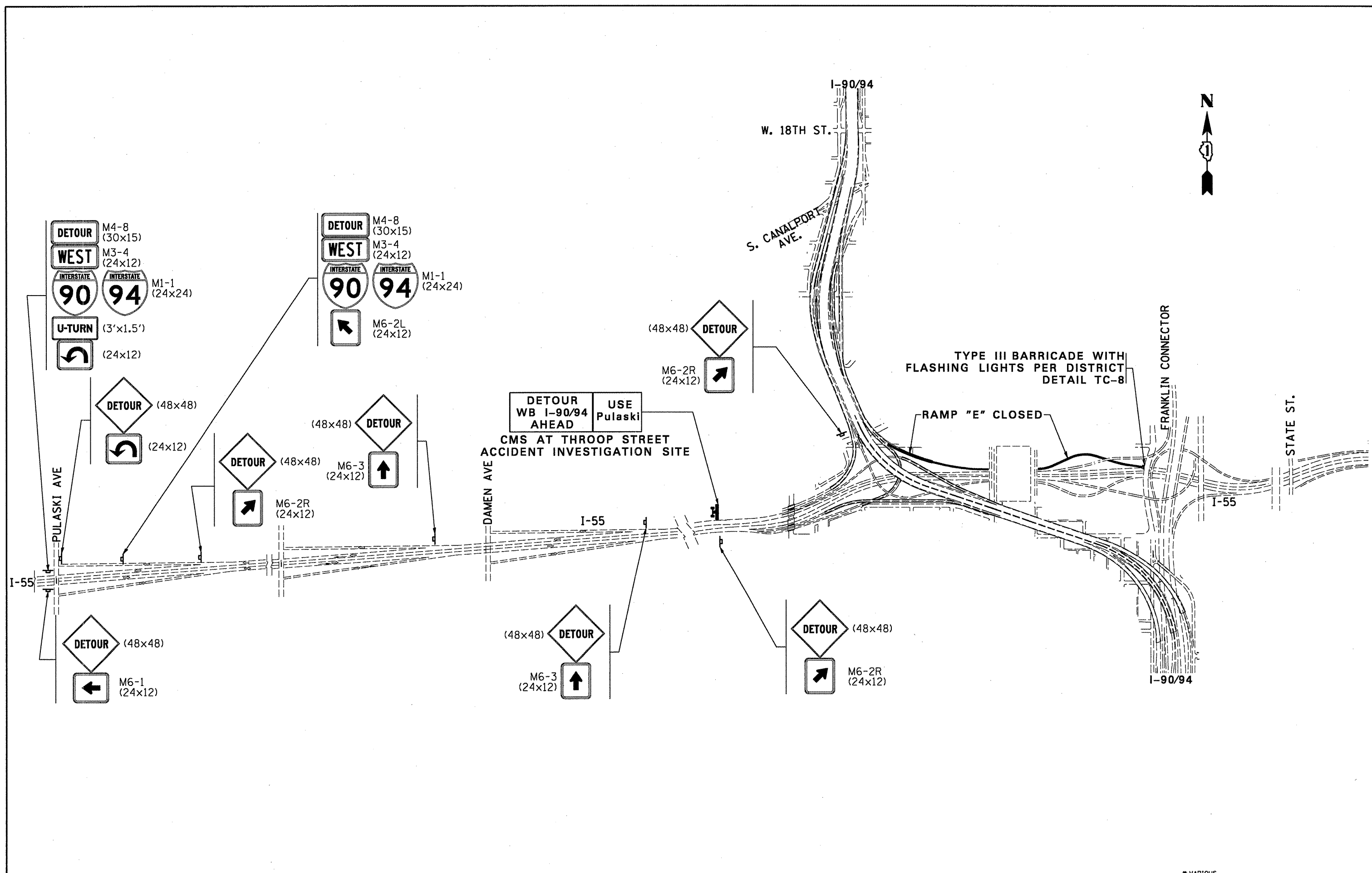
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LOCATION 2: 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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2009-016 BP	COOK	32	27
<b>CONTRACT NO. 60G14</b>				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = hamdenah	DESIGNED -	REVISED -
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PLOT SCALE = 1/288.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/13/2009		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

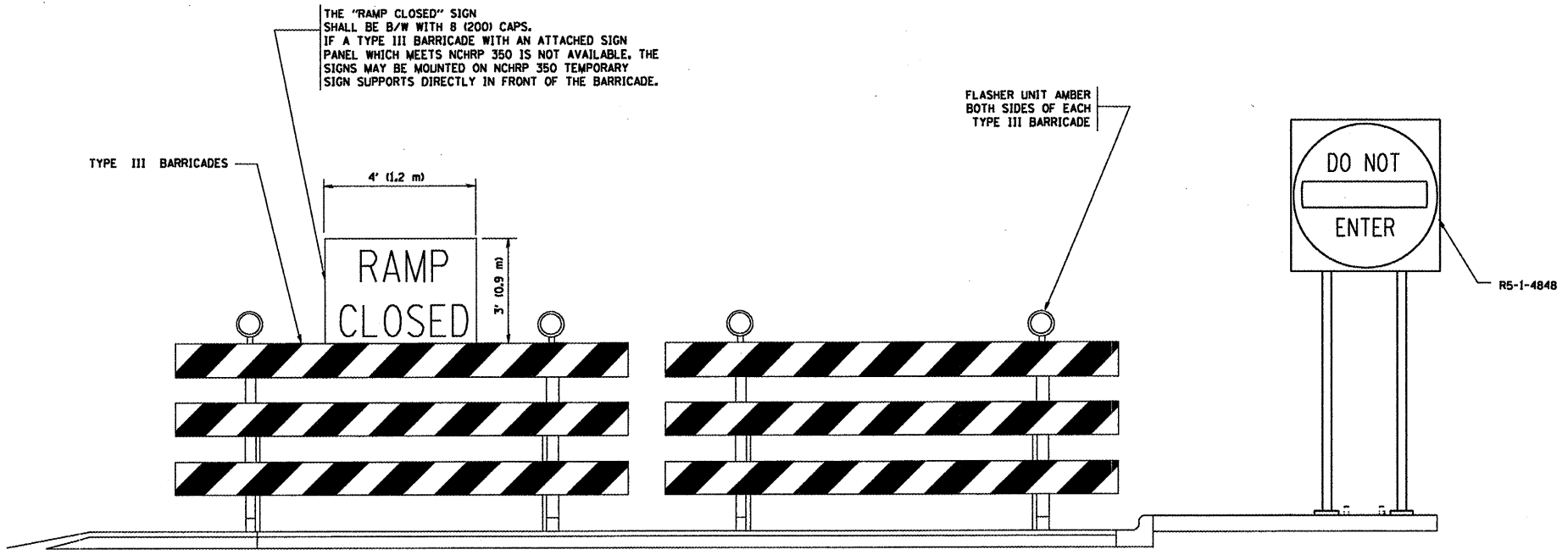
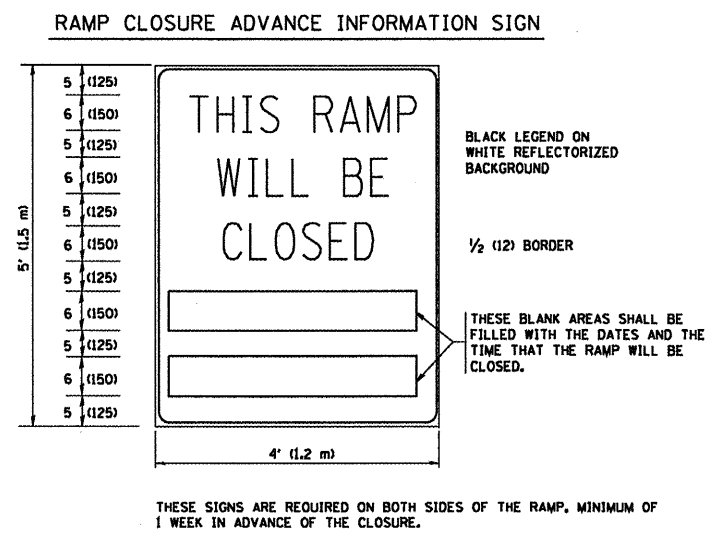
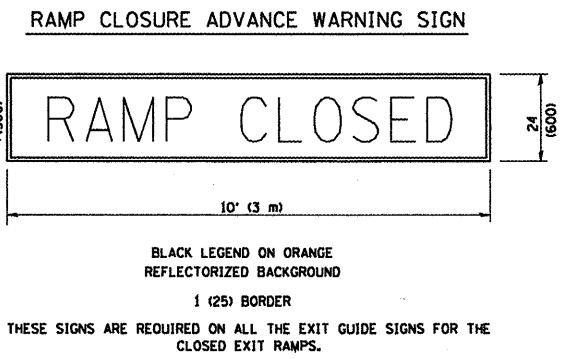
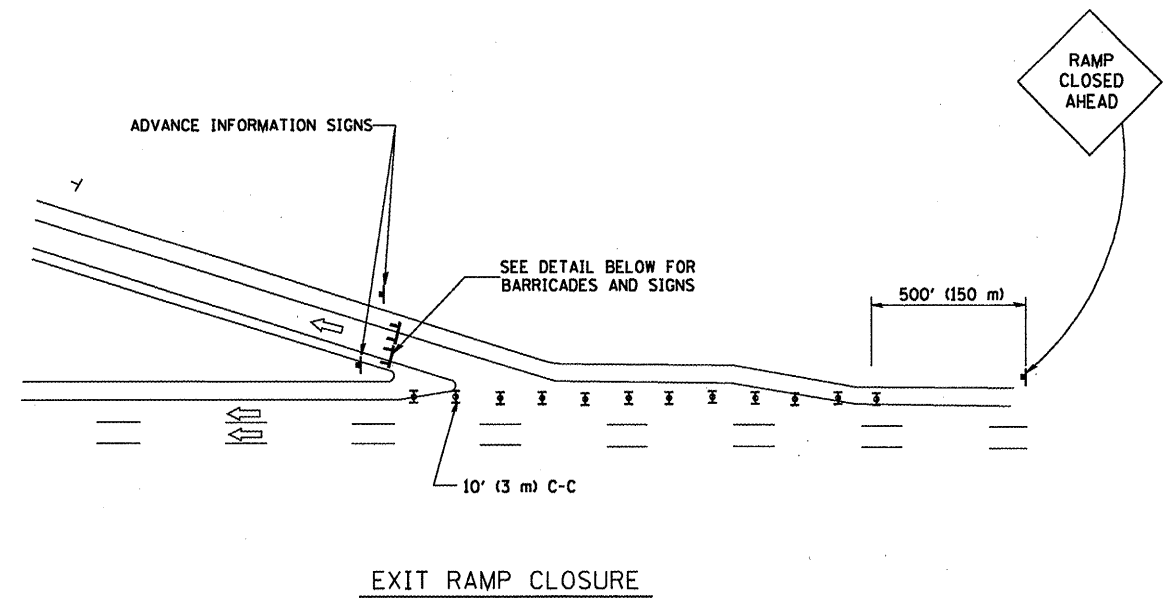
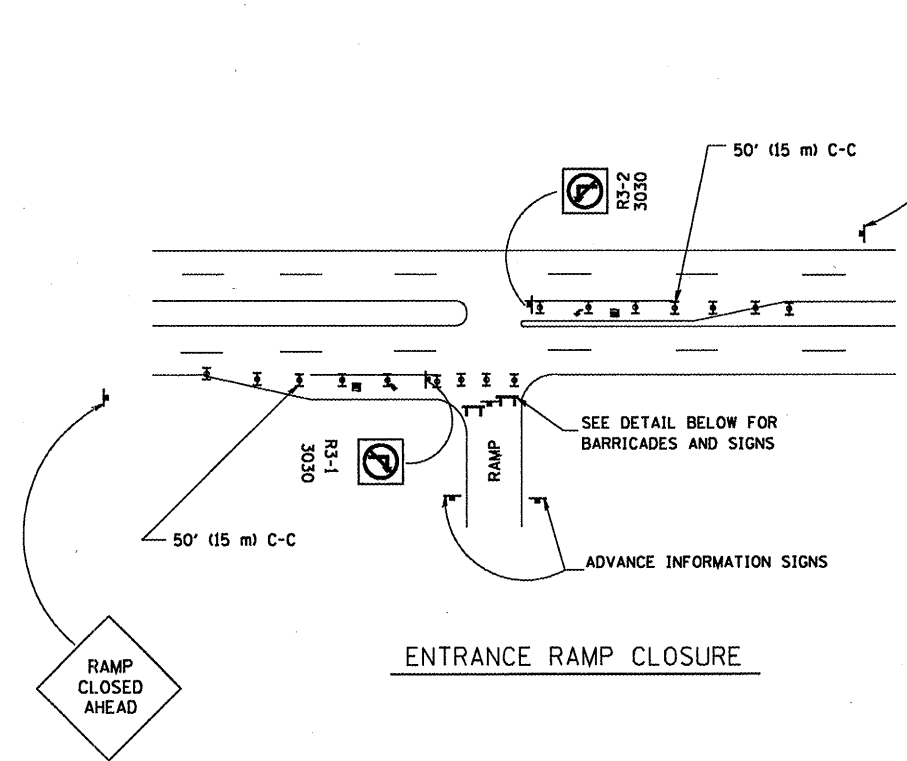
**LOCATION 2: DETOUR FOR RAMP "E" CLOSURE  
I-55 SB TO I-90/94 WB**

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

\* VARIOUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2009-016 BP	COOK	32	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F04	





THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 8 (200) CAPS. 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.

DETAIL FOR REQUIRED BARRICADES & SIGNS

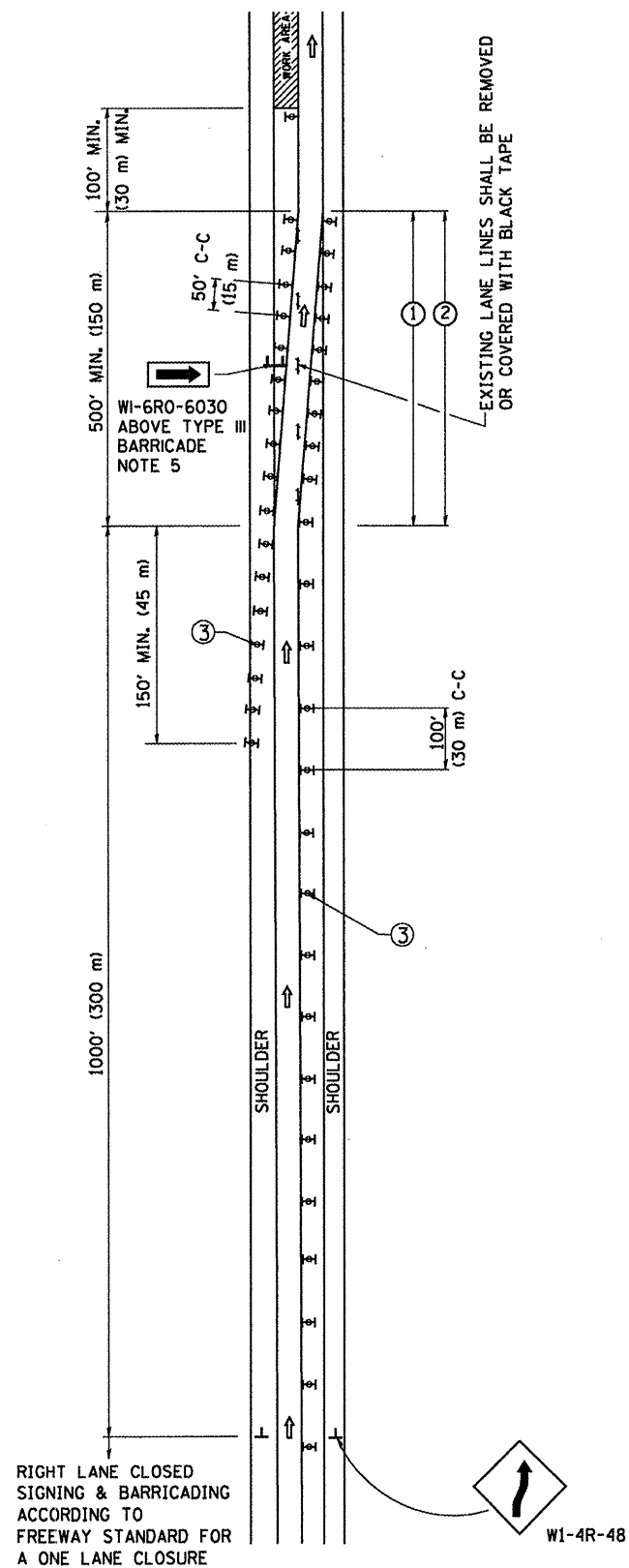
- SYMBOLS**
- ⊞ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
  - ⊞ TYPE III BARRICADE WITH FLASHING LIGHT

- 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.

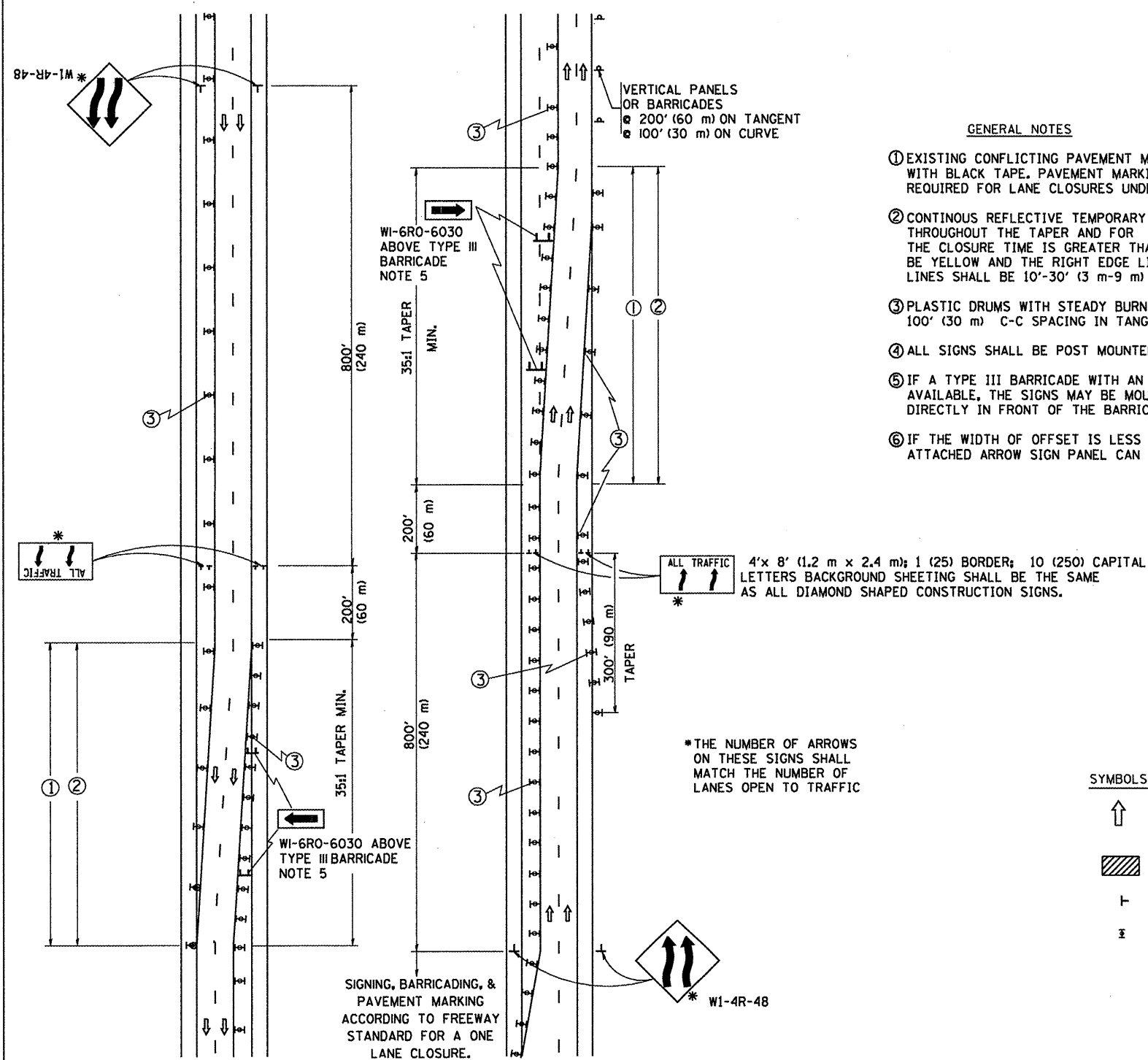
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distatd\22x34\sc08.dgn	USER NAME = geglienobt	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.	
		DRAWN -	REVISED - DWS/JAF 12-02		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	2009-016 BR	COOK	32	29	
		CHECKED -	REVISED - JAF 02-06						TC-08				
		PLOT DATE = 1/4/2008	REVISED - SPB 01-07										
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

- ① 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.
- ② 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.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ 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.
- ⑥ 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

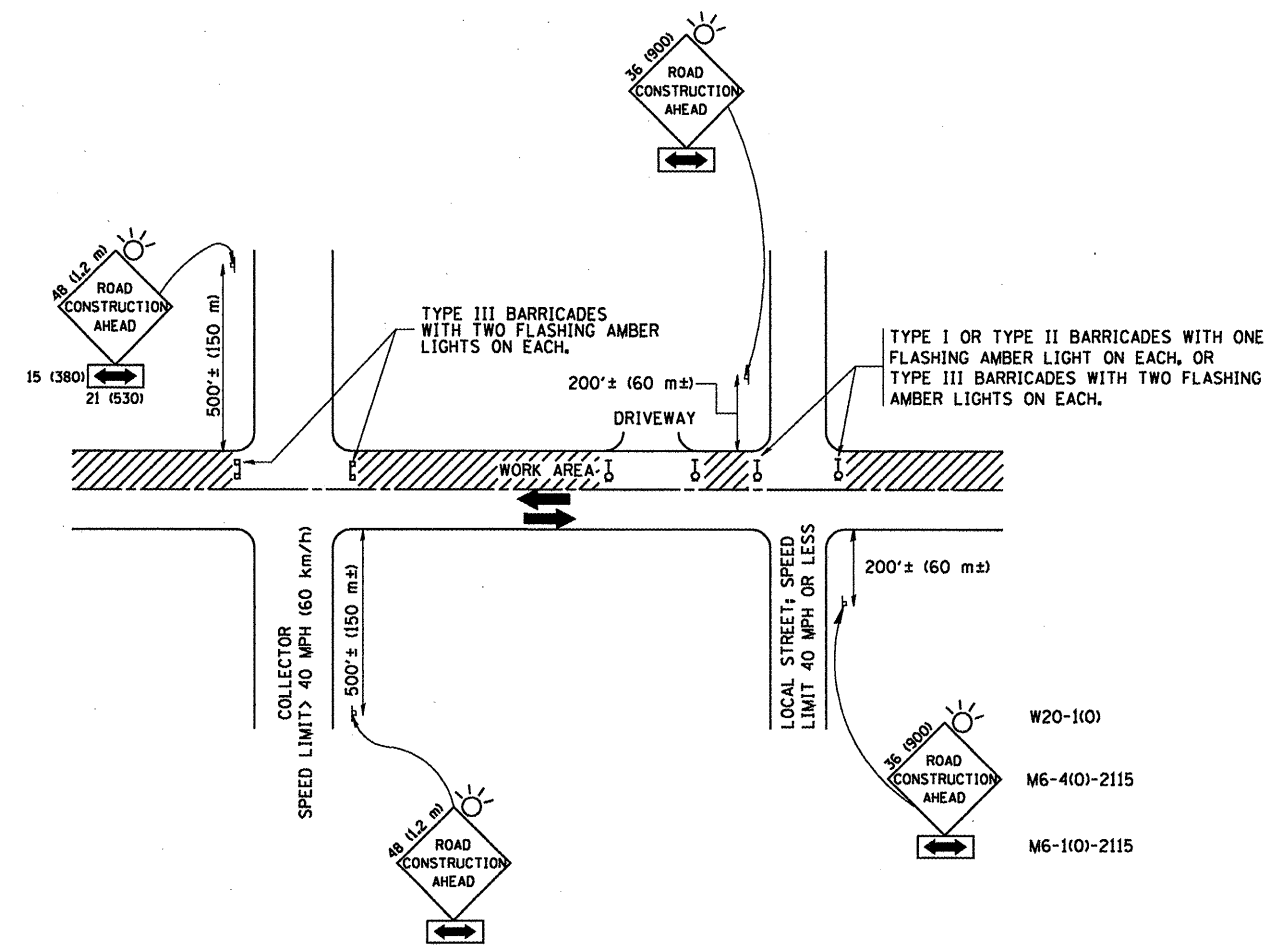
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\diststd\22x34\td09.dgn	USER NAME = geglienobt	DESIGNED - DWS	REVISED - DWS 11-96
		DRAWN -	REVISED - JAF 01-03
		CHECKED -	REVISED - JAF 02-06
		DATE - 02-87	REVISED - SPB 01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2009-016 B0	COOK	30	30
	TC-09			CONTRACT NO.
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

1. 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:

a) 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.

b) 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.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) 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.

b) 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.

3. 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.

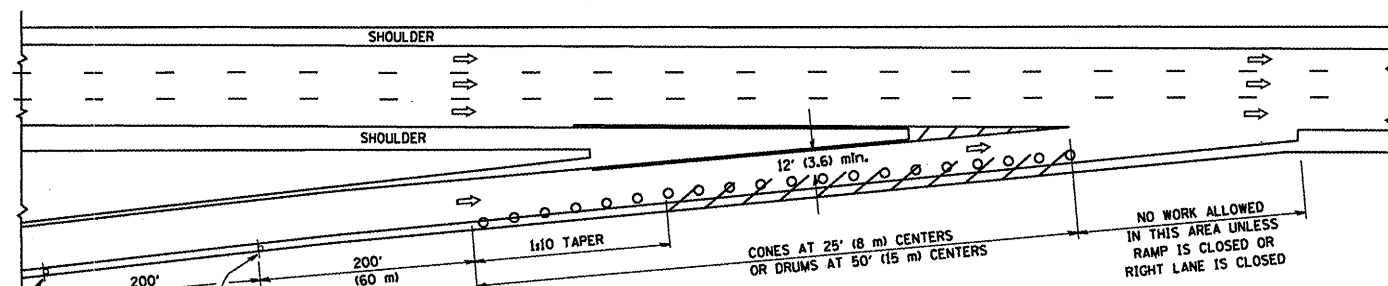
All dimensions are in millimeters (inches) unless otherwise shown.

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		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50,000' / IN.		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 1/4/2008			

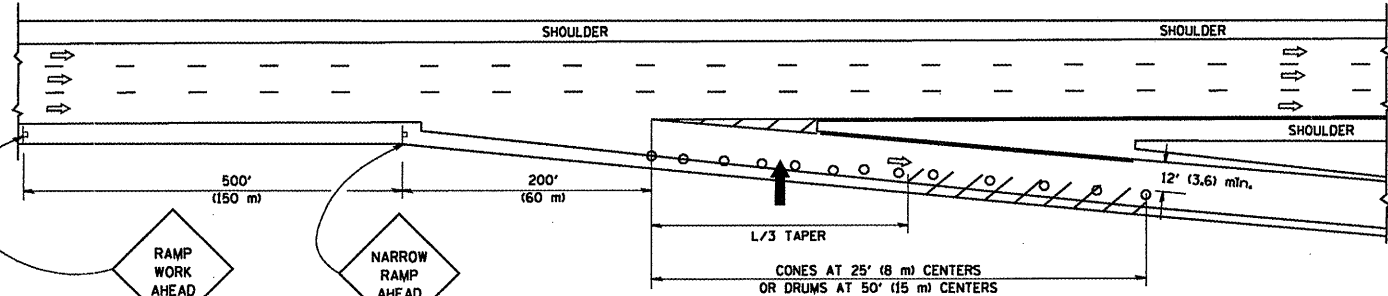
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE			2009-016 BY	COOK	32	31
SHEET NO. 1 OF 1 SHEETS		STA.	CONTRACT NO.			
TO STA.		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

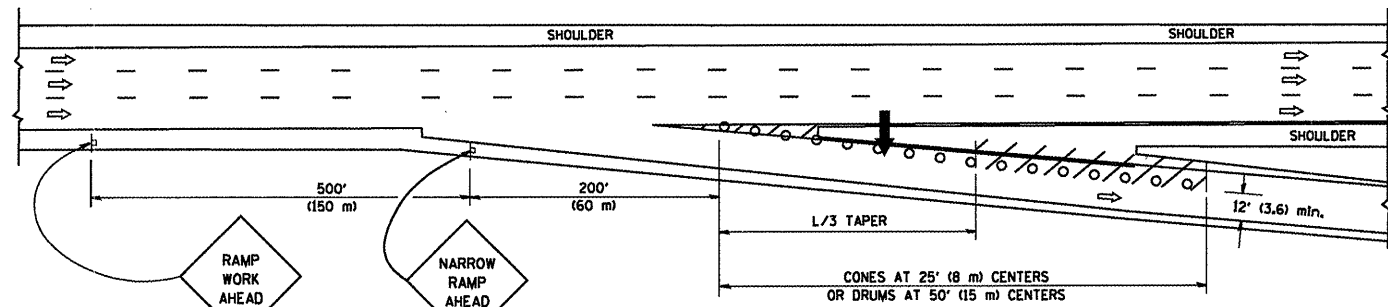
PARTIAL RAMP CLOSURE DETAILS



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

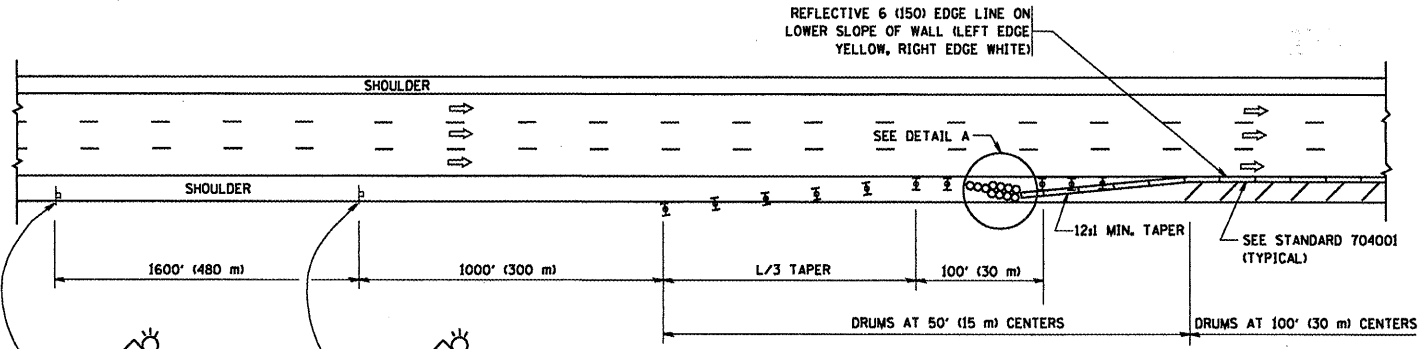
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:
 

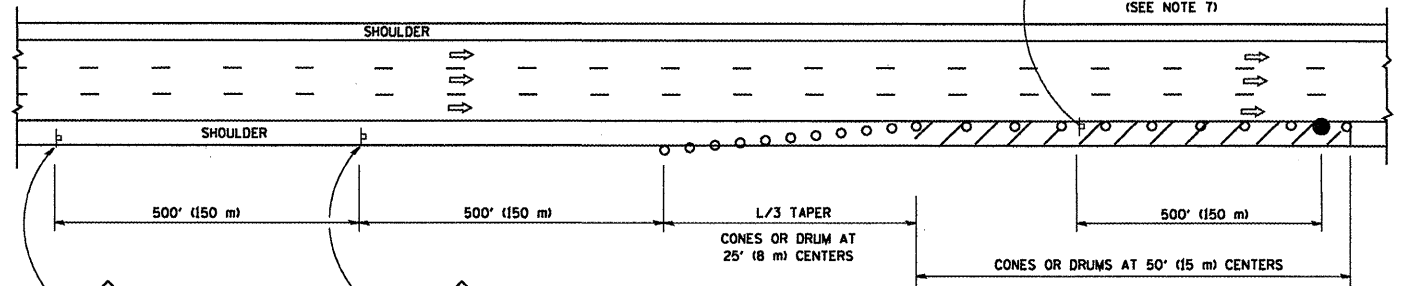
SPEED LIMIT		FORMULAS	
45 mph (80 km/h)	METRIC	$L = 0.65(W)(S)$	ENGLISH
OR GREATER			$L = (W)(S)$

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

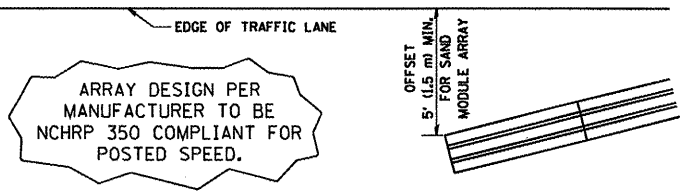


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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



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

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

FILE NAME = W:\distatd\22x34\tcl7.dgn	USER NAME = geglianob	DESIGNED - DRAWN - D.W.S.	REVISED - J.A.F. 12-02 REVISED - 04-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES</b>	F.A. RTE. SECTION 2009-016 BR	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 32	
PLOT SCALE = 50.0000' / 1" IN.	CHECKED -	REVISED - J.A.F. 12-06	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT
PLOT DATE = 1/4/2008	DATE = 11-96				CONTRACT NO.					