

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.I. ROUTE 57 (I-57)  
SECTION (38-7HB-1)BP

**CLEANING AND PAINTING STRUCTURAL STEEL  
STRUCTURE NO. 038-0126  
TR 26A OVER FAI 57  
0.773 MILES NORTH OF BUCKLEY INTERCHANGE  
IROQUOIS COUNTY**

C-93-021-13

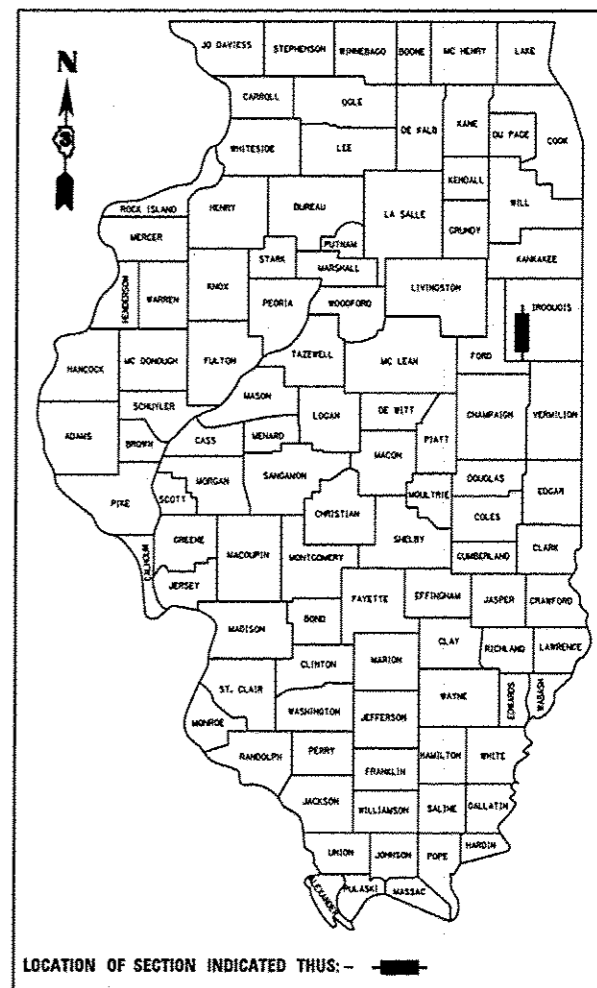
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(38-7HB-1)BP	IROQUOIS	8	1
		ILLINOIS	CONTRACT NO. 66C60	

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTION
5. TRAFFIC CONTROL AND PROTECTION, STANDARD 701400 (SPECIAL)
6. TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)
7. GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 038-0126
8. STRUCTURAL STEEL DETAILS FOR STRUCTURE NO. 038-0126

**STANDARDS**

- 701006-04 OFF-ROAD OPERATIONS 2L, 2W, 16' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-03 OFF-ROAD OPERATIONS MULTILANE, 16' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701426-05 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701901-02 TRAFFIC CONTROL DEVICES
- 704001-07 TEMPORARY CONCRETE BARRIER

D-93-022-13



RURAL	
INTERSTATE	
FAI 57 (I-57)	
2011	
ADT	14900
P.V.	63.76%
S.U.	2.68%
M.U.	33.56%

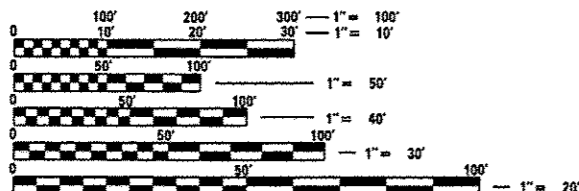
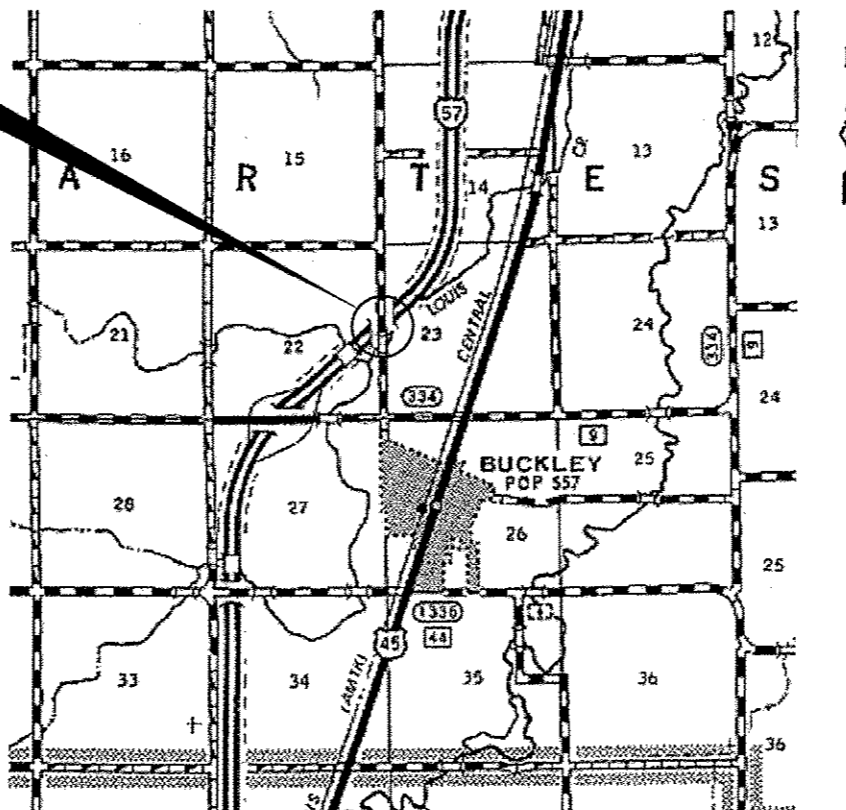
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Dec. 13 20 12  
*Paul [Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Feb 1 20 13  
*John D. Baranzelli, PE*  
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 1 20 13  
*Omer Osman, P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PROJECT LOCATION**  
STA. 1176 + 26.51



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.  
UNIT CHEF: RON WOODSHANK  
TOWNSHIP: ARTESIA

CONTRACT NO. 66C60

GROSS LENGTH = 330 FT. = 0.063 MILE  
NET LENGTH = 330 FT. = 0.063 MILE

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

**GENERAL NOTES**

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED UPON THE UNIT BID FOR THE WORK.

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

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. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD 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 CAN NOT BE MOVED OR OPENED DURING NON-WORKING HOURS.

THE EXISTING STRUCTURAL STEEL CONTAINS LEAD. THE CONTRACTOR SHOULD TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD PAINT ON THIS PROJECT.

IF THE CONTRACTOR/SUBCONTRACTOR LISCENSED TO DISPOSE OF LEAD PAINT RESIDUE FAILS TO DISPOSE OF PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT THE PAINT RESIDUES HAVE BEEN PROPERLY DISPOSED OF.

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

**STRUCTURE NO. 038-0126**

ALL EXISTING STEEL, INCLUDING BEAMS, DIAPHRAGMS, ANGLES, BEARINGS (AND ALL COMPONENTS) ETC. SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING, SSPC-SPI0. ALL EXISTING STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/EU. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF FASCIA BEAMS SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.

**COMMITMENTS**

DATE: 12-13-12

PREPARED BY: Don Baumil  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Heidi Jones  
DISTRICT CONSTRUCTION ENGINEER

[Signature]  
DISTRICT MATERIALS ENGINEER

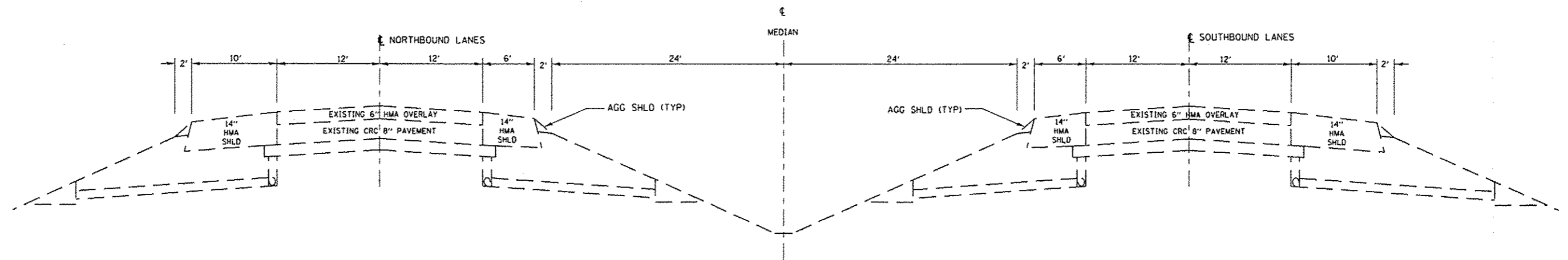
[Signature]  
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME * petelyj	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\petelyj\038191819\03866	38-shr-details.dgn	DRAWN - RW	REVISED -			57	(38-7HB-1)BP	IROQUOIS	8	2	
	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -			CONTRACT NO. 66C60					
#MODELNAME#	PLOT DATE = 12/12/2012	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				STATE FUNDS 100% STATE STRUCTURE 0014 RURAL
50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1	1
67100100	MOBILIZATION	L SUM	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	230	230
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	690	690
78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	395	395
78300100	PAVEMENT MARKING REMOVAL	SQ FT	198	198
X0325969	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE BOARD	CAL DA	15	15
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOUR	180	180
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	1	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	3	3

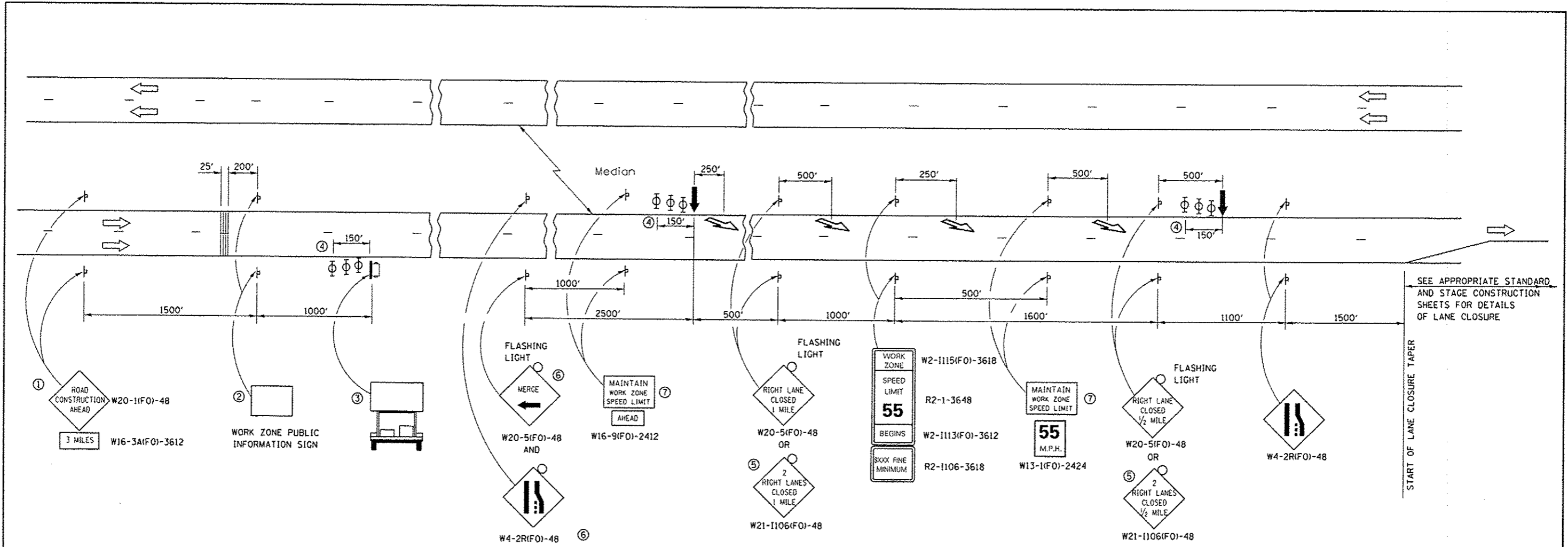
1) \* SPECIALITY ITEM

FILE NAME *	USER NAME * woodshankrl	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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MODELNAME*	CHECKED -	REVISED -	CONTRACT NO. 66C60							
PLOT SCALE * 1/8"=1'-0"	DATE -	REVISED -	[ILLINOIS] FED. AID PROJECT							
PLOT DATE * 11/15/2012	DATE -	REVISED -	SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.					



**TYPICAL SECTIONS**

FILE NAME: c:\pwork\pwork\woodshankr\140319109\666C60-shs-details.dgn	USER NAME: woodshankr	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE: 1/8" = 1'-0"	DRAWN - RW	REVISED -				57	(38-7HB-1)BP	IRRODUOIS	8	4	
#MODELNAME#	PLOT DATE: 11/15/2012	CHECKED -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 66C60			
		DATE -	REVISED -									

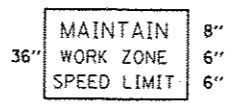


SEE APPROPRIATE STANDARD AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE

START OF LANE CLOSURE TAPER

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:  
"RIGHT LANE CLOSED" / " x MILES AHEAD"  
"LEFT LANE CLOSED" / " x MILES AHEAD"  
"ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.

- ⑦ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.



- ↑ ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ↘ LANE DROP ARROW - SEE STANDARD 780001
- ▨ TEMPORARY THERMOPLASTIC RUMBLE STRIPS

**GENERAL NOTE:**

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

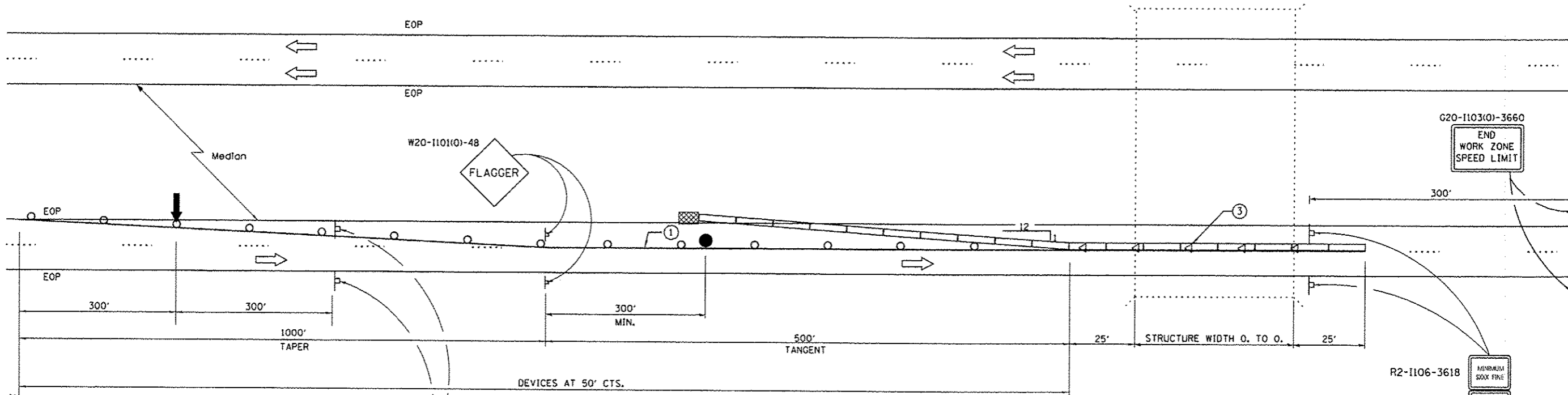
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MODELNAME#	PLOT DATE = 11/15/2012	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION,  
STANDARD 701400 (SPECIAL)

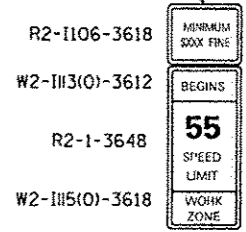
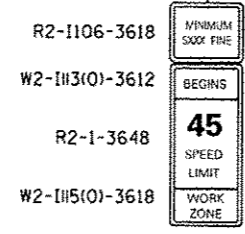
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(38-7HB-1)BP	IROQUOIS	8	5
CONTRACT NO. 66C60			ILLINOIS FED. AID PROJECT	

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



**PLAN**

SEE STANDARD 701400 (SPECIAL) FOR APPROACH LANE CLOSURE SIGNING



**SYMBOLS**

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- TRAFFIC CONTROL DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- FLAGGER
- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▩ IMPACT ATTENUATOR

- ① TEMPORARY PAVEMENT MARKING
- ② EXISTING PAVEMENT MARKING

**GENERAL NOTES**

THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCR OACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24 INCHES OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

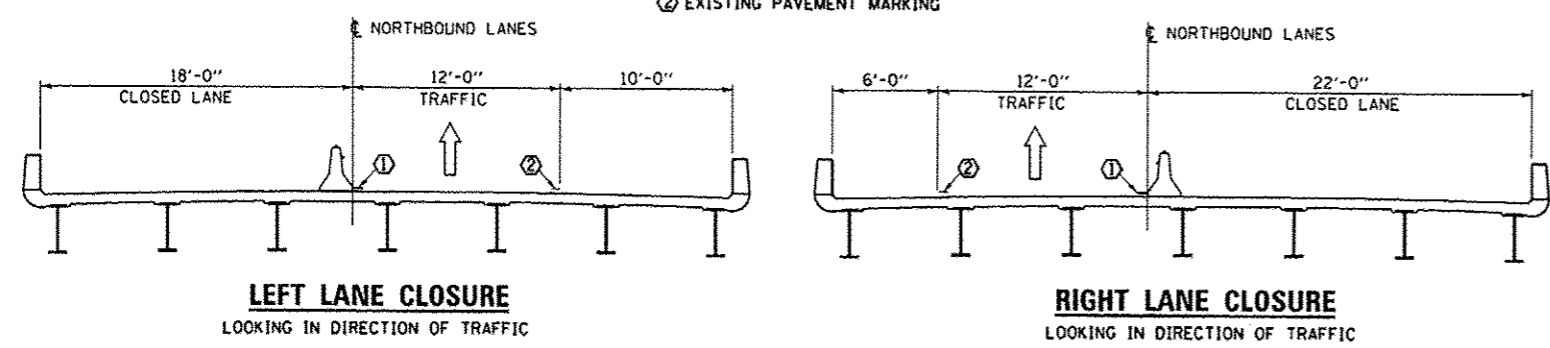
THIS STANDARD MUST BE USED IN COMBINATION WITH STANDARD 701400 (SPECIAL).

WHEN WORK IS BEING PERFORMED IN THE LEFT LANE, THE SET UP WOULD BE A MIRROR IMAGE TO WHAT IS SHOWN.

FLAGGER, FLAGGER SIGNS AND SPEED LIMIT SIGNS SHALL BE REQUIRED WHENEVER TEMPORARY CONCRETE BARRIER IS NOT IN PLACE. WHEN TEMPORARY CONCRETE BARRIER IS IN PLACE, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED AND THE FLAGGER NOT REQUIRED.

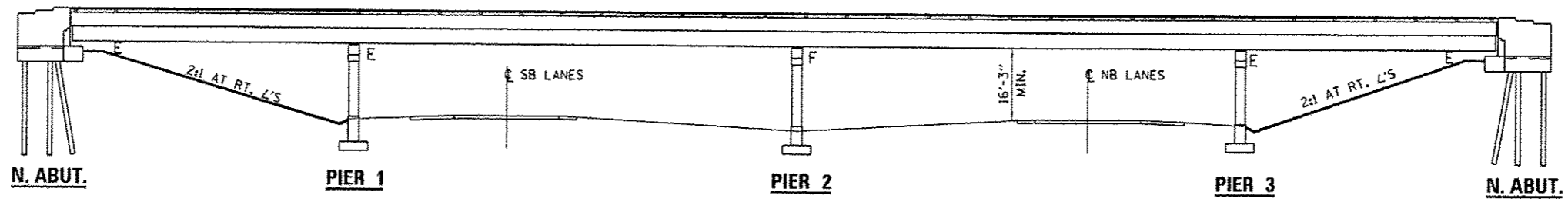
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

- ① TEMPORARY PAVEMENT MARKING TAPE ① OR EXISTING PAVEMENT MARKING ② SHALL BE PLACED THROUGHOUT THE TAPER AND ALONGSIDE THE WORK AREA, THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW.
- ③ BARRIER WALL/GUARDRAIL MARKERS AT 25'. MARKERS ON RIGHT SHALL BE CRYSTAL AND MARKERS ON LEFT SHALL BE AMBER. COST INCLUDED WITH TEMPORARY CONCRETE BARRIER.

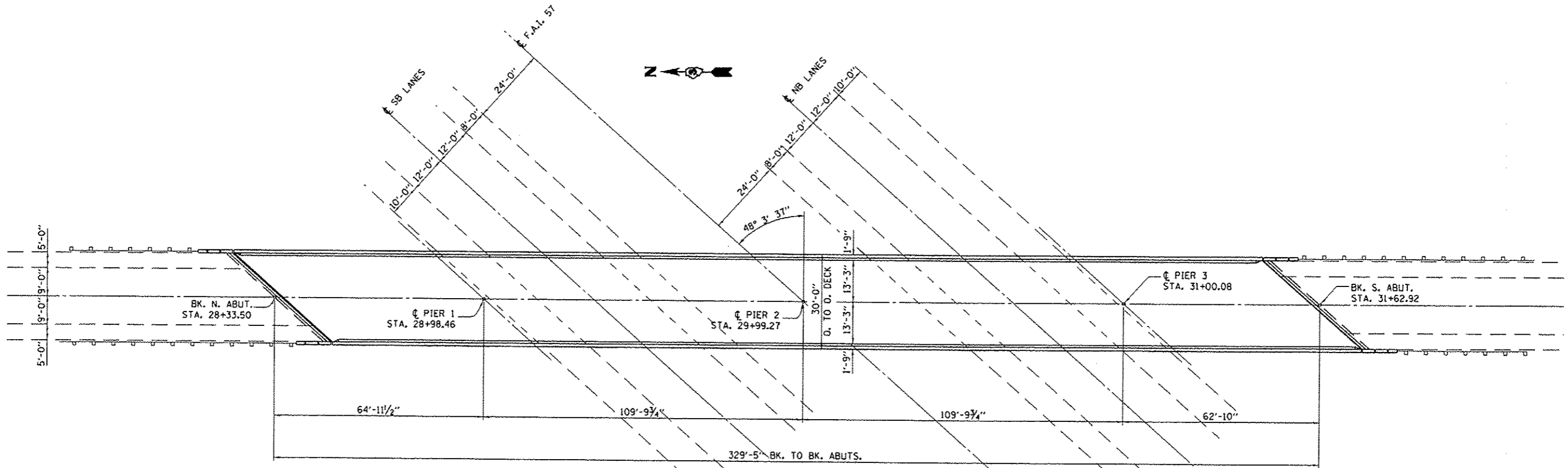


NOTE: TRAFFIC CONTROL AND PROTECTION FOR TWO-LANE ROADS SHALL BE ACCORDING TO STANDARD 701201.

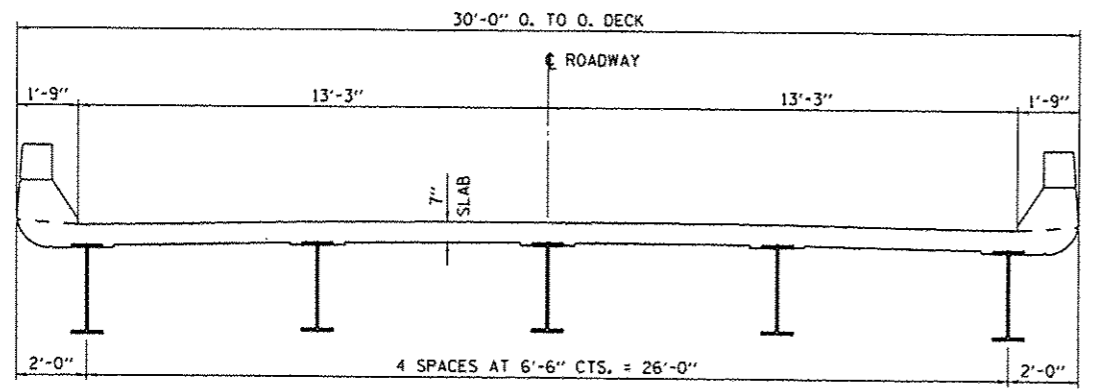
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	PLOT DATE * 11/15/2012	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.		



ELEVATION



PLAN



CROSS SECTION

TOTAL BILL OF MATERIAL

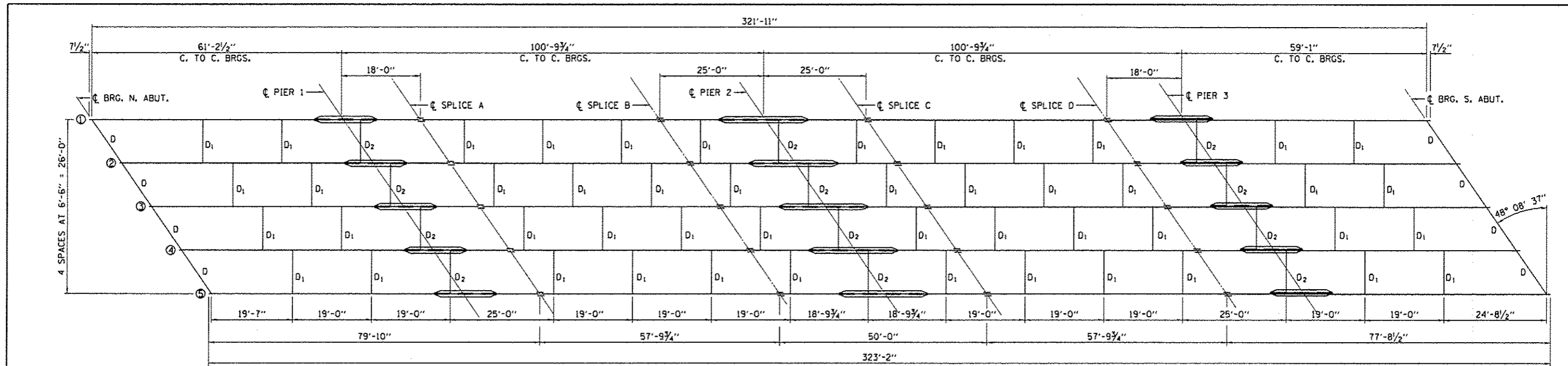
ITEM	UNIT	SUPER	SUB	TOTAL
CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1		1
CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		1
BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1		1

FILE NAME :	USER NAME :	DESIGNED -	REVISED -
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MODELNAME:	PLOT SCALE :	CHECKED -	REVISED -
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	11/15/2012		-

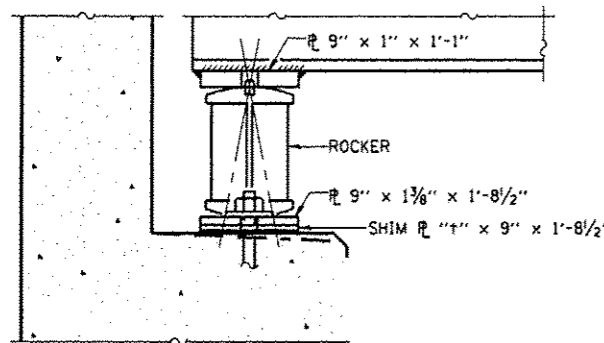
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
FOR STRUCTURE NO. 038-0126

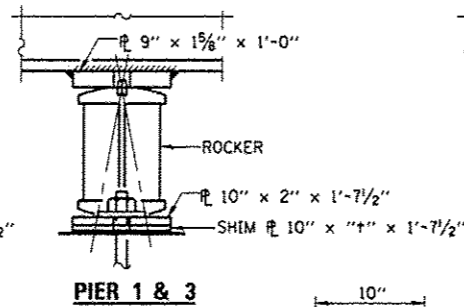
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57	(38-7HB-1)BP	IROQUOIS	8	7
CONTRACT NO. 66C60			ILLINOIS FED. AID PROJECT	



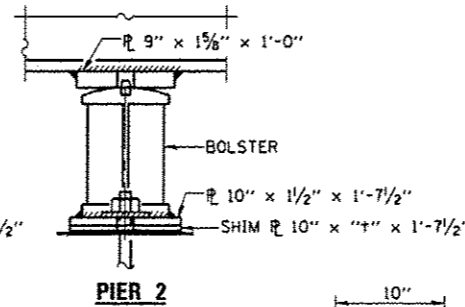
**FRAMING PLAN**  
ALL BEAMS W 36 X 150



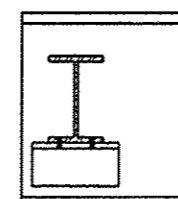
**SECTION AT ABUTMENT**



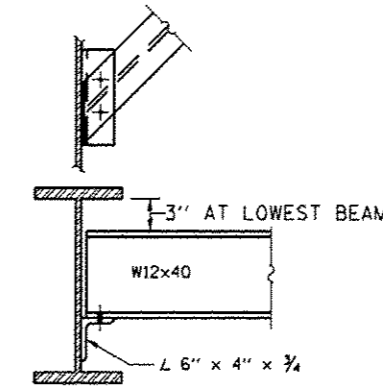
**PIER 1 & 3**



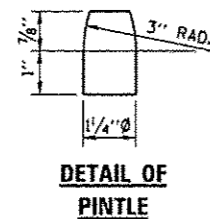
**PIER 2**



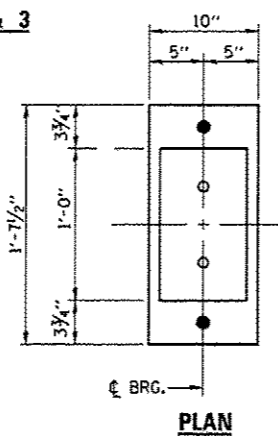
**DIAPHRAGMS D**  
8 REQUIRED



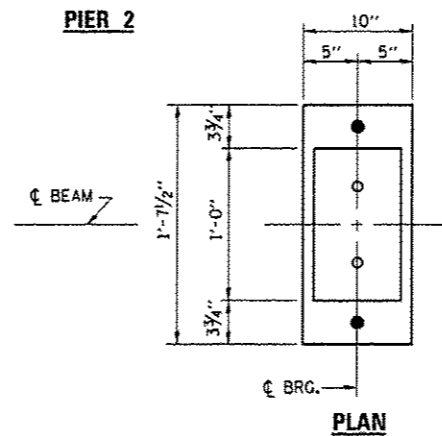
**DIAPHRAGMS D1 & D2**  
60 REQUIRED



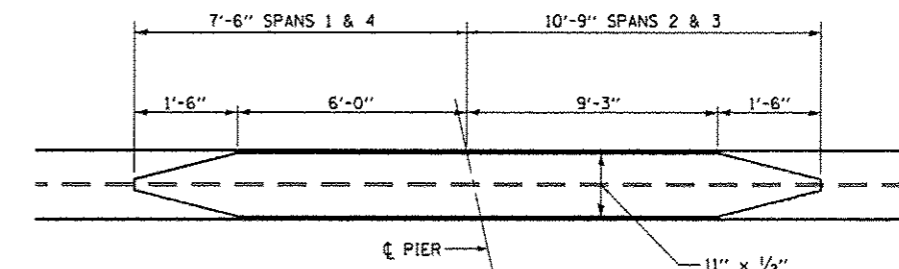
**DETAIL OF PINTLE**



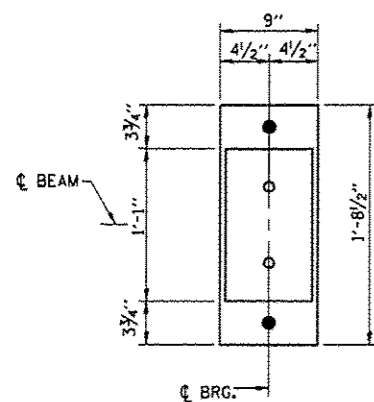
**PLAN**



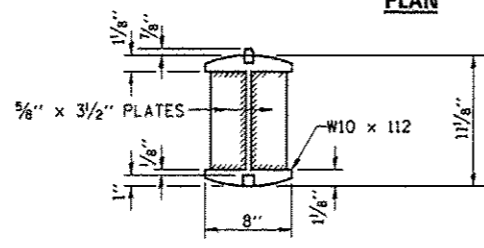
**PLAN**



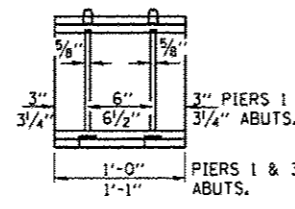
**DETAIL OF COVER PLATES AT PIER 2**



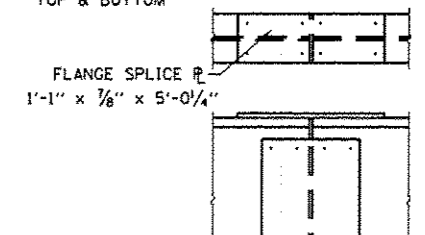
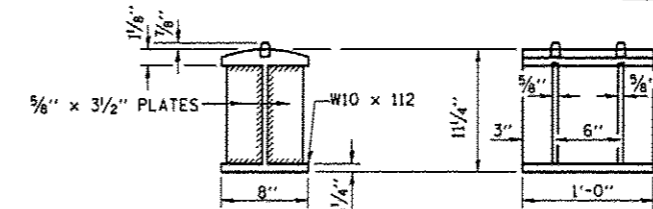
**PLAN**



**DETAIL OF ROCKER AT ABUTS, PIERS 1 & 3**



**DETAIL OF BOLSTER AT PIER 2**



**DETAIL OF SPLICE**

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
01\pwwork\p1\dot\woodshankr\1\0319109\0366C60-shc-details.dgn	woodshankr1	RW	-
MODEL NAME :	PLOT SCALE :	CHECKED :	REVISED :
	1/8" = 1'-0"	RW	-
	PLOT DATE :	DATE :	REVISED :
	11/15/2012		-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS  
FOR STRUCTURE NO. 038-0126

SCALE: SHEET 1 OF 1 SHEETS STA. 28+33.50 TO STA. 31+62.92

F.A.I. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:
57	(38-7HB-1)BP	IRROUOIS	8
		CONTRACT NO.:	66C60
		ILLINOIS FED. AID PROJECT	