

INDEX OF SHEETS

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2. GENERAL NOTES
- 3-4. SUMMARY OF QUANTITIES
5. TYPICAL SECTIONS
6. TRAFFIC CONTROL AND PROTECTION STANDARD 701402
7. PAVEMENT STRIPING
- 8-10. STRUCTURE PLANS FOR STRUCTURE NO. 006-0069

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701001-02 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
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701400-08 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701402-10 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
- 701428 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
- 701901-04 TRAFFIC CONTROL DEVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAS 2247 (US 6)
SECTION (06-1HB-2)BP
STRUCTURAL STEEL CLEANING AND PAINTING
BUREAU COUNTY

C-93-122-15

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2247	(06-1HB-2)BP	BUREAU	10	1
		ILLINOIS	CONTRACT NO. 66E90	

D-93-060-15



RURAL		RURAL	
MAJOR COLLECTOR		INTERSTATE	
F.A.S. 2247 (US 6)		F.A.I. 180 (I-180)	
2013		2013	
ADT	3250	ADT	2900
P.V.	90.31%	P.V.	81.72%
S.U.	7.85%	S.U.	7.07%
M.U.	1.85%	M.U.	11.21%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

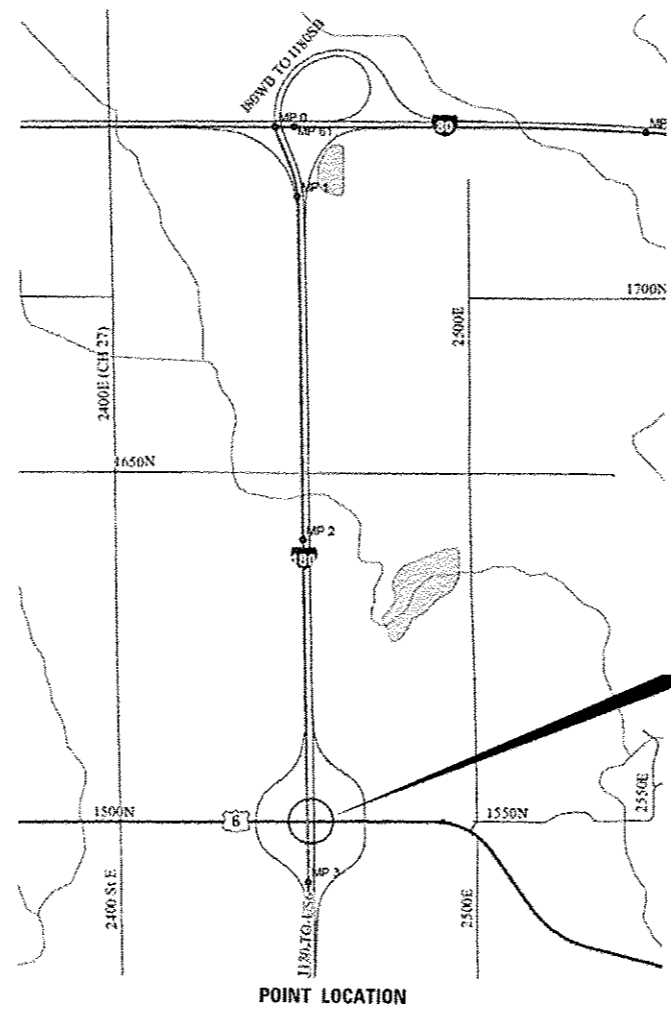
SUBMITTED Dec 15th 2015

Paul C. [Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

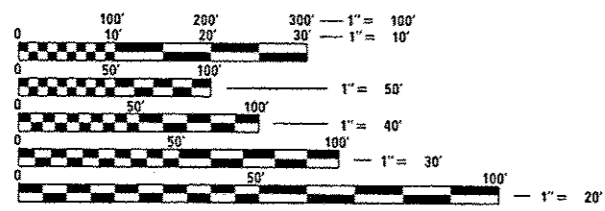
Jan 29 2016
Maureen M. Adels [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 29 2016
Omer Osman [Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



PROJECT LOCATION
S.N. 006-0069
STA. 30 + 00.00
OVER I-180
2.01 MILES SOUTH
OF I-80



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
TOWNSHIP: SELBY
CONTRACT NO. 66E90

GENERAL NOTES

1. STRUCTURE NO. 006-0069 SHALL BE DESIGNATED AS "LOCATION 1".

2. 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.

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

4. 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".)

5. 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.
 - c) 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.
 - d) 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 4/8.

6. 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.

7. 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 109.09 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: December 15, 2015

PREPARED BY: Tom Beaul
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Michael J. [Signature]
DISTRICT CONSTRUCTION ENGINEER

Wesley [Signature]
DISTRICT MATERIALS ENGINEER

James A. [Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME * pletschr	DESIGNED - ZJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED - RW	REVISED -			2247	106-1HB-2IBP	BUREAU	10	2	
		DATE - 7/20/15	REVISED -			SCALE: _____	SHEET 1 OF 1 SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 66E90		
						ILLINOIS FED. AID PROJECT					

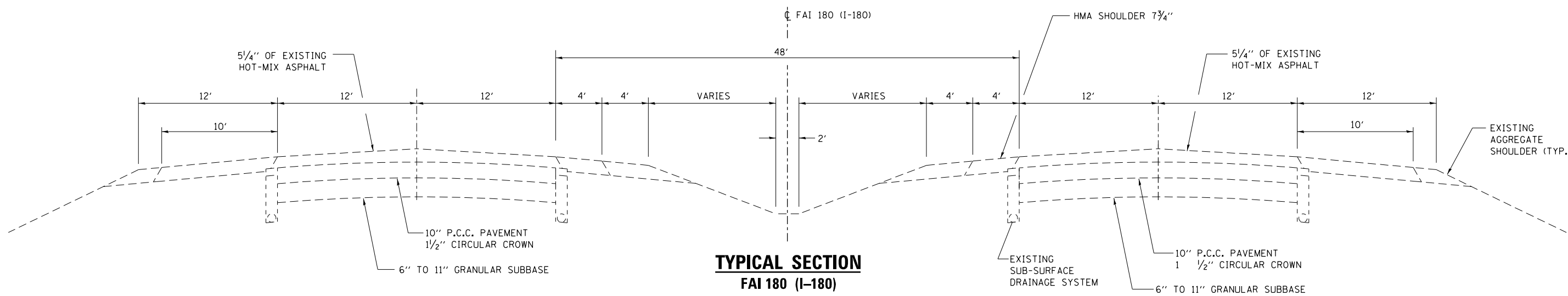
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				BRIDGE PAINT ONLY
				100% STATE BRIDGE
				0014
				S. N. 006-0069
67100100	MOBILIZATION	LSUM	1	1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	313	313
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	939	939
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	3	3
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1392	1392
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	889	889
78300100	PAVEMENT MARKING REMOVAL	SQ FT	905	905
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	LSUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	LSUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	LSUM	1	1

M

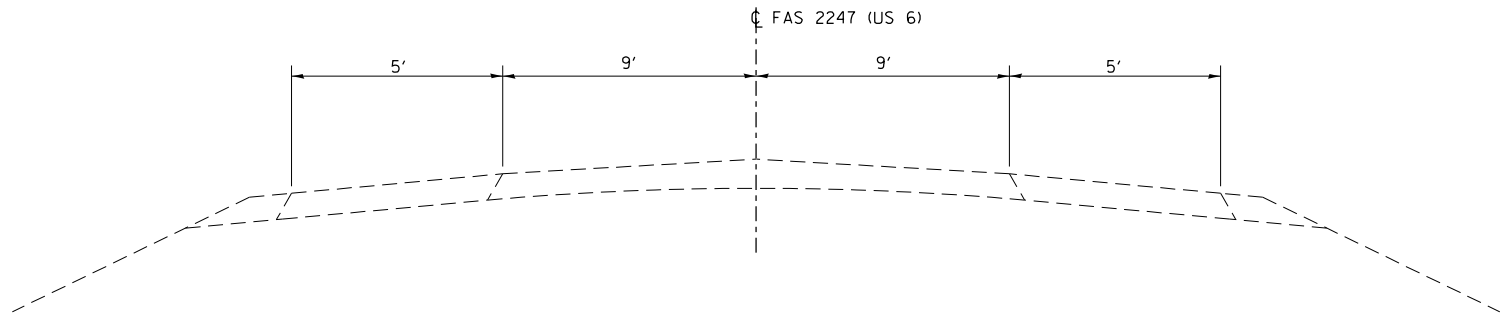
*SPECIALITY ITEMS

FILE NAME : p:\10846101\HEG, Illinois.gov\PN1001-00	USER NAME : woodshankrj	DESIGNED - Z.JL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. R.T.E. 2247	SECTION 106-1HB-218P	COUNTY BUREAU	TOTAL SHEETS 10	SHEET NO. 3		
Documents\1001 Offices\District 3\Projects\036	DRAWN: ota\0xxxx\2\ht-detail.dgn	CHECKED - RW	REVISED -			SCALE: _____	SHEET 1 OF 1 SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 66E90			
PLOT SCALE = 1/8"=1'-0"	DATE - 7/20/15	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						
Default	PLOT DATE = 12/16/2015	REVISED -	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				BRIDGE PAINT ONLY 100% STATE BRIDGE 0014 S. N. 006-0069
X7010410	SPEED DISPLAY TRAILER	CAL MO	2	2

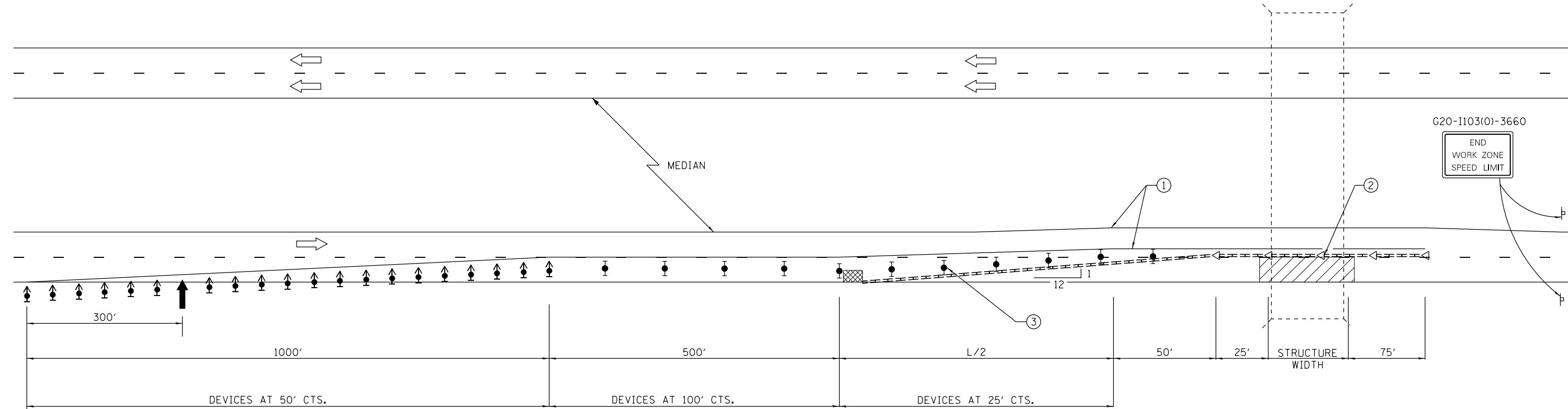


TYPICAL SECTION
FAI 180 (I-180)



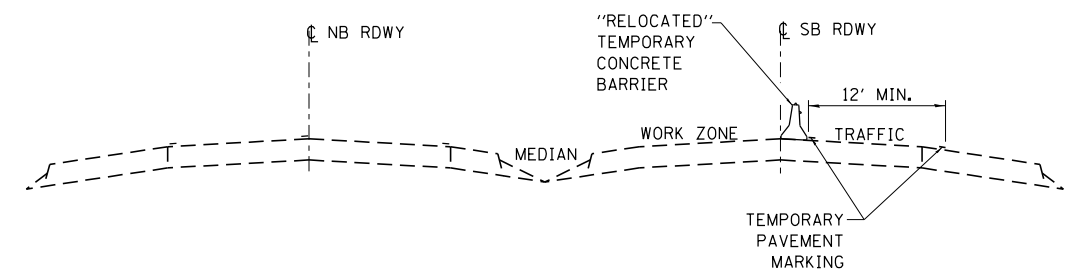
TYPICAL SECTION
FAS 2247 (US 6)

FILE NAME =	USER NAME = pletschr	DESIGNED - ZJL	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.S. RTE. 2247	SECTION 06-1HB-2IBP	COUNTY BUREAU	TOTAL SHEETS 10	SHEET NO. 5
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Default		DATE - 7/20/15	REVISED - _____		ILLINOIS FED. AID PROJECT							

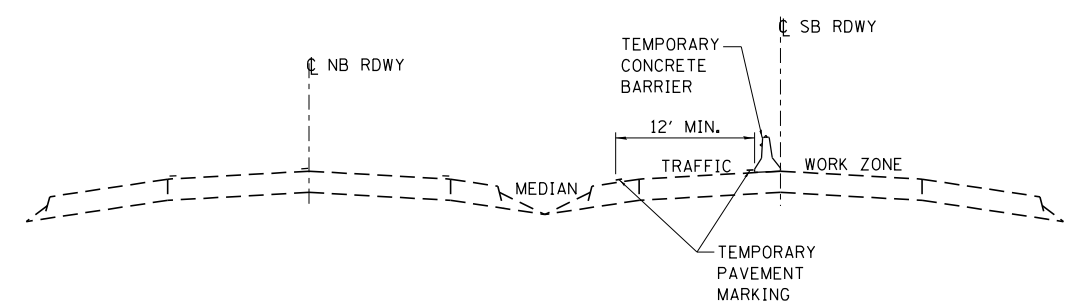


G20-I103(O)-3660
END WORK ZONE SPEED LIMIT

SEE STANDARD 701400 FOR APPROACH START OF LANE CLOSURE TAPER



**ROADWAY SECTION
RIGHT LANE CLOSED**



**ROADWAY SECTION
LEFT 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 ENCRONCH 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).	

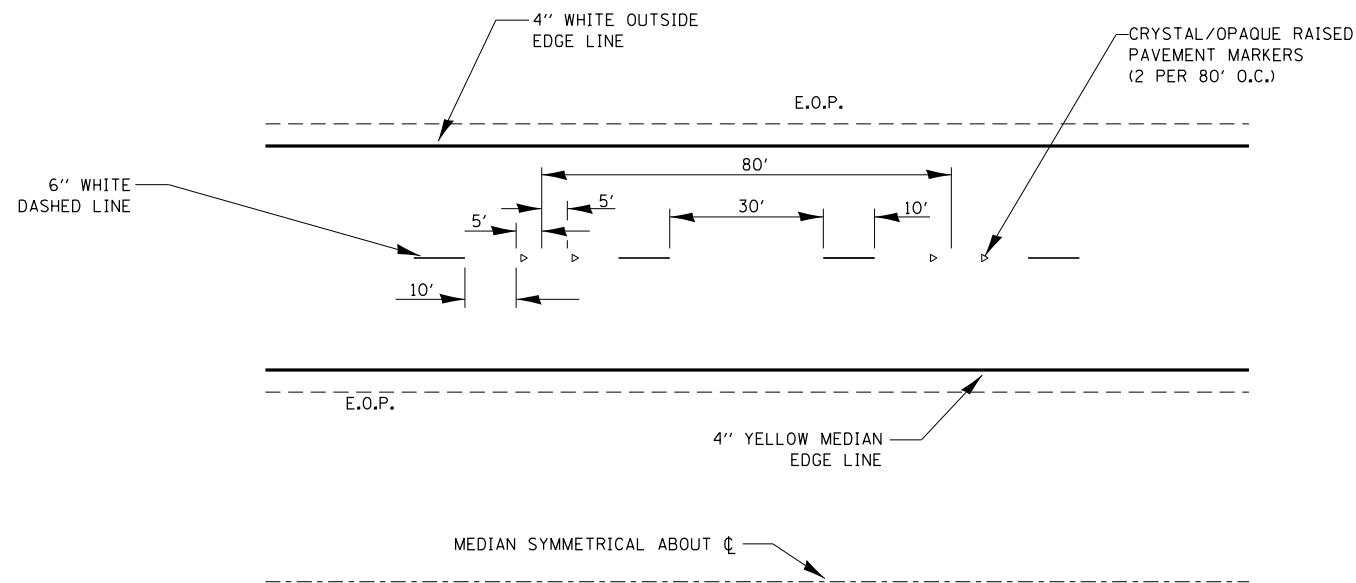
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Default	PLOT SCALE = 100.0000' / in.	DATE - 7/20/15	REVISED - _____
	PLOT DATE = 12/15/2015		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

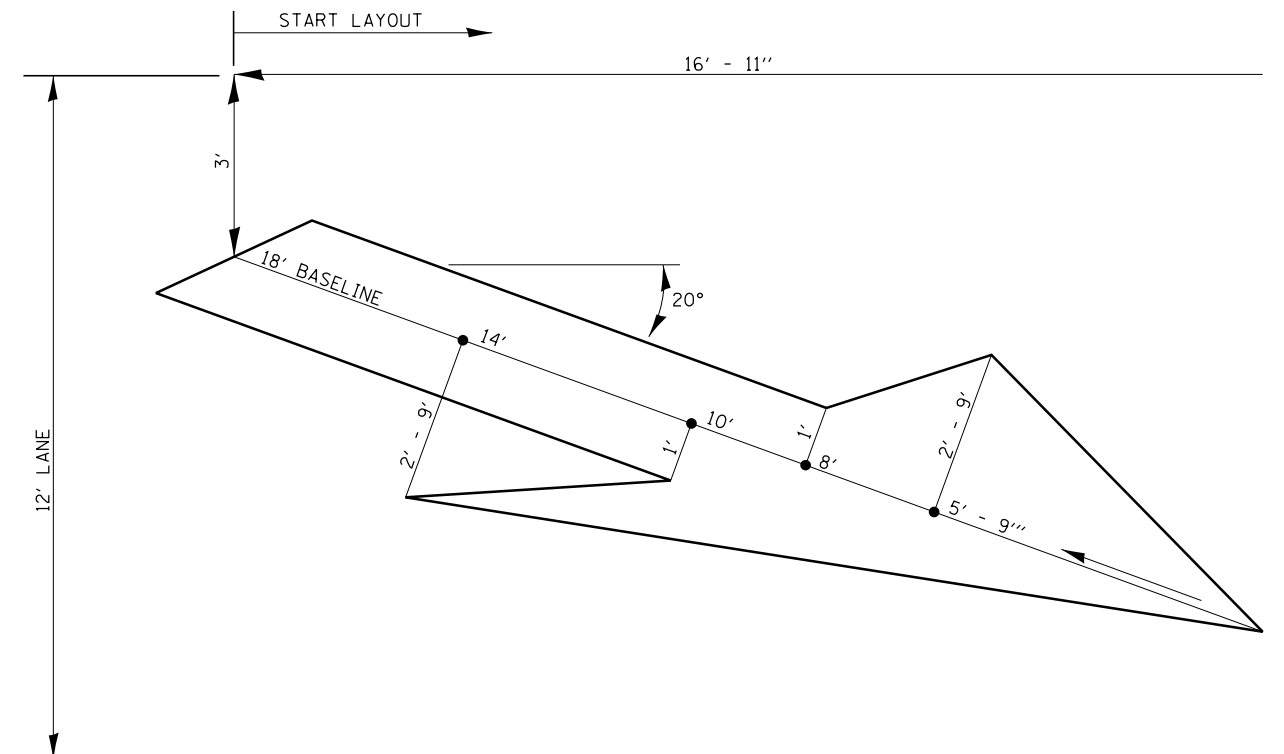
**TRAFFIC CONTROL AND PROTECTION
STANDARD 701402**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2247	106-1HB-2/BP	BUREAU	10	6
CONTRACT NO. 66E90				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKINGS



LARGE MERGE ARROWS
42 Sq. Ft.

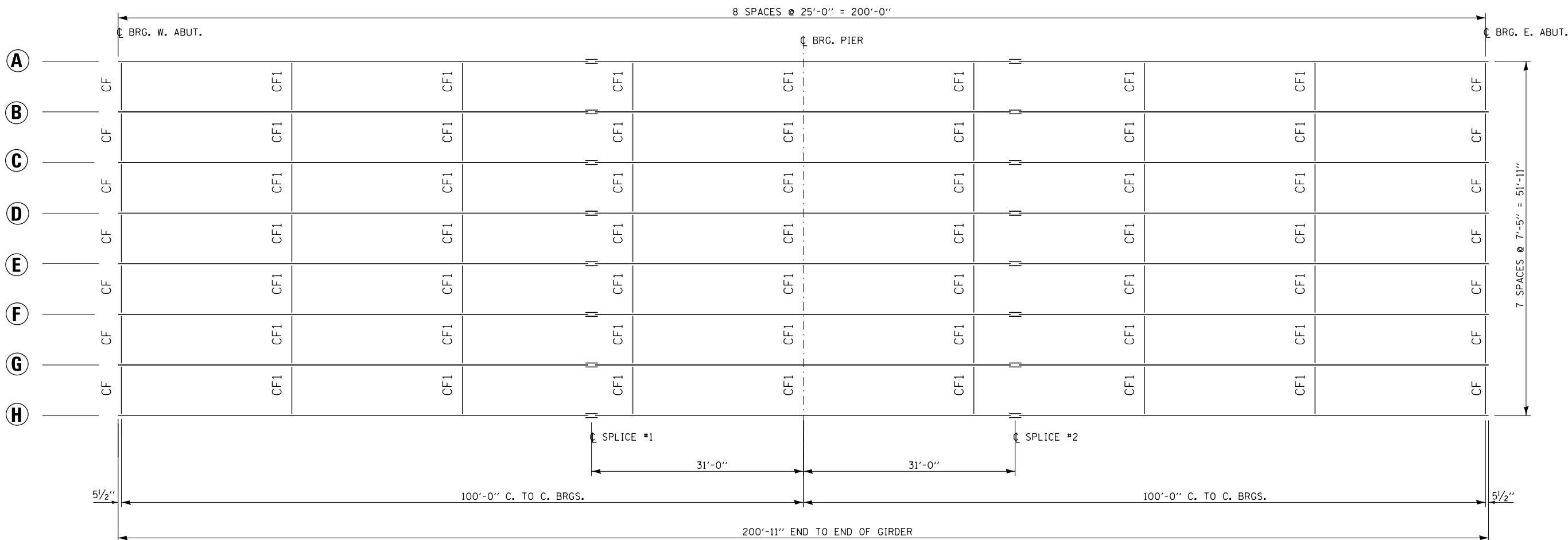
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

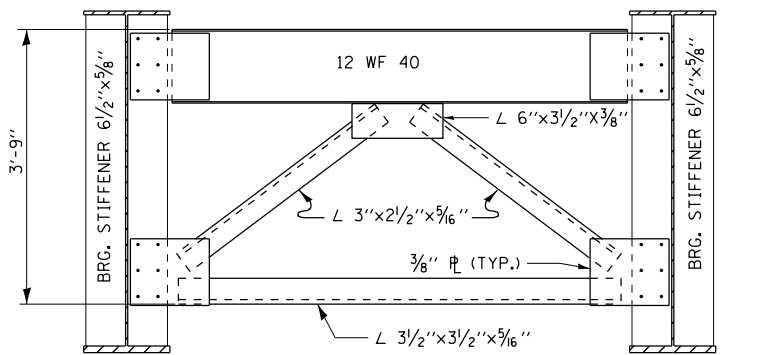
PAVEMENT STRIPING

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

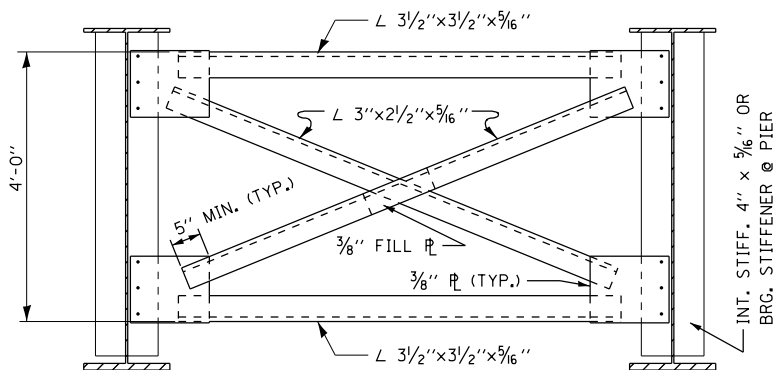
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2247	106-1HB-2IBP	BUREAU	10	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66E90	



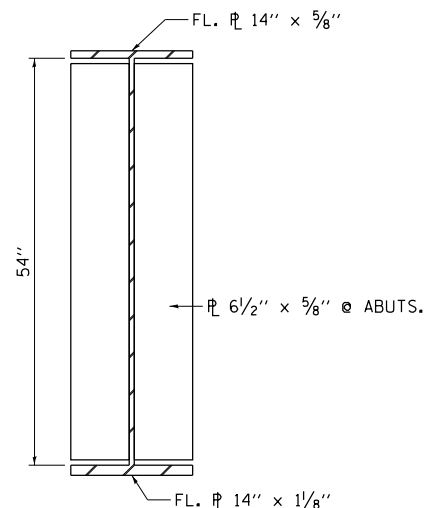
STRUCTURAL STEEL FRAMING PLAN



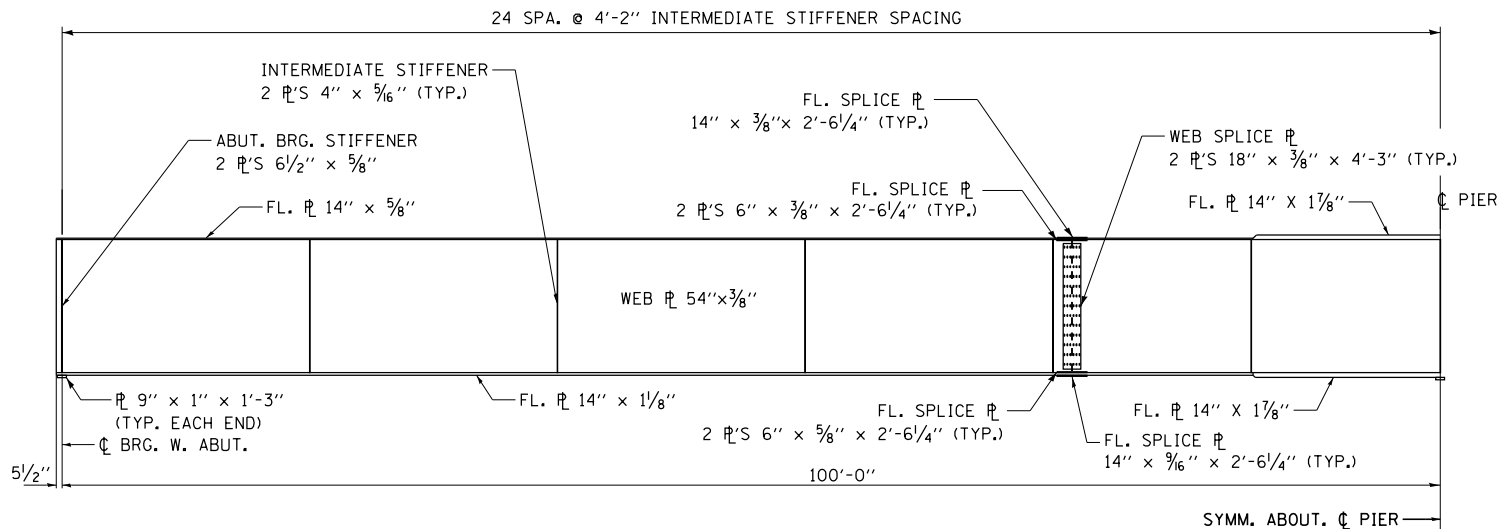
CROSS FRAME CF



CROSS FRAME CF1



GIRDER SECTION



ELEVATION OF GIRDER

FOR INFORMATION ONLY

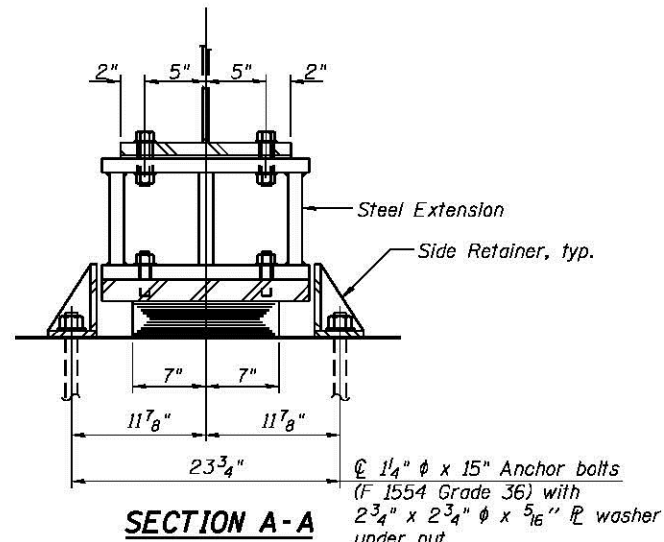
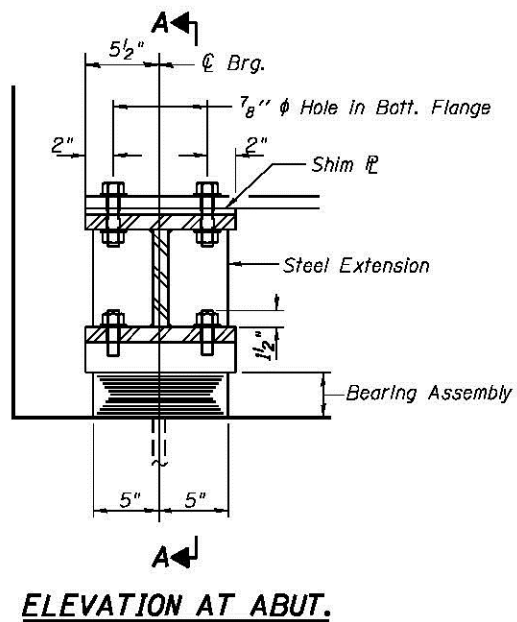
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	PLOT DATE = 12/15/2015		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURE PLANS FOR
STRUCTURE NO. 006-0069**

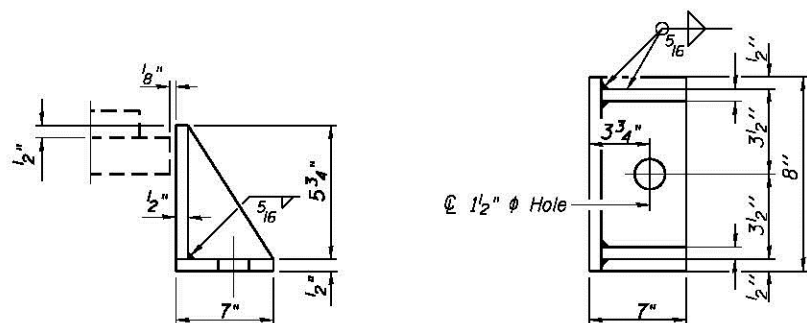
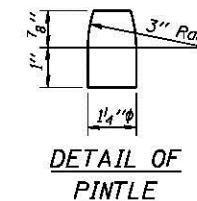
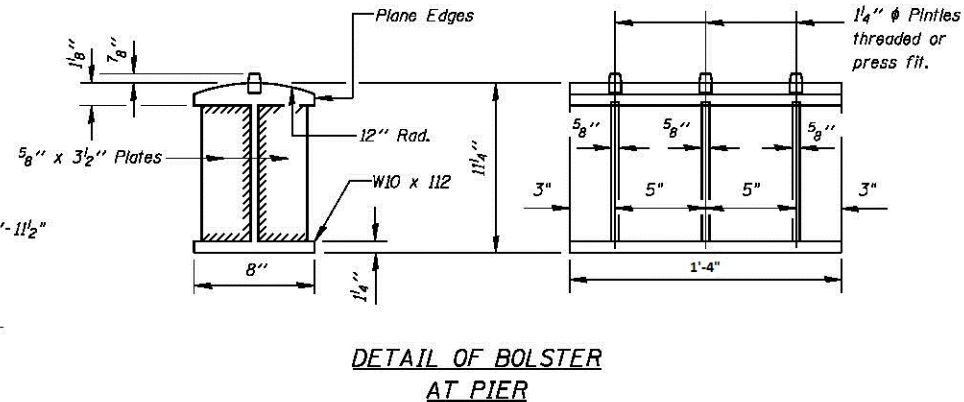
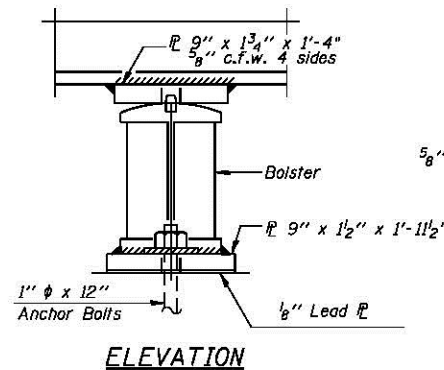
SCALE: SHEET 2 OF 3 SHEETS STA. 28+98.21 TO STA. 31+43.29

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2247	106-1HB-2IBP	LASALLE	10	9
CONTRACT NO. 66E90				
ILLINOIS FED. AID PROJECT				

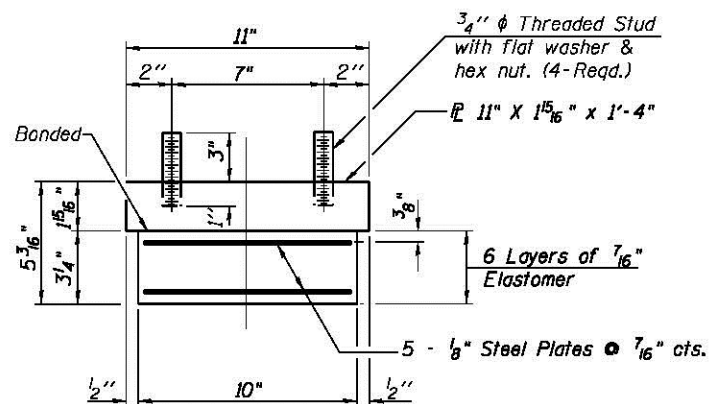


Ø 1 1/4" Ø x 15" Anchor bolts (F 1554 Grade 36) with 2 3/4" x 2 3/4" Ø x 5/16" PL washer under nut

TYPE I ELASTOMERIC EXP. BRG.

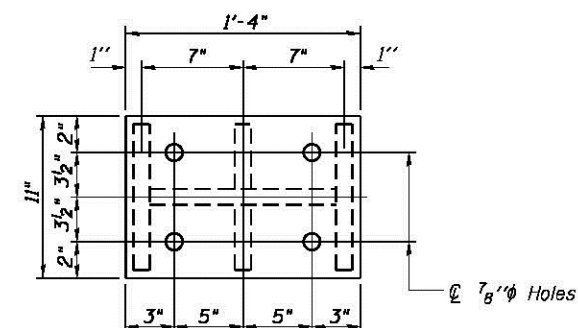
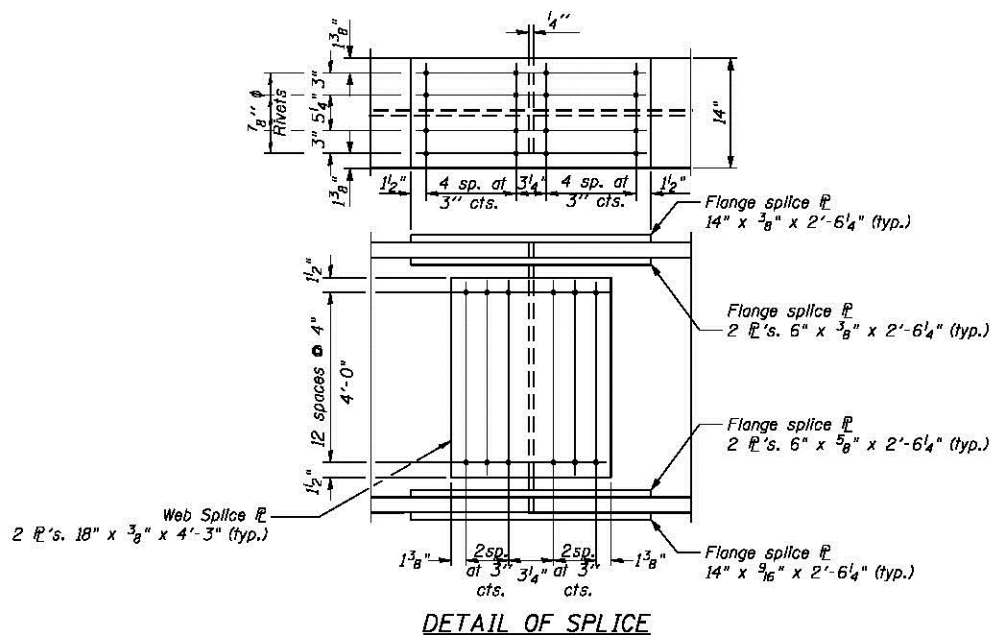


Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

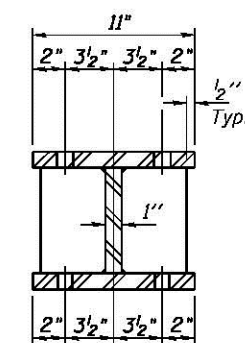


BEARING ASSEMBLY

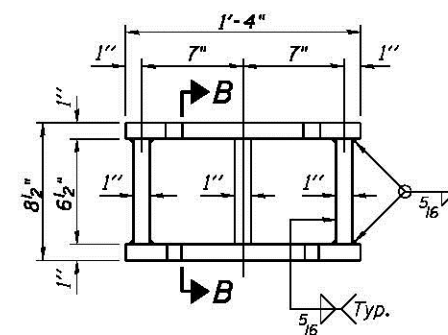
Note: Shim plates shall not be placed under Bearing Assembly.



PLAN TOP AND BOTTOM PLATE



SECTION B-B



STEEL EXTENSION DETAIL

FOR INFORMATION ONLY

FILE NAME =	USER NAME = p1stachtr	DESIGNED - ZJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE PLANS FOR STRUCTURE NO. 006-0069			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -					2247	106-1HB-21BP	LASALLE	10	10
	PLOT DATE = 12/15/2015	DATE -	REVISED -					CONTRACT NO. 66E90				
								ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET 3	OF 3 SHEETS	STA. 28+98.21	TO STA. 31+43.29				