

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 49A & CH 45	(38-2HB-2)BP & (38-2HB-1)BP	IROQUOIS	13	1
			CONTRACT NO. 66E10	
ILLINOIS				

1. COVER SHEET
2. GENERAL NOTES
- 3-4. SUMMARY OF QUANTITIES
5. TYPICAL SECTIONS
6. TRAFFIC CONTROL AND PROTECTION, STANDARD 701400 (SPECIAL)
7. TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)
8. TEMPORARY BARRIER WALL DETAILS FOR STRUCTURE NO. 038-0135
9. PAVEMENT MARKING
- 10-11. EXISTING STRUCTURE PLANS FOR STRUCTURE NO. 038-0128
- 12-13. EXISTING STRUCTURE PLANS FOR STRUCTURE NO. 038-0135

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

TR 49A (2800N) & CH 45 (2900N)
OVER FAI ROUTE 57 (I-57)
SECTION (38-2HB-2)BP & (38-2HB-1)BP

**STRUCTURAL STEEL CLEANING AND PAINTING
IROQUOIS COUNTY**

C-93-146-14

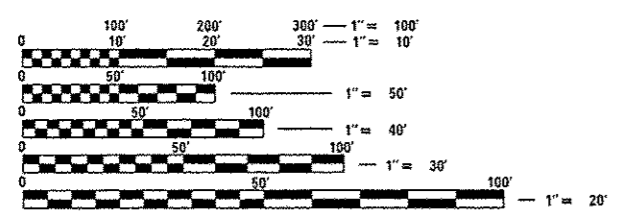


STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-04	OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-03	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-67	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701428	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-04	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER

PROJECT LOCATION 2
STRUCTURE NO. 038-0135
CARRYING CH 45 (2900N)
OVER FAI 57 (I-57) AT CLIFTON

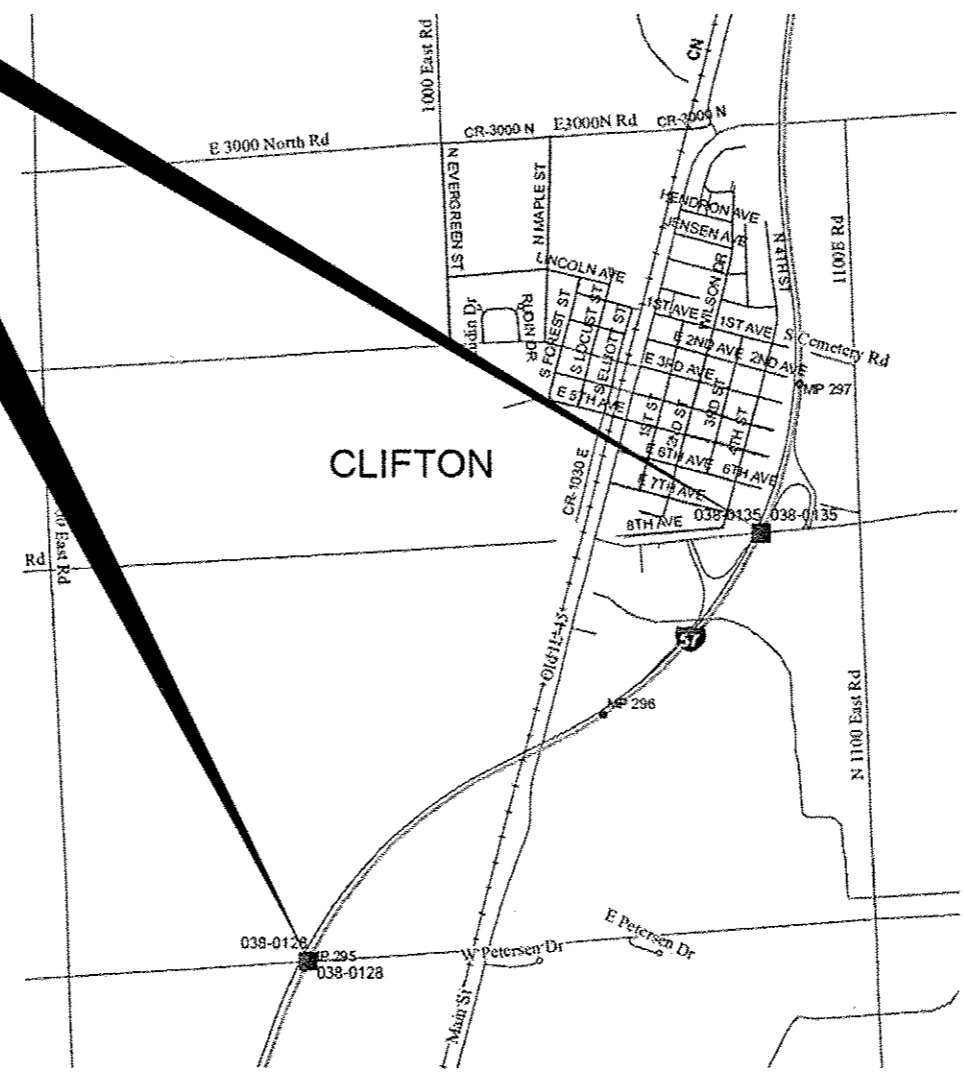
PROJECT LOCATION 1
STRUCTURE NO. 038-0128
CARRYING TR 49A OVER FAI 57 (I-57)
1.59 MILES SOUTH OF CLIFTON INTERCHANGE



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 3 (815) 434-6131
PROJECT ENGINEER JOE KANNEL P.E.
UNIT CHIEF RON WOODSHANK
TOWNSHIP CHEBANSE
CONTRACT NO. 66E10



RURAL INTERSTATE		RURAL MAJOR COLLECTOR		RURAL LOCAL ROAD	
FAI 57 (I-57)		CH 45 (2900N)		TR 49A (E 2800N)	
2013		2013		2009	
ADT	15800	ADT	2050	ADT	75
P.V.	66.46%	P.V.	90.24%	P.V.	86.67%
S.U.	4.11%	S.U.	7.32%	S.U.	13.33%
M.U.	29.43%	M.U.	2.44%	M.U.	0%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 12, 2014
Paul Loete, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 30, 2015
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 30, 2015
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

THE CONTRACTOR SHALL NOT CLOSE A LANE IN THE NORTHBOUND AND SOUTHBOUND TRAFFIC LANES AT THE SAME TIME UNLESS APPROVED IN WRITING BY THE ENGINEER.

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.

SUITABLE ON-SITE SANITARY FACILITIES MEETING FEDERAL, STATE AND LOCAL HEALTH DEPARTMENT REQUIREMENTS SHALL BE PROVIDED AND MAINTAINED CLEAN AND IN GOOD WORKING CONDITION AND SHALL BE STOCKED WITH LAVATORY AND SANITARY SUPPLIES AT ALL TIMES DURING THE PERIOD OF THE CONTRACT.

THE FURNISHING, MAINTENANCE AND LAVATORY SUPPLIES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAY ITEMS INVOLVED UNDER THIS CONTRACT.

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

COMMITMENTS

DATE: December 17, 2014

PREPARED BY: Tom Beaulieu
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Harold Jones
DISTRICT CONSTRUCTION ENGINEER

George Phillips
DISTRICT MATERIALS ENGINEER

Ben A. Thompson
DISTRICT OPERATIONS ENGINEER

FILE NAME: o:\p\work\psidoc\woodshankr\40403301	USER NAME: woodshankr-l	DESIGNED - ZJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A. RTR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	366E10-shr-details.dgn	DRAWN - ZJL	REVISED -			* (38-2HB-2)BP & (38-2HB-1)BP	IRROUOIS	13	2	
	PLOT SCALE: 1/8" = 1'-0"	CHECKED - RLW	REVISED -			*TR 49A & CH 45			CONTRACT NO. 66E10	
	PLOT DATE: 12/8/2014	DATE - 8/4/14	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.										

TR		CH	
CONSTRUCTION CODE			
BPO		BPO	
100% STATE		100% STATE	
BRIDGE		BRIDGE	
0014		0014	
038-0128		038-0135	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1	
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1		1
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2		2
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	360	310	50
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2320	930	1390
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	7	3	4
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2584	1280	1304
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1770	880	890
78300100	PAVEMENT MARKING REMOVAL	SO FT	1730	860	870
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1	

FILE NAME :	USER NAME : woodshankr	DESIGNED - ZJL	REVISED -
or\p\work\p\ridat\woodshankr\100403301\	66E10-ahs-details.dgn	DRAWN - ZJL	REVISED -
	PLOT SCALE : 100.0000 / in.	CHECKED - RLW	REVISED -
	PLOT DATE : 12/6/2014	DATE - 8/4/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	138-2HB-21BP & 138-2HB-11BP	ILROQUOIS	13	3
	TR 49A & CH 45			CONTRACT NO. 66E10
ILLINOIS FED. AID PROJECT				

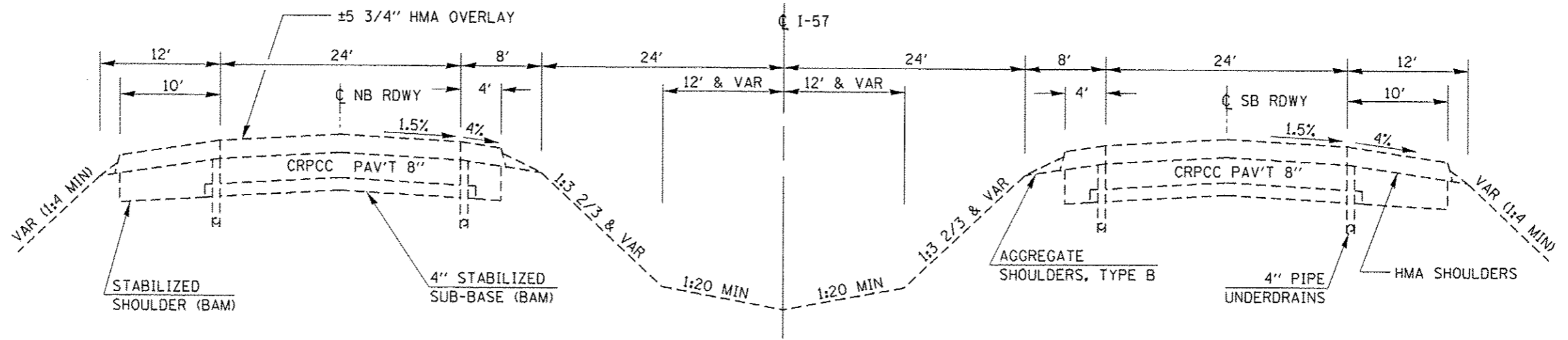
Rev.

TR		CH	
CONSTRUCTION CODE			
BPO	BPO	BPO	BPO
100% STATE	100% STATE	100% STATE	100% STATE
BRIDGE	BRIDGE	BRIDGE	BRIDGE
0014	0014	0014	0014
038-0128	038-0135	038-0128	038-0135

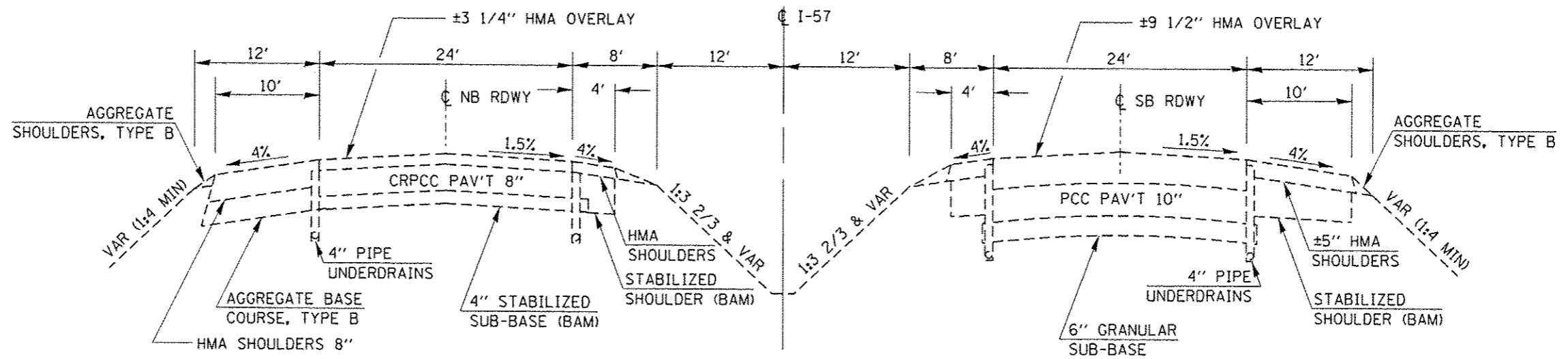
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TR	CH
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1		1
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	1	1	
X7010410	SPEED DISPLAY TRAILER	CAL MD	1	1	
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1	
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1		1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	21	21	

6
•SPECILAITY ITEMS

Rev.

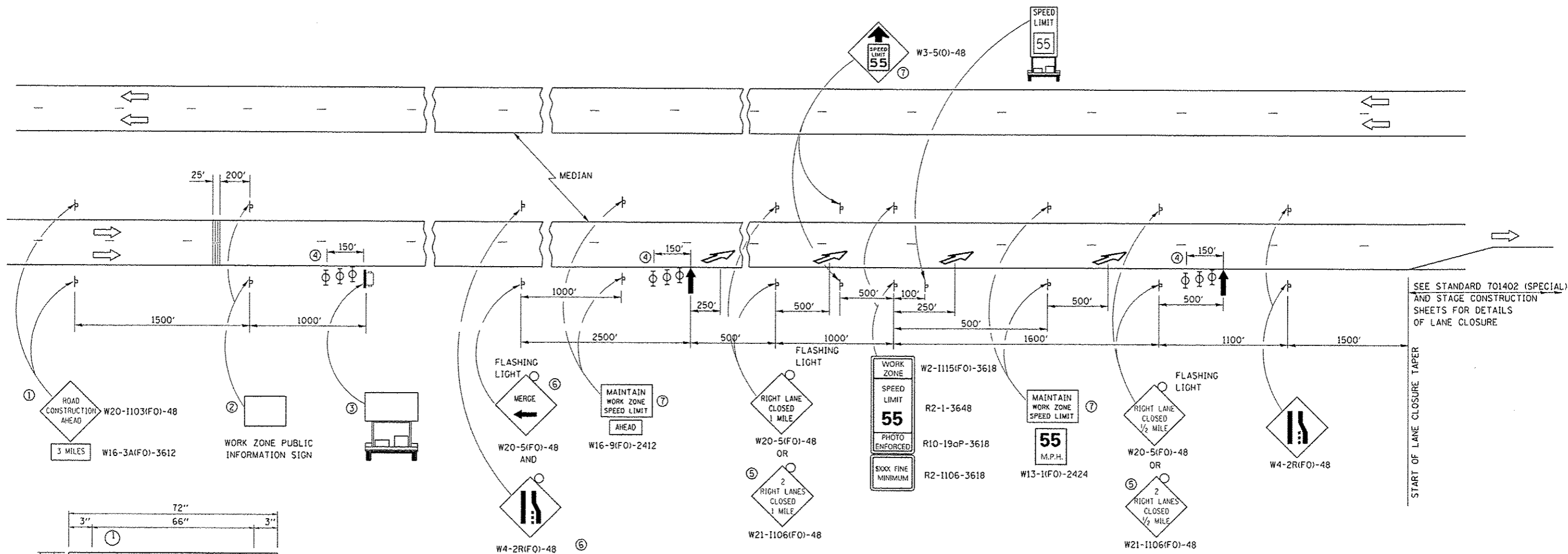


EXISTING TYPICAL SECTION
SN 038-0128



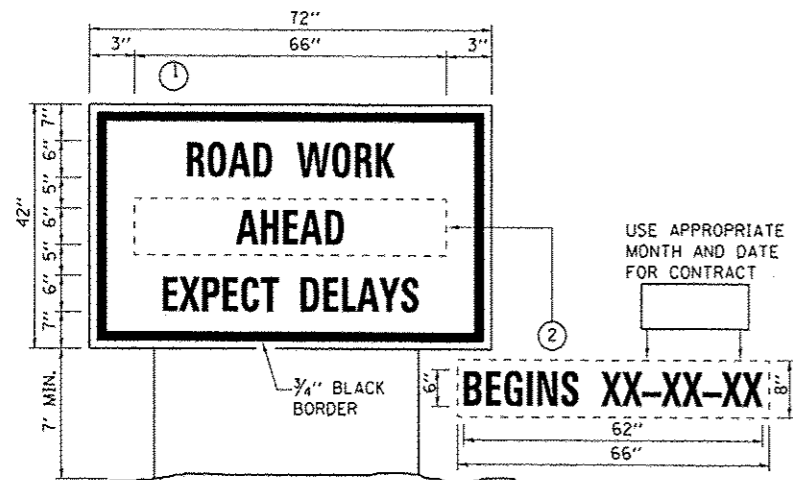
EXISTING TYPICAL SECTION
SN 038-135

FILE NAME :	USER NAME :	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\woodshankr\1\0403301\366E10-shs-date\1.dgn	WOODSHANKR	ZJL	-			•	(38-2HB-2IBP & (38-2HB-1IBP	IRROUOIS	13	5
PLOT SCALE = 1/8" = 1' / in.		RLW	-			*TR 49A & CH 45		CONTRACT NO. 666E10		
PLOT DATE = 12/6/2014		8/4/14	-			ILLINOIS FED. AID PROJECT				
SCALE:						SHEET 1 OF 1 SHEETS		STA. TO STA.		



SEE STANDARD 701402 (SPECIAL) AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE

START OF LANE CLOSURE TAPER

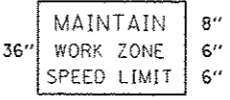


TEMPORARY INFORMATION SIGNING

- NOTES:**
1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
 2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
 3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
 4. REMOVE PANEL ② ON THAT DATE.
 5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
 6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

- 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 THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

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 RUMBLE STRIPS
- 🚚 SPEED DISPLAY TRAILER

GENERAL NOTE:

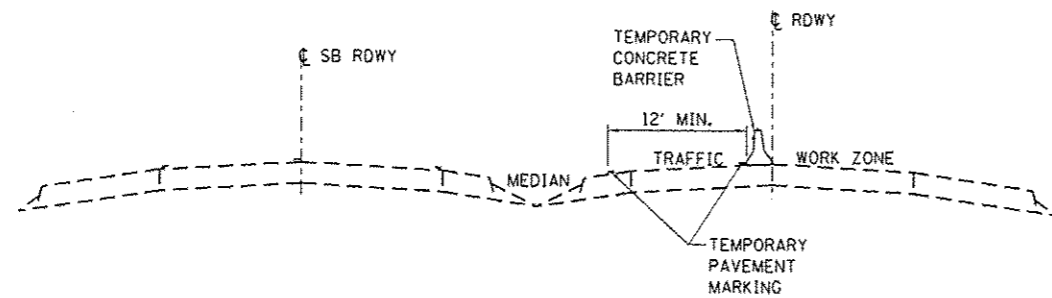
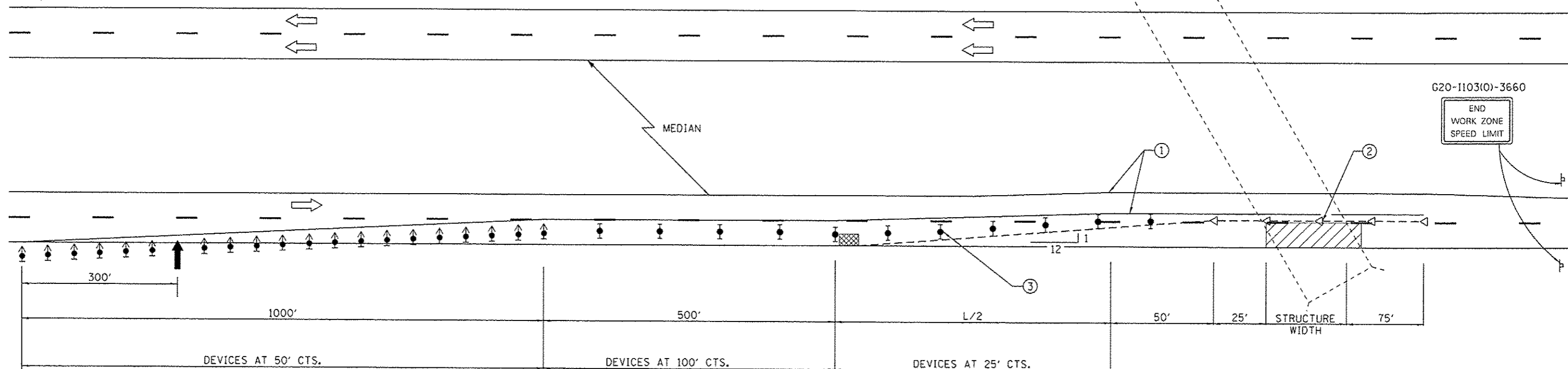
THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

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

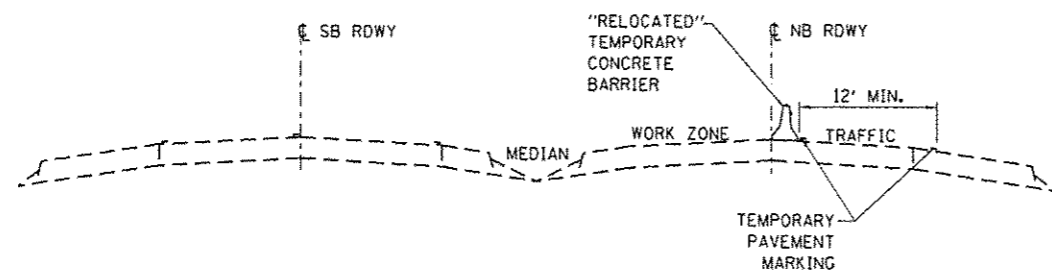
THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

SEE STANDARD 701400 (SPECIAL) FOR APPROACH START OF LANE CLOSURE TAPER



**ROADWAY SECTION
LEFT LANE CLOSED**



**ROADWAY SECTION
RIGHT LANE CLOSED**

- ① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW.
- ② BARRIER WALL/GUARDRAIL MARKERS AT 25' (7.6 M), MARKERS ON RIGHT SHALL BE SHALL BE CRYSTAL AND MARKERS ON LEFT SHALL BE AMBER.
- ③ VERTICAL BARRICADES SHALL NOT BE USED IN LANE SHIFT TAPER.

SYMBOLS

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ↕ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE 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 DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS STANDARD MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

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

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

CALCULATE L AS FOLLOWS:

NORMAL POSTED SPEED	FORMULAS
45 MPH OR MORE	ENGLISH $L = (W)(S)$
W = WIDTH OF OFFSET IN FEET (METERS).	
S = NORMAL POSTED SPEED IN MPH (KM/H).	

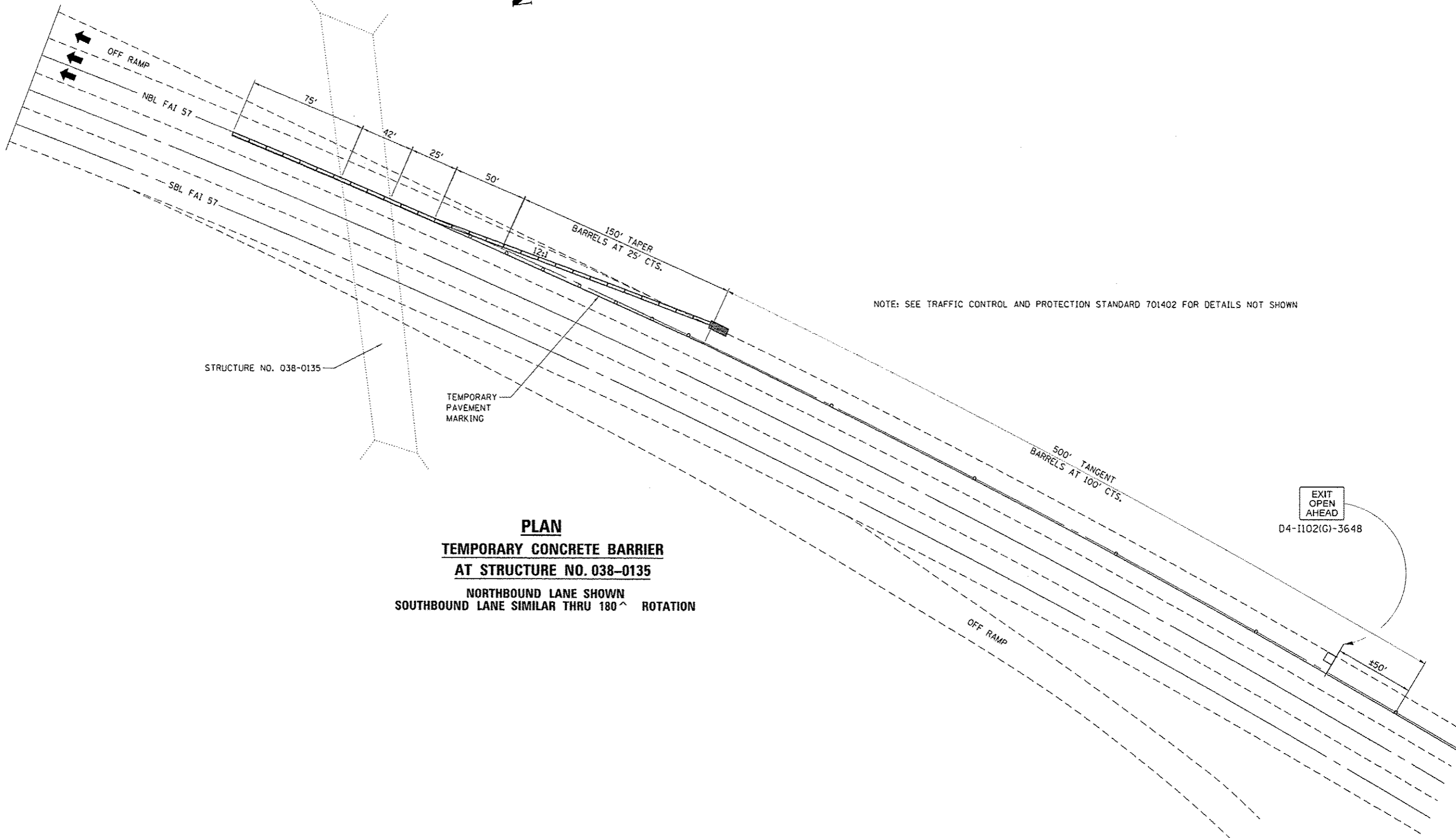
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		CHECKED - RLW	REVISED -
		DATE - 8/6/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION
STANDARD 701402 (SPECIAL)

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• (38-2HB-2)BP & (38-2HB-1)BP		IROQUOIS	13	7
• TR 49A & CH 45			CONTRACT NO. 66E10	
ILLINOIS FED. AID PROJECT				



PLAN
TEMPORARY CONCRETE BARRIER
AT STRUCTURE NO. 038-0135
 NORTHBOUND LANE SHOWN
 SOUTHBOUND LANE SIMILAR THRU 180° ROTATION

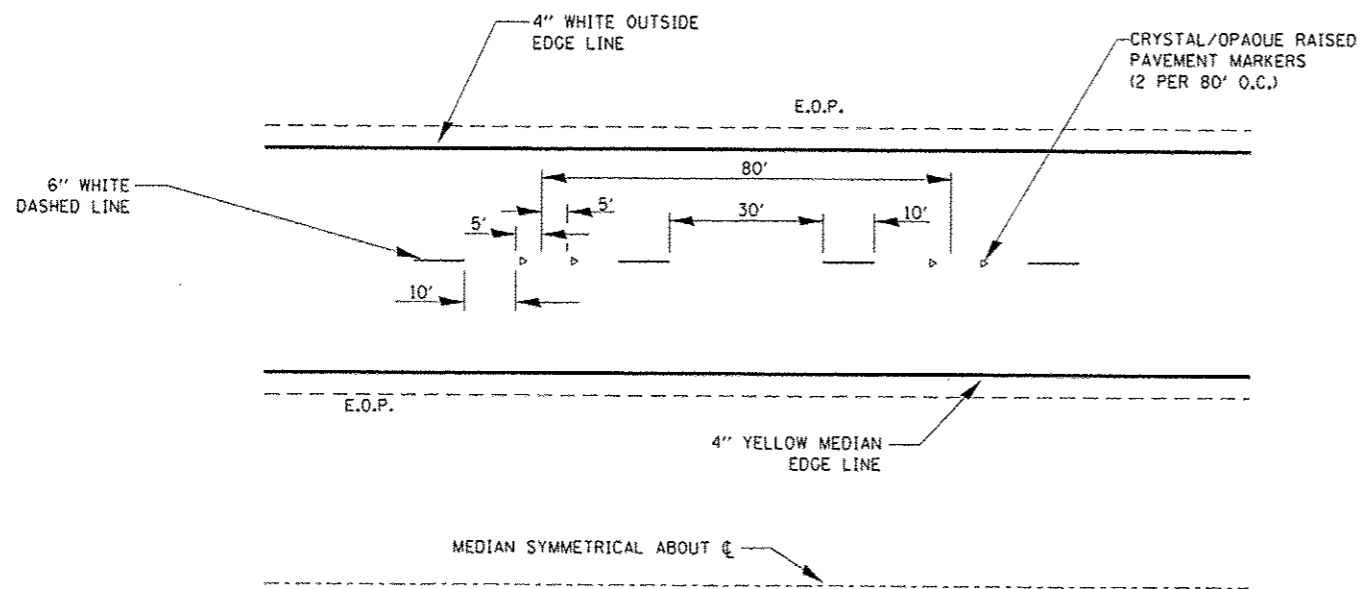
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	PLOT SCALE = 1/8" = 1' / in.	CHECKED - RLW	REVISED -
	PLOT DATE = 12/6/2014	DATE - 8/6/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

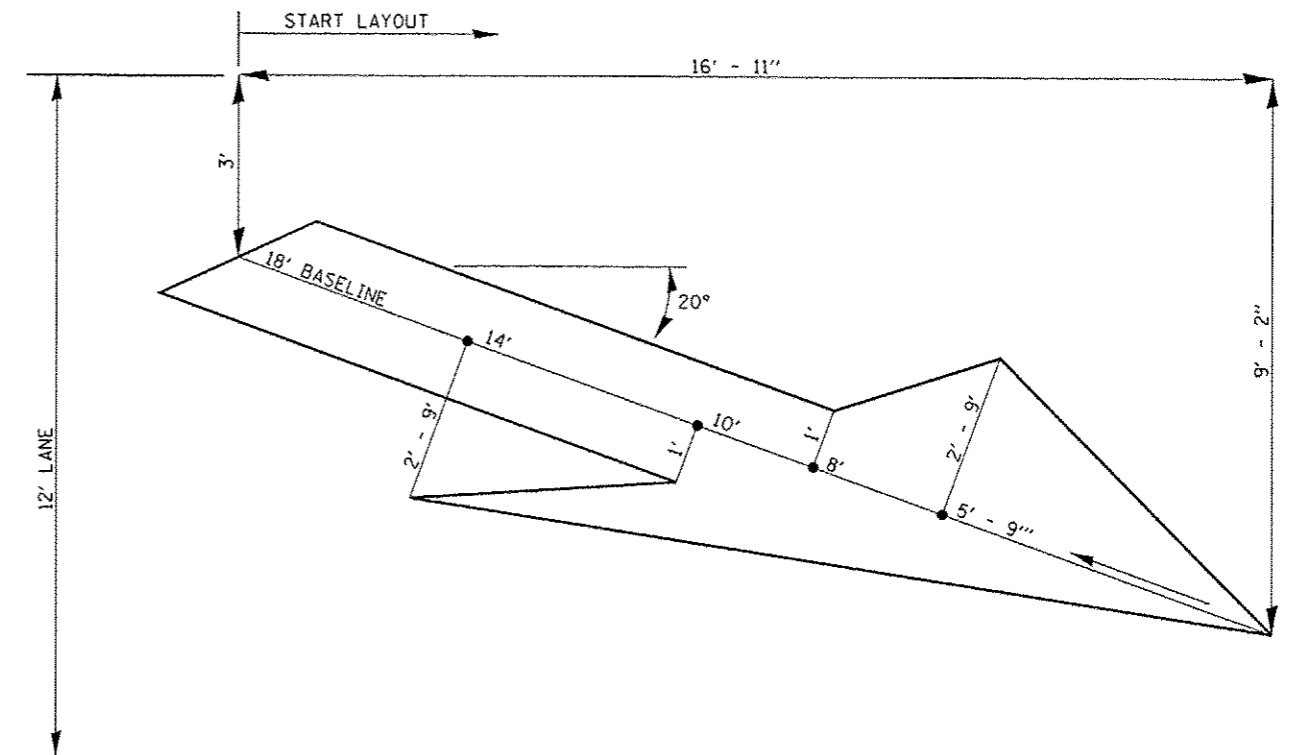
TEMPORARY BARRIER WALL DETAILS
FOR STRUCTURE NO. 038-0135

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* (38-2HB-2)BP & (38-2HB-1)BP		IROQUOIS	13	8
* TR 49A & CH 45				
ILLINOIS FED. AID PROJECT				

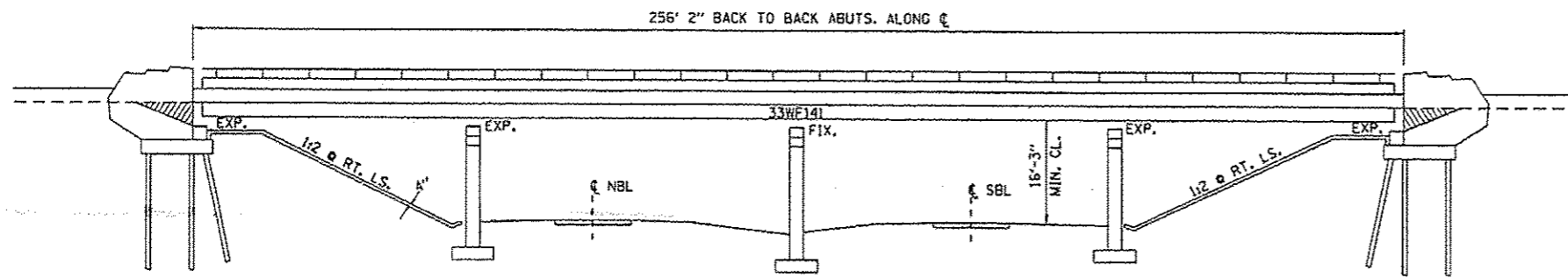


TYPICAL PAVEMENT MARKINGS

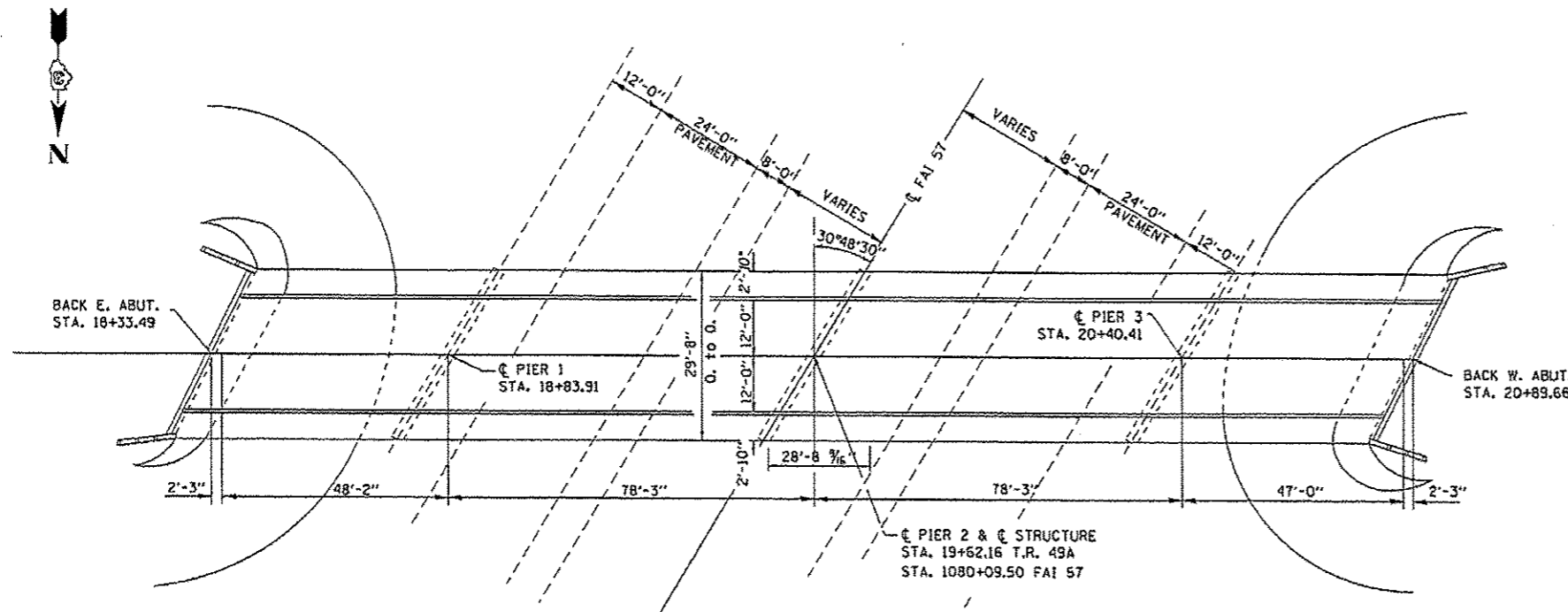


LARGE MERGE ARROWS
42 Sq. Ft.

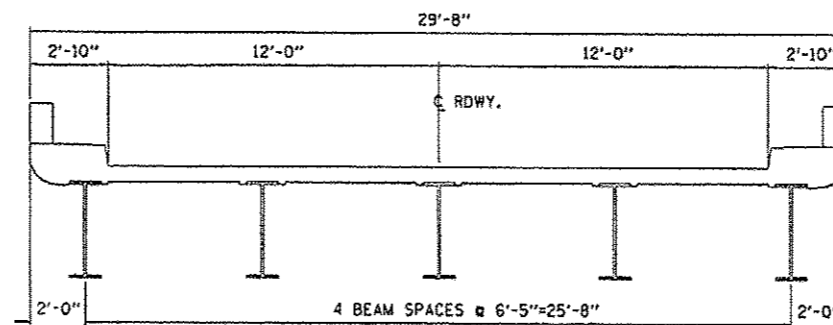
FILE NAME :	USER NAME : woodshank1	DESIGNED - ZJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS		F.A. RIE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\p1d04\woodshank1\d0403301\	666E10-shr-detail.dgn	DRAWN - ZJL	REVISED -				• (38-2HB-2)BP & (38-2HB-1)BP	ILLINOIS	13	9	
	PLOT SCALE = 100.0000' / 1"	CHECKED - RLW	REVISED -		• TR 49A & CH 45	CONTRACT NO. 66E10					
	PLOT DATE = 12/6/2014	DATE - 8/6/14	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



ELEVATION



PLAN



CROSS SECTION

LOOKING WEST

1. STRUCTURE NO. 038-0128 SHALL BE DESIGNATED AS "LOCATION 1".
3. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION 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 SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
4. THE SSPC-OP1 AND SSPC-OP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.
5. A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR THIS PROJECT. THE SHALL FURNISH AND INSTALL THE MONITORS AS SHOWN ON PLAN DETAILS. (SEE THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".)
6. CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.
 - a) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, CROSS/LATERAL FRAMING WHEN PRESENT, BEARING ASSEMBLIES AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE CLEANED PER "NEAR WHITE BLAST CLEANING - SSPC-SP-10.
 - b) ALL EXISTING STRUCTURAL STEEL SHALL BE PAINTED PER THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U".
 - 1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL BE "GRAY, MUNSELL NO. 5B 7/1".
 - 2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "GREEN, MUNSELL NO. 7.5G 1/2.
7. 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.
8. WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LICENSED TO DISPOSE OF LEAD PAINT RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LICENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE LEAD PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 109.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE HAS BEEN REMOVED.

TOTAL BILL OF MATERIAL

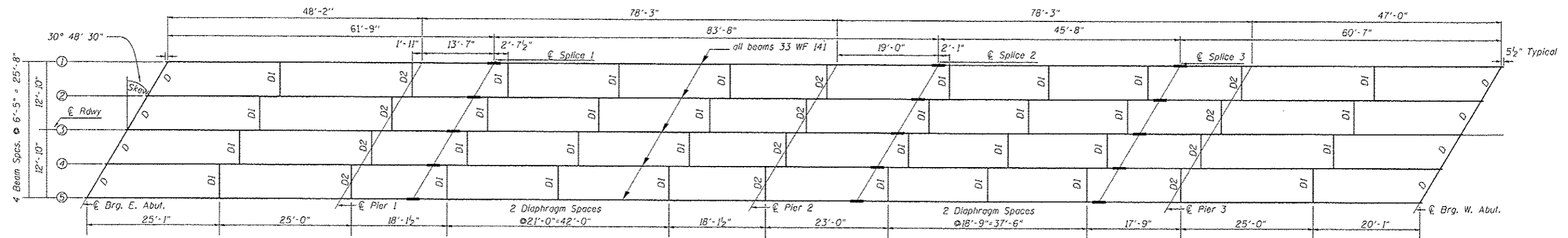
ITEM	UNIT	038-0128	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
o:\p\work\spid\woodshenr\104033201	woodshenr	ZJL	-
	256510-shs-detailed.dgn	DRAWN :	REVISED :
		ZJL	-
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	100.0000 / in.	RLW	-
	PLOT DATE :	DATE :	REVISED :
	12/6/2014	8/4/14	-

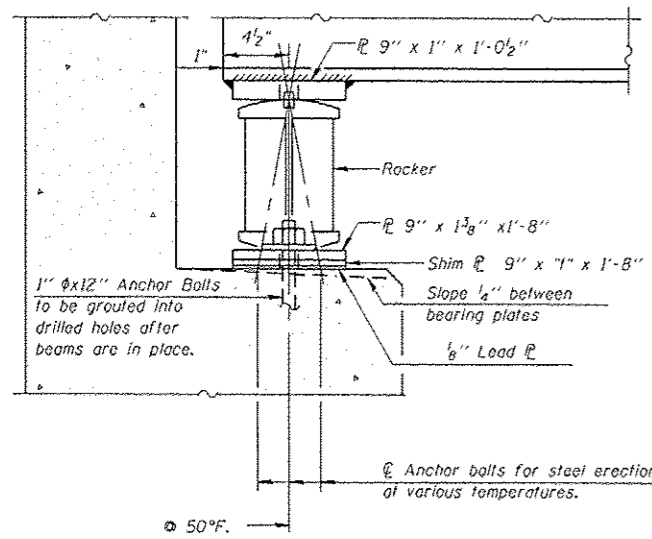
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS FOR
STRUCTURE NO. 038-0128

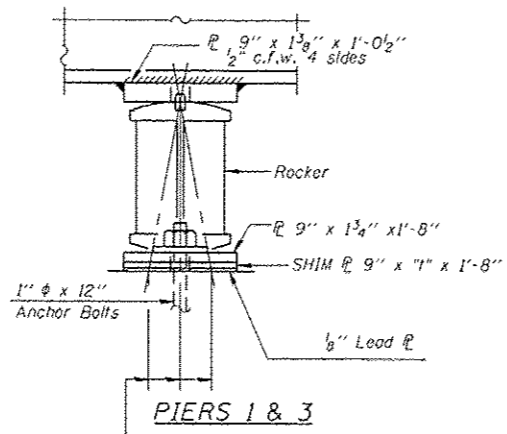
SCALE:	SHEET 1 OF 2 SHEETS	STA. 28+67.71 TO STA. 31+29.33	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
			138-2HB-2BP & 138-2HB-1BP	IROQUOIS	13	110
			TR 49A & CH 45			CONTRACT NO. 66E10
			ILLINOISIFIED. AID PROJECT			



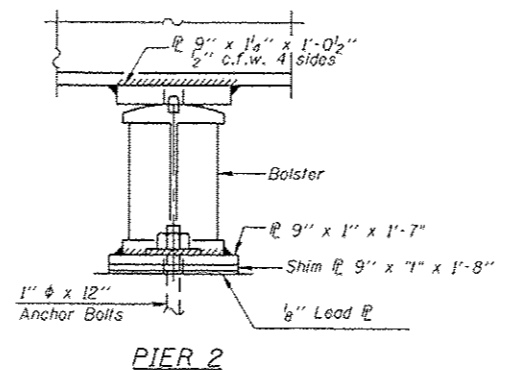
LAYOUT OF STRUCTURAL STEEL
SN 038-128



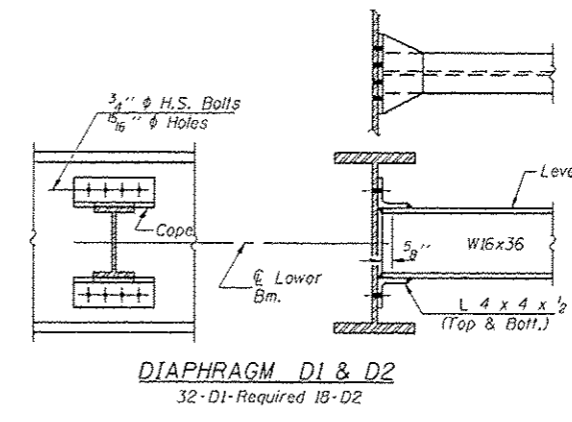
SECTION AT ABUTMENT



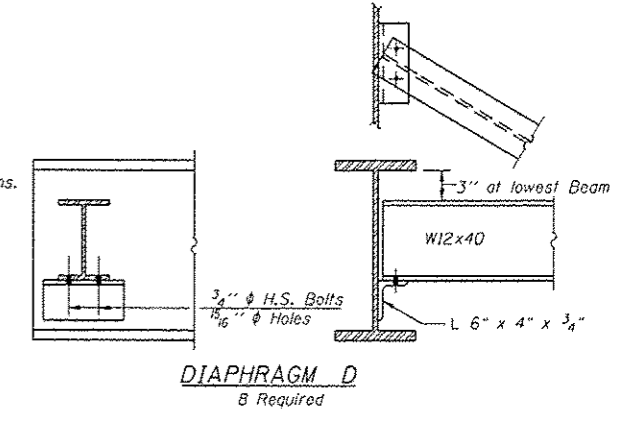
PIERS 1 & 3



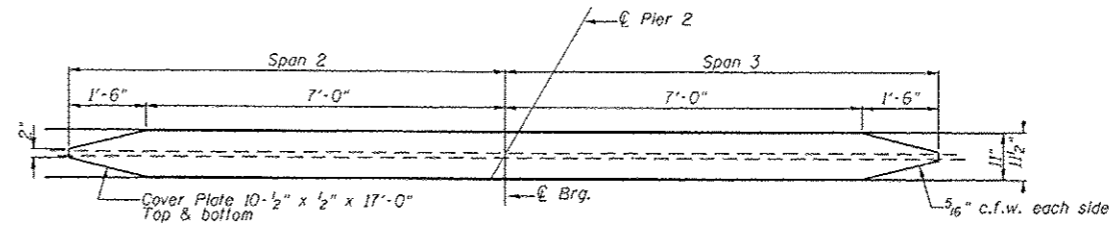
PIER 2



DIAPHRAGM D1 & D2
32-D1-Required 18-D2



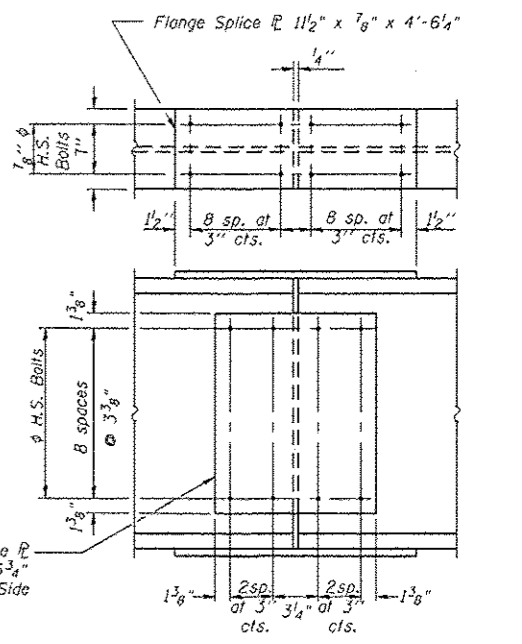
DIAPHRAGM D
B Required



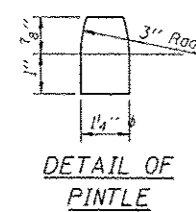
DETAIL OF COVER PLATE

Note: See sheet for anchor bolt installation. Anchor bolts at fixed bearings may be built into the masonry.

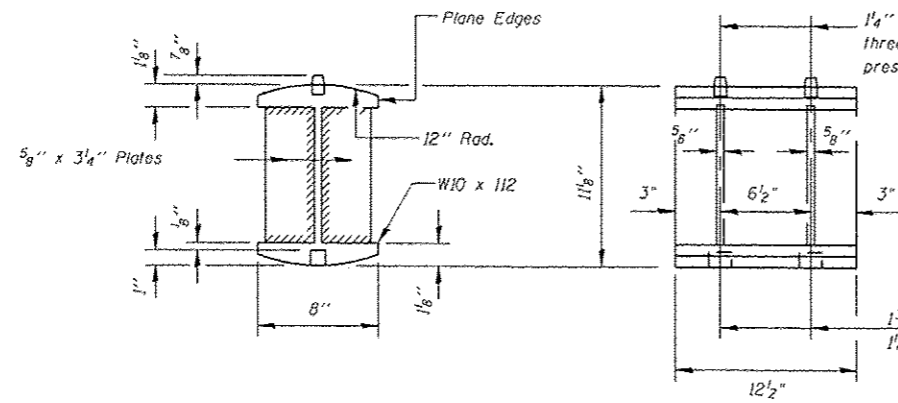
Note: Two hardened washers shall be required over all oversize holes for diaphragms.



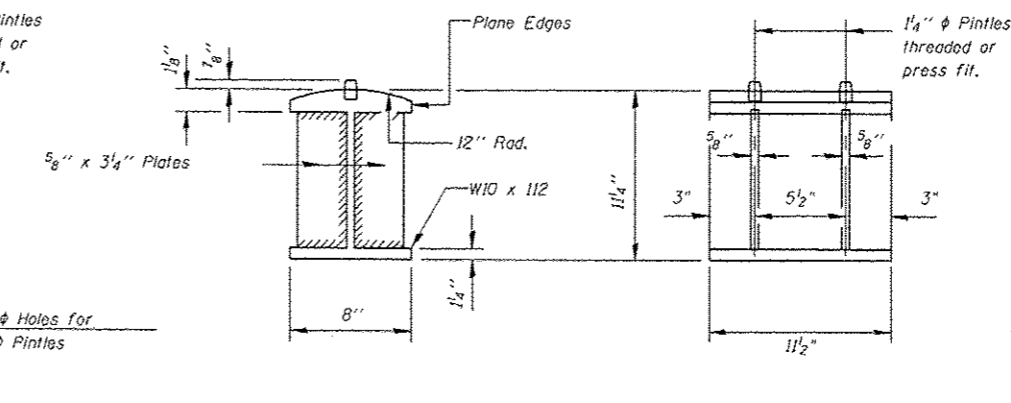
DETAIL OF SPLICE



DETAIL OF PINTLE

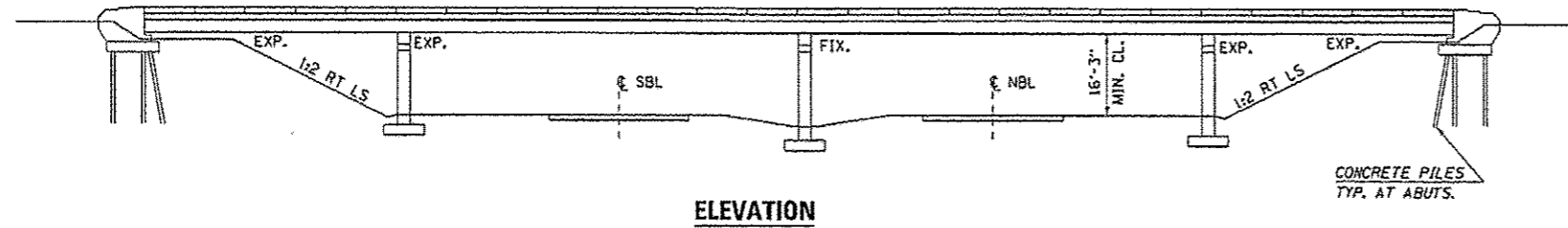


DETAIL OF ROCKER AT PIERS 1 & 3 & ABUTS.

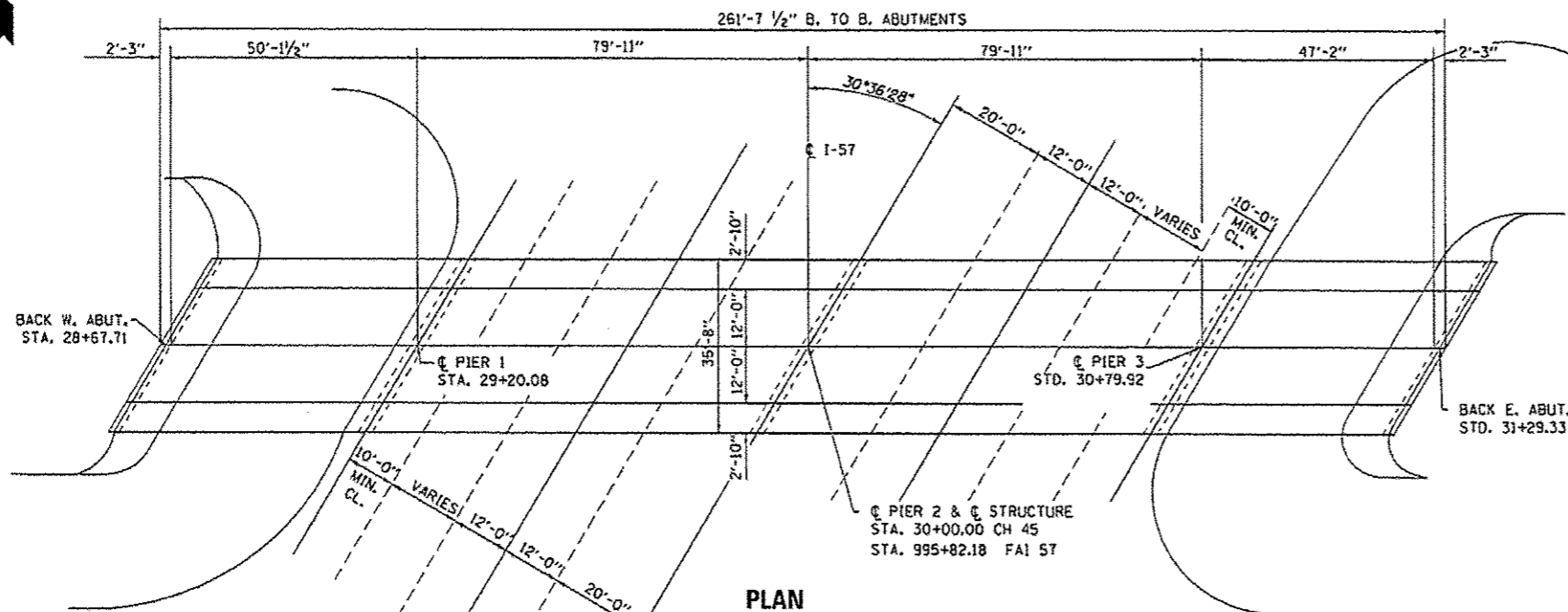


DETAIL OF BOLSTER AT PIER 2

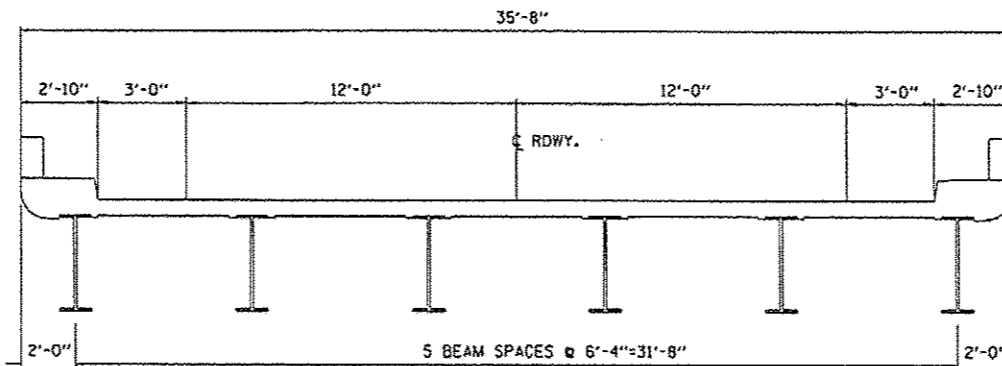
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PLOT SCALE: 1/8" = 1'-0"	CHECKED: RLW	DATE: 8/4/14	REVISED:			SCALE:	SHEET 2 OF 2 SHEETS	STA. 28+67.71 TO STA. 31+29.33	CONTRACT NO. 66E10	ILLINOIS FED. AID PROJECT	
PLOT DATE: 12/6/2014	DATE: 8/4/14	REVISED:	REVISED:								



ELEVATION



PLAN



CROSS SECTION

LOOKING WEST

GENERAL NOTES

1. STRUCTURE NO. 038-0135 SHALL BE DESIGNATED AS "LOCATION 2".
3. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION 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 SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
4. THE SSPC-OP1 AND SSPC-OP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.
5. A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR THIS PROJECT. THE SHALL FURNISH AND INSTALL THE MONITORS AS SHOWN ON PLAN DETAILS. (SEE THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".)
6. CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.
 - a) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, CROSS/LATERAL FRAMING WHEN PRESENT, BEARING ASSEMBLIES AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE CLEANED PER "NEAR WHITE BLAST CLEANING - SSPC-SP-10.
 - b) ALL EXISTING STRUCTURAL STEEL SHALL BE PAINTED PER THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U".
 - 1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL BE "GRAY, MUNSELL NO. 5B 7/1".
 - 2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "GREEN, MUNSELL NO. 7.5G 1/2.
7. 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.
8. WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LICENSED TO DISPOSE OF LEAD PAINT RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LICENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE LEAD PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 109.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE MATERIALS HAVE BEEN PROPERLY REMOVED AND DISPOSED OF.

TOTAL BILL OF MATERIAL

ITEM	UNIT	038-0135	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1	1
BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1	1

FILE NAME *	USER NAME * woodshank1	DESIGNED - ZJL	REVISED -
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PLOT SCALE * 100.0000 * / in.		CHECKED - RLW	REVISED -
PLOT DATE * 12/8/2014		DATE - 8/4/14	REVISED -

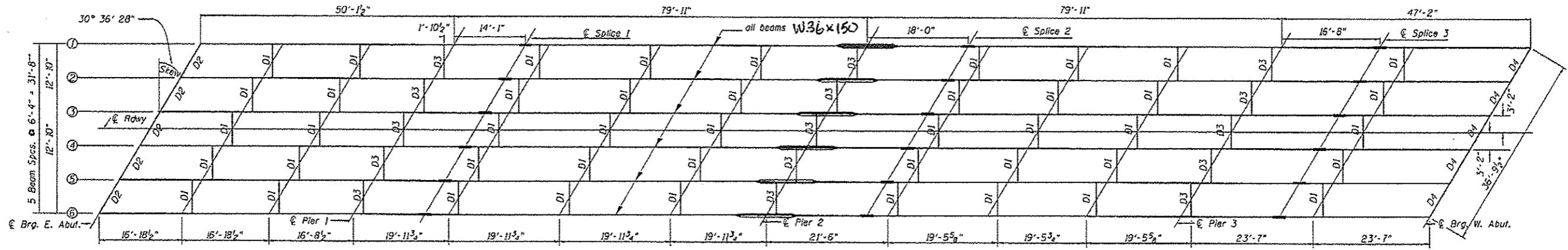
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**EXISTING STRUCTURE PLANS FOR
STRUCTURE NO. 038-0135**

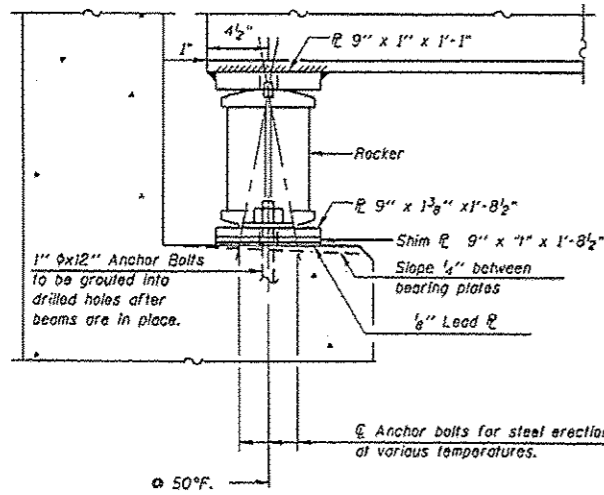
SCALE: SHEET 1 OF 2 SHEETS STA. 18+33.49 TO STA. 20+89.66

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* (38-2HB-2IBP & (38-2HB-1IBP	IRROQUOIS		13	12
*TR 49A & CH 45		CONTRACT NO. 66E10		

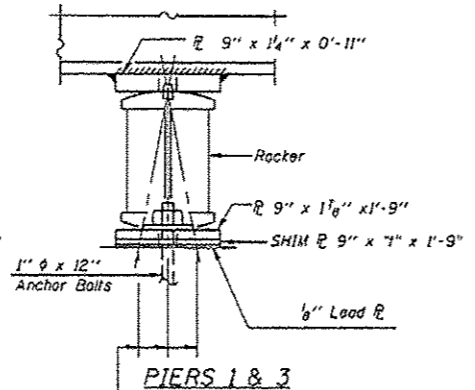
ILLINOIS FED. AID PROJECT



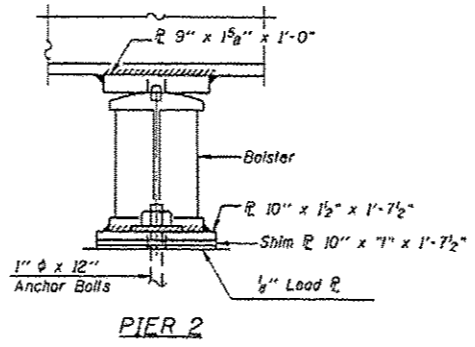
LAYOUT OF STRUCTURAL STEEL
SH 038-135



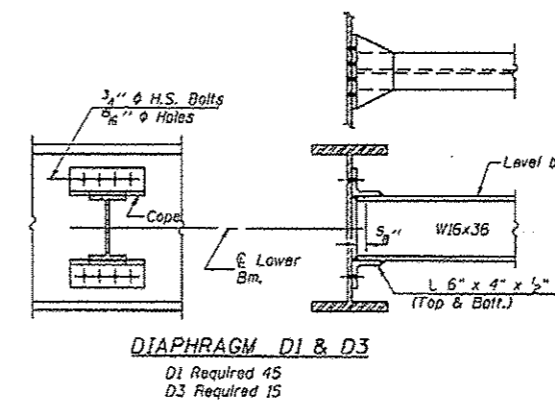
SECTION AT ABUTMENT



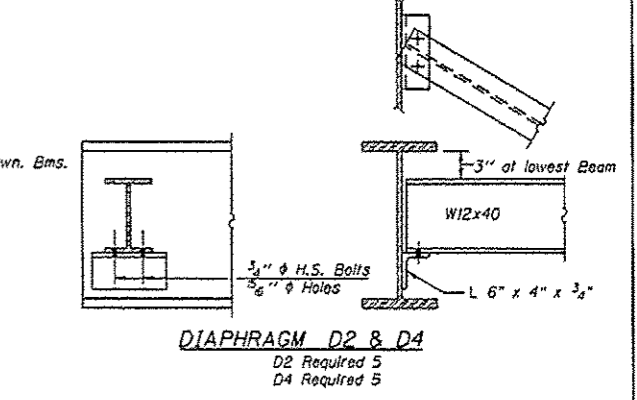
PIERS 1 & 3



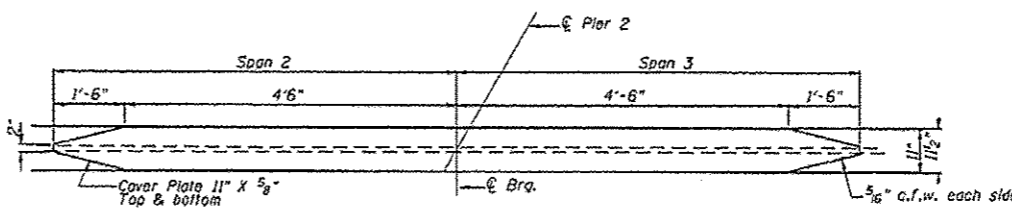
PIER 2



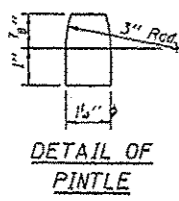
DIAPHRAGM D1 & D3
D1 Required 45
D3 Required 15



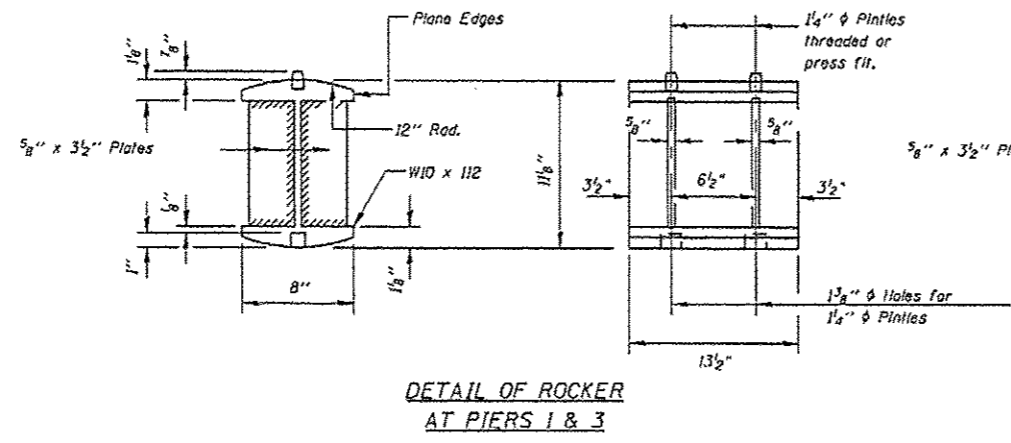
DIAPHRAGM D2 & D4
D2 Required 5
D4 Required 5



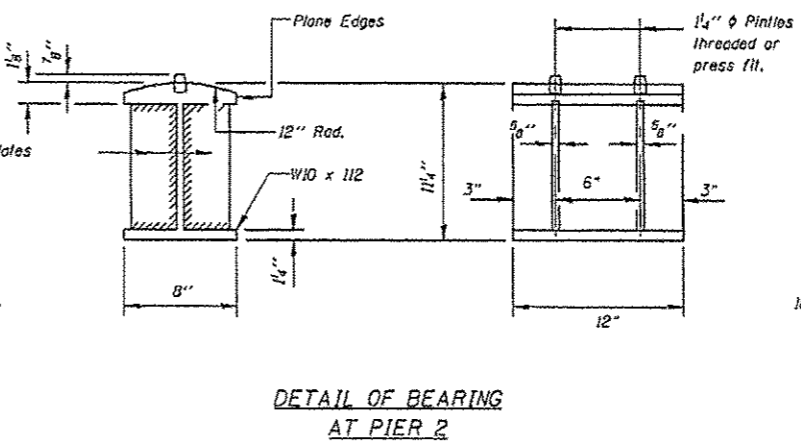
DETAIL OF COVER PLATE



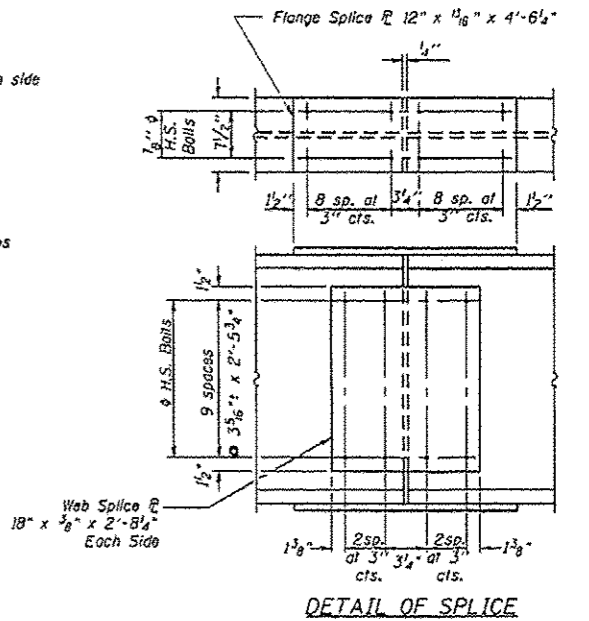
DETAIL OF PINTLE



DETAIL OF ROCKER AT PIERS 1 & 3



DETAIL OF BEARING AT PIER 2



DETAIL OF SPLICE

Note:
See sheet for anchor bolt installation. Anchor bolts at fixed bearings may be built into the masonry.
Note:
Two hardened washers shall be required over all oversize holes for diaphragms.

FILE NAME: c:\p\work\pilot\woodshank\1\0403201\038E10-shs-details.dgn	USER NAME: woodshank	DESIGNED: ZJL	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS FOR STRUCTURE NO. 038-0135	F.A. R/E:	SECTION:	COUNTY:	TOTAL SHEET SHEETS:
PLOT SCALE: 1/8" = 1'-0"	DATE: 8/4/14	DRAWN: ZJL	REVISED:			13B-2HB-2IBP & 13B-2HB-1IBP	IRROQUOIS	73	113
PLOT DATE: 12/6/2014	CHECKED: RLW	DATE: 8/4/14	REVISED:			TR 49A & CH 45	CONTRACT NO. 66E10		
						ILLINOISIFIED AID PROJECT			