

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. DETAILS
- 9 - 12. EXISTING STRUCTURE PLANS - FOR INFORMATION ONLY

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-07	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	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 $\geq$ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701426-09	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS $\geq$ 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

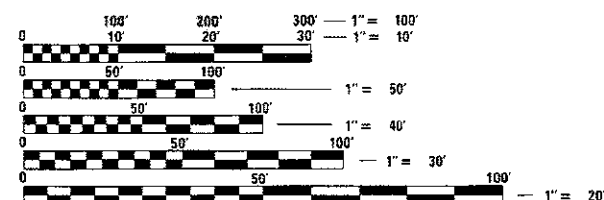
PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 80 (I-80)
SECTION (06-6HB)BP
PROJECT NHPP-VRXX(495)
BRIDGE PAINTING
BUREAU COUNTY

C-93-014-18

PROJECT LOCATION

STRUCTURE NO. 006-0131
CARRYING F.A.S. 1230 (CH 27)
OVER F.A.I. 80 (I-80)
APPROXIMATELY 0.5 MILES WEST OF I-180



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

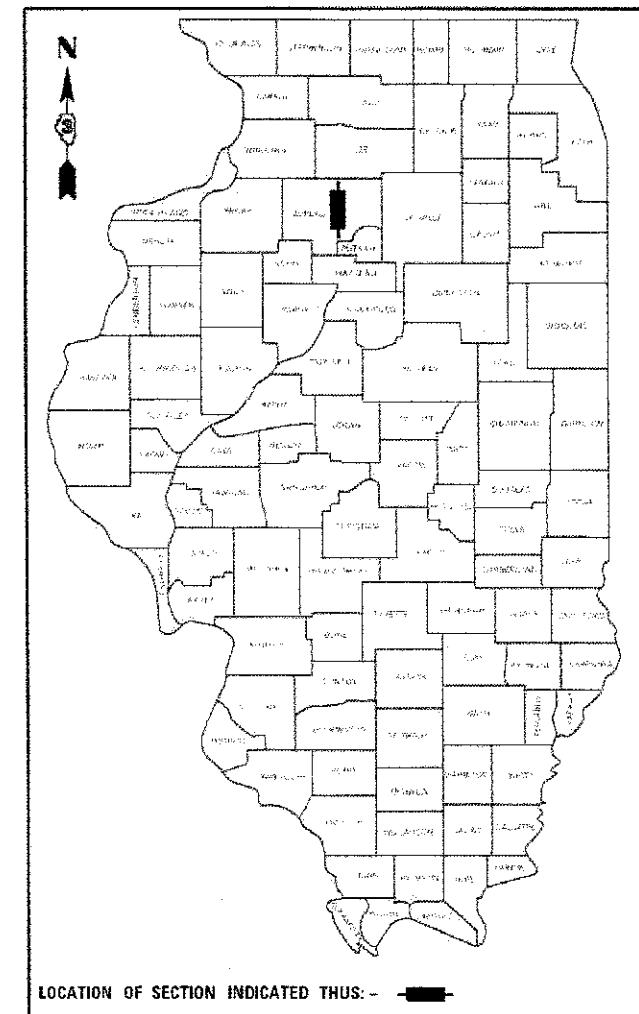
PROJECT ENGINEER: JOE KANNEL P.E.
UNIT CHIEF: RON WOODSHANK
DISTRICT NO. 3 (815) 434-6131
CONTRACT NO. 66H77



GROSS LENGTH = 221.5 FT. = 0.042 MILE
NET LENGTH = 221.5 FT. = 0.042 MILE

F.A.I. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	06-6HB)BP	BUREAU	12	1
ILLINOIS CONTRACT NO. 66H77				

D-93-015-18



RURAL INTERSTATE	RURAL LOCAL ROAD
F.A.I. 80 (I-80)	F.A.S. 1230 (CH 27)
2015 ADT 20200	2015 ADT 600
P.V. 53.2%	P.V. 98.3%
S.U. 6.2%	S.U. 1.7%
M.U. 40.6%	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 17 2017
[Signature] REGIONAL ENGINEER

Nov 30 2017
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

Nov 30 2017
[Signature] DIRECTOR OF PROGRAM DEVELOPMENT

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GENERAL NOTES

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.

STRUCTURE NO. 006-0131 SHALL BE DESIGNATED AS "LOCATION 1".

THE SSPC-QP1 AND SSPC-QP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.

A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR EACH STRUCTURE. THE CONTRACTOR SHALL FURNISH AND INSTALL THE MONITORS AS SHOWN ON PLAN DETAILS. (SEE THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".)

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 STEEL RAILINGS, (INCLUDING RAIL ELEMENTS, POSTS, PLATES, AND ALL OTHER STEEL COMPONENTS OF THE HANDRAILS SHALL BE CLEANED PER THE REQUIREMENTS OF "NEAR WHITE BLAST CLEANING - SSPC-SP-10.

b) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, CROSS/LATERAL FRAMING WHEN PRESENT, BEARING ASSEMBLIES AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE CLEANED PER THE REQUIREMENTS OF "NEAR WHITE BLAST CLEANING - SSPC-SP-10.

c) ALL EXISTING STRUCTURAL STEEL, STEEL RAILINGS (INCLUDING BEAMS, DIAPHRAGMS, CROSS/LATERAL FRAMING WHEN PRESENT, RAIL ELEMENTS, PLATES, POSTS, BEARING ASSEMBLIES AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE PAINTED PER THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U".

- 1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL SHALL 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.
- 3) THE FINAL FINISH COAT FOR ALL STEEL RAILINGS SHALL BE "GRAY, MUNSELL NO. 5B 7/1".

GENERAL NOTES (CON'T)

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.

WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LISCENSED 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 LISCENSED 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 108.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE MATERIALS HAVE BEEN PROPERLY REMOVED AND DISPOSED OF.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

DATE:

PREPARED BY:

EXAMINED BY:

10/17/17

David Bravich

DISTRICT STUDIES & PLANS ENGINEER

KPS

DISTRICT CONSTRUCTION ENGINEER

Michael A. Skut

DISTRICT MATERIALS ENGINEER

Tom H. Hargul

DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.J. DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	106-6H3)BP	BUROU	12	2
CONTRACT NO. 66H77				
ILLINOIS FED. AID PROJECT				

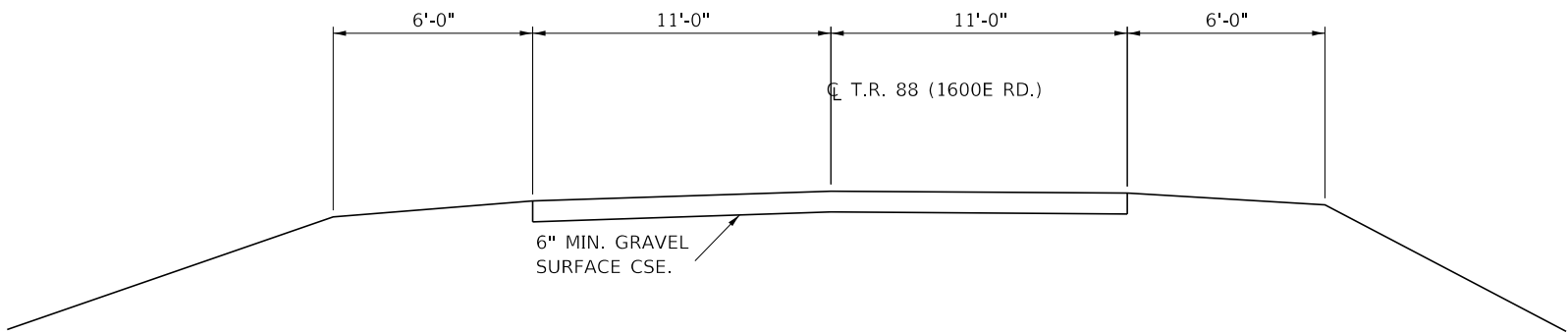
REV

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				B.P.O.
				90% FED 10% STATE
				ROADWAY
				0047
				S.N. 006-0131
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1

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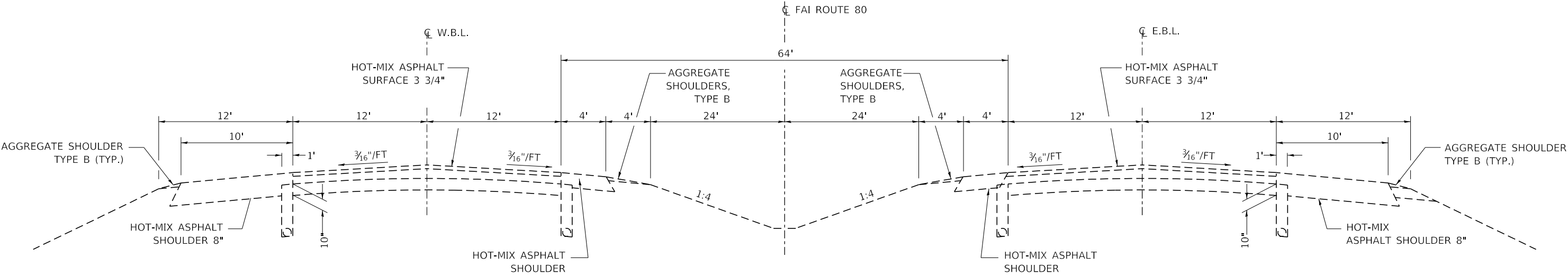
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	PLOT SCALE = 100.0000' / in.	DRAWN - RW	REVISED -						80	(06-6HB)BP	BUREAU	12	4
	PLOT DATE = 10/16/2017	CHECKED - EP	REVISED -		SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.				CONTRACT NO. 66H77				
		DATE - 9/26/2017	REVISED -						ILLINOIS FED. AID PROJECT				

REV



TYPICAL SECTION 1

F.A.S. 1230 (CH 27)



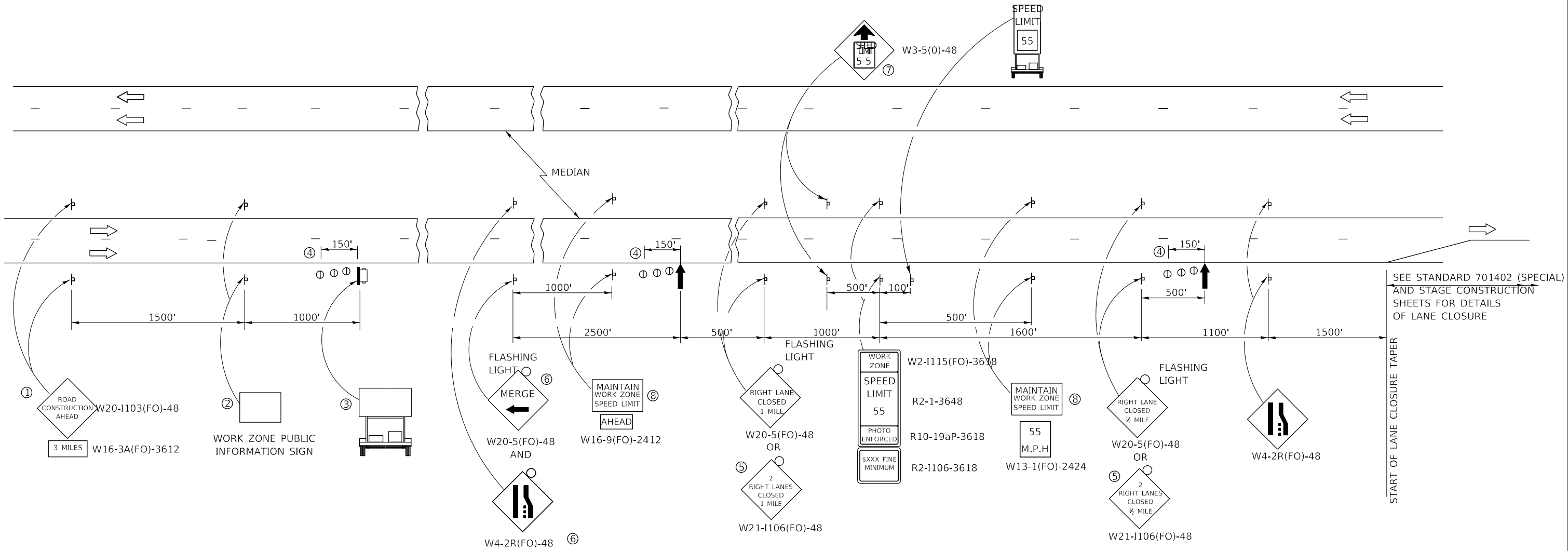
TYPICAL SECTION 2

I-80

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	PLOT SCALE = 100.0000 ' / in.	CHECKED - EP	REVISED -							CONTRACT NO. 66H77				
	PLOT DATE = 10/16/2017	DATE - 9/26/2017	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

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- 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.

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

48"
36" MAINTAIN
WORK ZONE
SPEED LIMIT

- ↑ 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.

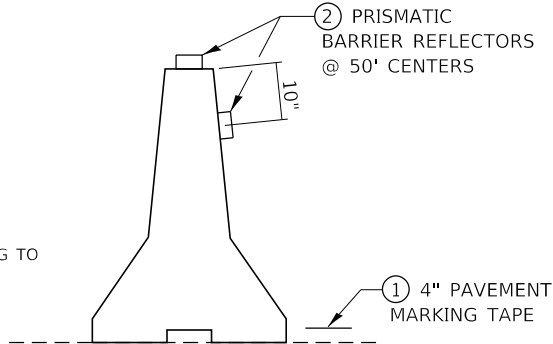
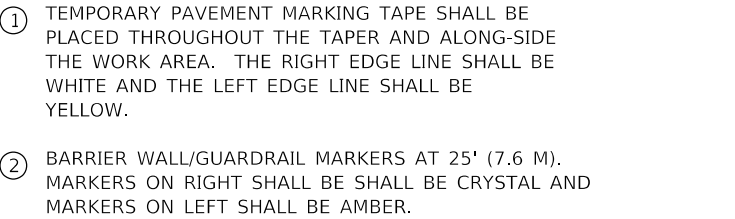
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PLOT DATE = 10/16/2017	DATE - 9/26/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION 701400 (SPECIAL)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-6HB)BP	BUREAU	12	6
CONTRACT NO. 66H77				
ILLINOIS FED. AID PROJECT				



SYMBOLS



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 (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

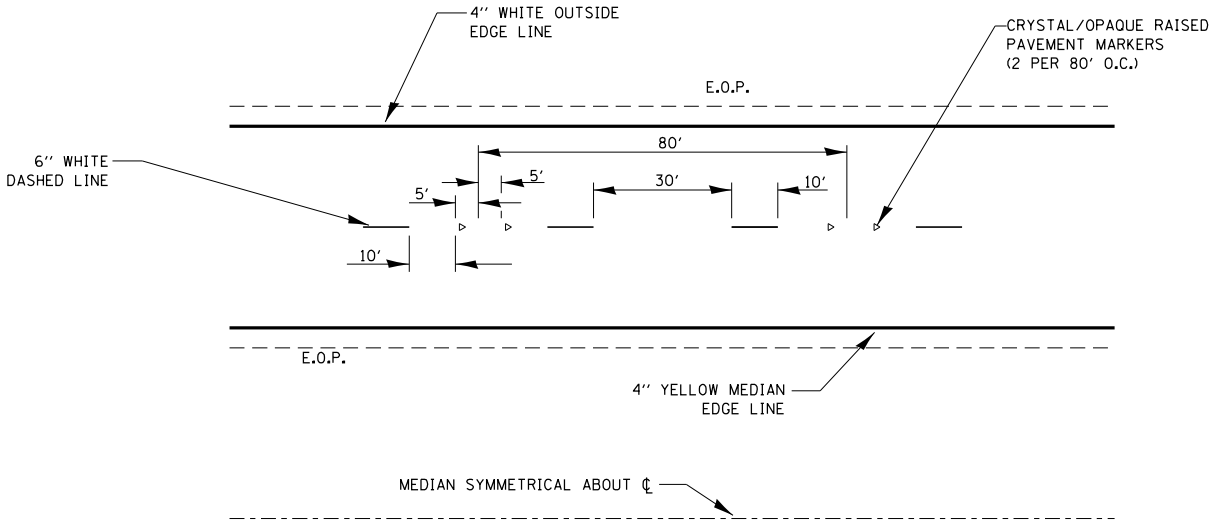
45 MPH OR MORE $L=(W)(S)$

W = WIDTH OF OFFSET
IN FEET (METERS).

S = NORMAL POSTED SPEED
IN MPH (KM/H).

SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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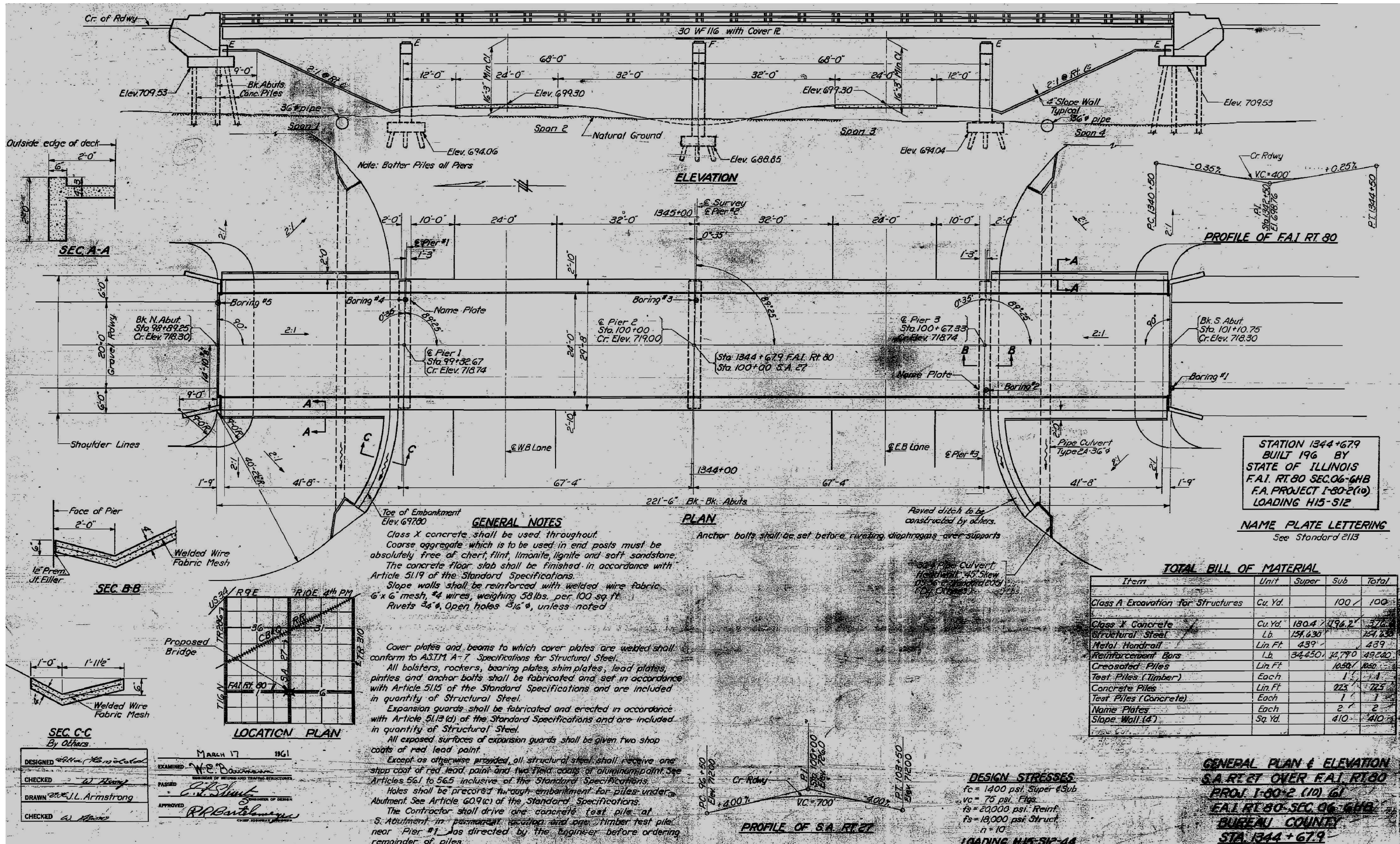
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-6HB)BP	BUREAU	12	7
		CONTRACT NO. 66H77		
ILLINOIS		FED. AID PROJECT		



TYPICAL PAVEMENT MARKINGS

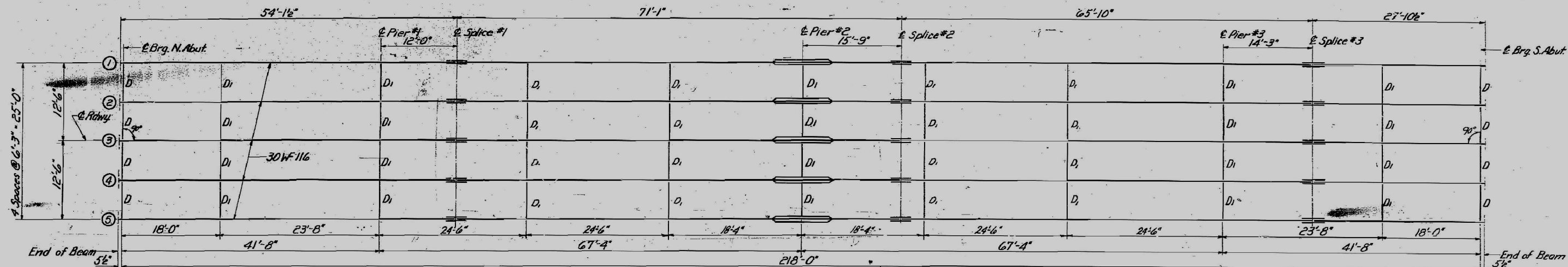
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		DRAWN - RW	REVISED -					80	(06-6HB)BP	BUREAU	12	8
	PLOT SCALE = 100.0000 ' / in.	CHECKED - EP	REVISED -					CONTRACT NO. 66H77				
	PLOT DATE = 10/16/2017	DATE - 9/26/2017	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

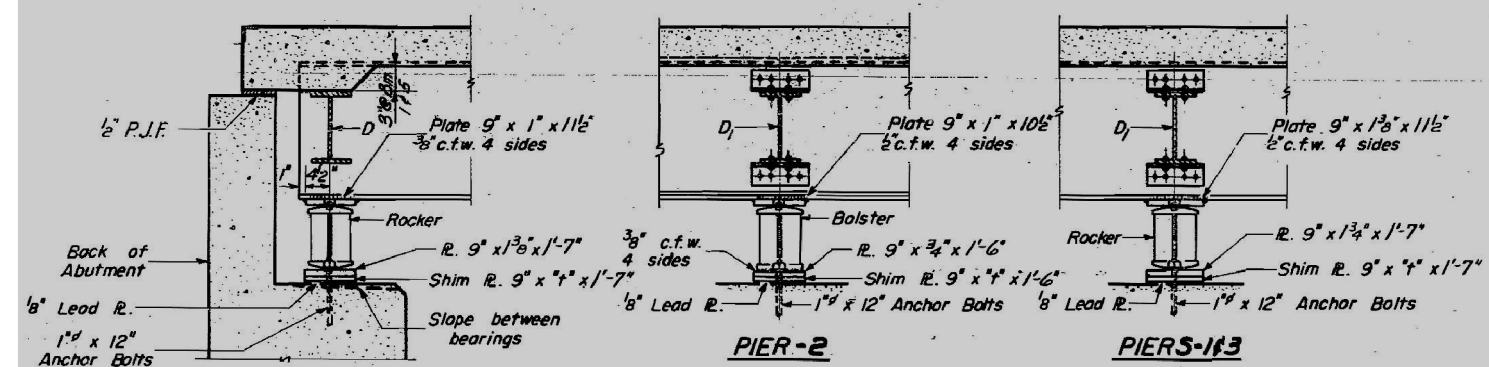


FOR INFORMATION ONLY

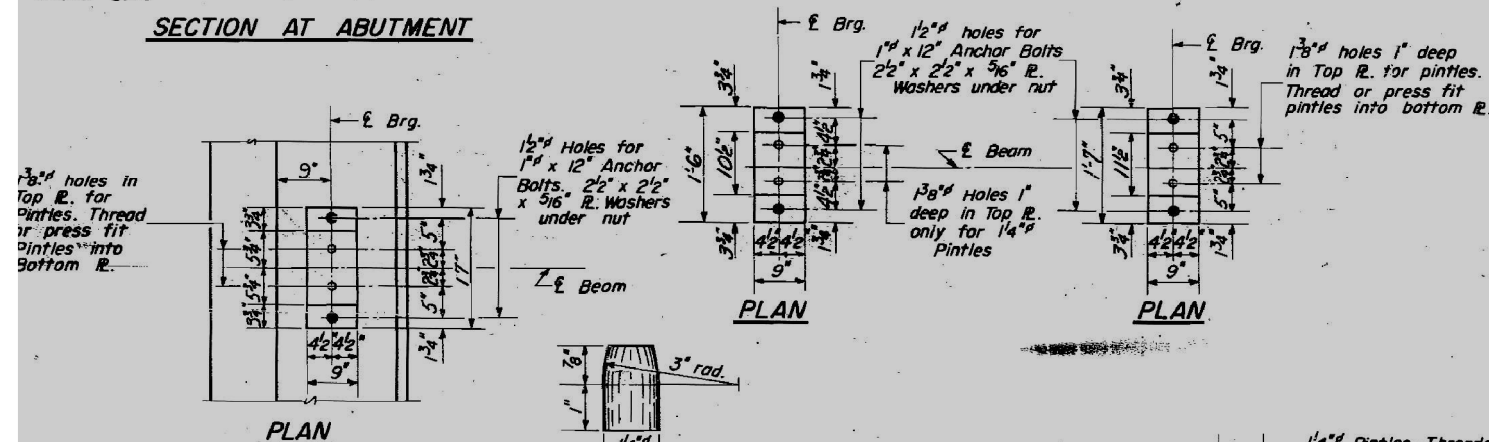
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PLOT DATE = 10/16/2017	CHECKED - EP	REVISED -	SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				
	DATE - 9/26/2017	REVISED -		CONTRACT NO. 66H77				



PLAN OF STRUCTURAL STEEL



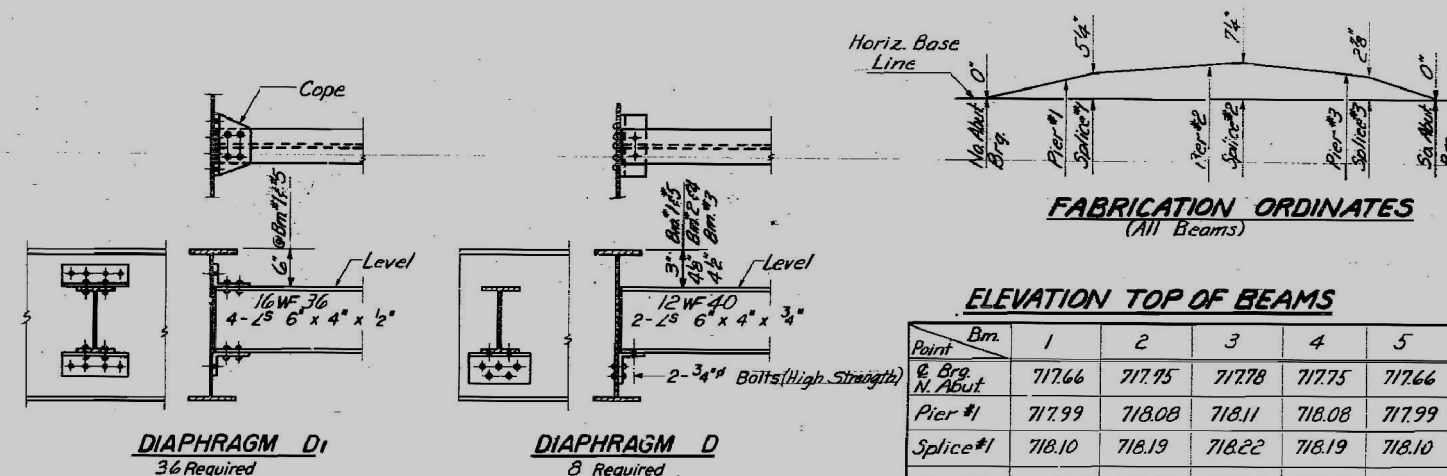
SECTION AT ABUTMENT



PIER-2



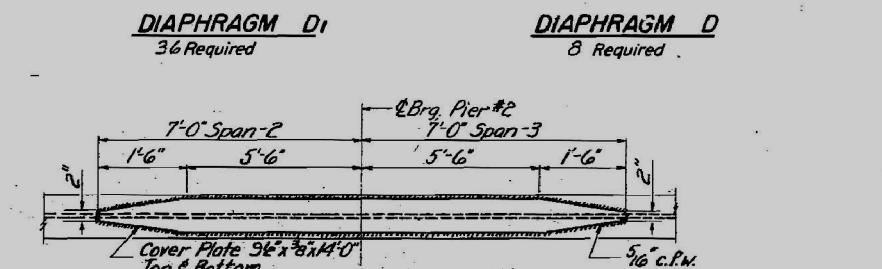
PIERS-143



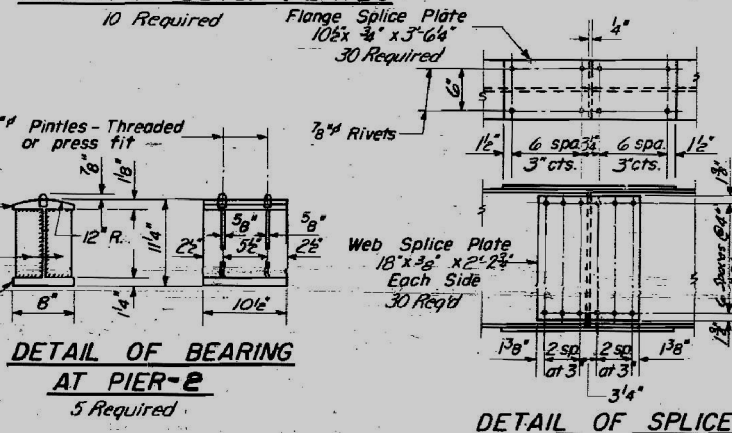
FABRICATION ORDINATES
(All Beams)

ELEVATION TOP OF BEAMS

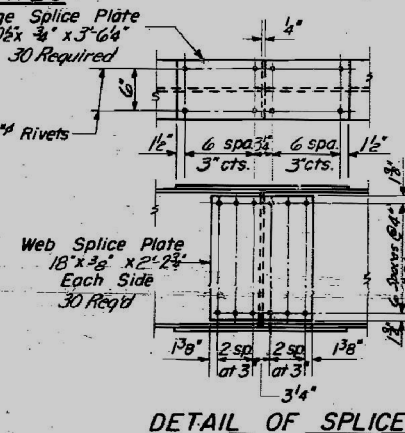
Point	Bm.	1	2	3	4	5
6. Brg.	N. Abut	717.66	717.95	717.78	717.75	717.66
Pier #1		717.99	718.08	718.11	718.08	717.99
Splice #1		718.10	718.19	718.22	718.19	718.10
Pier #2		718.22	718.31	718.34	718.31	718.22
Splice #2		718.26	718.35	718.38	718.35	718.26
Pier #3		717.98	718.07	718.10	718.07	717.98
Splice #3		717.90	717.99	718.02	717.99	717.90
6. Brg.	N. Abut	717.66	717.75	717.78	717.75	717.66



DETAIL OF COVER PLATES



DETAIL OF BEARING
AT PIER-2



DETAIL OF SPLICE

TABLE OF "t" DIMENSIONS

Beams	Shim R.
1-2-4-5	0"
3	$\frac{3}{8}$ "

STRUCTURAL STEEL
S.A. RT. 27 OVER F.A. RT. 80
F.A. RT. 80 SEC. 06-6NB
BUREAU COUNTY
STA. 1344+67.9

S.A. RT.27 OVER F.A.I. RT.80

F.A.I. RT.80 SEC. 06-6HB

BUREAU COUNTY

STA. 1344+67.9

FOR INFORMATION ONLY



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-6HB)BP	BUREAU	12	12
		CONTRACT NO. 66H77		
ILLINOIS		FED. AID PROJECT		