

03-08-13 LETTING ITEM 015

INDEX OF SHEETS

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- 7-10. STRUCTURE PLANS FOR STRUCTURE NO. 078-0001

STANDARDS

- 701101-03 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24' (800 mm) FROM PAVEMENT EDGE
- 701400-06 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701402-09 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
- 701426-05 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701901-02 TRAFFIC CONTROL DEVICES
- 704001-07 TEMPORARY CONCRETE BARRIER

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

F.A.I. ROUTE 180 (I-180)  
SECTION (06-3,78-1)PM

**CLEANING AND PAINTING STRUCTURAL STEEL  
STRUCTURE NO. 078-0001  
OVER THE ILLINOIS RIVER NEAR HENNEPIN  
BUREAU COUNTY**

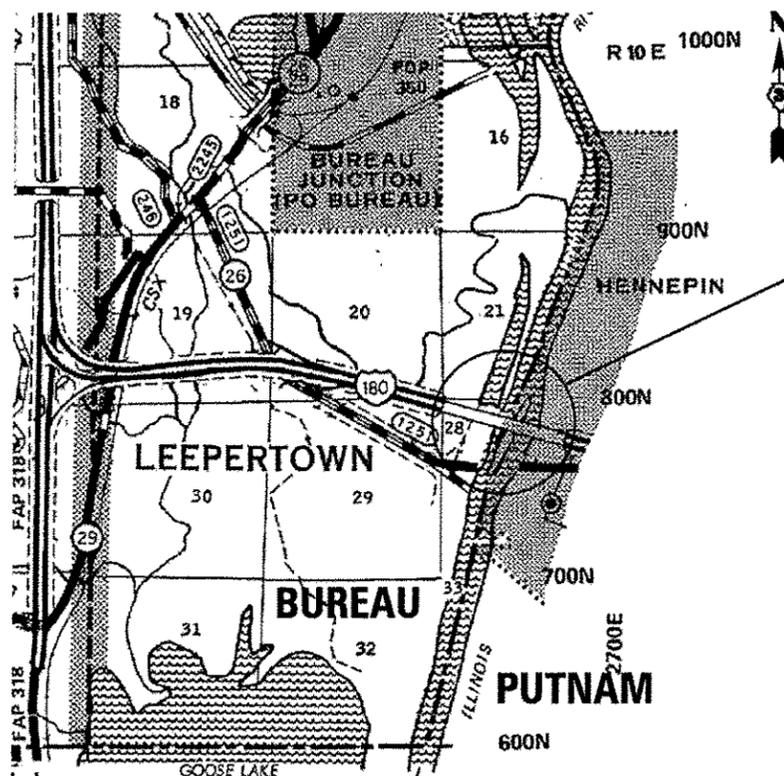
C-93-014-13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-3,78-1)PM	BUREAU	10	1
		ILLINOIS	CONTRACT NO. 66C56	

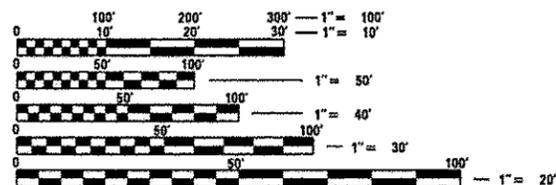


RURAL	
INTERSTATE	
FAI 180 (I-180)	
2011	
ADT	2650
P.V.	81.14%
S.U.	9.43%
M.U.	9.43%

**PROJECT LOCATION**  
STRUCTURE NO. 078-0001  
STA. 69 + 29.50



GROSS LENGTH = 3083 FT. = 0.580 MILE  
NET LENGTH = 40 FT. = 0.008 MILE



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

DISTRICT NO. 3 (815) 434-6131

PROJECT ENGINEER: JOE KANNEL P.E.  
PROJECT MANAGER: RON WOODSHANK  
TOWNSHIP: LEEPERTOWN

CONTRACT NO. 66C56

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Dec. 13 2012  
*Paul C. [Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Feb 1 2013  
*John D. Baranzelli, P.E. /cc*  
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 1 2013  
*Omer C. Man, P.E. /cc*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

**GENERAL NOTES**

**COMMITMENTS**

PLAN DIMENSIONS AND DETAILS HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING THE UNIT BID PRICE FOR THE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123 OR 811 A MINIMUM OF FORTY EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL PROTECT THE ELECTRICAL CABLE FROM DAMAGE DUE TO HIS CONSTRUCTION OPERATIONS. ALL DAMAGE TO THE DEPARTMENT OWNED ELECTRICAL CABLE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS OBTAINED TO MAKE PERMANENT REPAIRS. SPlicing OF ELECTRICAL CABLE SHALL NOT BE ALLOWED. ELECTRICAL CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE CONTRACTOR BEGINS CLEANING AND PAINTING OPERATIONS. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS SO THAT DAMAGE FROM THE CONTRACTORS CLEANING AND PAINTING OPERATIONS DOES NOT OCCUR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH AND SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS(HER) OPERATIONS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL BE REQUIRED TO SECURE WASTE CONTAINERS THAT REMAIN ON THE JOB SITE. THIS WILL ENTAIL THAT ALL WASTE CONTAINERS CANNOT BE MOVED OR OPENED DURING NON-WORKING HOURS.

WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LISCENSED TO DISPOSE OF LEAD PAINT RESIDUE HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES.

THE EXISTING STRUCTURAL STEEL ON STRUCTURE NO. 078-0001 CONTAINS LEAD. THE CONTRACTOR SHOULD TAKE PERCAUTIONS TO DEAL WITH THE LEAD PAINT ON THIS PROJECT.

THE SSPC-OP1 AND SSPC-OP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.

**PIER 9**

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL EXTERIOR AND INTERIOR SURFACES OF ALL GIRDERS, DIAPHRAGMS, CROSS FRAMES, AND STIFFENERS WITHIN 12' (AS MEASURED FROM THE CENTERLINE OF PIER IN EACH DIRECTION ALONG THE CENTERLINE OF GIRDER) INCLUDING ALL STRUCTURAL STEEL ASSOCIATED WITH EXISTING BEARINGS AND ALL OTHER STEEL COMPONENTS SHALL BE CLEANED PER "NEAR WHITE BLAST CLEANING - SSPC10". ALL CLEANED STEEL SHALL BE PAINTED ACCORDING THE THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U". THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR SURFACES SHALL BE "GRAY, MUNSELL NO. 5B 7/1". THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR SURFACES SHALL BE "GREEN, MUNSELL NO. 7.5G 4/8"

**PIER 12**

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL EXTERIOR AND INTERIOR SURFACES OF THE GIRDERS, DIAPHRAGMS, CROSS FRAMES, AND STIFFENERS WITHIN 12' (AS MEASURED FROM THE CENTERLINE OF PIER ALONG THE CENTERLINE OF GIRDER) INCLUDING ALL STRUCTURAL STEEL ASSOCIATED WITH EXISTING BEARINGS AND ALL OTHER STEEL COMPONENTS SHALL BE CLEANED PER "NEAR WHITE BLAST CLEANING - SSPC10". ALL CLEANED STEEL SHALL BE PAINTED ACCORDING THE THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U". THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR SURFACES SHALL BE "GRAY, MUNSELL NO. 5B 7/1". THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR SURFACES SHALL BE "GREEN, MUNSELL NO. 7.5G 4/8"

DATE: 12-13-12

PREPARED BY: [Signature]  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: [Signature]  
DISTRICT CONSTRUCTION ENGINEER

[Signature]  
DISTRICT MATERIALS ENGINEER

[Signature]  
DISTRICT OPERATIONS ENGINEER

Rev.

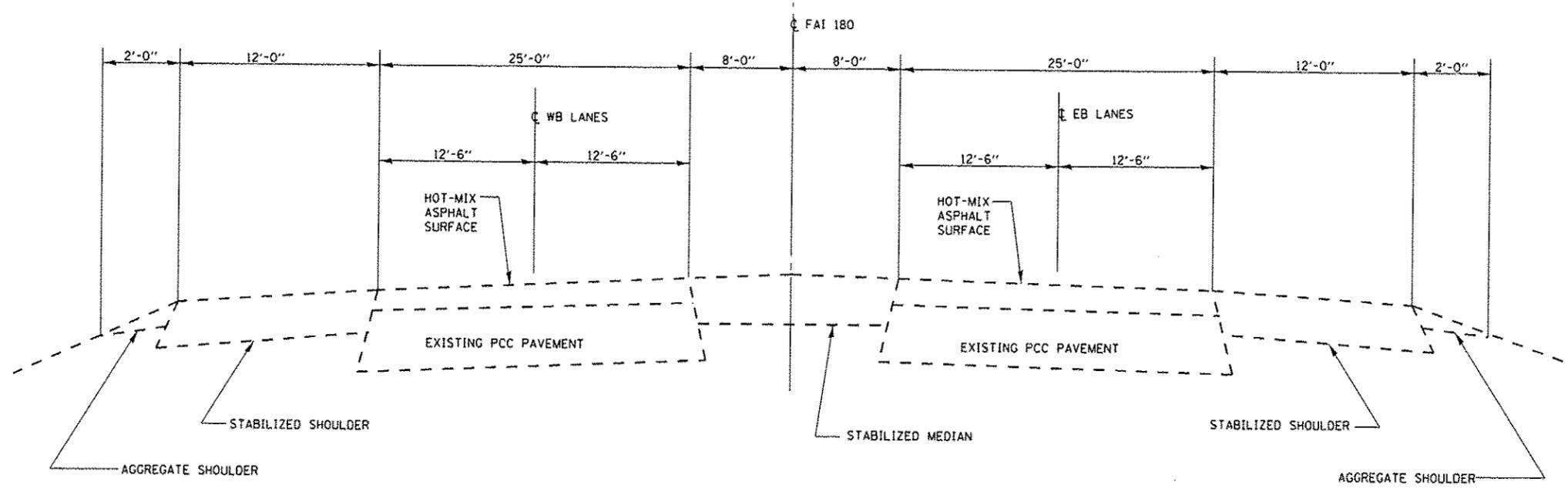
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ANODELNAME*	PLOT DATE * 11/15/2012	CHECKED -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 66C56
		DATE -	REVISED -							(ILLINOIS) FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				STATE FUNDS 100% STATE STRUCTURE 0014 RURAL
<del>50606701</del>	<del>CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>
50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1	1
67100100	MOBILIZATION	L SUM	1	1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	845	845
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	845	845
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1200	1200
78300100	PAVEMENT MARKING REMOVAL	SQ FT	600	600
<del>X5067501</del>	<del>BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>
<del>X5067502</del>	<del>BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
<del>Z0007102</del>	<del>CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1

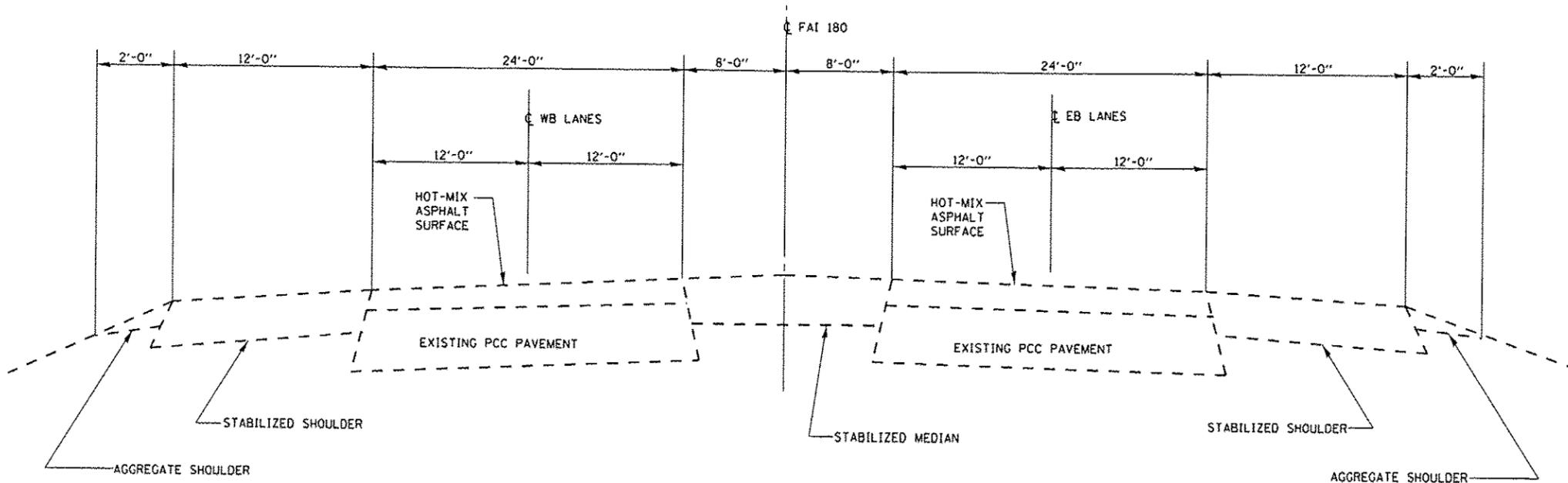
\* SPECIALITY ITEM

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	PLOT DATE :	DATE :	REVISED :			TO STA.		ILLINOIS FED. AID PROJECT		

Rev.

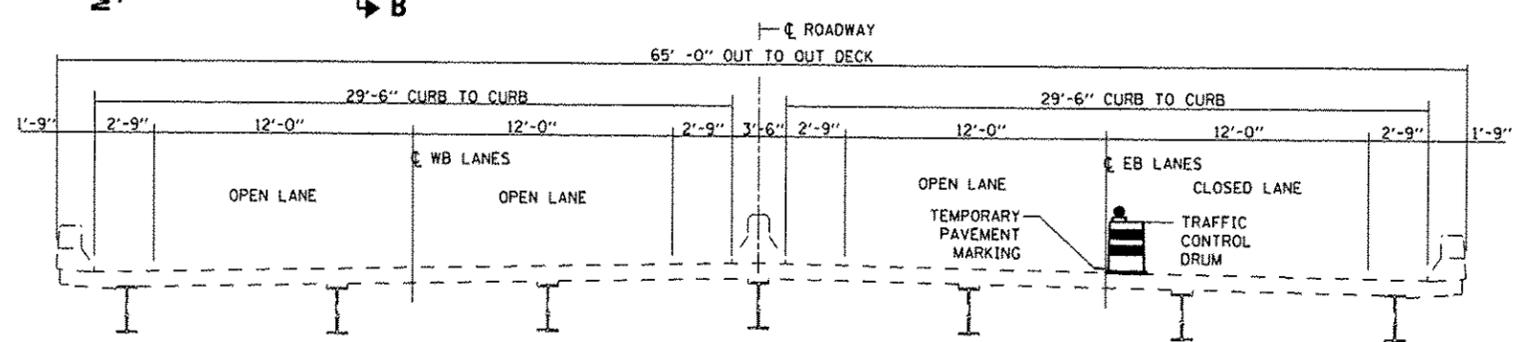
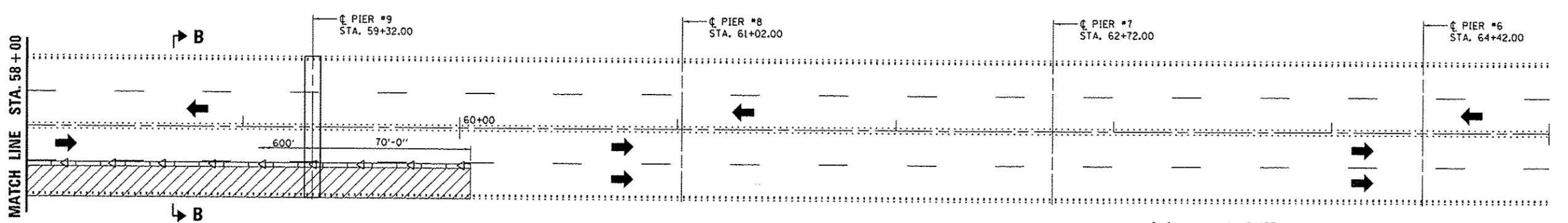
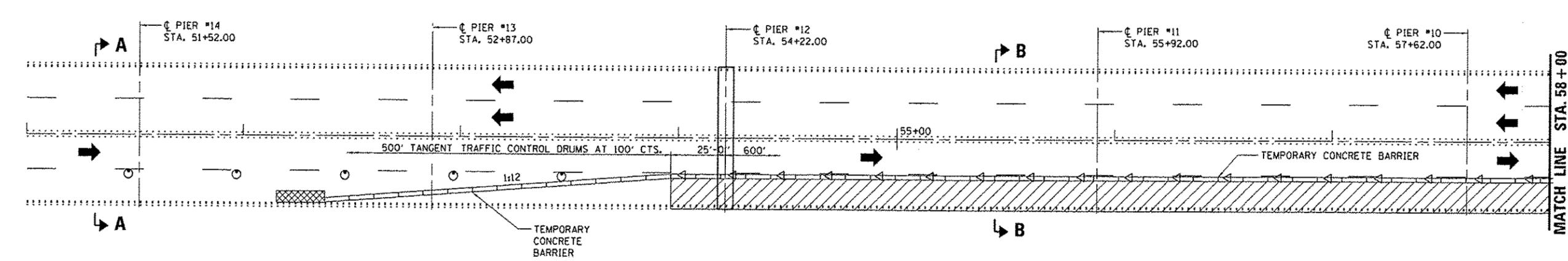


**TYPICAL SECTION  
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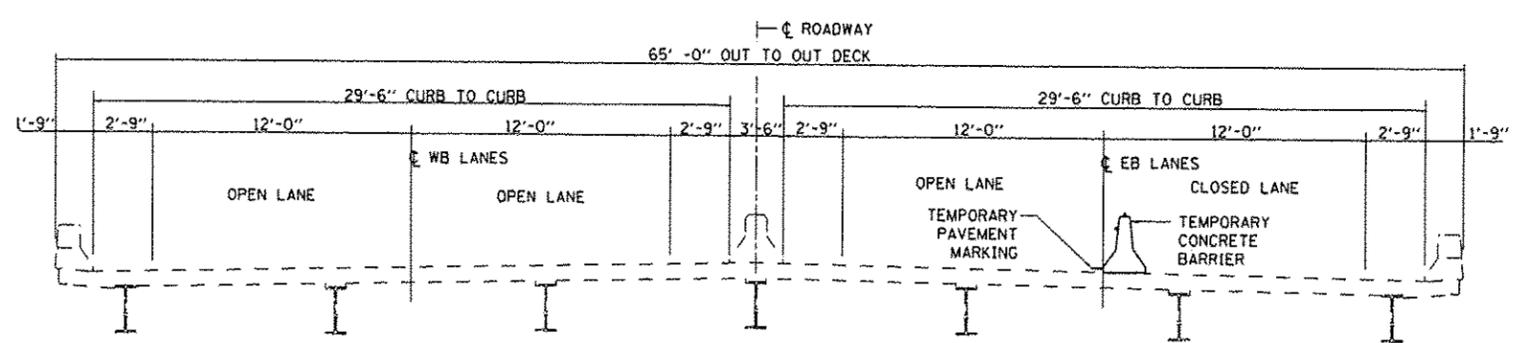


**TYPICAL SECTION  
EAST OF ILLINOIS RIVER**

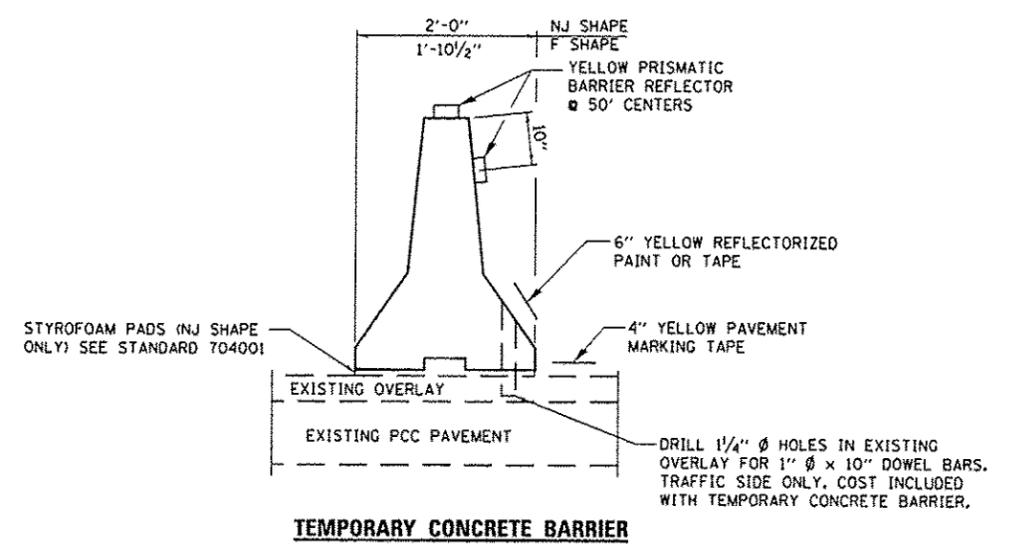
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MODELNAME#	PLT SCALE = 1/8" = 100.0000' / 1"	CHECKED -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 66C56		ILLINOIS FED. AID PROJECT		
	PLT DATE = 11/15/2012	DATE -	REVISED -								



**SECTION A-A**  
STAGE I  
LOOKING EAST



**SECTION B-B**  
STAGE I  
LOOKING EAST



**TEMPORARY CONCRETE BARRIER**

- SYMBOLS**
- Work area
  - Drum, with steady burn monodirectional light
  - Temporary concrete barrier
  - Monodirectional barrier wall/guardrail marker
  - Impact attenuator

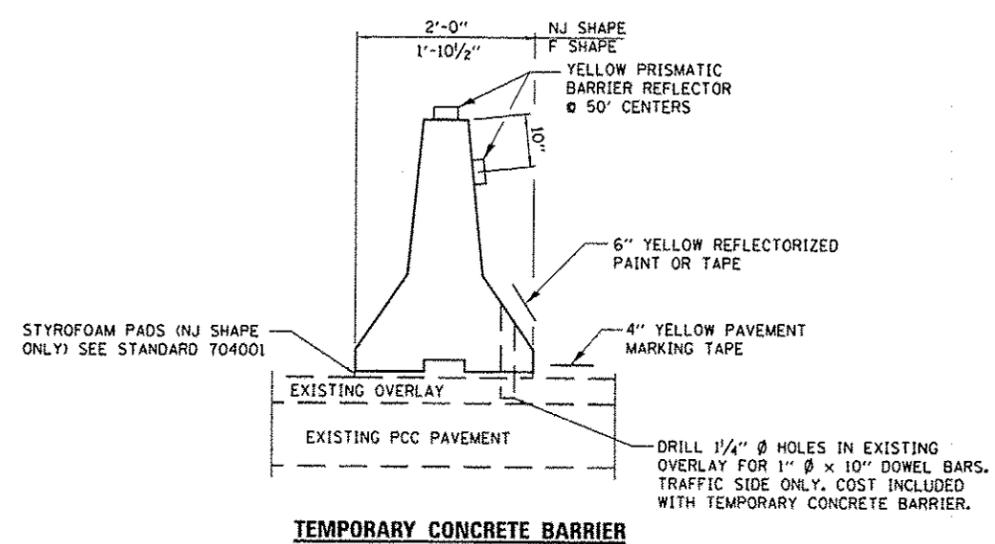
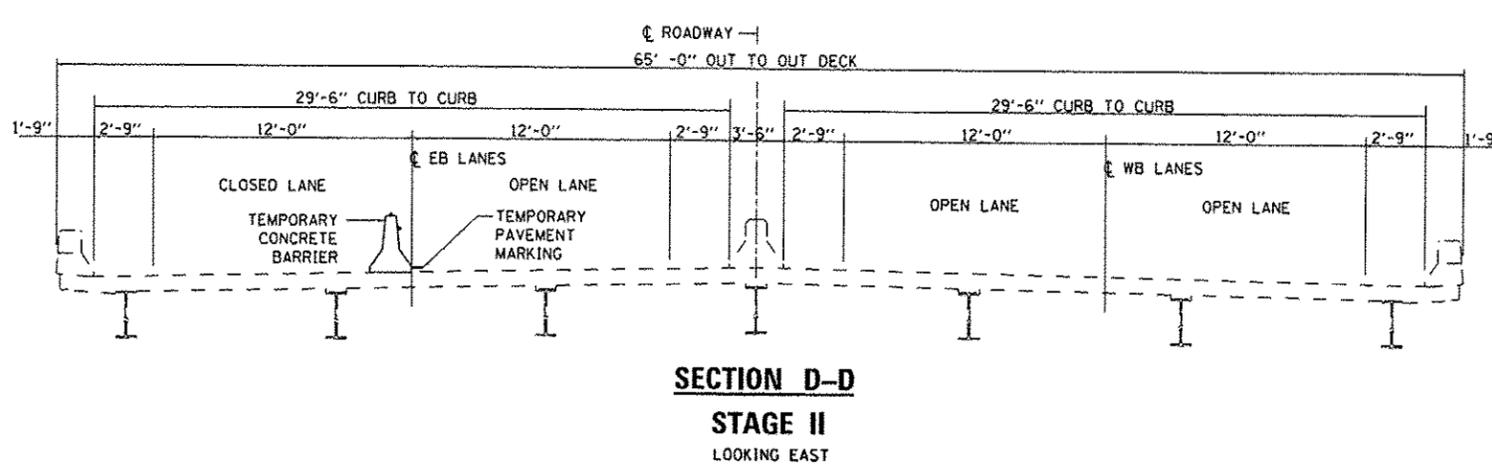
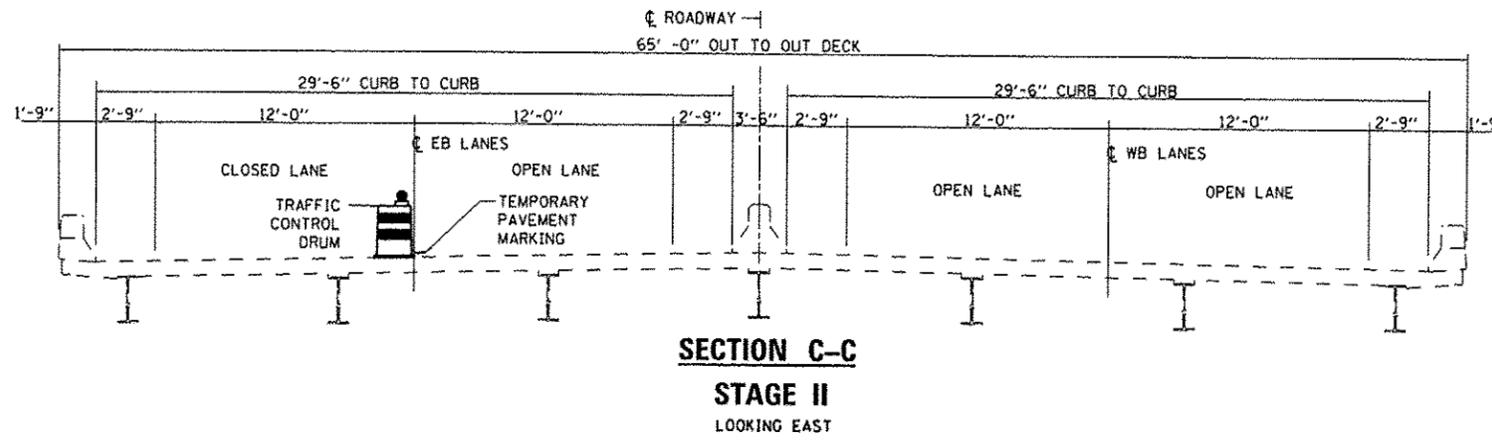
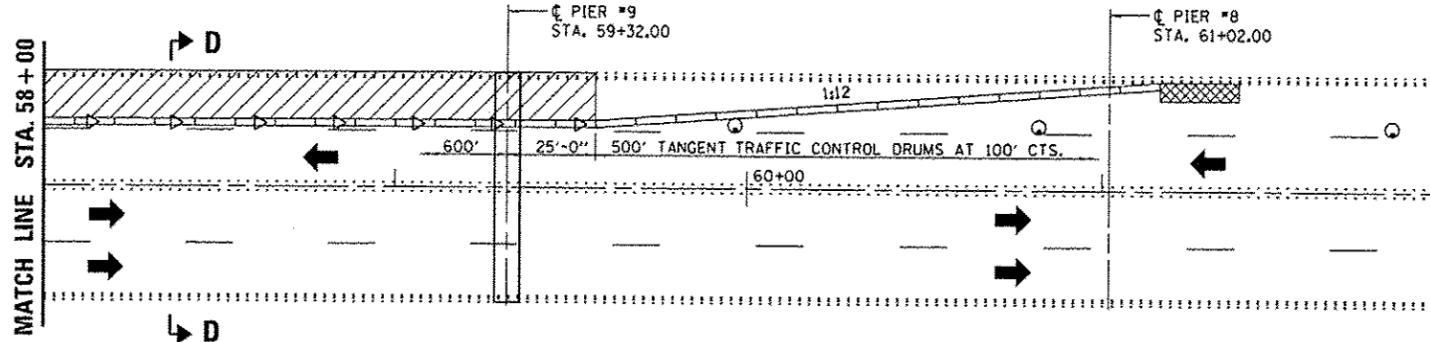
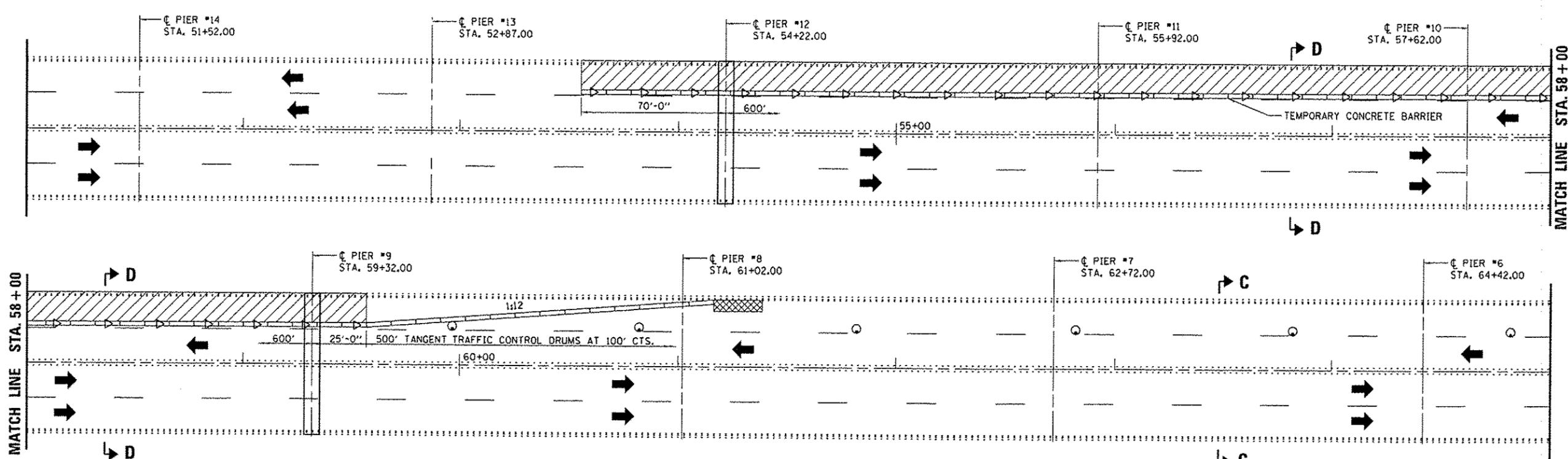
**GENERAL NOTES**

This standard is used where at any time any vehicle, equipment, workers or their activities will encroach on the pavement or on the shoulder within 24 (600) of the edge of pavement for day light operation exceeding one day and where temporary concrete barrier is utilized.

This Standard must always be used in combination with Standard 701402.

When work is being performed in the left lane, the set up would be a mirror image to what is shown.

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING DETAILS - STAGE I FOR STRUCTURE NO. 078-0001</b>	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 11/15/2012	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



- SYMBOLS**
- Work area
  - Drum, with steady burn monodirectional light
  - Temporary concrete barrier
  - Monodirectional barrier wall/guardrail marker
  - Impact attenuator

**GENERAL NOTES**

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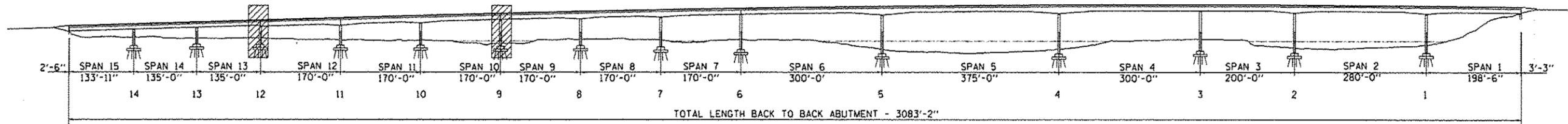
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	PLOT DATE = 11/15/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

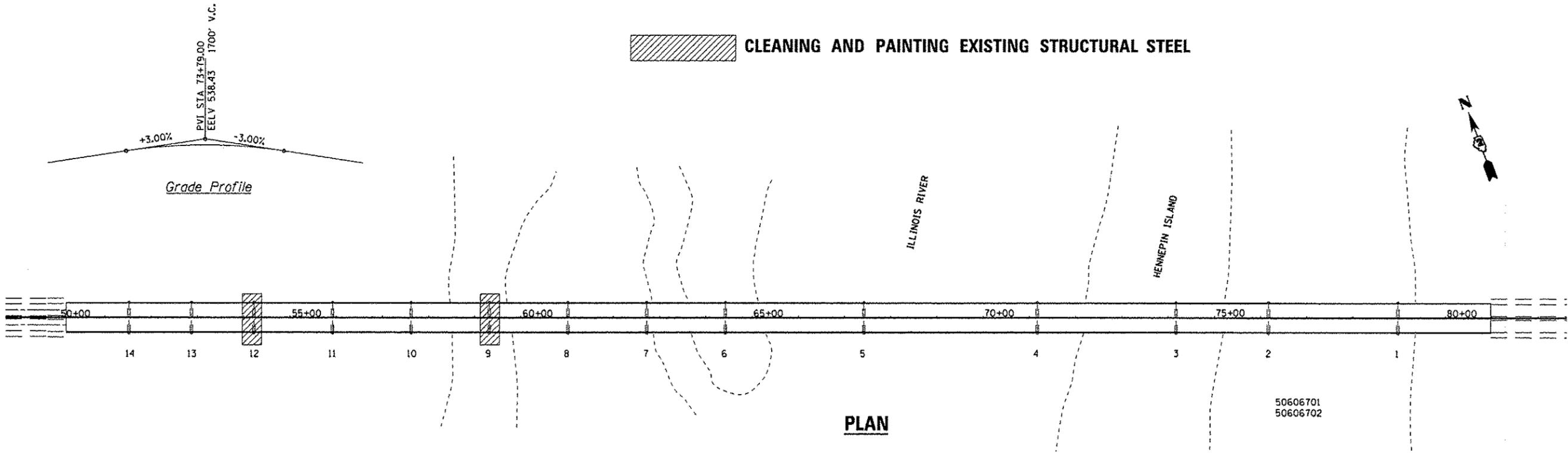
**STAGING DETAILS - STAGE II  
FOR STRUCTURE NO. 078-0001**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

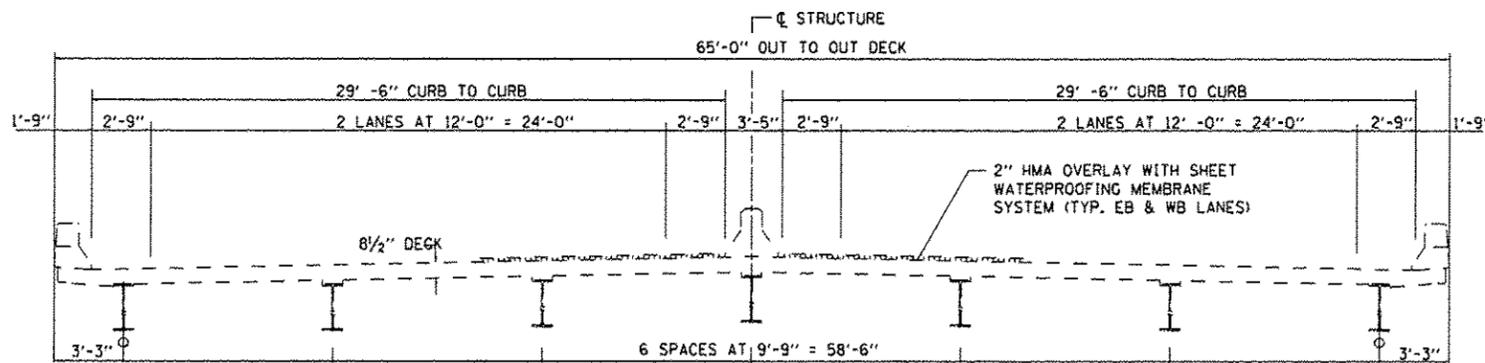
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180	106-3,78-11PM	BUREAU	10	6
CONTRACT NO. 66C56			ILLINOIS FED. AID PROJECT	



**ELEVATION**



**PLAN**



**CROSS SECTION**

**TOTAL BILL OF MATERIAL**

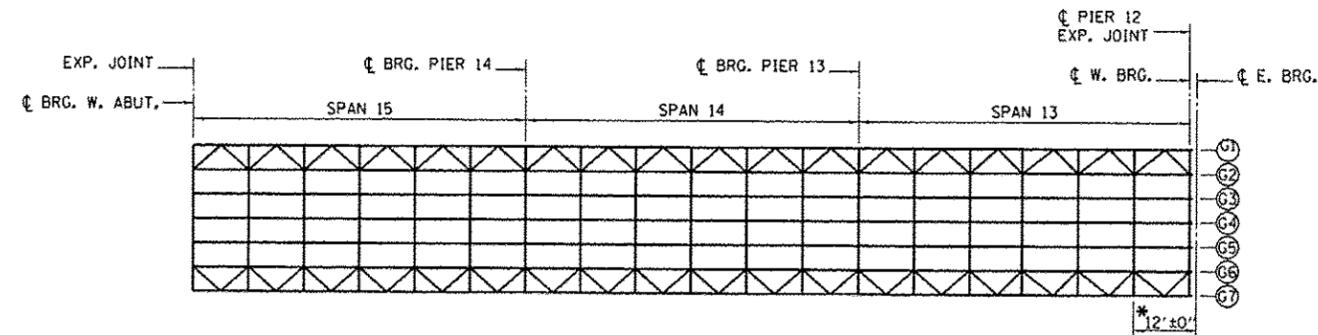
ITEM	UNIT	SUPER	SUB	TOTAL
CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L. SUM	1		1

FILE NAME :	USER NAME : woodshankr1	DESIGNED - RW	REVISED -
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MODEL NAME :	PLOT DATE : 1/14/2013	DATE -	REVISED -

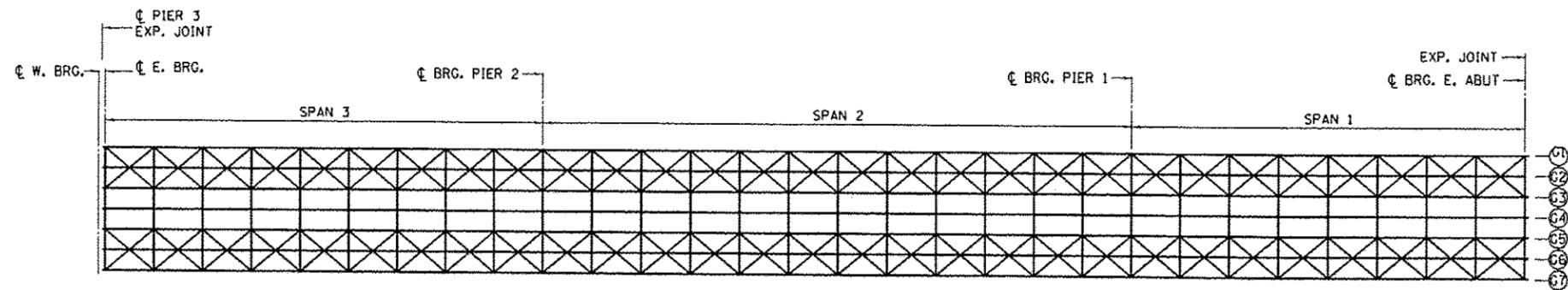
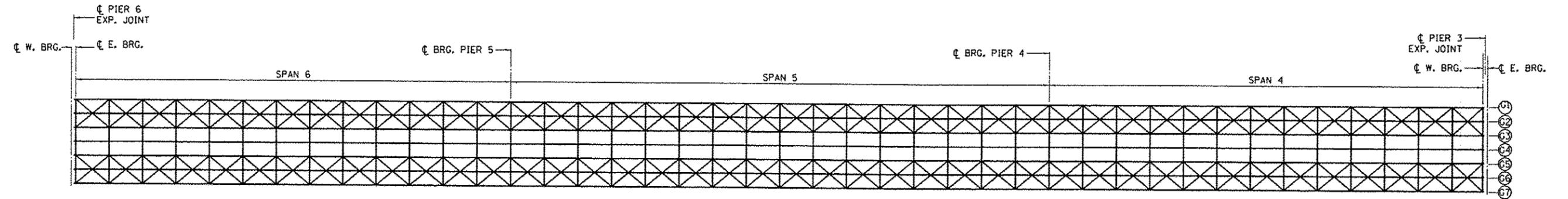
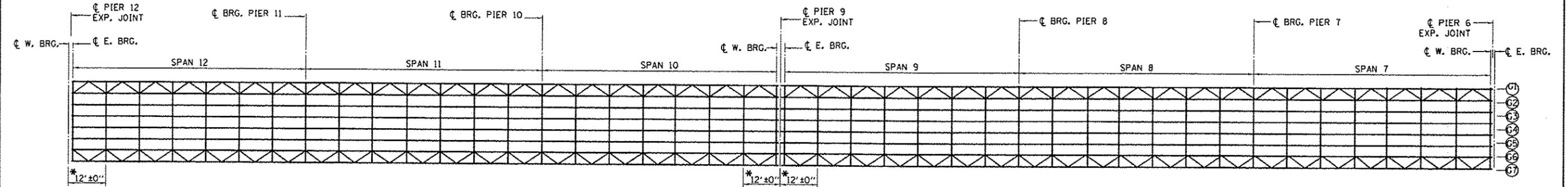
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
FOR STRUCTURE NO. 078-0001

F.A.I. RTE. 180	SECTION 106-3.78-1PM	COUNTY BUREAU	TOTAL SHEETS 10	SHEET NO. 7
SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 66C56	
ILLINOIS FED. AID PROJECT				



\* CLEANING AND PAINTING STRUCTURAL STEEL LIMITS



FILE NAME :	USER NAME : woodshankr1	DESIGNED - RW	REVISED -
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	PLOT DATE = 11/15/2012	DATE -	REVISED -

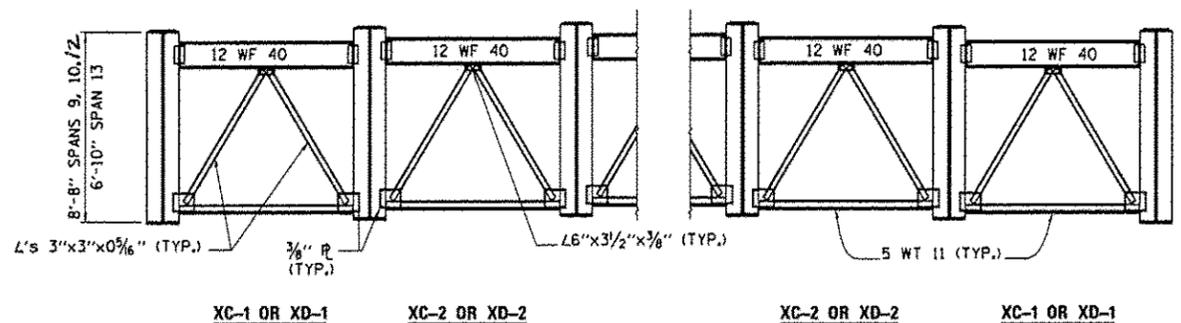
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN  
FOR STRUCTURE NO. 078-0001

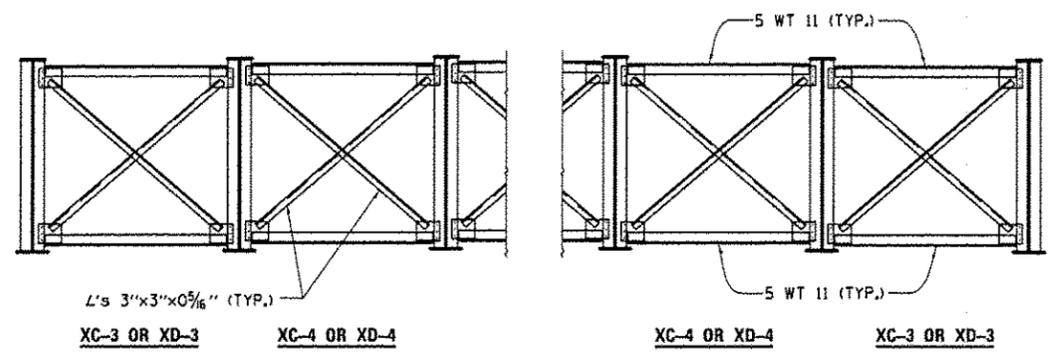
SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-3,78-1)PM	BUREAU	10	8
CONTRACT NO. 66C56			ILLINOIS FED. AID PROJECT	

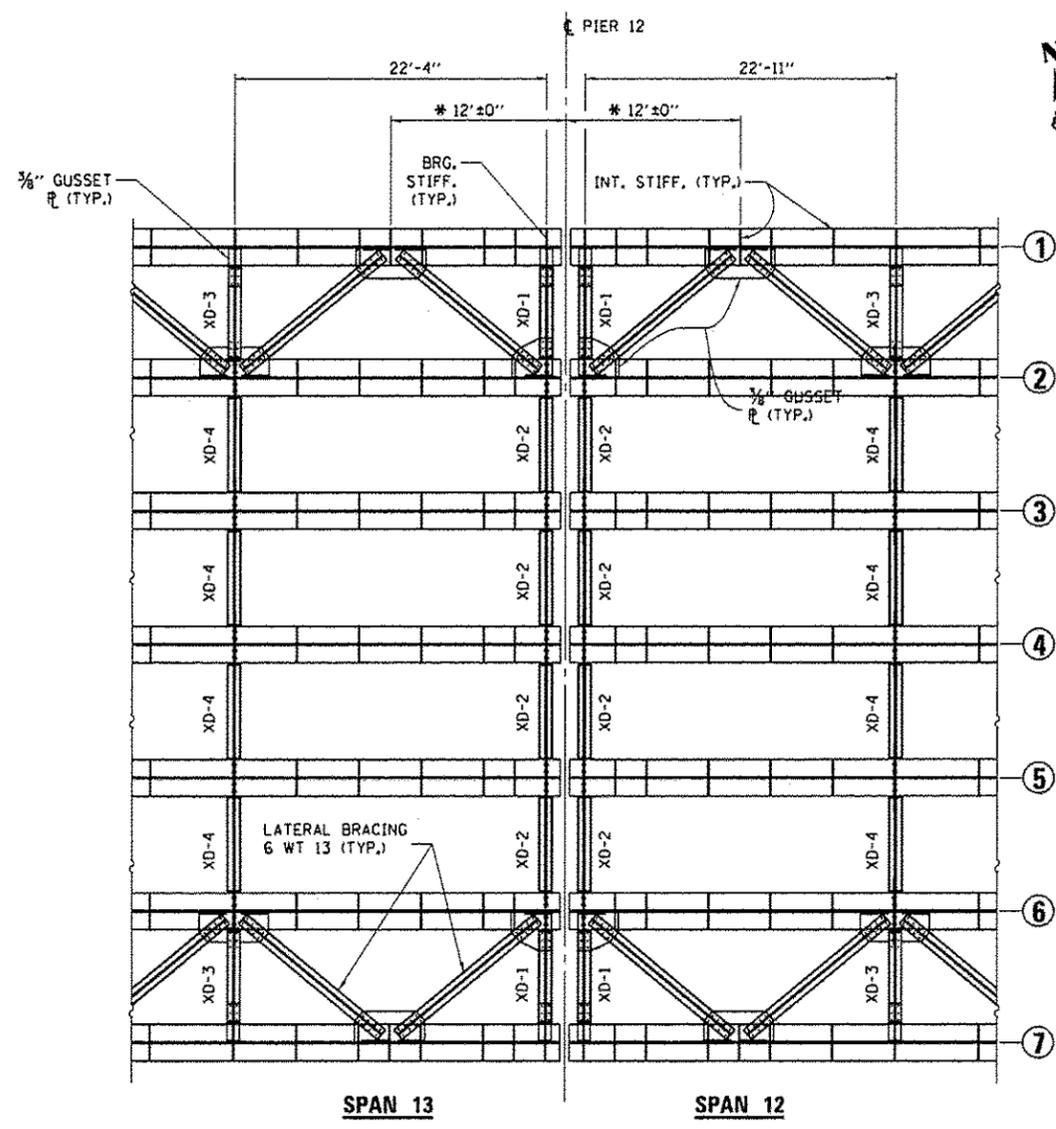




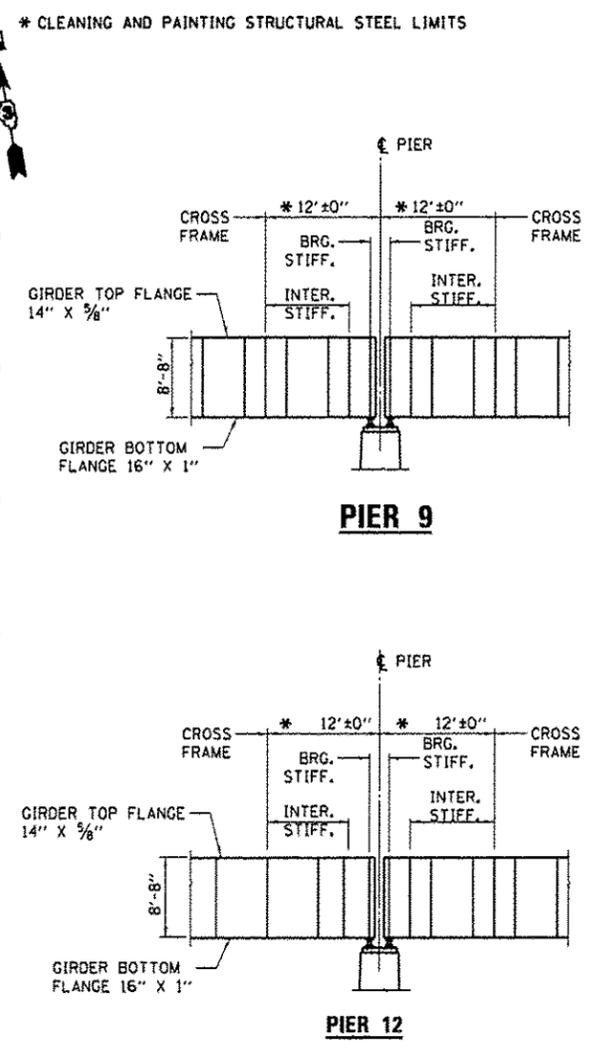
**END CROSS FRAME  
PIER 9 OR PIER 12**



**INTERMEDIATE CROSS FRAME  
PIER 9 OR PIER 12**

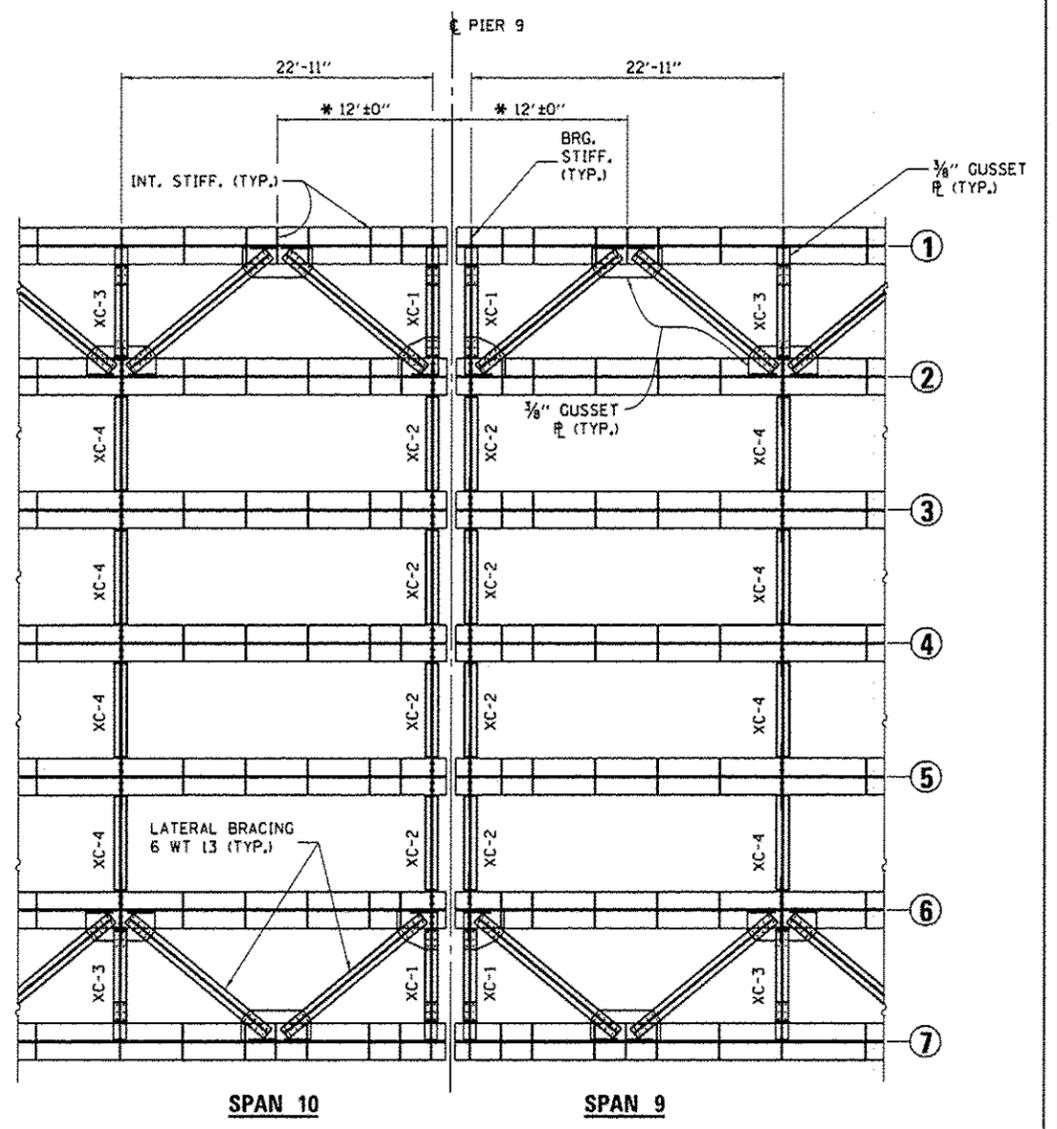


**PLAN  
AT PIER 12**



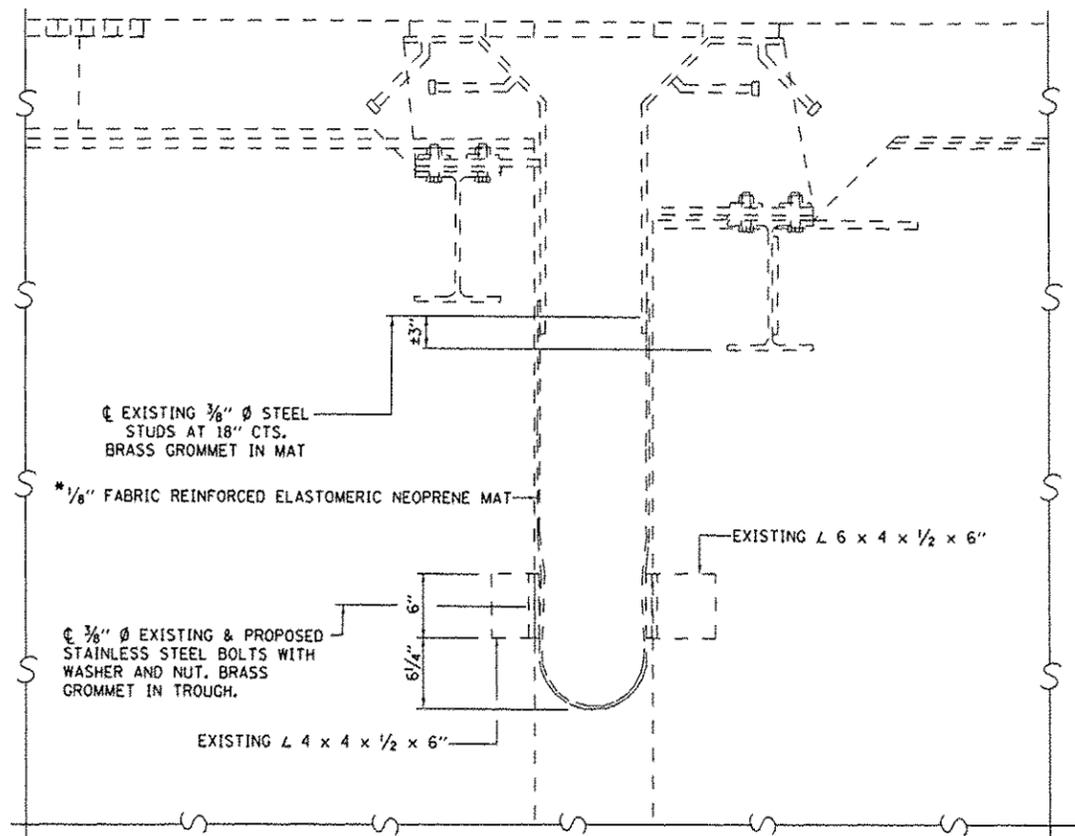
**PIER 9**

**PIER 12**



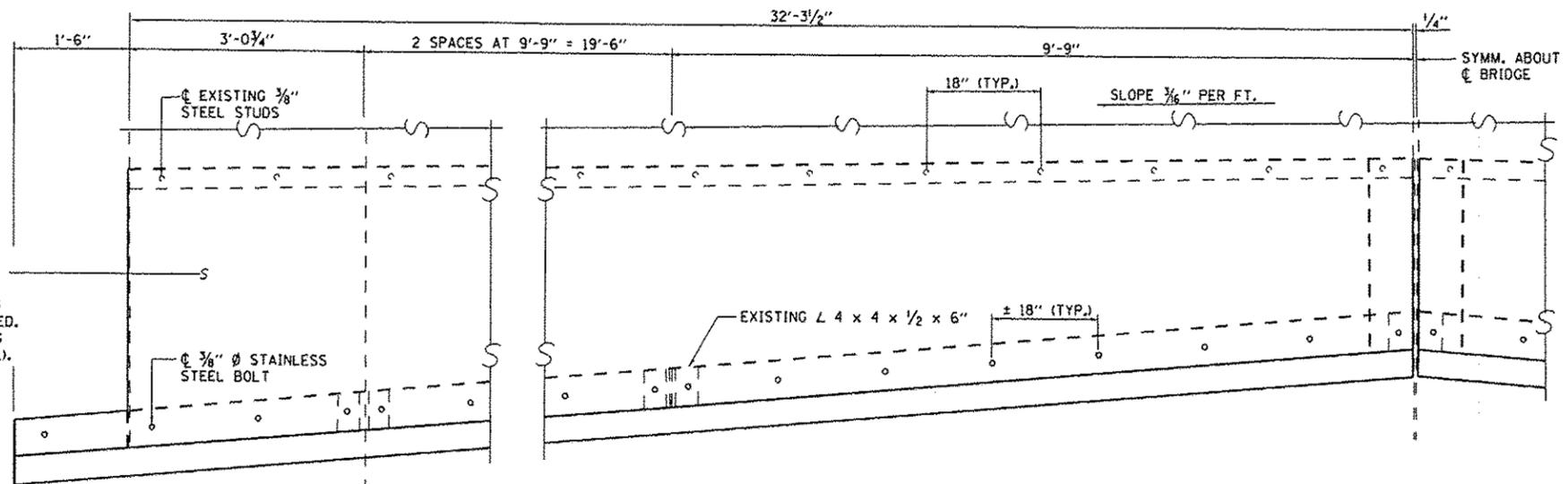
**PLAN  
AT PIER 9**

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PL0T SCALE: 1/8"=1'-0"	PL0T DATE: 1/18/2013	DRAWN: RW	REVISED: -			180	06-3,7B-11PM	BUREAU:	10	9	
MODEL NAME:		CHECKED: -	REVISED: -			SCALE:	SHEET 3 OF 4 SHEETS	STA.:	TO STA.:	CONTRACT NO. 66C56	
		DATE: -	REVISED: -					ILLINOIS FED. AID PROJECT			



**CROSS SECTION AT PIERS 9 & 12**

\* REMOVE AND REINSTALL EXISTING NEOPRENE MATS WHEN REQUIRED TO PROVIDE ACCESS TO EXISTING STRUCTURAL STEEL TO BE PAINTED. (COST INCLUDED IN THE CLEANING AND PAINTING STRUCTURAL STEEL).



**HALF ELEVATION**

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT DETAILS AT PIER 9 & 12 FOR STRUCTURE NO. 078-0001	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwwork\pwwork\woodshankr1\0314761\066C56-shr-deta1.s.dgn	PLOT SCALE = 100.0000' / in.	DRAWN - RW	REVISED -			180	(06-3,78-1)PM	BUREAU	10	10	
#MODELNAME#	PLOT DATE = 11/15/2012	CHECKED -	REVISED -			SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.		CONTRACT NO. 66C56			
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					