

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

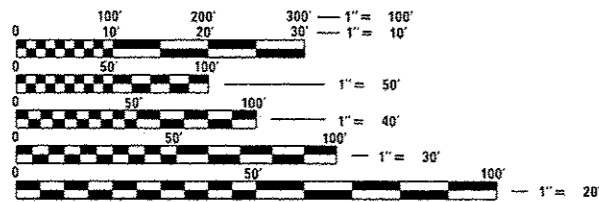
**PROPOSED  
HIGHWAY PLANS**

FAU ROUTE 5571 (AVENUE "G")  
SECTION (B&B-1)P  
TYPE OF IMPROVEMENT: BRIDGE PAINTING  
SN 098-0051 OVER THE NORTH BRANCH OF THE ROCK RIVER  
SN 098-0052 OVER THE SOUTH BRANCH OF THE ROCK RIVER  
WHITESIDE COUNTY

C-92-074-15

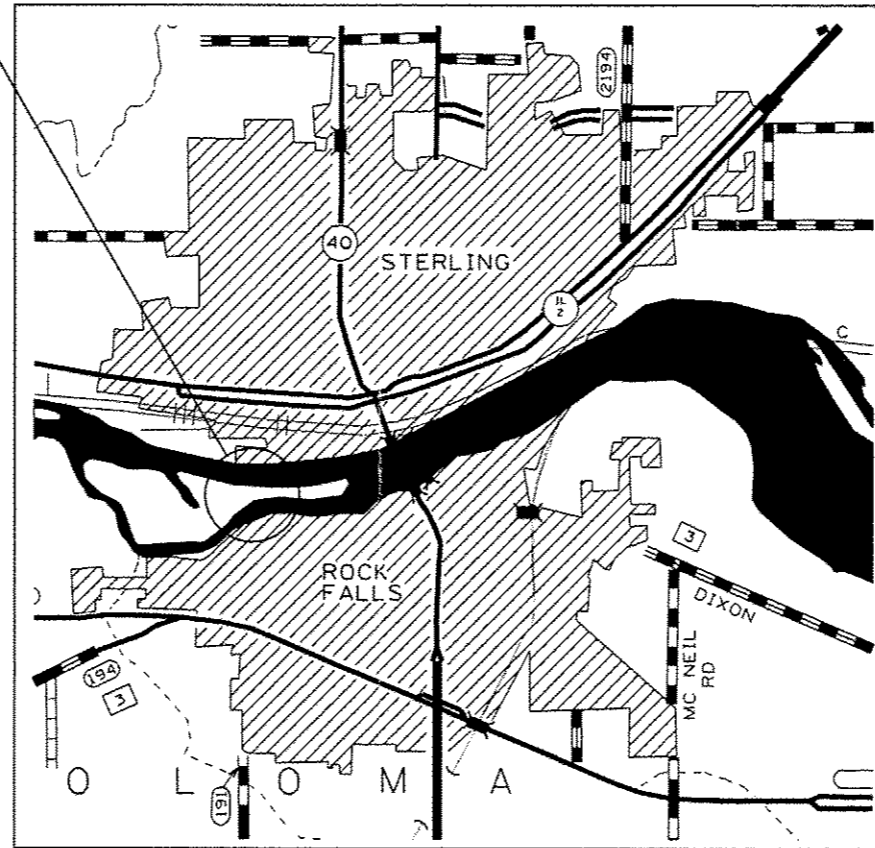
SN 098-0051  
SN 098-0052

STERLING COLOMA TOWNSHIP, SECTIONS 21,28



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

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



GROSS LENGTH = x.xx FT. = x.xxx MILE  
NET LENGTH = x.xx FT. = x.xxx MILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	D2 BRIDGE REPAIR 2014-2	WHITESIDE	24	1
ILLINOIS CONTRACT NO. 64K83				

\*24+2 = 26 TOTAL SHEETS

D-92-036-15



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *[Signature]* 12/4/15  
Deputy Director of Highways, Region Engineer

*[Signature]* 12/4/15  
Engineer of Design and Environment

*[Signature]* 12/4/15  
Director of Highways, Chief Engineer

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

PROJECT ENGINEER: DAVID DOSS (815) 284-5416  
PROJECT MANAGER: MAHMOUD ETEMADI (815) 284-5393  
CONTRACT NO. 64K83

# INDEX OF SHEETS

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10-13	TRAFFIC CONTROL FOR TRANSITION AREAS (DIST STD 38.1)
14-24B	EXISTING PLAN SHEETS FOR SN 098-0051 & 098-0052

# STATE STANDARDS

701006 - 05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301 - 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311 - 03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701606 - 10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701 - 09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801 - 05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901 - 04	TRAFFIC CONTROL DEVICES
720011 - 01	SIGN PANEL MOUNTING DETAILS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

# GENERAL NOTES

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Electric:  
COMMONWEALTH EDISON COMPANY  
ATTN: NORA FERNANDEZ  
123 ENERGY AVENUE  
ROCKFORD, IL 61109

CITY OF ROCK FALLS  
ATTN: DICK SIMON  
1109 INDUSTRIAL PATK ROAD  
ROCK FALLS, IL 61071

Telephone:  
AT&T  
ATTN: DAVID CREEN  
2800 7TH STREET  
MOLINE, IL 61265

US SPRINT  
ATTN: JAMES BURTON  
5600 N RIVER ROAD/  
ROSEMONT, IL 60018

Water:  
IL AMERICAN WATER COMPANY  
304 SECOND AVENUE  
STERLING, IL 61081

CITY OF ROCK FALLS  
ATTN: TED PADILLA  
603 WEST 10TH STREET  
ROCK FALLS, IL 610071

Sewer:  
CITY OF ROCK FALLS  
ATTN: EDWARD COX  
603 WEST 10TH STREET  
ROCK FALLS, IL 61071

CITY OF STERLING  
ATTN: SCOTT SHUMARD  
212 3RD AVENUE  
STERLING, IL 61081

Gas:  
NICOR GAS CO.  
ATTN: CONSTANCE LANE  
1844 FERRY ROAD  
NAPERVILLE, IL 60563

CATV:  
COMCAST CABLE  
ATTN: MICHAEL OWENS  
4450 KISHWAUKEE STREET  
ROCKFORD, IL 61109

Communications:  
G4S TECHNOLOGY, LLC  
1428 SHERMAN ROAD  
ROMEDEVILLE, IL 60446

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

NO STREAM PERMITS HAVE BEEN PROCURED FOR THIS PROJECT. NONE ARE REQUIRED FROM THE REGULATORY AGENCIES AS LONG AS THERE IS NO DEBRIS FALLING OR BEING PLACED INTO THE STREAM. ANY TEMPORARY FILL IN THE STREAM OR THE COMPROMISING OF THE DIKE (IF APPLICABLE) WILL NOT BE ALLOWED. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE/MODIFIED CONSTRUCTION METHOD(S) FROM THE AFOREMENTIONED, THEY WILL BE RESPONSIBLE FOR OBTAINING THE PROPER PERMITS. NO RELIEF OR COMPENSATION WILL BE GIVEN FOR ANY DELAYS, WORKING DAYS CHARGED OR CALENDAR DAYS EXPIRED AS A RESULT OF THE LOSS OF TIME OR DELAY DURING THE RE-SUBMITTAL PROCESS TO PROCURE THE NECESSARY PERMIT(S) DUE TO THE CONTRACTOR CHOOSING ALTERNATE/MODIFIED CONSTRUCTION METHOD(S). ABSOLUTELY NO CONSTRUCTION ACTIVITIES WILL TAKE PLACE WITHOUT THE PROPER PERMITS BEING SECURED.

A MINIMUM OF 2 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS, SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A SHALL BE USED. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR CLEANING AND PAINTING STEEL BRIDGE NO. 1.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF CLEANING AND PAINTING STEEL BRIDGE NO. 1.

MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE CLEANING AND PAINTING STEEL BRIDGE NO. 1.

THE SSPC QP1 & QP2 CONTRACT CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

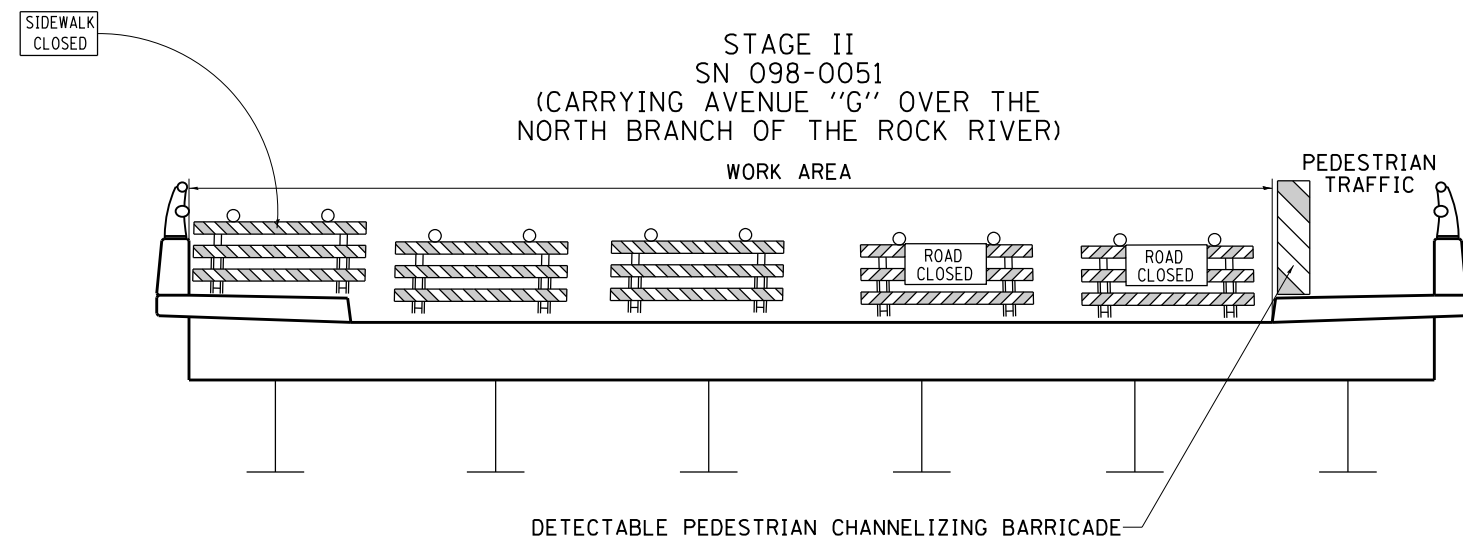
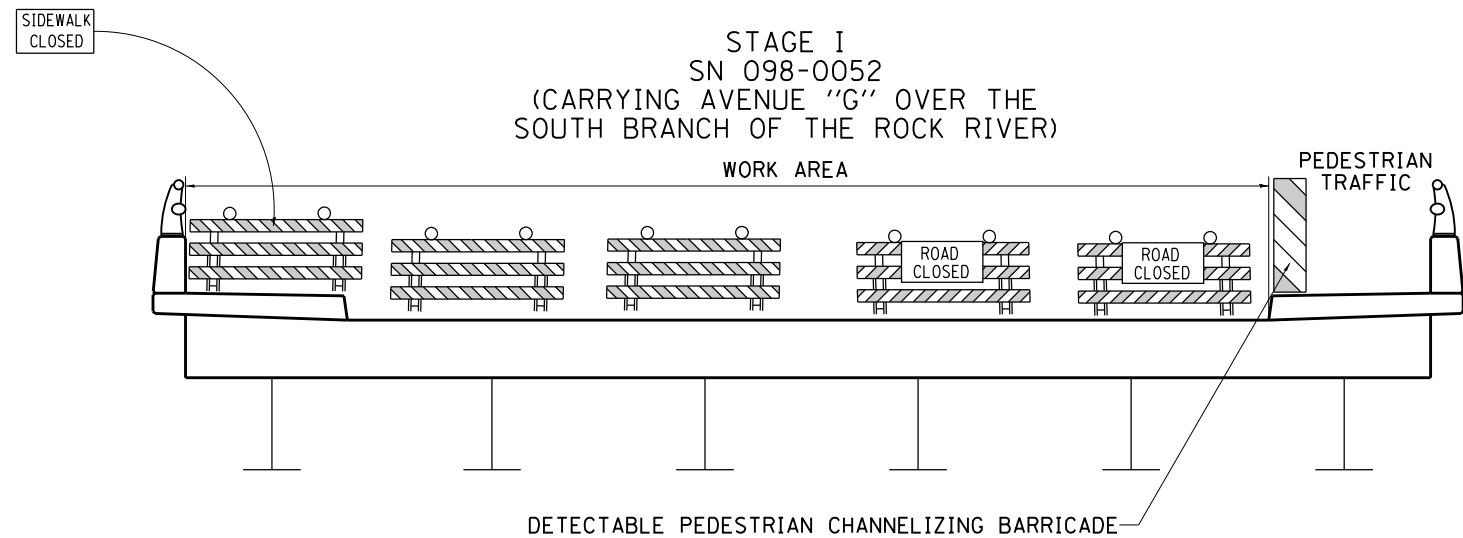
FILE NAME: D:\BAY\Draws\Whiteside\64K83 Partial Cleaning & Painting SH 898-0851 & 0852-CA00\0207 DB\W\hoover\dgn	USER NAME: dwardd	DESIGNED: _____	REVISED: _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES					F.A.U. RTE. 5571	SECTION I&B-11P	COUNTY WHITESIDE	TOTAL SHEETS 24	SHEET NO. 3
PLOT SCALE: 1/8" = 100.0000' / 1" = 1000.0000'	CHECKED: _____	REVISED: _____	REVISED: _____		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 64K83			
PLOT DATE: Aug-13-2015 11:12:44 AM	DATE: _____	REVISED: _____	REVISED: _____		ILLINOIS FED. AID PROJECT									

# SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	100% STATE	100% STATE
			TOTAL QUANTITY <i>URBAN</i>	WHITESIDE COUNTY <i>URBAN</i>
67100100	MOBILIZATION	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3	3
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1



# MAINTENANCE OF TRAFFIC CONTROL DETAILS



## GENERAL NOTES FOR TRAFFIC CONTROL

THE CONTRACTOR SHALL NOT MOUNT CONSTRUCTION TRAFFIC CONTROL SIGNS ON EXISTING SIGNS OR SUPPORTS.

## NARRATIVE FOR TRAFFIC CONTROL STAGES

TWO WEEKS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PLACE CHANGEABLE MESSAGE BOARDS BEYOND THE NORTHERN AND SOUTHERN LIMITS OF THE PROJECT. MESSAGE DISPLAYED ON MESSAGE BOARDS SHALL BE APPROVED BY THE ENGINEER.

**FULL BRIDGE CLOSURE**  
35 WORKING DAYS OF FULL BRIDGE CLOSURE FOR PARTIAL CLEANING AND PAINTING OF STRUCTURAL STEEL. SN 098-0052 (CARRYING AVENUE "G" OVER THE SOUTH BRANCH OF THE ROCK RIVER) IS TO BE CLOSED FIRST. SN 098-0051 (CARRYING AVENUE "G" OVER THE NORTH BRANCH OF THE ROCK RIVER) IS TO BE CLOSED ONCE THE WORK ON SN 098-0052 IS COMPLETED AND READY TO OPEN. ACCESS TO THE PARK IS TO BE MAINTAINED AT ALL TIMES.

**STAGE I**  
MAINTAIN EXISTING PEDESTRIAN TRAFFIC ON SN 098-0052 AVENUE "G" USING EXISTING EAST SIDEWALK.

**STAGE II**  
MAINTAIN EXISTING PEDESTRIAN TRAFFIC ON SN 098-0051 AVENUE "G" USING EXISTING EAST SIDEWALK.

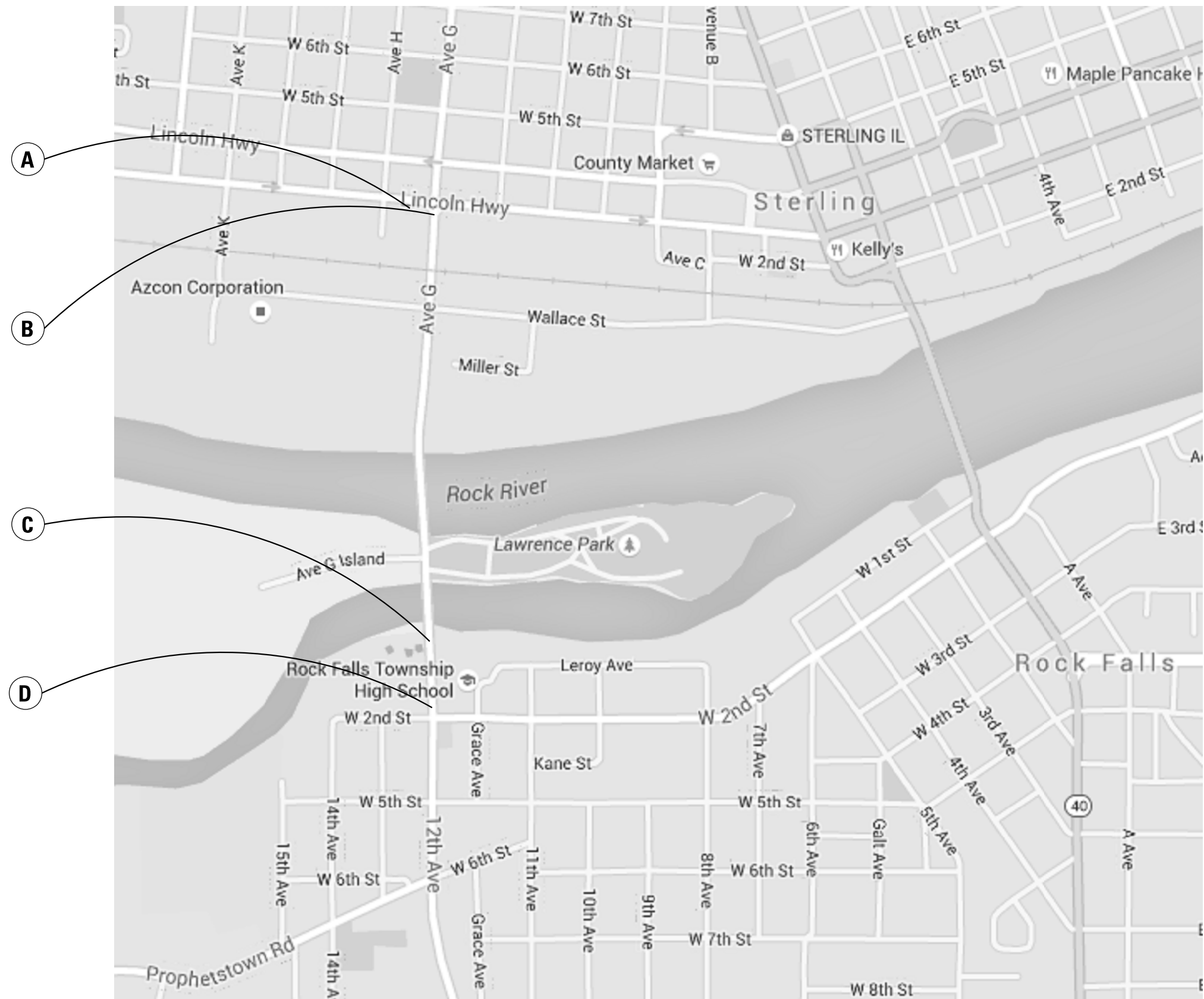
**NOTES:**  
PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

CONTRACTOR SHALL PROVIDE SIGNAGE AND DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES TO FACILITATE AND PROTECT PEDESTRIANS WHEN BRIDGE IS CLOSED TO VEHICULAR TRAFFIC.

THE CONTRACTOR SHALL PROTECT PEDESTRIANS FROM HAZARDS CAUSED BY CONSTRUCTION ACTIVITIES AT ALL TIMES. THIS INCLUDES, BUT IS NOT LIMITED TO, FLYING DEBRIS FROM WORK.

FILE NAME =	USER NAME = dossed	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC CONTROL DETAILS SN 098-0051 &amp; 098-0052</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D:\BR\Draws\Whiteside\64K83 Partial Cleaning & Painting SN 098-0051 & 0052\CADD\0207	DRAWN coverdgn	_____	REVISED - _____			5571	(B&B-1)P	WHITESIDE	24	5	
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - _____	REVISED - _____			CONTRACT NO. 64K83		ILLINOIS FED. AID PROJECT			
	PLOT DATE = Aug-18-2015 07:48:27 AM	DATE - _____	REVISED - _____			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____			

# ROAD CLOSURE PLANS-STAGE I



**A**

**AVE G  
BRIDGE  
CLOSED**

MOUNTED ON A TYPE III BARRICADE ON THE SHOULDER.

**B**

**ROAD CLOSED  
TO  
THRU TRAFFIC**

R11-4

ON EACH STAGGERED TYPE III BARRICADE (2). STAGGER BARRICADES IN THE SOUTHBOUND LANE ONLY.

**C**

**ROAD  
CLOSED**

R11-2

CLOSED AT LAST DRIVEWAY.

**D**

**ROAD CLOSED  
TO  
THRU TRAFFIC**

R11-4

ON EACH STAGGERED TYPE III BARRICADE (2). STAGGER BARRICADES IN THE NORTHBOUND LANE ONLY.

FILE NAME =	USER NAME = dosddd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROAD CLOSURE PLANS STAGE I</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Q:\BR\Draws\Whiteside\64K83 Partial Clearing & Painting SN 098-0051 & 0052\CADD\0207	DRAWN coverdgn	REVISOR	REVISION			5571	(B&B-1P)	WHITESIDE	24	6	
Default	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISOR			CONTRACT NO. 64K83		ILLINOIS FED. AID PROJECT			
	PLOT DATE = Aug-18-2015 07:48:35 AM	DATE - _____	REVISION			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____					

# ROAD CLOSURE PLANS-STAGE II



**E** CLOSE THRU LANE ALONG AVENUE "G" FROM W 4TH ST TO W 3RD ST SIGNING ACCORDING TO TRAFFIC CONTROL FOR TRANSITION AREAS DISTRICT STANDARD 38.1

**F** CLOSE TURN LANE ALONG W 3RD ST PER STANDARD 701701

**G**

**ROAD  
CLOSED**

R11-2  
CLOSED AT LAST DRIVEWAY.

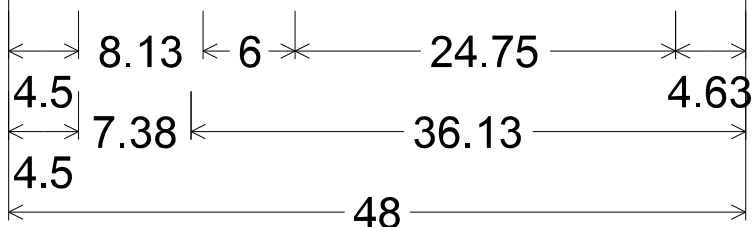
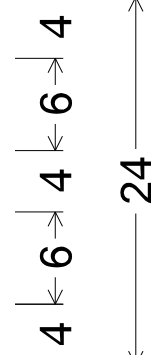
**H**

**ROAD CLOSED  
TO  
THRU TRAFFIC**

R11-4  
ON EACH STAGGERED TYPE III BARRICADE (2). STAGGER BARRICADES IN THE NORTHBOUND LANE ONLY.

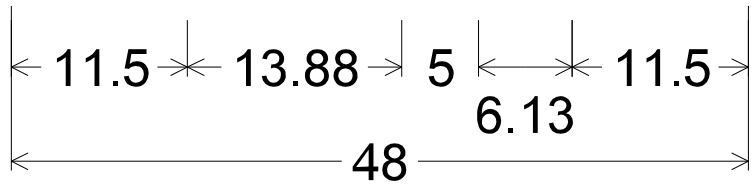
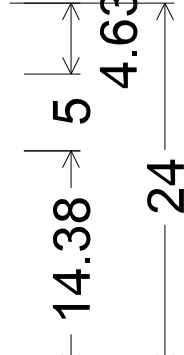
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	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____			CONTRACT NO. 64K83					
	PLOT DATE = Aug-18-2015 07:49:06 AM	DATE - _____	REVISED - _____			ILLINOIS FED. AID PROJECT					

# SIGN DETAILS



2.25" Radius, 1.00" Border, 0.50" Indent, Black on Orange;  
 [NO ACCESS] C 2K;  
 [TO] C 2K;  
 Table of letter and object lefts.

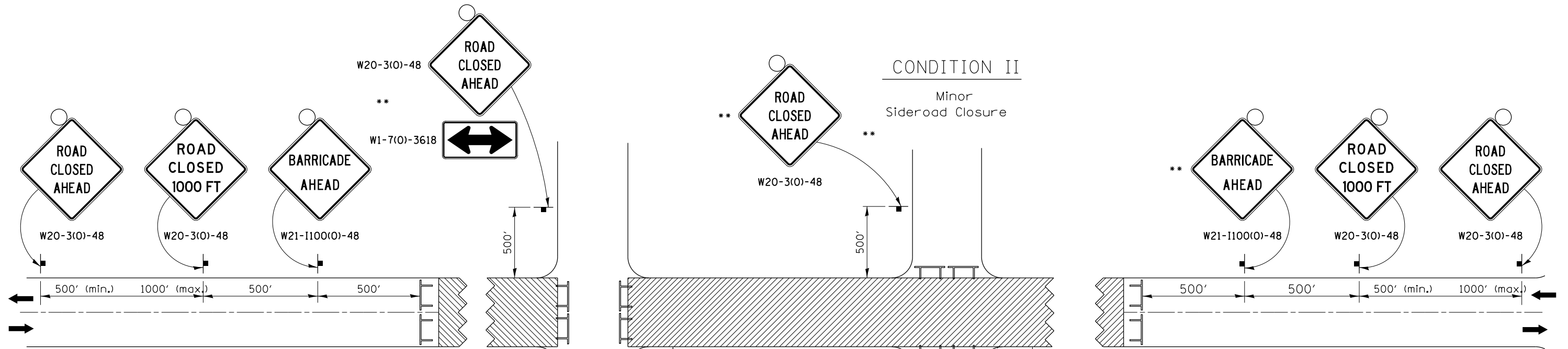
N	O				
4.50	9.13				
A	C	C	E	S	S
18.63	23.25	27.63	32.25	36.00	40.13
T	O				
4.50	8.38				



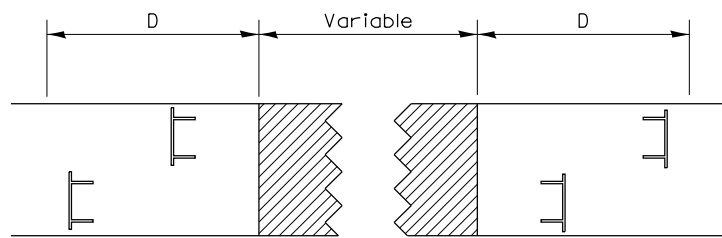
2.25" Radius, 1.00" Border, 0.63" Indent, Black on Orange;  
 [OPEN TO] C 2K;  
 Table of letter and object lefts.

O	P	E	N
11.50	15.38	19.25	22.63
T	O		
30.38	33.63		

# TRAFFIC CONTROL FOR ROAD CLOSURE






ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

## SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

## CONDITION II

Minor Sideroad Closure

## CONDITION I

Major Sideroad Closure

## GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

\*\* Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic. Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

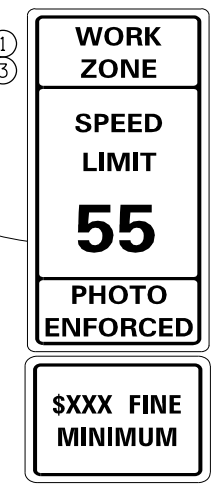
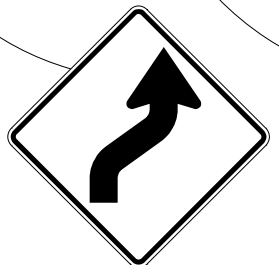
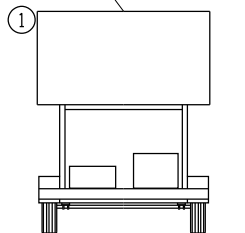
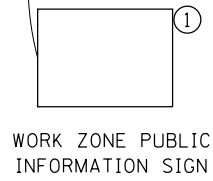
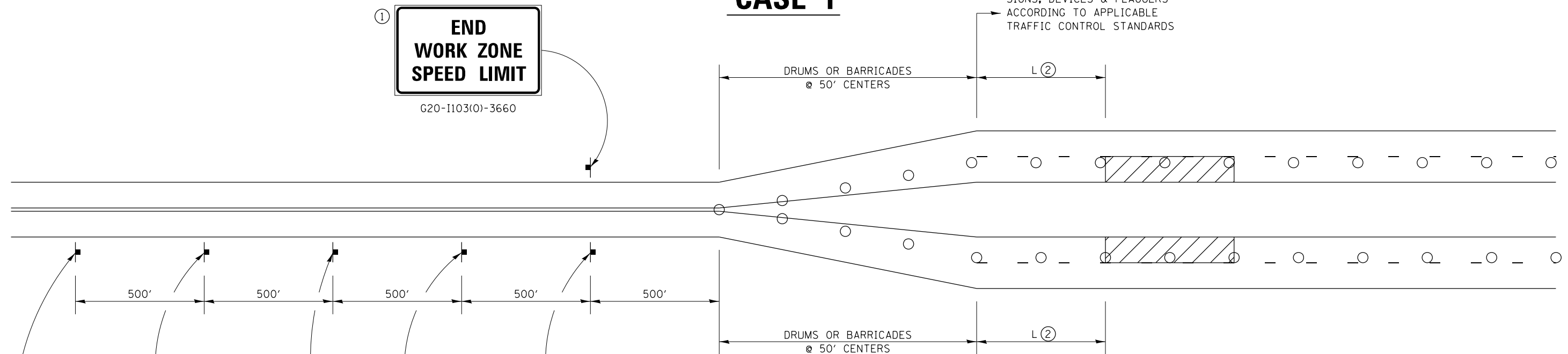
TYPICAL APPLICATION FOR ROAD CLOSURE

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\BR\Draws\Whiteside\64K83 Partial Clearing & Painting SN 098-0051 & 0052\CADD\0207	DRAWN: cover:rdgn	REVISIONS	REVISED - 10-17-11					5571	(B&B-1)P	WHITESIDE	24	9
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS	REVISED -		SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
PLOT DATE = Aug-13-2015 11:14:25 AM	DATE -	REVISIONS	REVISED -					CONTRACT NO. 64K83				

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 1

SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS



SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS

GENERAL NOTES  
THIS DETAIL IS TO BE USED IN CONJUNCTION  
WITH THE APPLICABLE MULTILANE TRAFFIC  
CONTROL AND PROTECTION STANDARD.

1. If applicable, use speed limit as shown on applicable multilane Traffic Control and Protection Standard.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

\* DEPENDS ON GEOMETRICS OF THE TRANSITION. MAY SWITCH THE "STAY IN YOUR LANE" AND "WEAVE SIGNS"

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 8-27-13
D:\BR\Draw\Whiteside\64K83 Partial Clearing & Painting SN 098-0051 & 0052\CADD\0207		DRAWN - coveridgn	REVISED - 1-16-13
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR -	REVISED -
PLOT DATE = Aug-13-2015 11:14:31 AM	DATE -	REVISOR -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

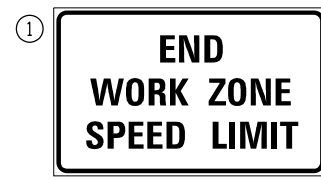
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B&B-1)P	WHITESIDE	24	10
CONTRACT NO. 64K83				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 2

SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS



G20-1103(0)-3660

DRUMS OR BARRICADES  
@ 50' CENTERS

L(2)

SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS

DRUMS OR BARRICADES  
@ 50' CENTERS

L(2)

500'

500'

500'

500'

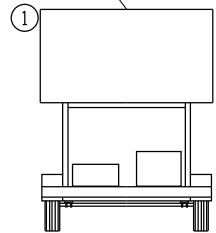
500'

500'

WORK ZONE PUBLIC  
INFORMATION SIGN



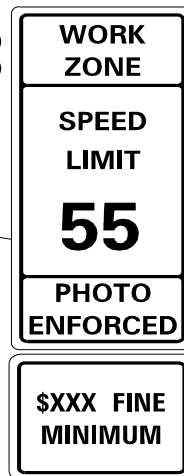
W20-1(0)-48



PORTABLE CHANGEABLE  
MESSAGE SIGN



1  
3



W2-1115(0)-3618

R2-1-3648

R10-19aP-3618

R2-1106-3618

GENERAL NOTES  
THIS DETAIL IS TO BE USED IN CONJUNCTION  
WITH THE APPLICABLE MULTILANE TRAFFIC  
CONTROL AND PROTECTION STANDARD.

1. If applicable, use speed limit as shown on applicable multilane Traffic Control and Protection Standard.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED  
IN THE COST OF SPECIFIED TRAFFIC CONTROL  
STANDARDS OR ITEMS.

○ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306  
SHALL NOT BE USED WITHIN 500 FEET  
OF THE TRANSITION.

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 8-27-13
D:\BR\Draws\Whiteside\64K83 Partial Clearing & Painting SN 098-0051 & 0052\CADD\0207	DRAWN=coveridgn	CHECKED -	REVISED - 1-16-13
PLOT SCALE = 100.0000' / in.	DATE -	REVISIONS -	REVISIONS -
PLOT DATE = Aug-13-2015 11:14:36 AM			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

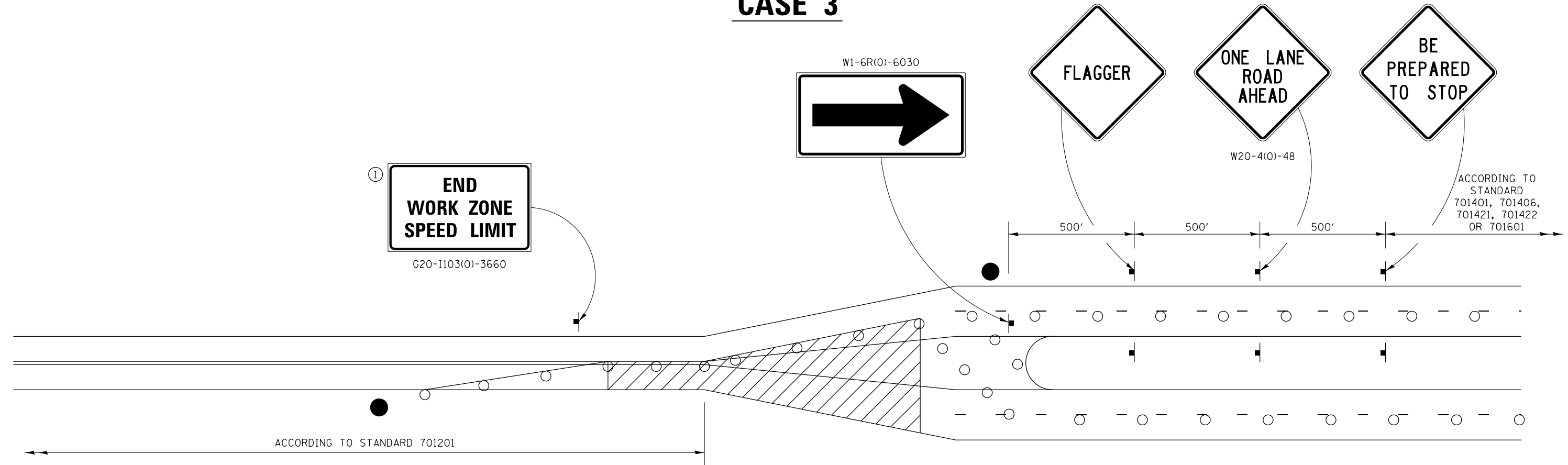
REGION 2 / DISTRICT 2 STANDARD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B&B-1)P	WHITESIDE	24	11
CONTRACT NO. 64K83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 3



GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

If applicable, use speed limit as shown on applicable multilane Traffic Control and Protection Standard.

If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.

3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

- FLAGGER WITH TRAFFIC CONTROL SIGN
- DRUMS OR BARRICADES
- WORK AREA

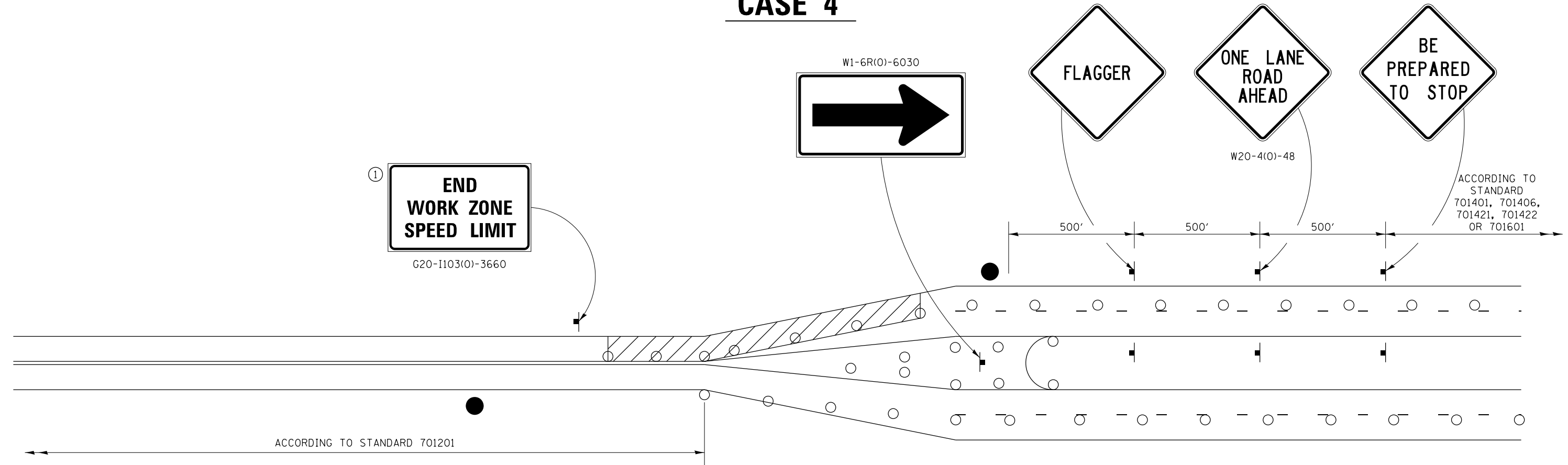
NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - 3-05-12			5571	(B&B-1)P	WHITESIDE	24	12	
			REVISED -			CONTRACT NO. 64K83					
			REVISED -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000' / in.		CHECKED -	DATE -	SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____							
PLOT DATE = Aug-13-2015 11:14:44 AM		DATE -	REVISED -								



# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 4



GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

If applicable, use speed limit as

1. shown on applicable multilane Traffic Control and Protection Standard.
2. the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

- FLAGGER WITH TRAFFIC CONTROL SIGN
- DRUMS OR BARRICADES
- WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D:\BR\Draws\Whiteside\64K83 Partial Clearing & Painting SN 098-0051 & 0052\CADD\0207						5571	(B&B-1)P	WHITESIDE	24	13	
DRAWN: cover:rdgn						CONTRACT NO. 64K83					
PLOT SCALE = 100.0000' / in.						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
PLOT DATE = Aug-13-2015 11:14:50 AM		DATE -		SCALE: _____		SHEET NO. _____ OF _____ SHEETS		STA. _____ TO STA. _____			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 5571	BD	WHITESIDE	63	15
FED. RD. DIST. NO. 7 ILLINOIS FED. AID PROJECT				

SHEET NO. 1  
44 SHEETS

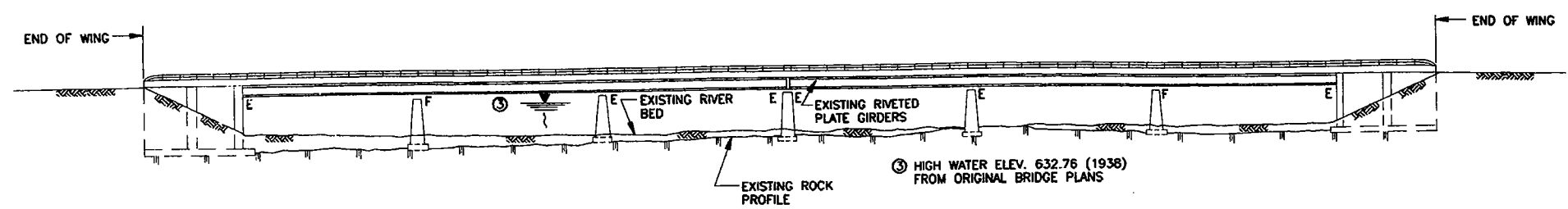
B.M. - CHISELED "D" ON LOWEST STEP OF SOUTHEAST WINGWALL  
22' LEFT, STATION 20+30±, ELEVATION 644.97

EXISTING STRUCTURE : STRUCTURE NUMBER 098-0051. CONSTRUCTED IN 1951 UNDER  
SENATE BILL #417, SECTION B-F.  
SUPERSTRUCTURE : REINF. CONC. DECK ON RIVETED STEEL PLATE GIRDERS  
SUBSTRUCTURE : VAULTED ABUTMENTS, SOLID PIERS  
DECK TO BE REMOVED AND STRUCTURE WIDENED. TRAFFIC  
TO BE MAINTAINED UTILIZING STAGE CONSTRUCTION.

NO SALVAGE :

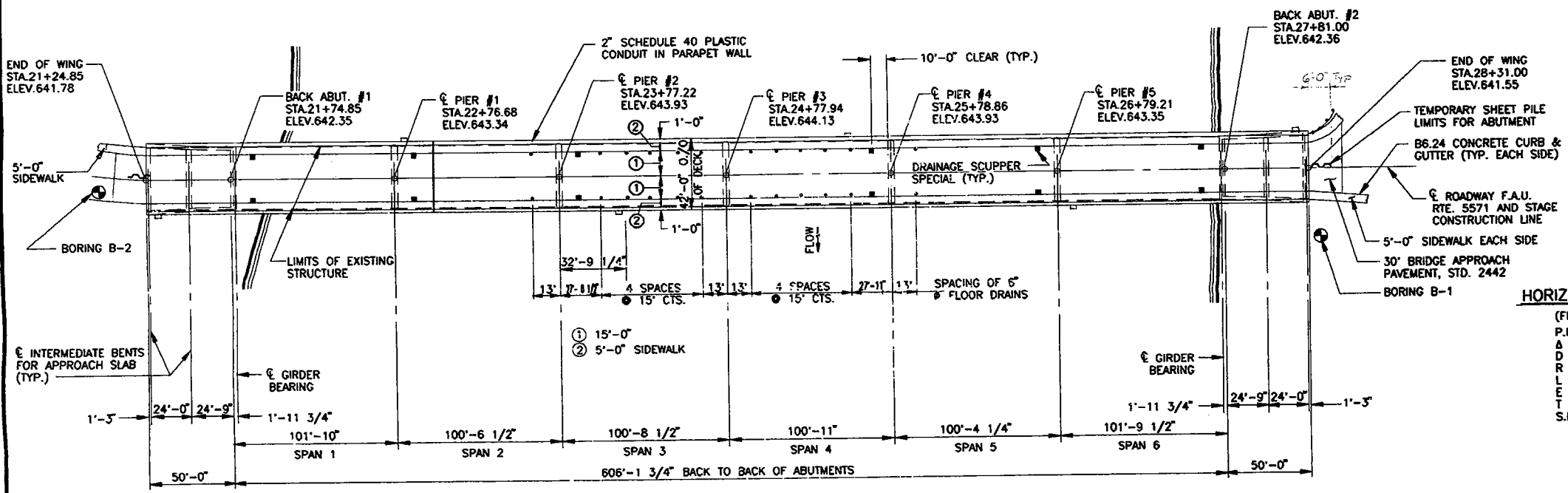
098-0051  
&  
098-0052  
reh

STATION 24+78  
REBUILT 199... BY  
STATE OF ILLINOIS  
F A RTE. 5571 SEC. BD  
F A PROJ. BHM-5062 (014)  
LOADING HS 20  
STR. NO. 098-0051



ELEVATION

NOTES:  
EXISTING NAME PLATE TO BE CLEANED AND RELOCATED NEXT  
TO NEW NAME PLATE ON THE NEW PARAPET. COST INCIDENTAL  
TO "NAME PLATE".  
FOR MATERIALS AND DETAIL DIMENSIONS OF NAME PLATES,  
SEE STANDARD SHEET 2113.



PLAN

HORIZ. CURVE DATA

(FIELD CURVE)  
P.I. STA. 21+13.06  
Δ = 75°30'  
D = 700'00"  
R = 818.51'  
L = 113.21'  
E = 1.98'  
T = 56.70'  
S.E., NONE

DESIGN SPECIFICATIONS

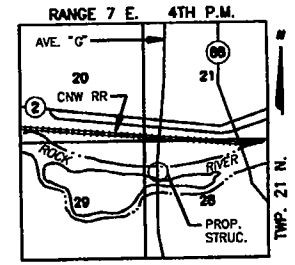
1989 AASHTO SPECIFICATIONS AND 1990-1991 INTERIMS

DESIGN LOADING HS20-44

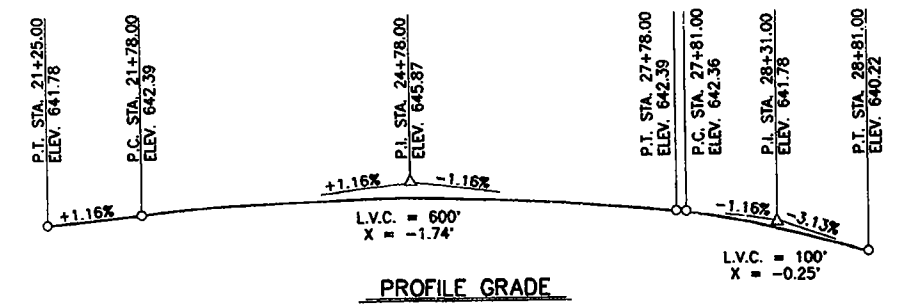
ALLOW 25#/SQ.FT. FOR FUTURE WEARING SURFACE

DESIGN STRESSES

f<sub>c</sub> = 3500 psi  
f<sub>y</sub> = 60,000 psi (REINF.)  
f<sub>s</sub> = 18,000 psi (EXISTING PLATE GIRDERS)

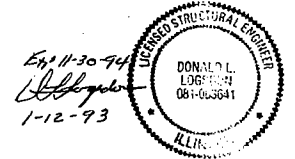


LOCATION SKETCH



PROFILE GRADE

APPROVED  
FOR STRUCTURAL ADEQUACY ONLY  
*Ralph E. Anderson*  
Engineer of Bridges and Structures



GENERAL PLAN  
AVENUE "G" OVER NORTH  
CHANNEL OF THE ROCK RIVER  
F.A.U. RTE. 5571 SECTION BD  
WHITESIDE COUNTY  
STRUCTURE NO. 098-0051  
STATION 24+77.94

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 5571	BD-1	WHITESIDE	63	16
FED. RD. DIST. NO. 7 ILLINOIS FED. AID PROJECT				

SHEET NO. 2  
44 SHEETS

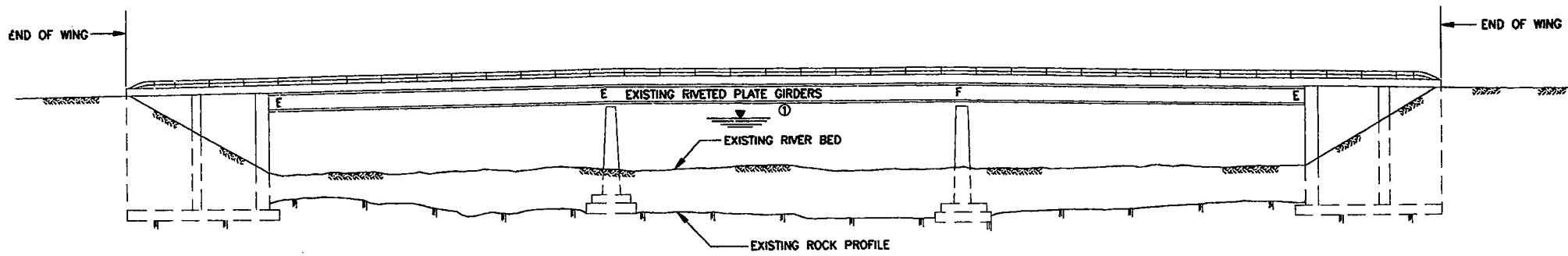
B.M. - CHISELED "□" ON LOWEST STEP OF SOUTHEAST WINGWALL  
22' LEFT, STATION 20+30.2, ELEVATION 644.97

EXISTING STRUCTURE : STRUCTURE NUMBER 098-0052, CONSTRUCTED IN 1951 UNDER  
SENATE BILL #417, SECTION B-F.  
SUPERSTRUCTURE : REINF. CONC. DECK ON RIVETED STEEL PLATE GIRDERS  
SUBSTRUCTURE : VAULTED ABUTMENTS, SOLID PIERS  
DECK TO BE REMOVED AND STRUCTURE WIDENED. TRAFFIC  
TO BE MAINTAINED UTILIZING STAGE CONSTRUCTION.

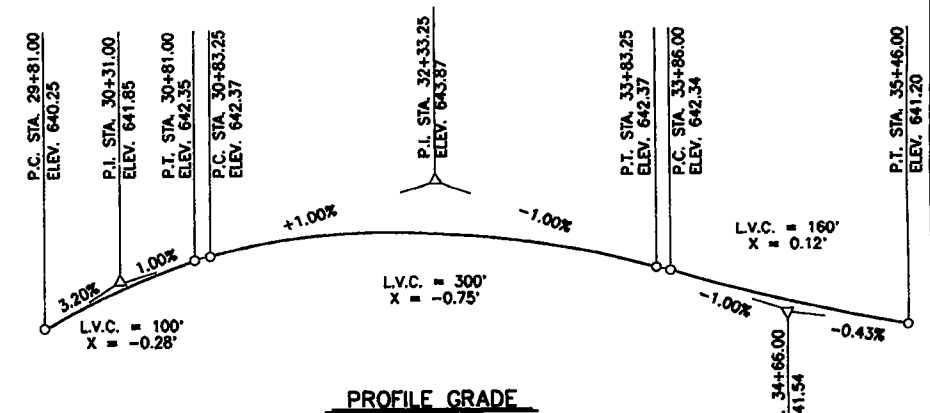
NO SALVAGE :

STATION 32+33  
REBUILT 1992 BY  
STATE OF ILLINOIS  
F A RTE. 5571 SEC. BD-1  
F A PROJ. BHM-5062(014)  
LOADING HS 20  
STR. NO. 098-0052

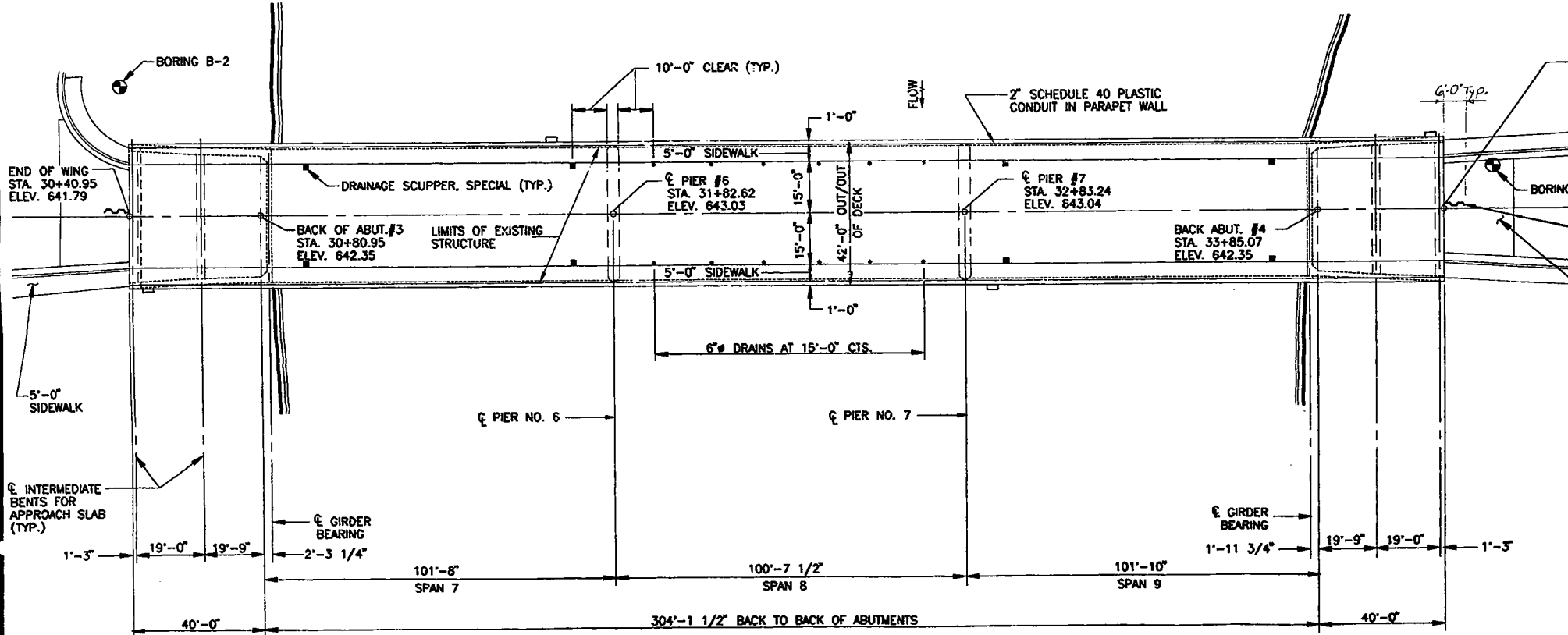
NOTES:  
EXISTING NAME PLATE TO BE CLEANED AND RELOCATED NEXT  
TO NEW NAME PLATE ON THE NEW PARAPET, COST INCIDENTAL  
TO "NAME PLATE."  
FOR MATERIALS AND DETAIL DIMENSIONS OF NAME PLATES,  
SEE STANDARD SHEET 2113.



ELEVATION

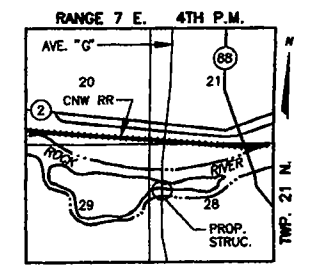


PROFILE GRADE



PLAN

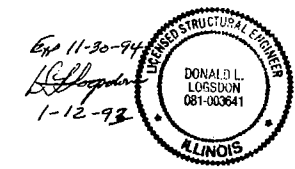
**DESIGN SPECIFICATIONS**  
1989 AASHTO SPECIFICATIONS & 1990-1991 INTERIM  
**DESIGN LOADING HS20-44**  
ALLOW 25#/SQ.FT. FOR FUTURE WEARING SURFACE  
**DESIGN STRESSES**  
f<sub>c</sub> = 3500 psi  
f<sub>y</sub> = 60,000 psi (REINF.)  
f<sub>s</sub> = 18,000 psi (EXISTING PLATE GIRDERS)



LOCATION SKETCH

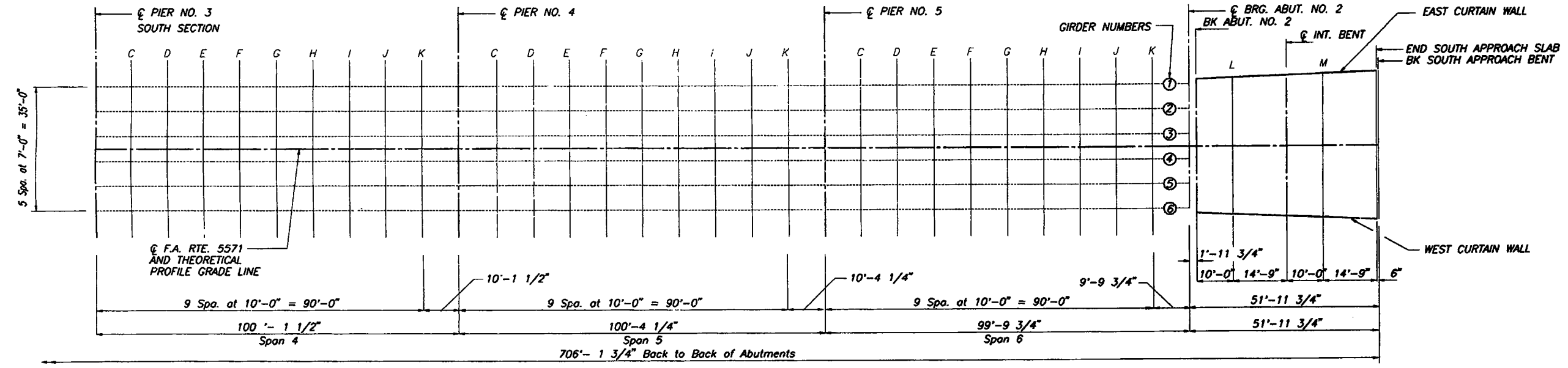
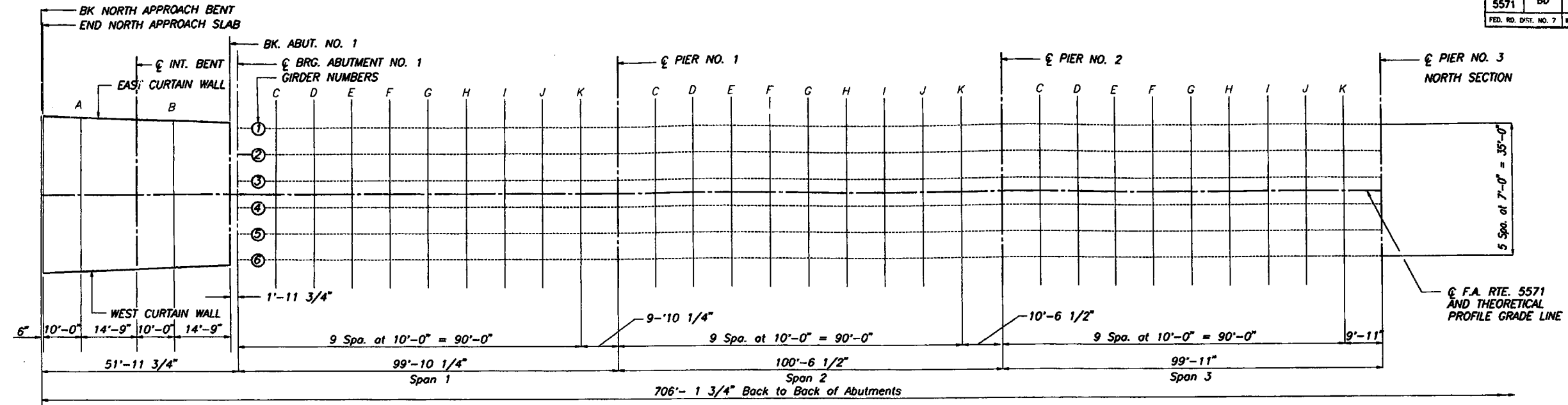
**GENERAL PLAN**  
AVENUE "G" OVER SOUTH  
CHANNEL OF THE ROCK RIVER  
F.A.U. RTE. 5571 SECTION BD-1  
WHITESIDE COUNTY  
STRUCTURE NO. 098-0052  
STATION 32+33.01

**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY  
*Ralph E. Anderson*  
Engineer of Bridges and Structures



ROUTE NO. 5571	SECTION BD	COUNTY WHITESIDE	TOTAL SHEETS 63	SHEET NO. 22
FED. RD. DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 8  
44 SHEETS



**ELEVATION LOCATION PLAN**

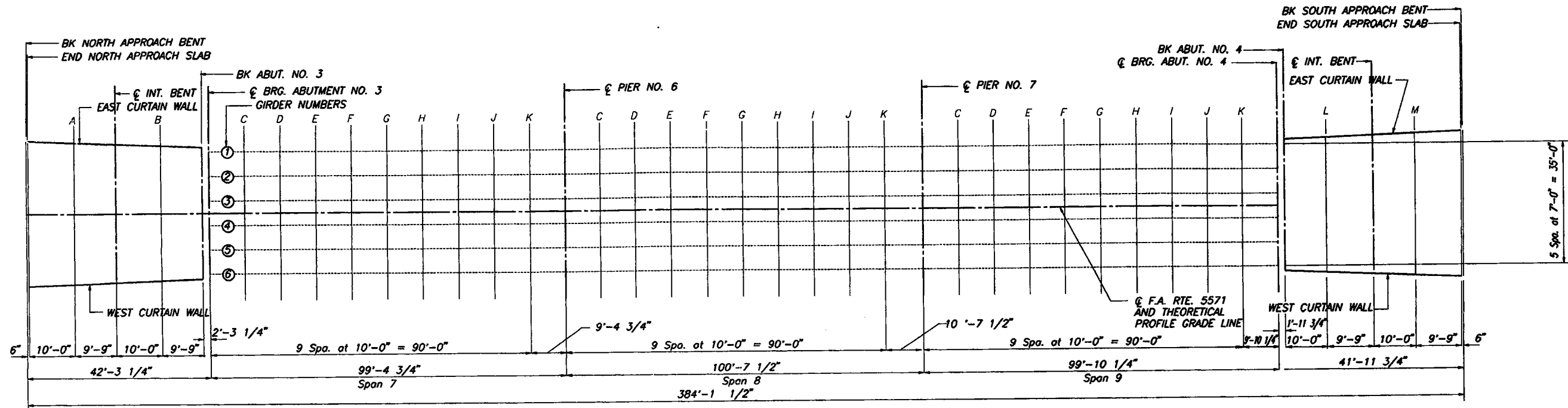
**SUPERSTRUCTURE  
TOP OF SLAB ELEVATION-LOCATIONS**  
 AVENUE "G" OVER NORTH  
 CHANNEL OF THE ROCK RIVER  
 F.A.U. RTE. 5571 SECTION BD  
 WHITESIDE COUNTY  
 STRUCTURE NO. 098-0051



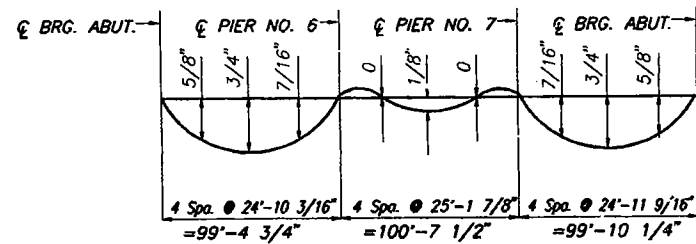
**FOR INFORMATION ONLY**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 5571	BD-1	WHITESIDE	63	23
FED. RD. DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 9  
44 SHEETS



ELEVATION LOCATION PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)

NOTE: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflection as shown on sheet 12 & 13

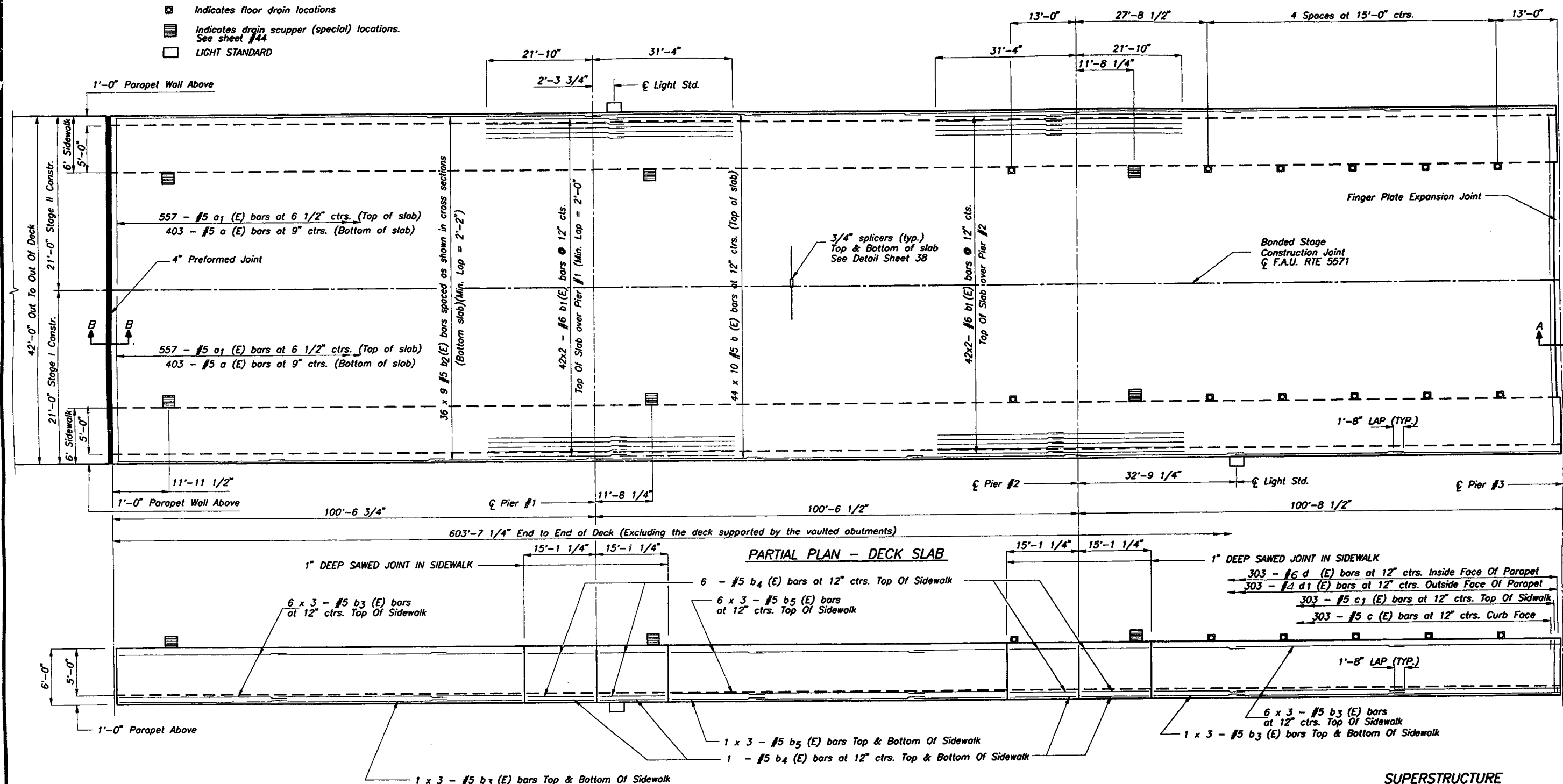
**SUPERSTRUCTURE**  
**TOP OF SLAB ELEVATION-LOCATIONS**  
AVENUE "G" OVER SOUTH  
CHANNEL OF THE ROCK RIVER  
F.A.U. RTE. 5571 SECTION BD-1  
WHITESIDE COUNTY  
STRUCTURE NO. 098-0052

ROUTE NO. FA.U. 5571	SECTION BD	COUNTY WHITESIDE	TOTAL SHEETS 63	SHEET NO. 28	SHEET NO. 14 44 SHEETS
FED. RD. DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

**NOTES:**  
 Reinforcement bars designated (E) shall be epoxy coated. See special provisions.  
 Bars indicated thus 20 x 3 - #5 etc. indicates 20 lines of bars with 3 lengths per line.  
 Cut reinforcement bars in field to miss drain scuppers (special). See Special Provisions for cutting of epoxy coated reinforcement bars.  
 Work this sheet with sheet #'s 15, 16, & 17  
 For sections A-A & B-B see sheet #'s 22 & 23

**LEGEND**

- ☐ Indicates floor drain locations
- ▣ Indicates drain scupper (special) locations. See sheet #44
- LIGHT STANDARD



**PARTIAL PLAN - WALKWAY & PARAPET**

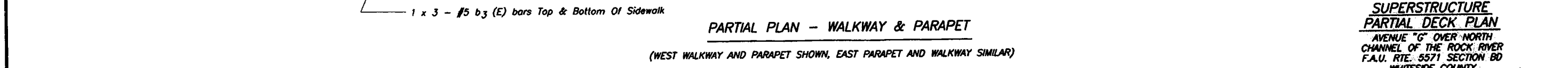
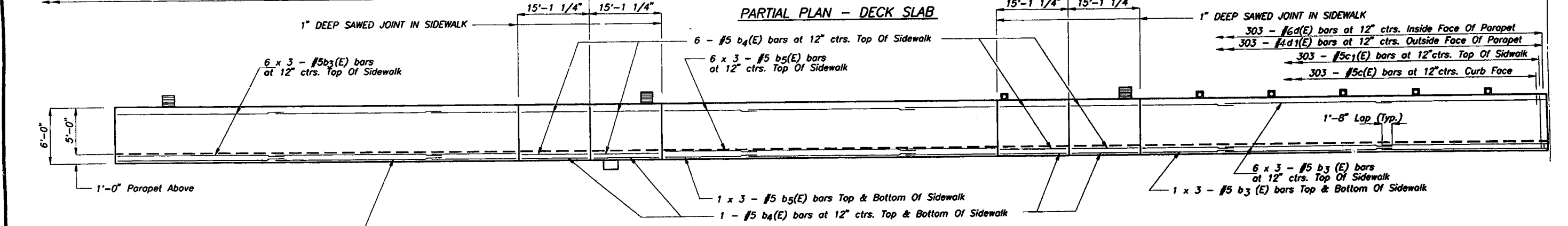
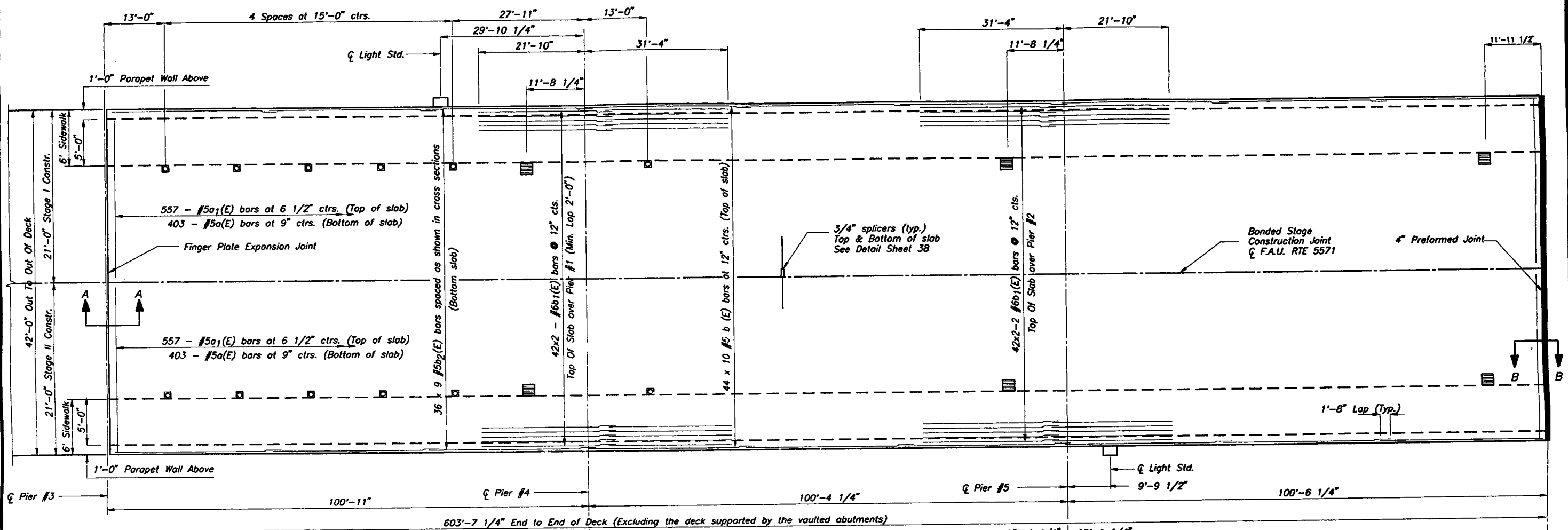
(WEST WALKWAY AND PARAPET SHOWN, EAST PARAPET AND WALKWAY SIMILAR)

**SUPERSTRUCTURE  
 PARTIAL DECK PLAN**  
 AVENUE "G" OVER NORTH  
 CHANNEL OF THE ROCK RIVER  
 F.A.U. RTE. 5571 SECTION BD  
 WHITESIDE COUNTY  
 STRUCTURE NO. 098-0051

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15 44 SHEETS
F.A.U. 5571	BD	WHITESIDE	63	29	
FED. RD. DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

**NOTES:**  
 Reinforcement bars designated (E) shall be epoxy coated. See special provisions.  
 Bars indicated thus 20 x 3 - #5 etc. indicates 20 lines of bars with 3 lengths per line.  
 Cut reinforcement bars in field to miss drain scuppers (special). See Special Work this sheet with sheet #'s 14, 16 & 18  
 For sections A-A & B-B see sheet #'s 22 & 23

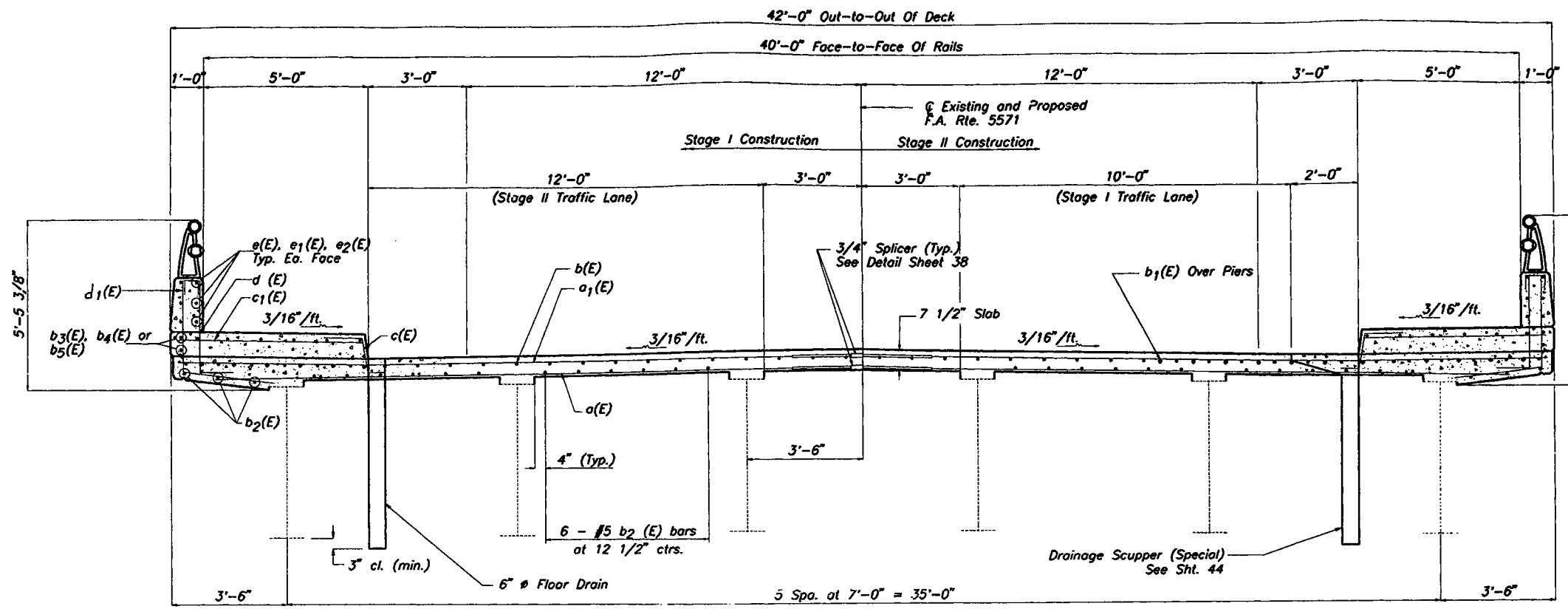
- LEGEND**
- ☐ Indicates floor drain locations
  - ▣ Indicates drain scupper (special) locations. See sht # 44
  - LIGHT STANDARD



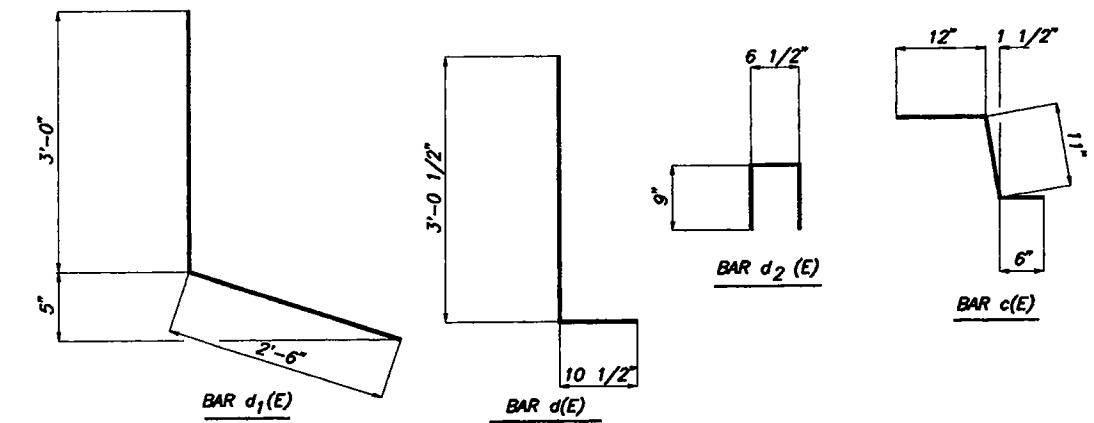
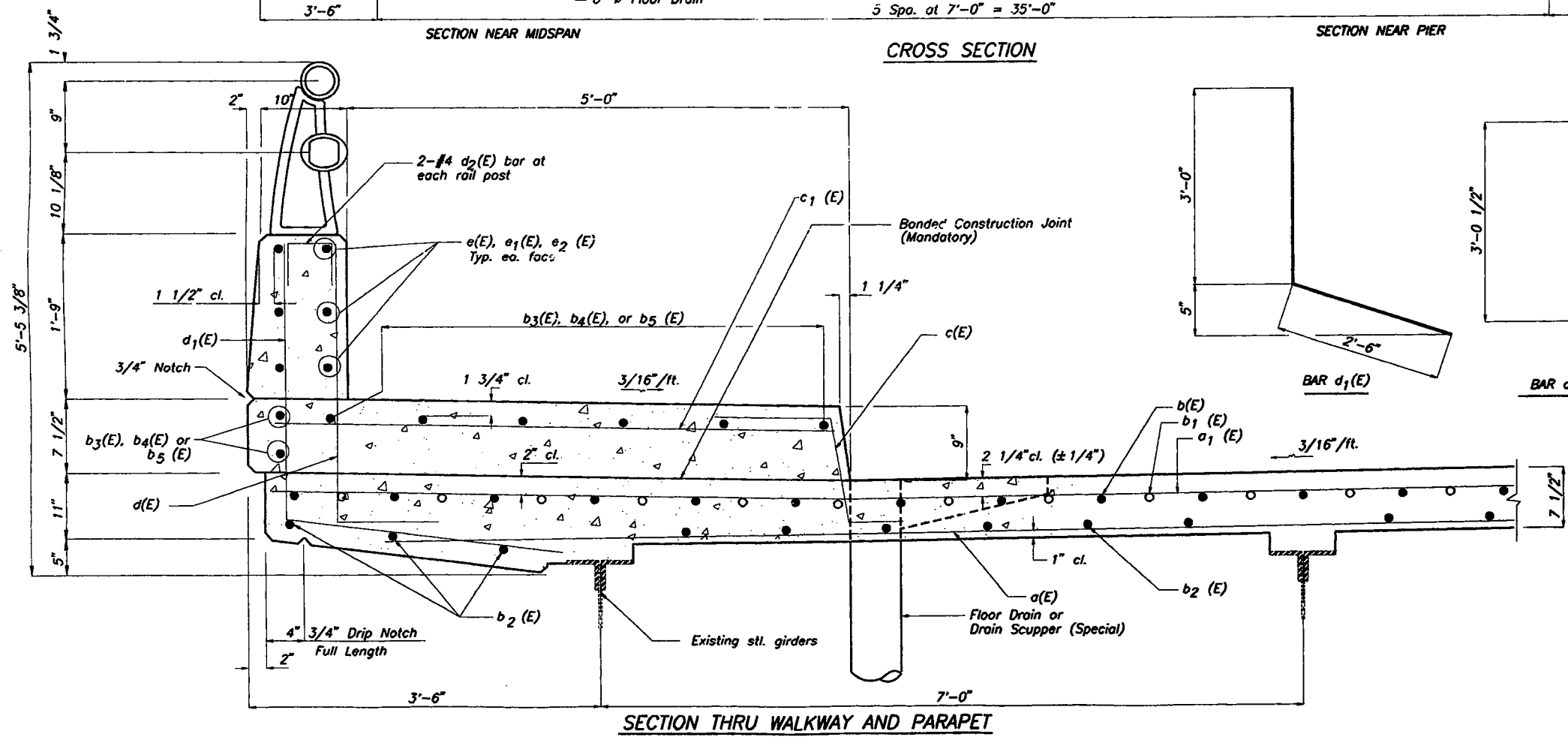
(WEST WALKWAY AND PARAPET SHOWN, EAST PARAPET AND WALKWAY SIMILAR)

**SUPERSTRUCTURE  
 PARTIAL DECK PLAN**  
 AVENUE "G" OVER NORTH  
 CHANNEL OF THE ROCK RIVER  
 F.A.U. RTE. 5571 SECTION BD  
 WHITESIDE COUNTY  
 STRUCTURE NO. 098-0051

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 17
F.A.U. 5571	BD & BD-1	WHITESIDE	63	31	44 SHEETS
FED. RD. DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



NOTE:  
Reinforcement bars designated (E) shall be epoxy coated.



**SUPERSTRUCTURE  
CROSS SECTIONS**  
AVENUE "G" OVER NORTH AND SOUTH  
CHANNELS OF THE ROCK RIVER  
F.A.U. RTE. 5571 SECTION BD AND BD-1  
WHITESIDE COUNTY  
STRUCTURE NO. 098-0051 AND 098-0052



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 23
F.A.U. 5571	BD	WHITESIDE	63	37	44 SHEETS
FED. RD. DIST. NO. 7 ILLINOIS FED. AID PROJECT					

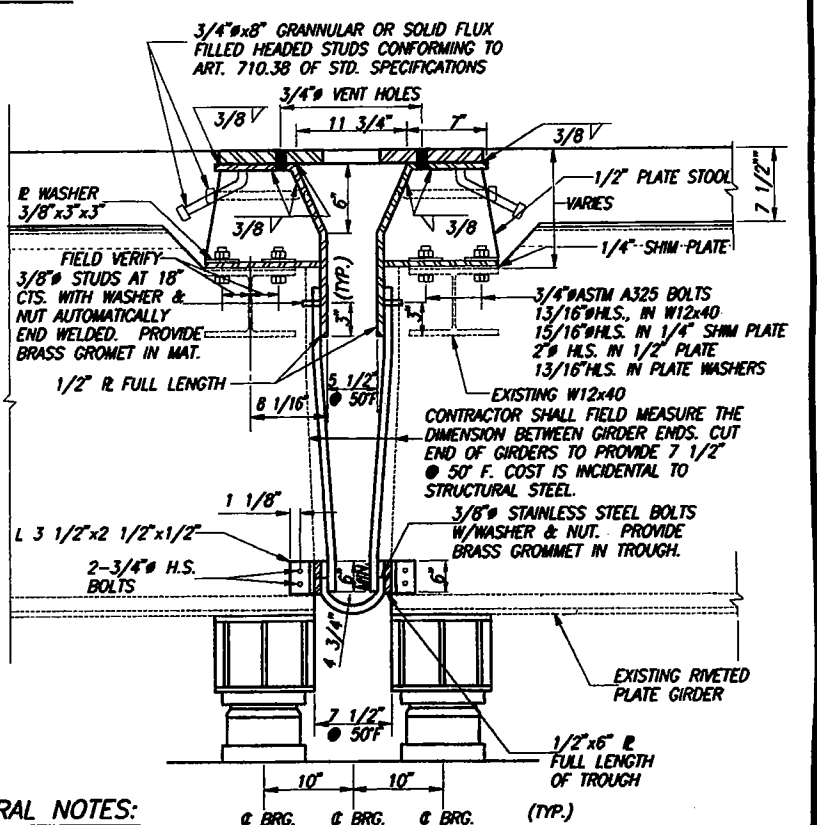
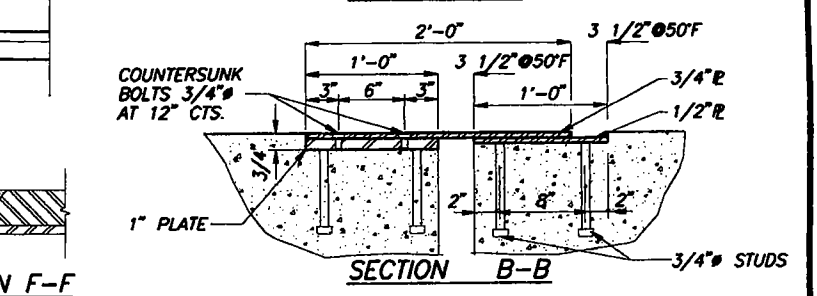
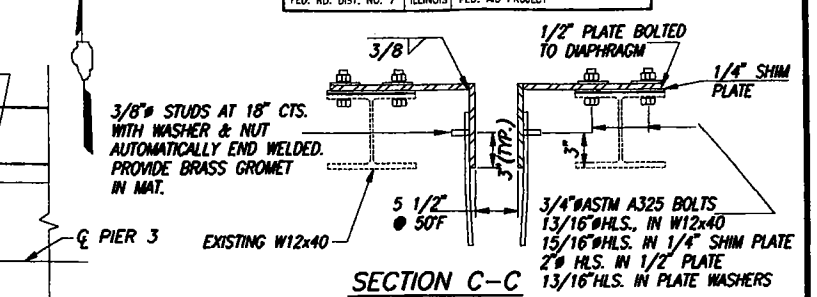
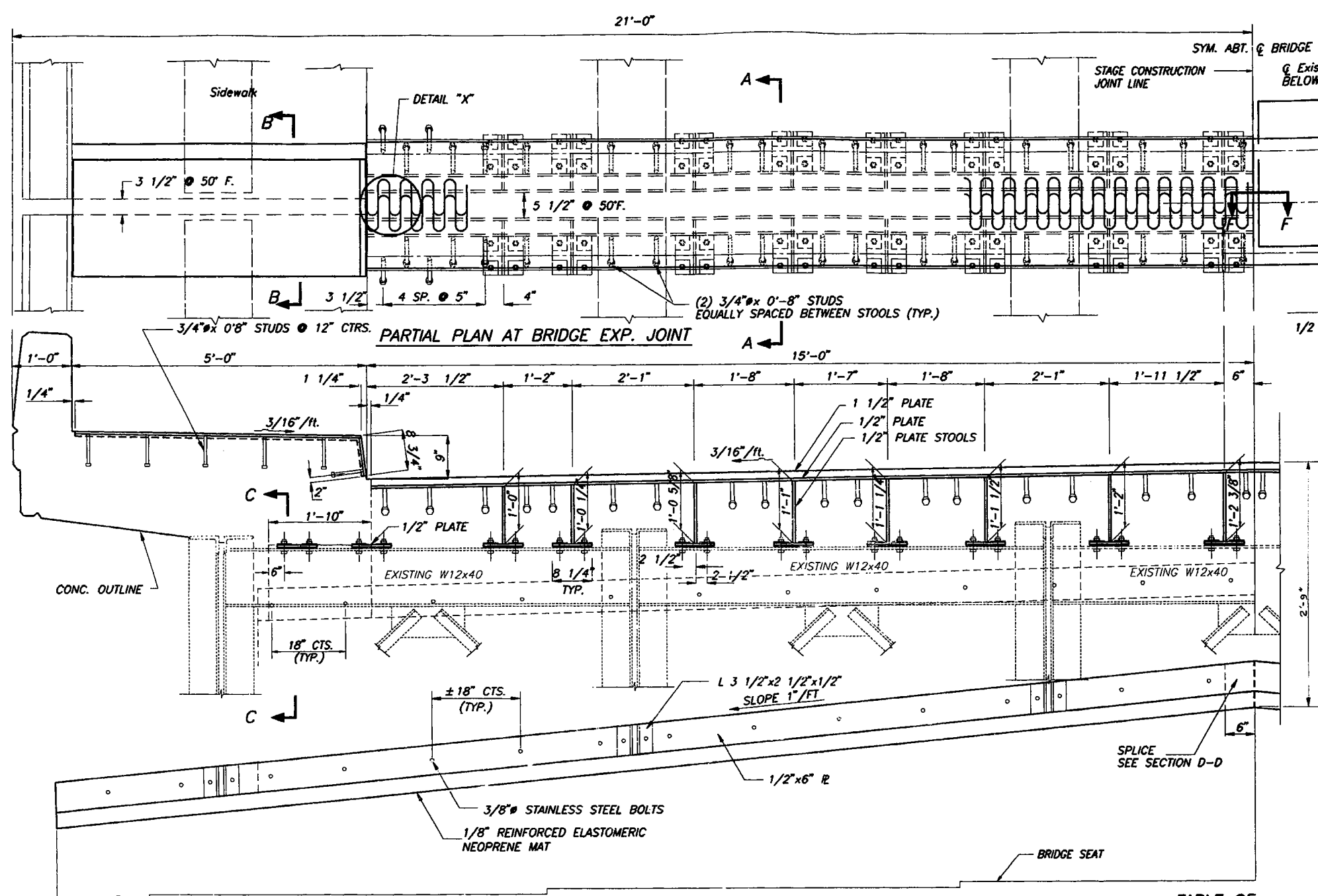
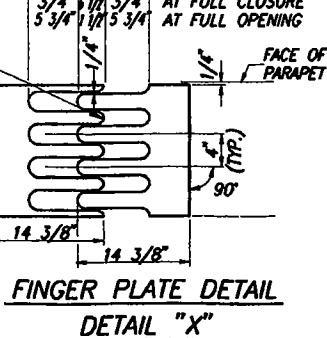
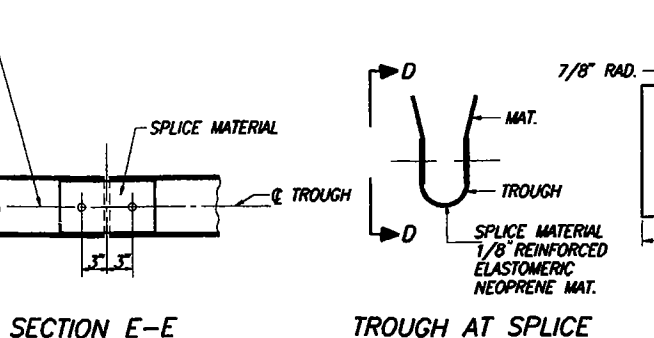
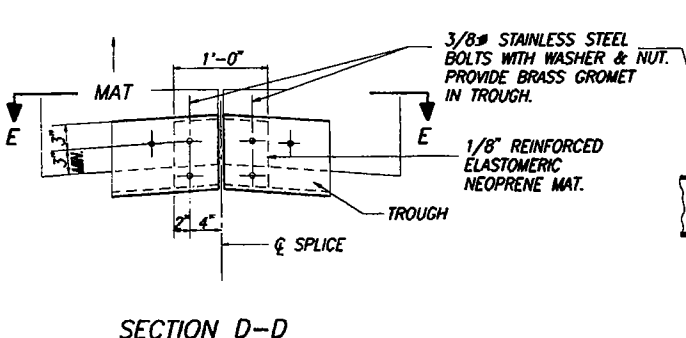


TABLE OF A & B DIMENSIONS

TEMP.	A	B
130F	3/4"	6 1/2"
110F	1 3/8"	5 7/8"
90F	2"	5 1/4"
70F	2 5/8"	4 5/8"
50F	3 1/4"	4"
30F	3 7/8"	3 3/8"
10F	4 1/2"	2 3/4"
-10F	5 1/8"	2 1/8"
-30F	5 3/4"	1 1/2"

**GENERAL NOTES:**  
 Roadway expansion device shall be fabricated to fit the slope of the roadway.  
 Plates shall be flame cut 1/4" using an automatic machine.  
 Expansion devices shall be assembled in the shop in proper position and left assembled for shop inspection.  
 All welding shall comply with Art. 507.04 of the Standard Specifications.  
 Expansion device shall be included for payment as structural steel.  
 Provide 1/4" normal shim plate under each support that rests on steel diaphragms. In addition, provide (one) 1/16" and (one) 1/8" shim for purposes of adjustment.



**SUPERSTRUCTURE EXPANSION JOINT DETAILS**  
 AVENUE "G" OVER NORTH CHANNEL OF THE ROCK RIVER  
 F.A.U. RTE. 5571 SECTION BD  
 WHITESIDE COUNTY  
 STRUCTURE NO. 098-0051

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 5571	BD BD-1	WHITESIDE	63	58
FED. RD. DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 24  
44 SHEETS

Joint Size	"C" at 50°F	"D" at 50°F
2"	2"	1 1/2" Min.
2 1/2"	2 1/2"	1 3/4" Min.
4"	3"	2 1/2" Min.

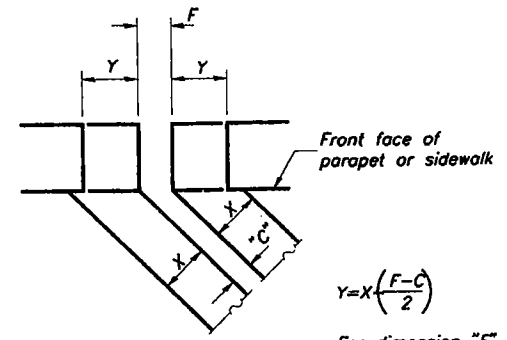
**INSTALLATION NOTES**

- Install sponge mandrels into positions shown to form flap convolution.
- Install parapet or sidewalk piece (trim roadway flap to fit before applying epoxy).
- Install continuous seal in roadway.
- Install anchor blocks as indicated.

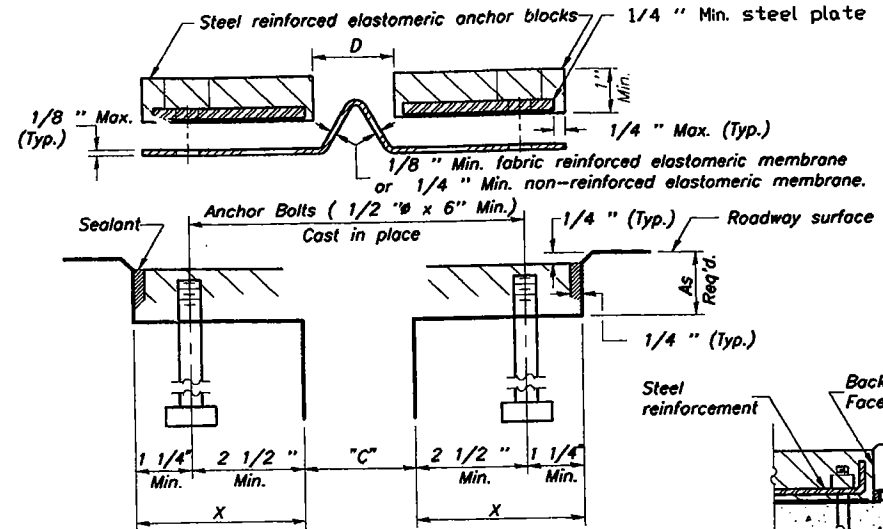
NOTE A: Maximum spacing of anchor bolts shall be 12" centers.

**SKREW LIMITATIONS**

The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews. For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed in accordance with dimension "D", might require modifications to insure a minimum clearance of 1 1/2" from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor studs spaced at ±12" cts.



**FORMING BLOCKOUT SKETCH**

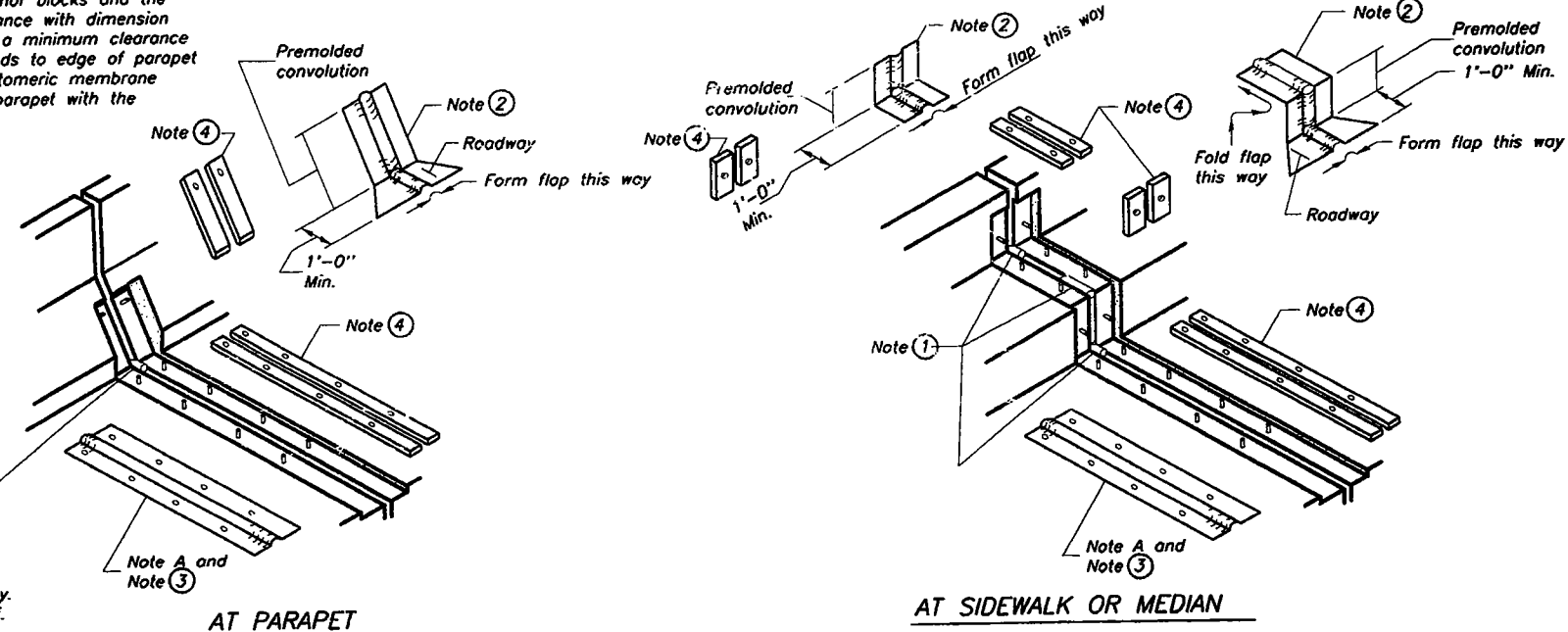


**CROSS SECTION**

**ANCHOR BLOCK REINFORCEMENT WITH ASPHALT SURFACE**

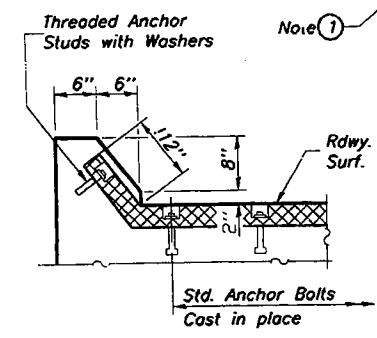
**GENERAL NOTES**

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane. See Special Provisions.  
The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.  
The steel reinforcement must extend up the back face of anchor blocks when asphalt surfaces are used but is optional in concrete blockout.  
The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.  
Joint openings shall be adjusted in accordance with Article 503.07(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.  
The parapet and sidewalk flaps may be furnished factory vulcanized to the roadway membrane provided the centerline of the convolution is maintained and the process and method meet the approval of the Engineer.

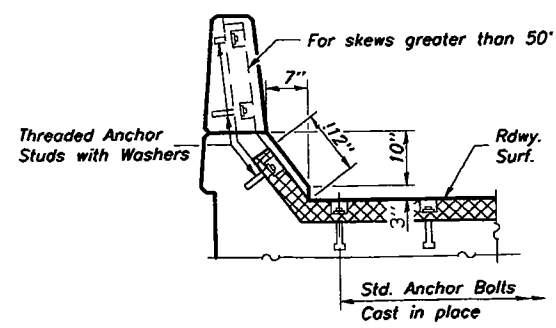


**AT PARAPET**

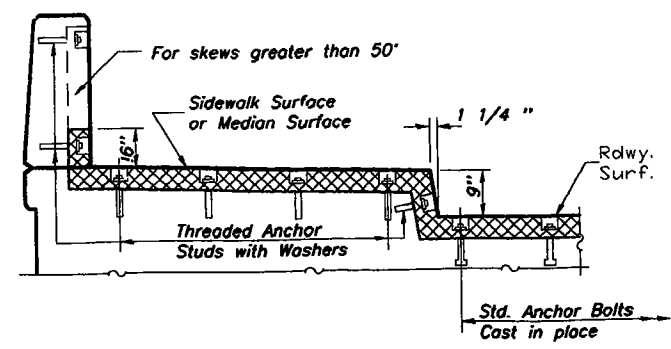
**AT SIDEWALK OR MEDIAN**



**AT CURB**



**AT PARAPET**



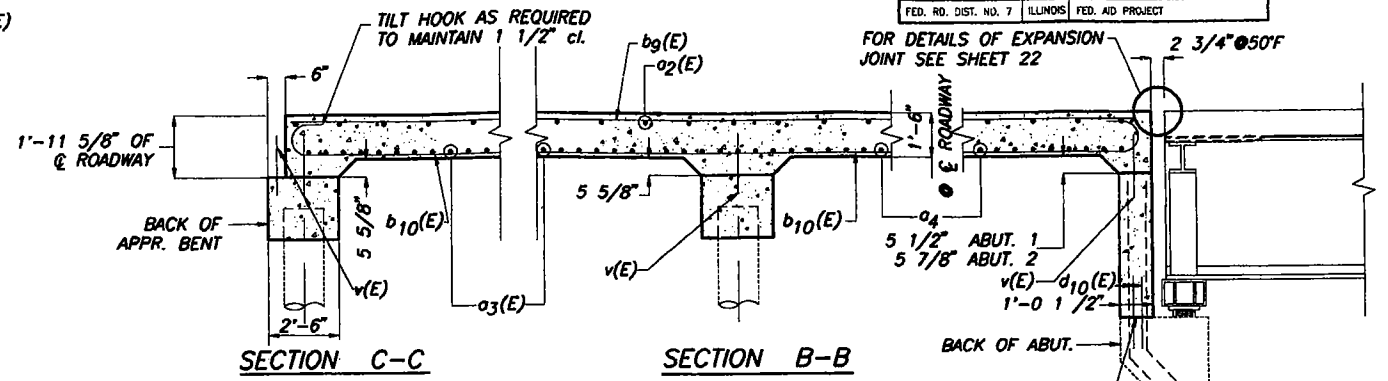
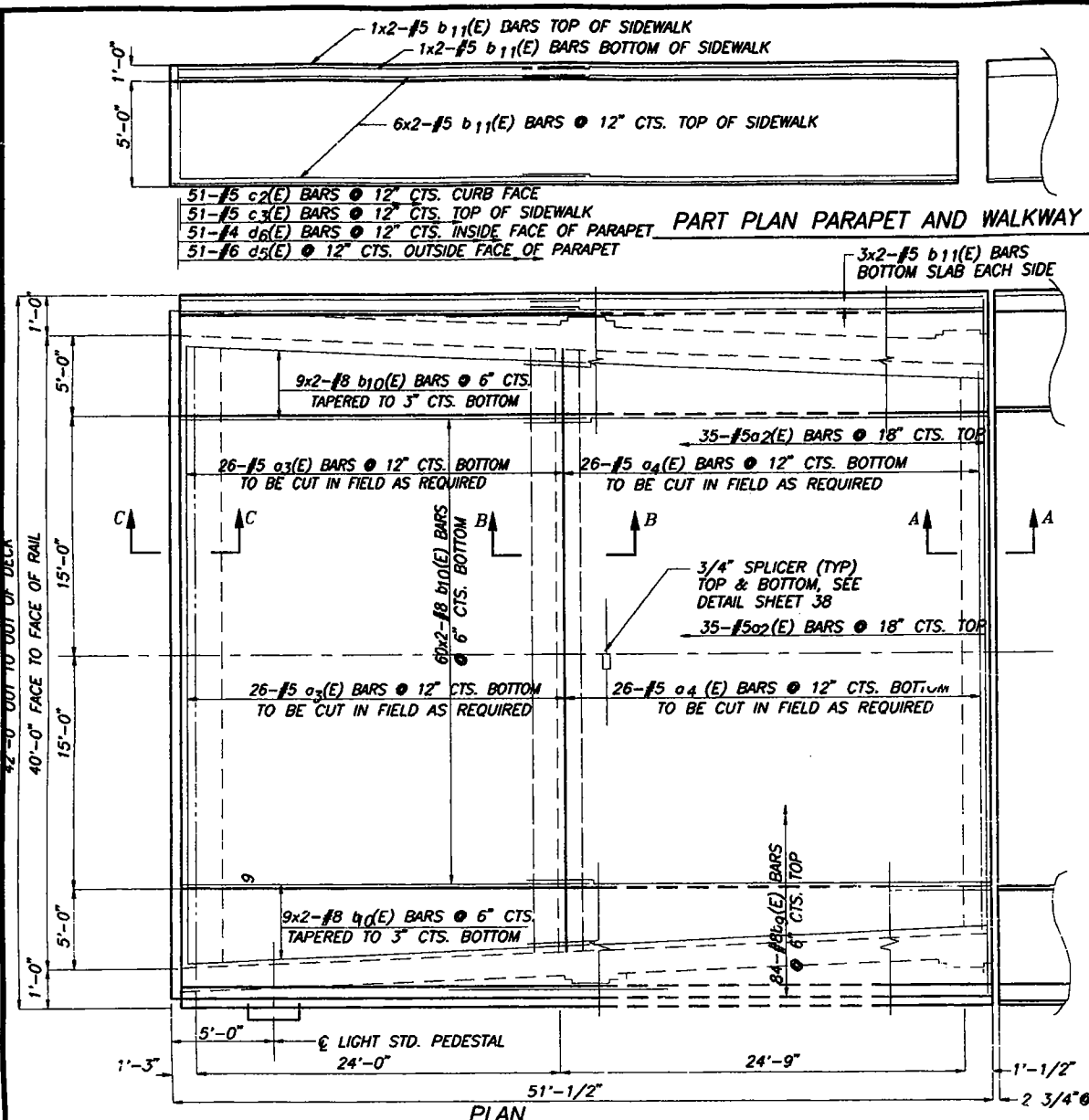
**AT SIDEWALK OR MEDIAN TYPICAL END TREATMENTS**

**CONTINUOUS SEAL TYPE NEOPRENE EXPANSION JOINTS**  
For 2", 2 1/2" and 4" Movement  
AVENUE "G" OVER NORTH AND SOUTH CHANNELS OF THE ROCK RIVER  
F.A.U. RTE. 5571 SECTION BD AND BD-1 WHITESIDE COUNTY  
STRUCTURE NO. 098-0051 AND 098-0052

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 30
FAU. 5571	BD	WHITESIDE	63	44	44 SHEETS
FED. RD. DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

REINFORCEMENT BARS INDICATED (E) SHALL BE EPOXY COATED  
 BARS INDICATED THUS 9x2-#8 INDICATES 9 LINES OF BARS WITH 2 BARS PER LINE

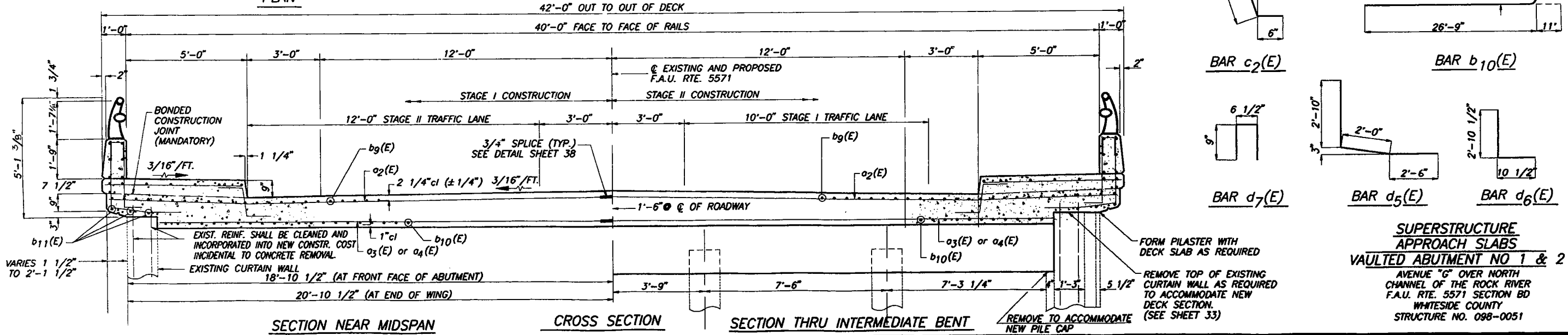
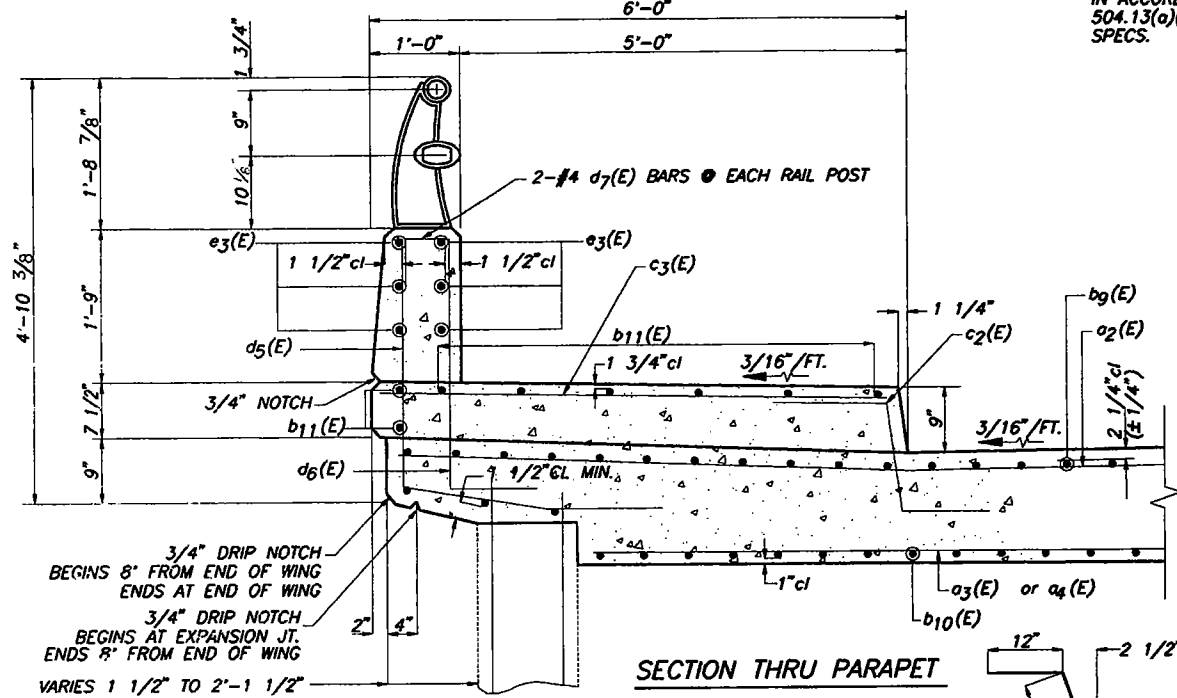
**PART PLAN PARAPET AND WALKWAY**



BONDED CONSTR. JOINT IN ACCORD. WITH ART. 504.13(a)(2) OF STD. SPECS.

**SECTION A-A**  
 TWO APPR. SLABS  
 BILL OF MATERIALS

BAR NO.	SIZE	LENGTH	SHAPE
a2(E)	140 #5	20'-5"	—
a3(E)	104 #5	19'-1"	—
a4(E)	104 #5	18'-1"	—
b9(E)	172 #8	50'-1"	—
b10(E)	312 #8	27'-8"	—
b11(E)	72 #5	26'-9"	—
c2(E)	204 #5	3'-0"	—
c3(E)	204 #5	5'-7"	—
d5(E)	204 #6	7'-4"	—
d6(E)	204 #4	3'-9"	L
d7(E)	40 #4	2'-6"	L
d8(E)	6 #6	4'-1 1/2"	L
d9(E)	10 #6	8'-11"	L
e3(E)	48 #4	24'-11"	—
REINFORCEMENT BARS (EPOXY COATED)			LBS. 59,930
CLASS X CONCRETE			CU.YDS. 258

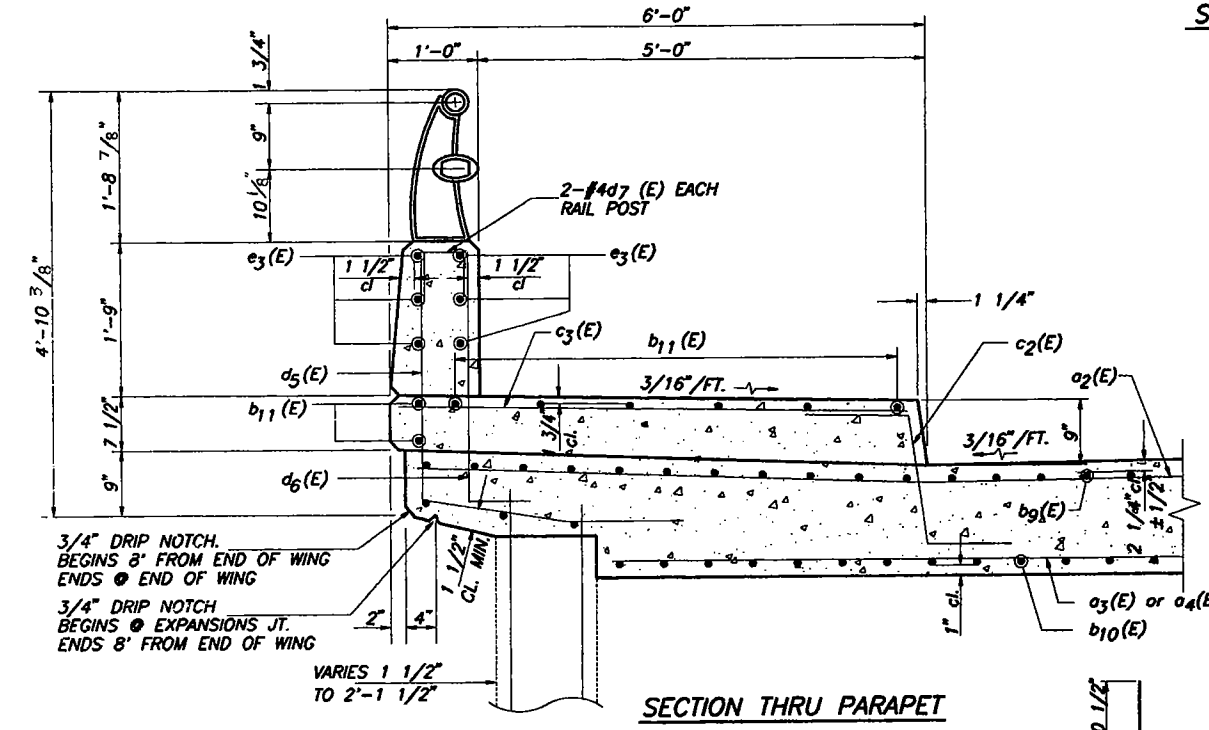
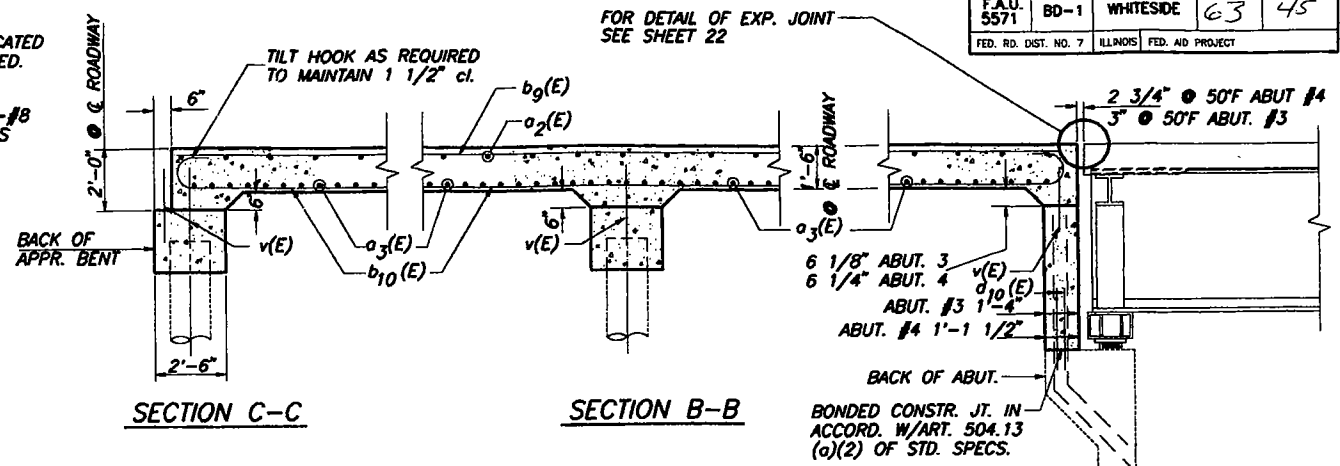
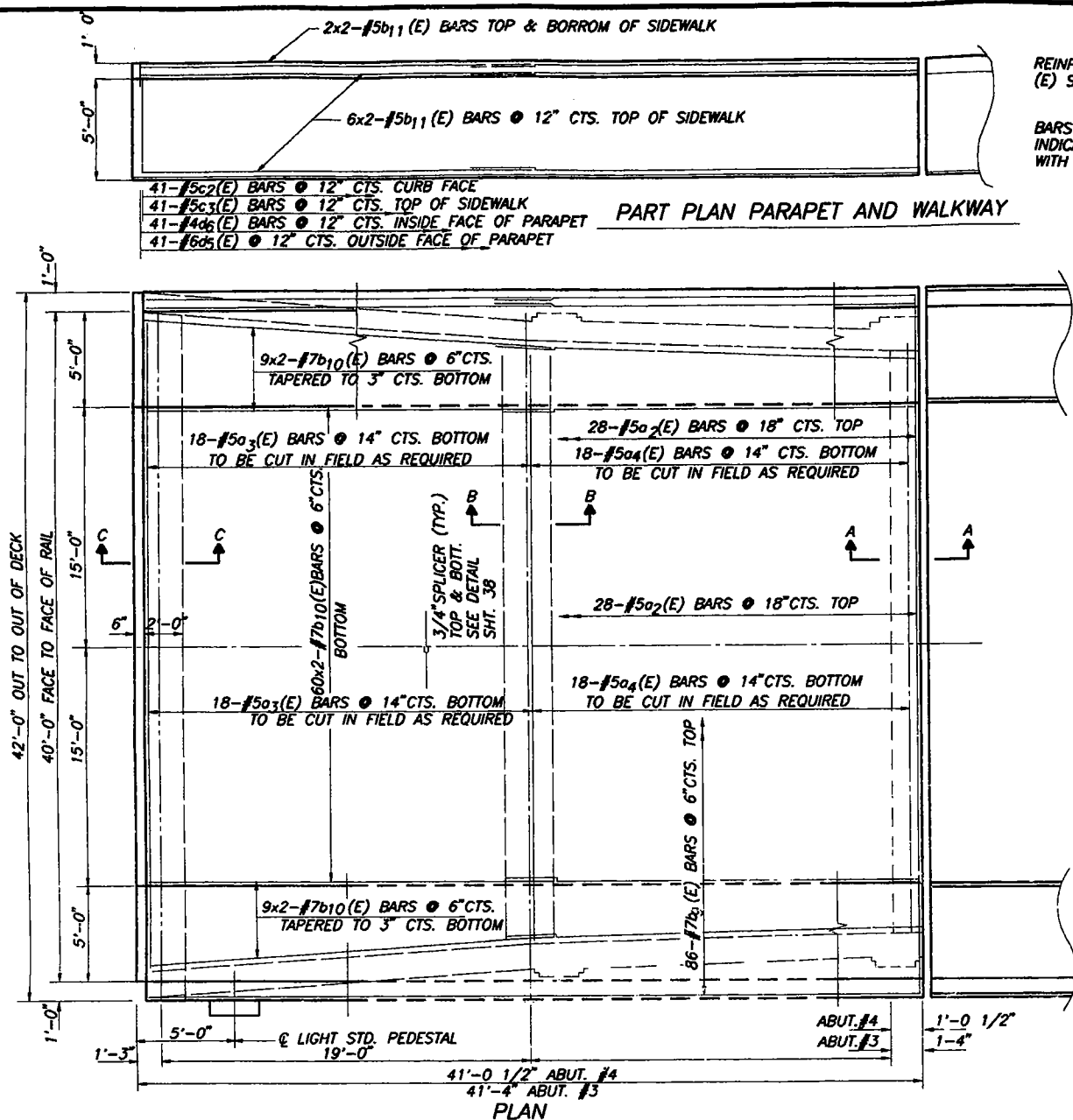


**SUPERSTRUCTURE APPROACH SLABS**  
 VAULTED ABUTMENT NO 1 & 2  
 AVENUE "G" OVER NORTH CHANNEL OF THE ROCK RIVER  
 F.A.U. RTE. 5571 SECTION BD  
 WHITESIDE COUNTY  
 STRUCTURE NO. 098-0051

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 31 44 SHEETS
F.A.U. 5571	BD-1	WHITESIDE	63	45	
FED. RD. DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

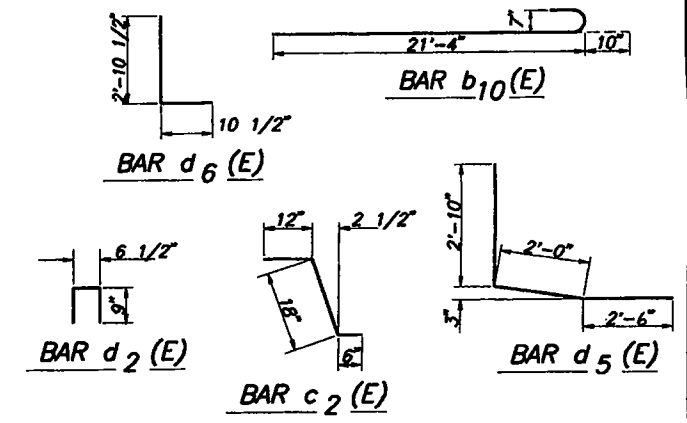
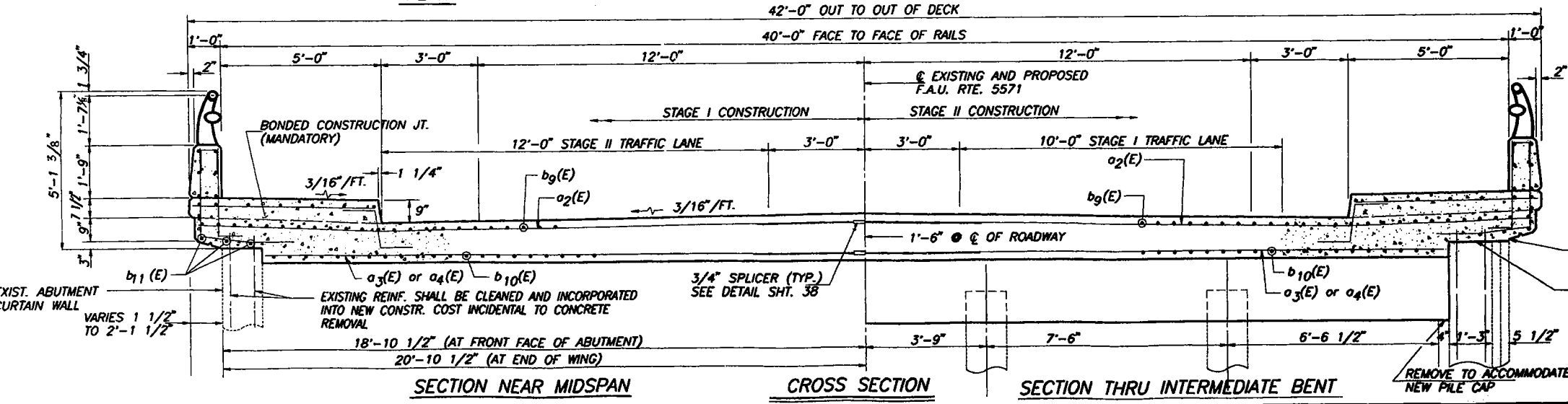
REINFORCEMENT BARS INDICATED (E) SHALL BE EPOXY COATED.

BARS INDICATED THUS 9x2-#8 INDICATES 9 LINES OF BARS WITH 2 BARS PER LINE



**TWO APPROACH SLABS BILL OF MATERIALS**

BAR	NO.	SIZE	LENGTH	SHAPE
a <sub>2</sub> (E)	112	#5	20'-5"	—
a <sub>3</sub> (E)	72	#5	19'-1"	—
a <sub>4</sub> (E)	72	#5	18'-1"	—
b <sub>9</sub> (E)	172	#7	40'-1"	—
b <sub>10</sub> (E)	312	#7	22'-2"	—
b <sub>11</sub> (E)	72	#5	21'-4"	—
c <sub>2</sub> (E)	164	#5	3'-0"	—
c <sub>3</sub> (E)	164	#5	5'-7"	—
d <sub>5</sub> (E)	164	#6	7'-4"	—
d <sub>6</sub> (E)	164	#4	3'-9"	—
d <sub>7</sub> (E)	32	#4	2'-6"	—
d <sub>8</sub> (E)	6	#6	4'-1 1/2"	—
d <sub>9</sub> (E)	10	#6	8'-11"	—
e <sub>3</sub> (E)	48	#4	19'-11"	—
REINFORCEMENT BARS (EPOXY COATED)		LBS.	39,560	
CLASS X CONCRETE		CU.YDS.	210	



**SUPERSTRUCTURE APPROACH SLABS VAULTED ABUTMENT NO. 3 & 4**

AVENUE "G" OVER SOUTH CHANNEL OF THE ROCK RIVER

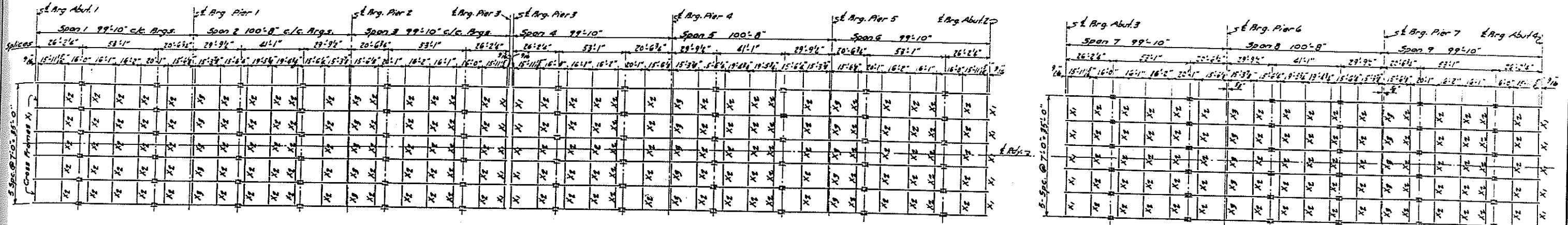
F.A.U. RTE. 5571 SECTION BD-1

WHITESIDE COUNTY

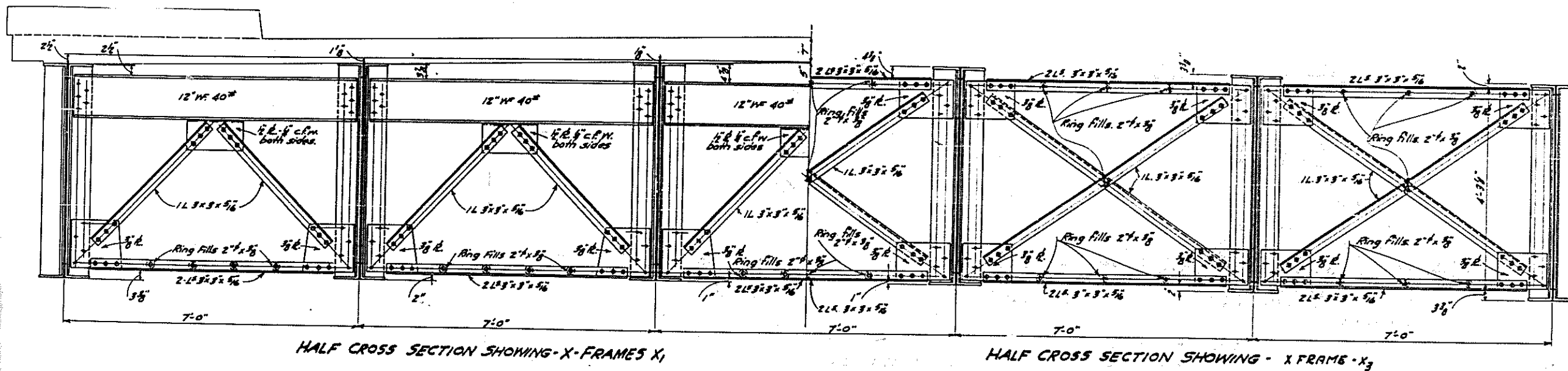
STRUCTURE NO. 098-0052

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

SECTION	DATE	TOTAL SHEETS	SHEET NO.	SHEET NO. OF SHEETS
SENATE BILL NO. 417	W. T. G. DE	50	7	52 SHEETS
PER ROAD DIST. NO. 7	ILLINOIS	PER JOB PROJECT		

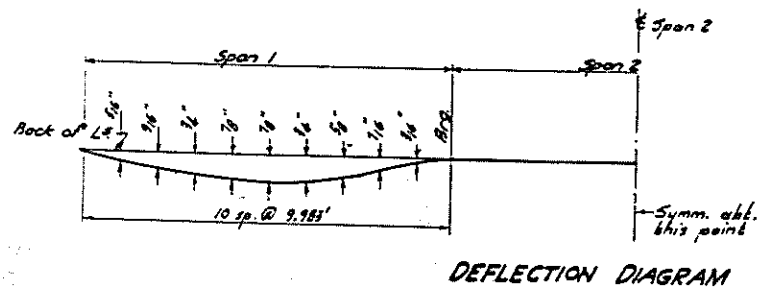


FRAMING PLAN

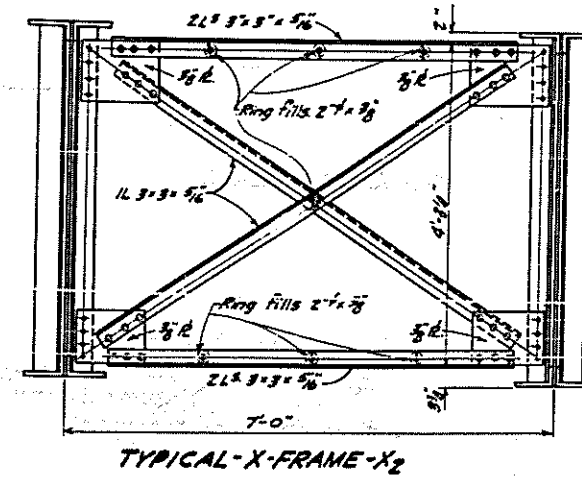


HALF CROSS SECTION SHOWING - X-FRAMES X<sub>1</sub>

HALF CROSS SECTION SHOWING - X-FRAMES X<sub>2</sub>



DEFLECTION DIAGRAM



TYPICAL - X-FRAME - X<sub>2</sub>

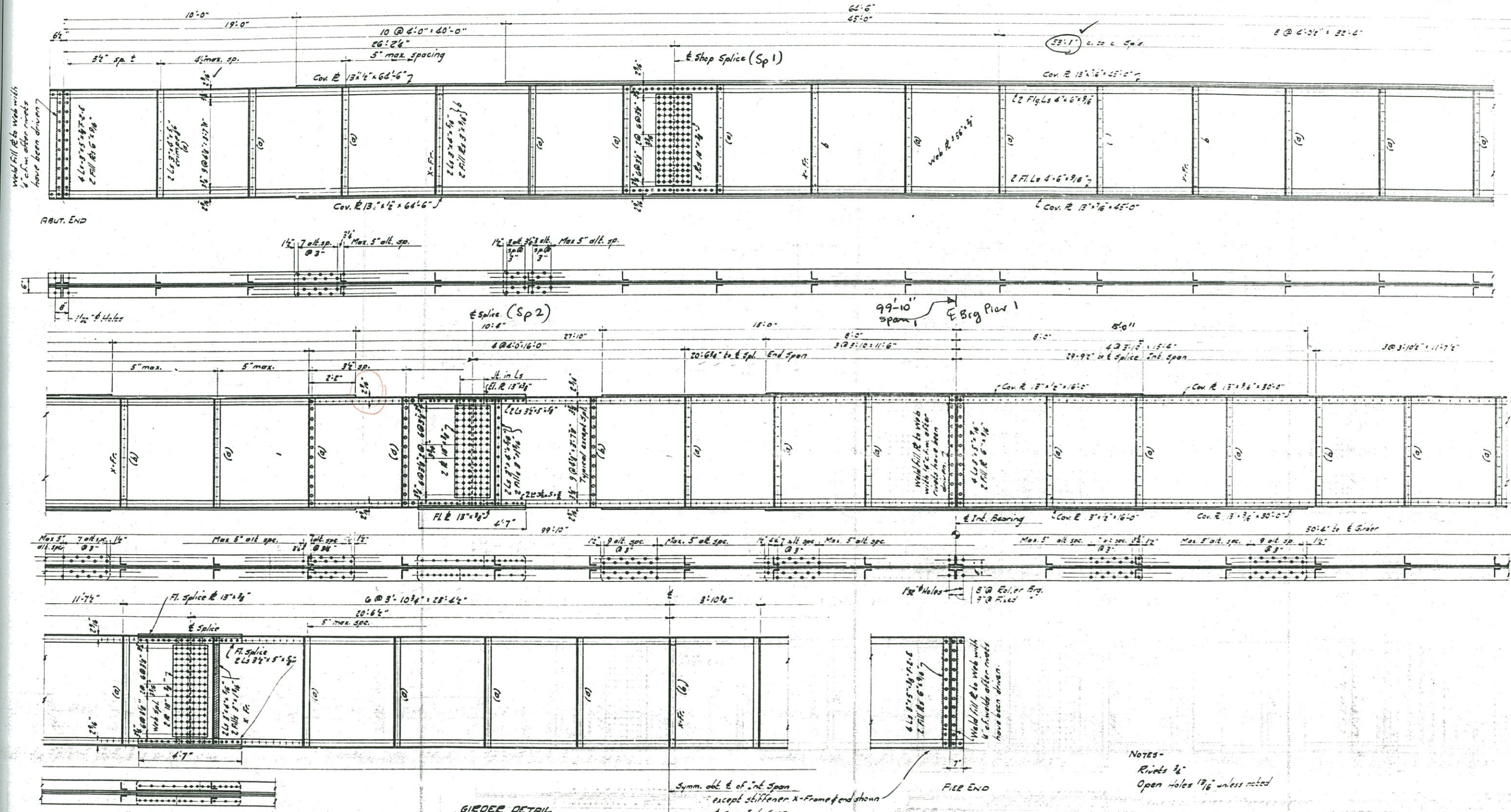
SEC. BF  
SENATE BILL NO 417  
64TH GENERAL ASSEMBLY  
AVENUE "G" - 12TH AVENUE  
STERLING - ROCK FALLS  
WHITESIDE COUNTY

COMPUTED	<i>R. J. ...</i>	EXAMINED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>	PASSED	<i>[Signature]</i>
DRAWN	<i>[Signature]</i>	APPROVED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>		
SPECIAL ASSEMBLED	<i>[Signature]</i>		
CHECKED			



STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
B-F	WHITESIDE	30	6	22 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS - FED. AID PROJECT		



STANDARD	COMPUTED	EXAMINED	19-19
CHECKED	W. F. Franzen	SEN. ENGR. H. P. FRY	
DRAWN	R. H. Smith	PASSED	W. F. Franzen
CHECKED	J. J. F.	APPROVED	W. F. Franzen
SPECIAL	ASSEMBLED		
CHECKED			

NOTES-  
Rivets 3/4"  
Open Holes 1 7/16" unless noted

SEC. B-F  
SENATE BILL NO 417  
64TH GENERAL ASSEMBLY  
AVENUE G - 12TH AVENUE  
STERLING - ROCK FALLS  
WHITESIDE COUNTY