

INDEX OF SHEETS

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6. TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)
7. TYPICAL PAVEMENT MARKING
- 8 - 10. EXISTING STRUCTURE PLANS FOR STRUCTURE NO. 006-0122 "FOR INFORMATION ONLY"

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
- 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 ≥ 45 MPH
- 701426-09 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
- 701901-06 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

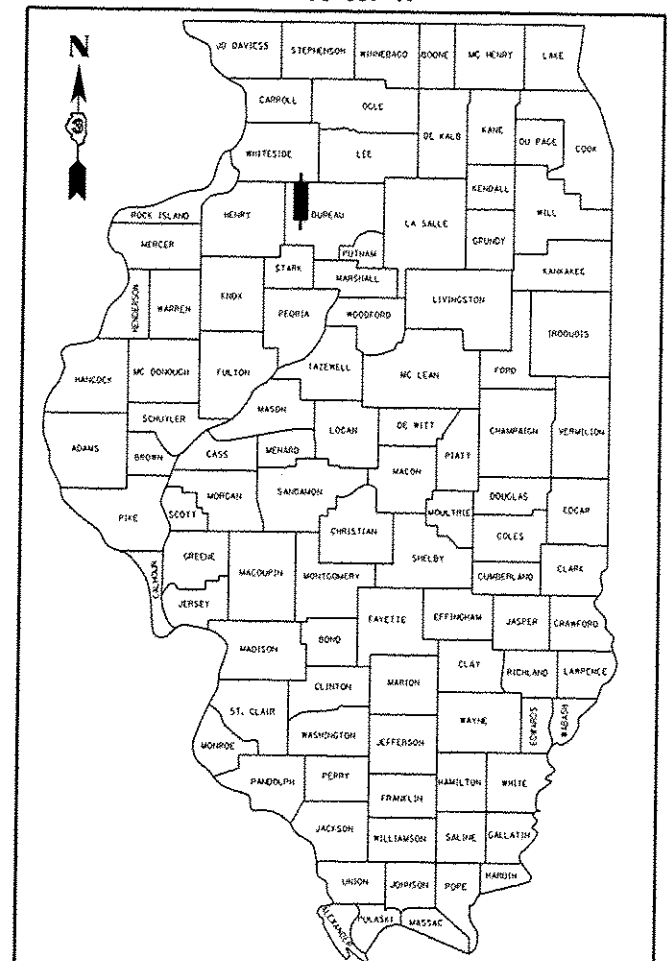
**PROPOSED
HIGHWAY PLANS**

F.A.I. 80 (I-80)
SECTION (06-1HB-1)BP
BRIDGE PAINTING
BUREAU COUNTY

C-93-039-17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	06-1HB-1)BP	BUREAU	10	1
		ILLINOIS	CONTRACT NO. 66H17	

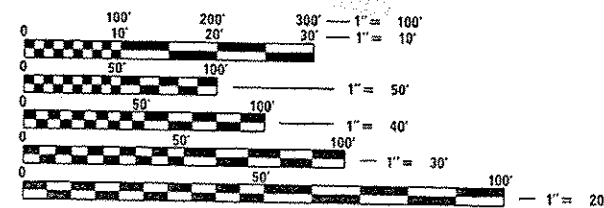
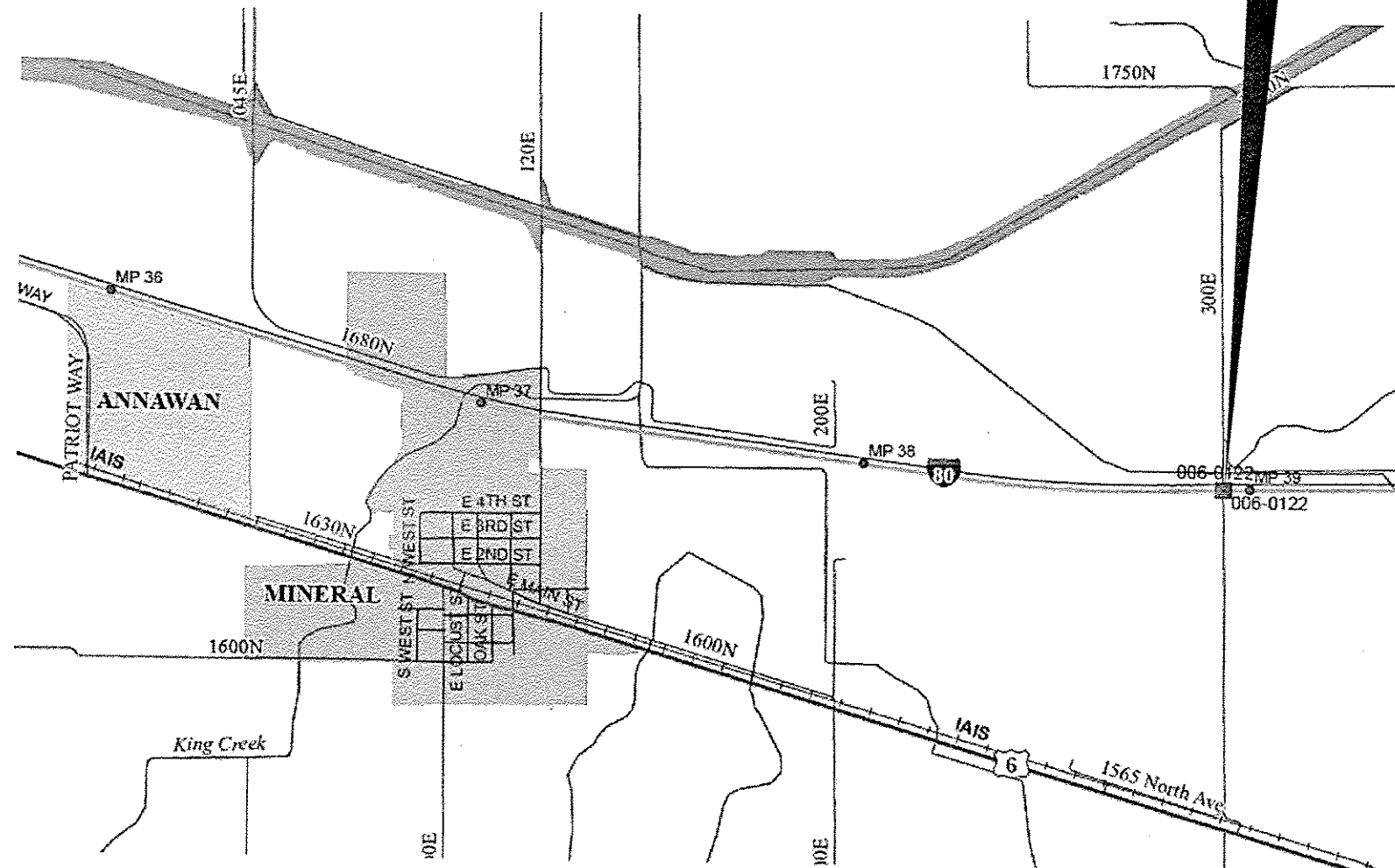
D-93-037-17



LOCATION OF SECTION INDICATED THUS:

PROJECT LOCATION

STRUCTURE NO. 006-0122
CARRYING TR 40 (300E. RD.)
OVER I-80 AND STREAM
6.0 MILES WEST OF IL 40



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 NO. (815) 434-6131
PROJECT ENGINEER: JOE KANNEL, P.E.
UNIT CHIEF: RON WOODSHANK
CONTRACT NO. 66H17

RURAL - INTERSTATE		RURAL - LOCAL ROAD	
I-80 ADT YR 2015		TR 40 ADT YR 2006	
ADT	16500	ADT	75
P.V	43%	P.V	87%
S.U	11%	S.U	13%
M.U	46%	M.U	0%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 2-9-2017
K. Mauch
REGIONAL ENGINEER

Mar 24 2017
M. M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 24 2017
Tracie Allen
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. 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.
2. STRUCTURE NO. 008-0122 SHALL BE DESIGNATED AS "LOCATION 1". ESTIMATED AREA OF STRUCTURAL STEEL = 15,725 SQ FT.
3. THE SSPC-QP1 AND SSPC-QP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.
4. 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".)
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.
 - 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 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 PAINTED PER THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/EU".
 - 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.
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: 2-9-17

PREPARED BY: *Tom Beniel*
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: *Joe Wick*
DISTRICT CONSTRUCTION ENGINEER

Steve [Signature]
DISTRICT MATERIALS ENGINEER

Tom [Signature]
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100,0000' / in.		CHECKED - RW	REVISED -			CONTRACT NO. 66H17					
PLOT DATE = 2/4/2017		DATE - 1/4/17	REVISED -			ILLINOIS FED. AID PROJECT					
Default				SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.		

RURAL

CONSTR. CODE
 B. P. O.
 100% STATE ✓
 BRIDGE
 0014 ✓
 S. N. 006-0122

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	LSUM	1	1
67100100	MOBILIZATION	LSUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	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
70800105	TEMPORARY WATER FILLED BARRIER	FOOT	325	325
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	540	540
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	270	270
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	LSUM	1	1
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	1	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	LSUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42

12

*SPECIALITY ITEMS

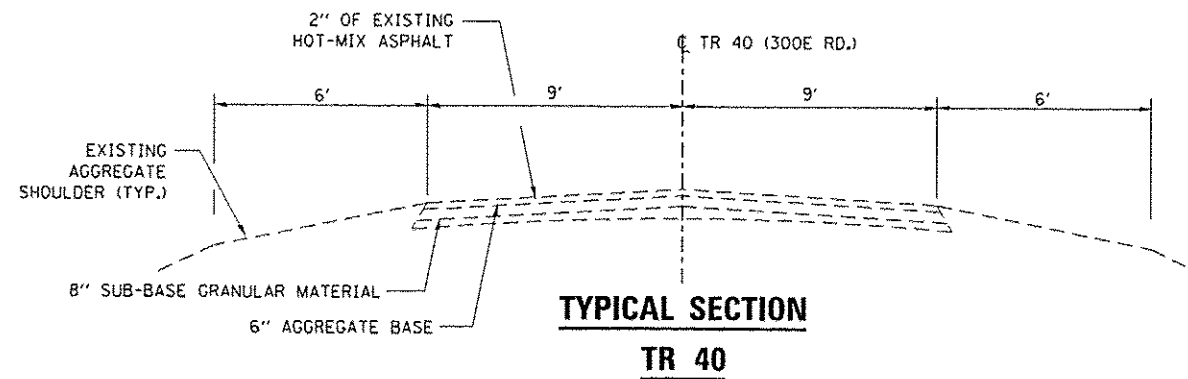
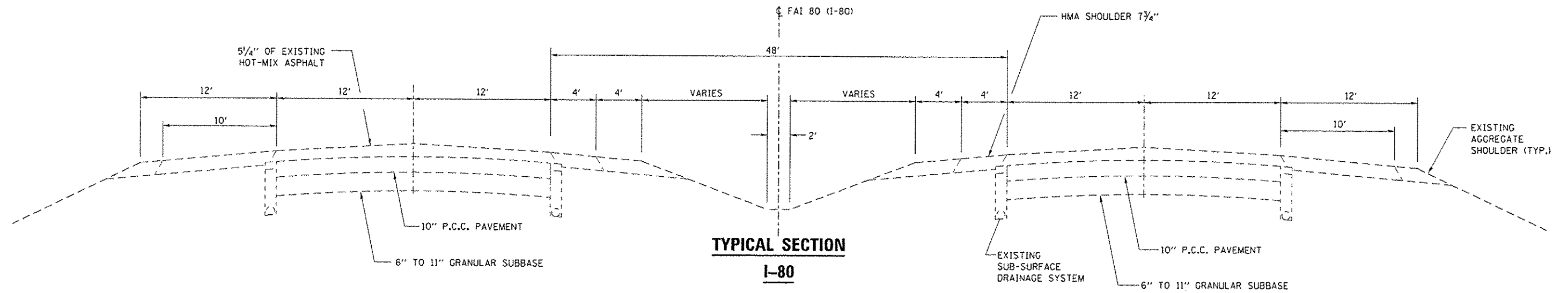
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	PLOT DATE = 2/9/2017	RW	
	DATE -	1-4-17	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	106-1HB-1)BP	BUREAU	10	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66H17	



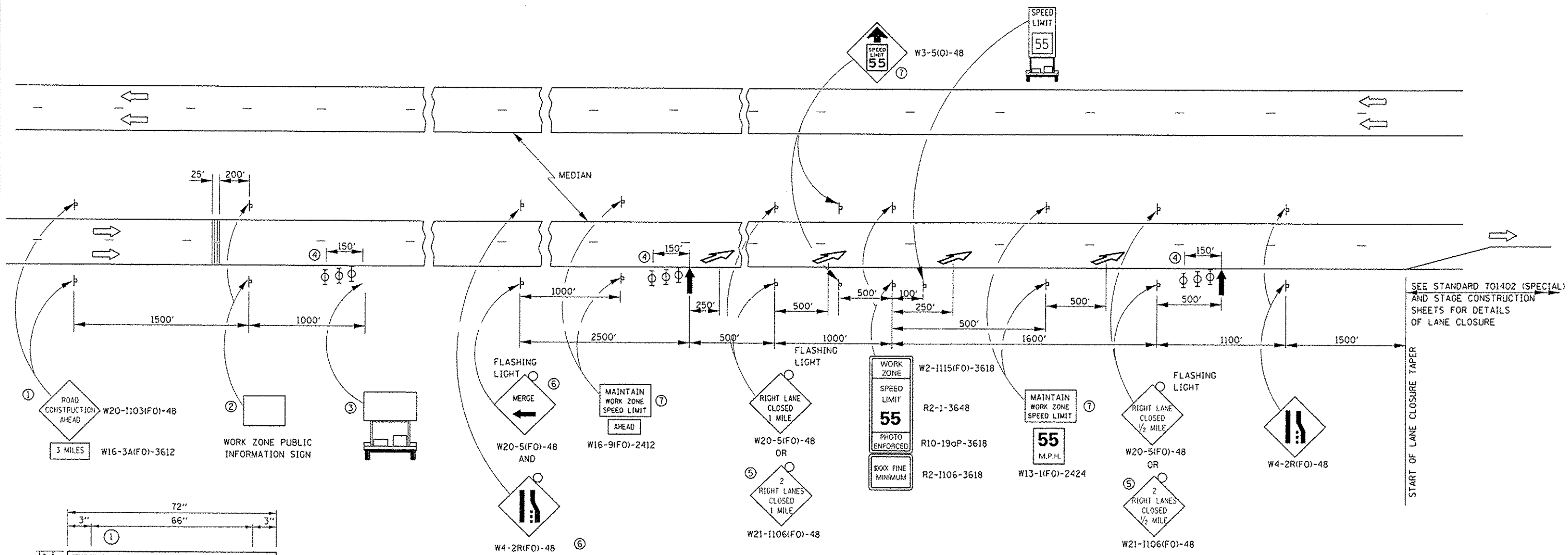
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

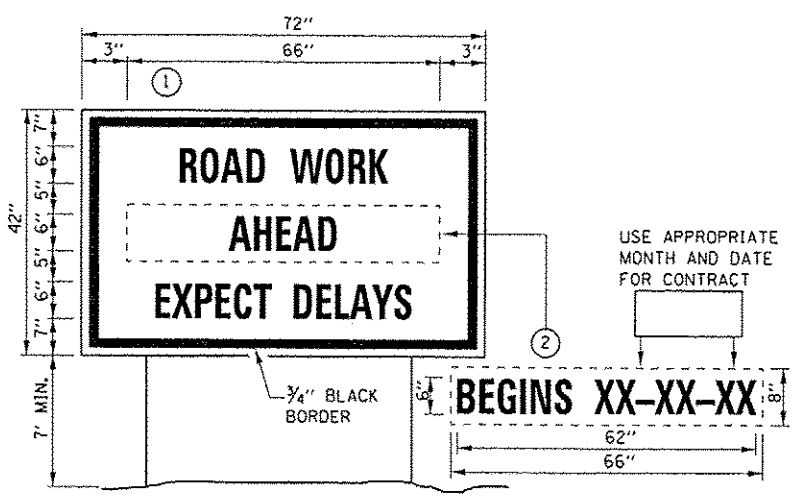
TYPICAL SECTIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	105-1HB-1)BP	BUREAU	10	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66H17	



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

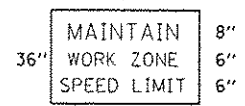


TEMPORARY INFORMATION SIGNING

- 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 50 FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21.50 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:

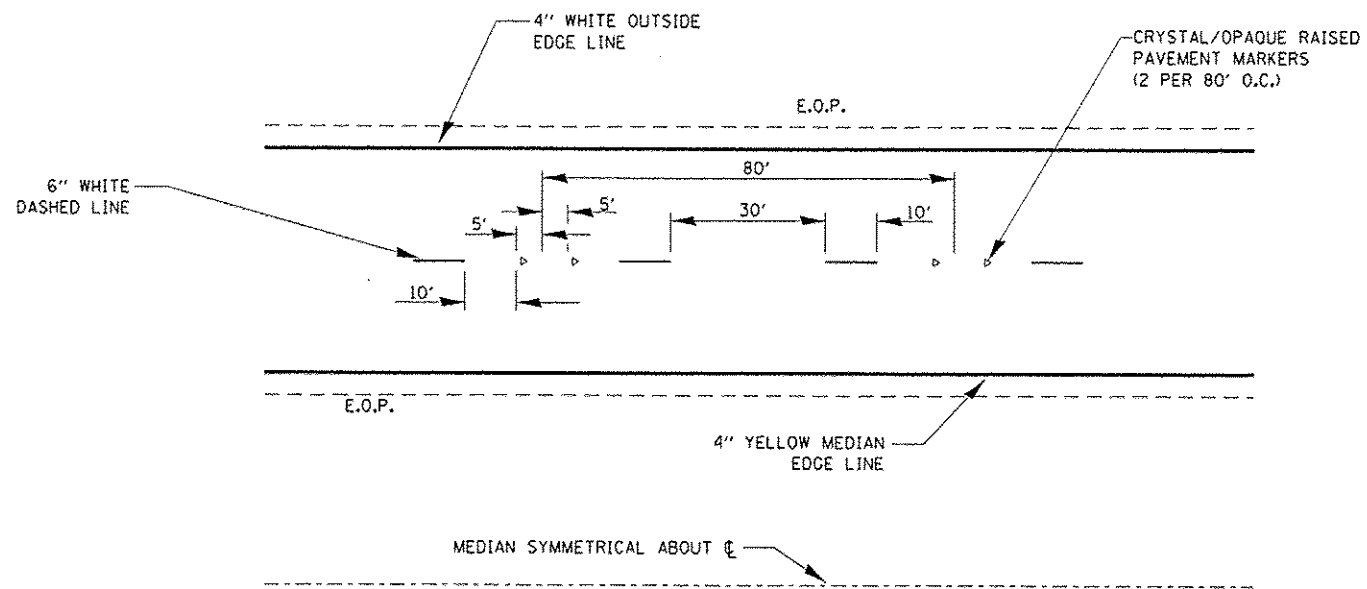
THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

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

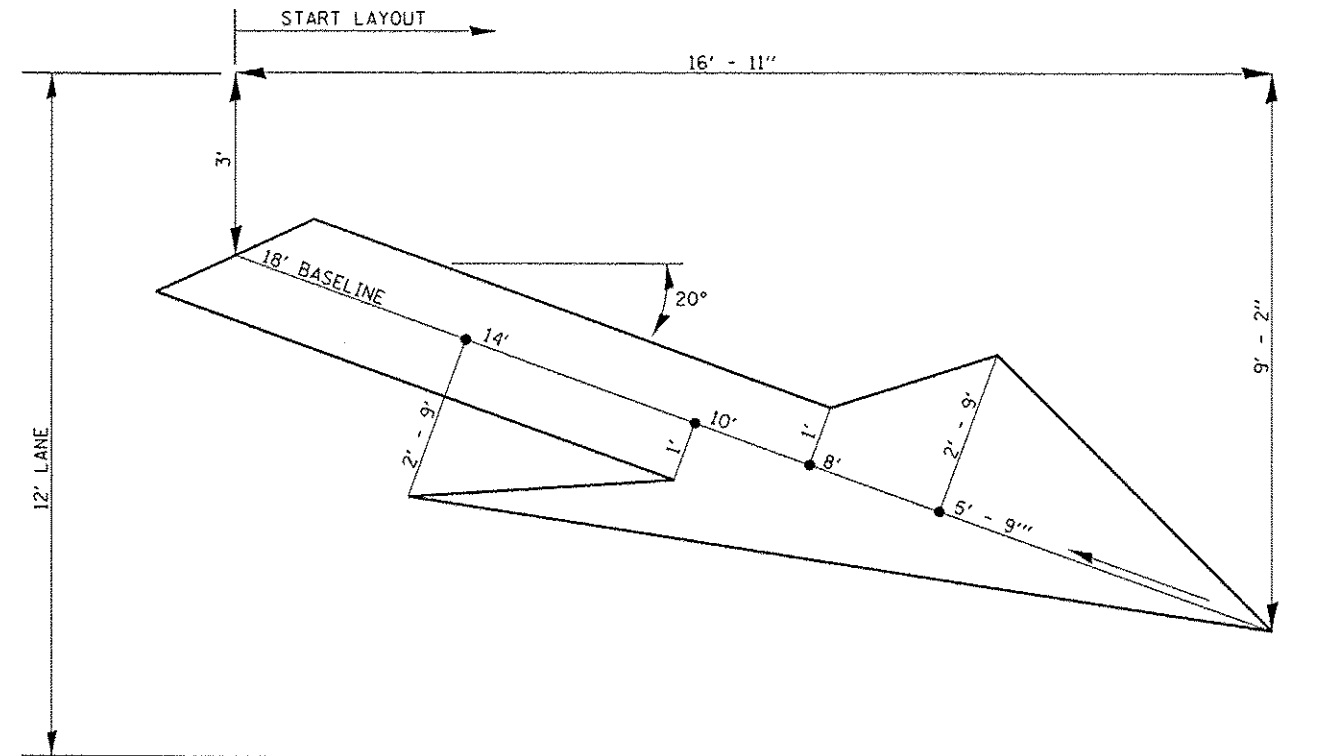
THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

FILE NAME :	USER NAME : woodshankr1	DESIGNED A:JE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION STANDARD 701400 (SPECIAL)			F.A.I. RTE. 80	SECTION 106-1HB-1BP	COUNTY BUREAU	TOTAL SHEETS 10	SHEET NO. 5
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	PLOT SCALE = 1/8"=1'-0"	CHECKED RW	REVISED -									
	PLOT DATE = 2/4/2017	DATE 1-9-17	REVISED -									



TYPICAL PAVEMENT MARKINGS



LARGE MERGE ARROWS
42 Sq. Ft.

FILE NAME =	USER NAME = woodthorpe	DESIGNED - AJE	REVISED -
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	PLOT DATE = 2/4/2017	DATE 1-4-17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT STRIPING

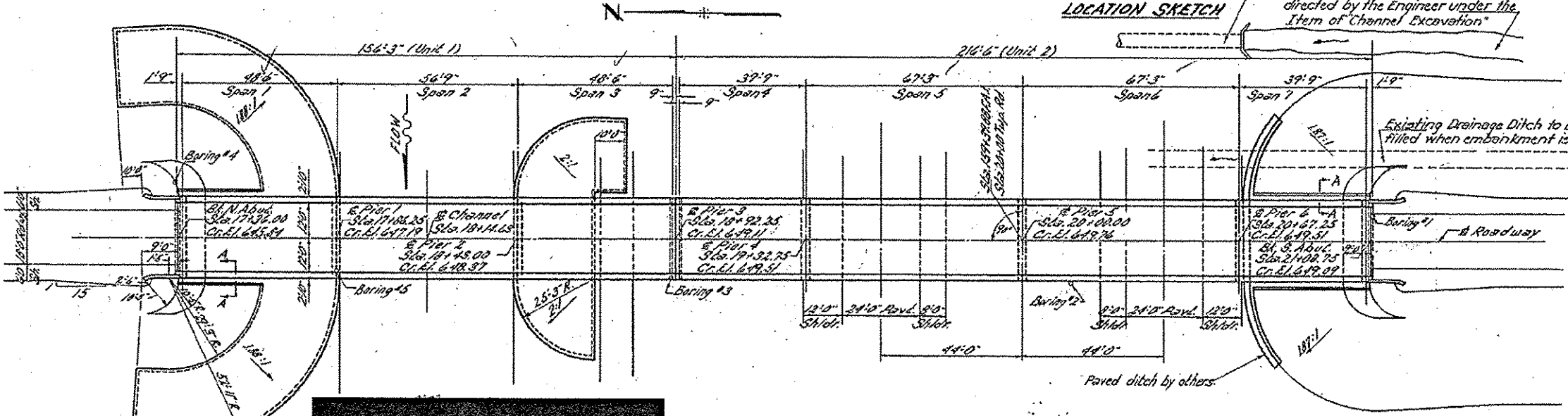
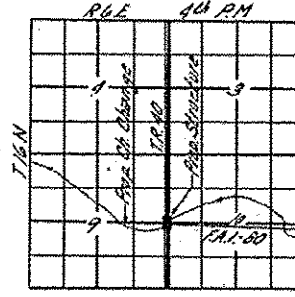
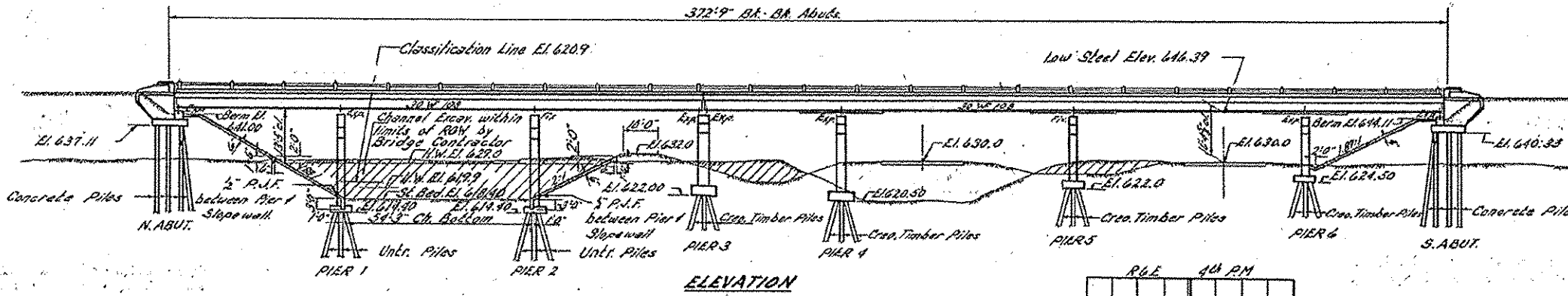
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	105-1HB-1BP	BUREAU	10	7
CONTRACT NO. 66H17			ILLINOIS FED. AID PROJECT	

B.M. Sq. chiseled in conc. S.E. corner of Steel Bridge No. 11.
Sta. 17+98 Elev. 629.87
Existing Structure: Steel Girder 1 Span @ 85' Contractor
to remove before new construction.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RT. 80	06-11B-1	COUREKAJ	105	21
FED. ROAD DIST. NO. 7		RAVINS	716. 287. 287. 7-80-1 (28) 22	13 SHEETS



GENERAL NOTES

Class X Concrete shall be used throughout.

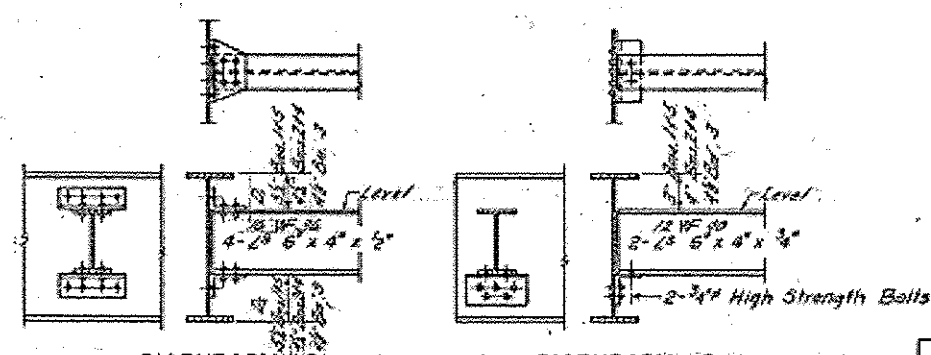
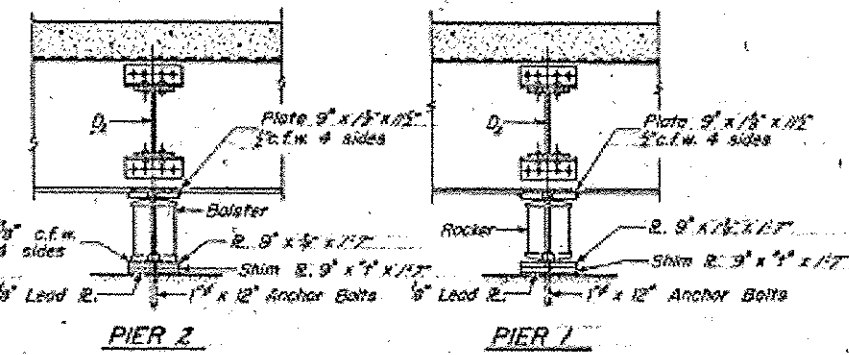
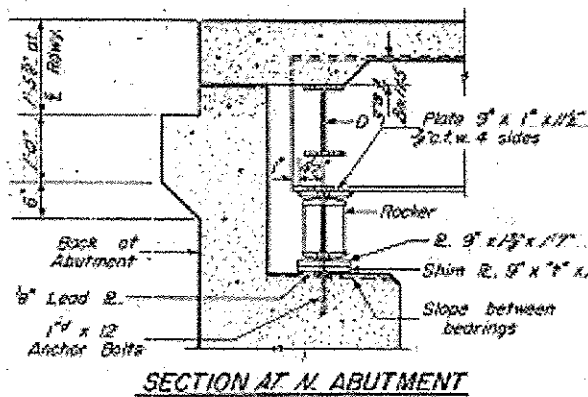
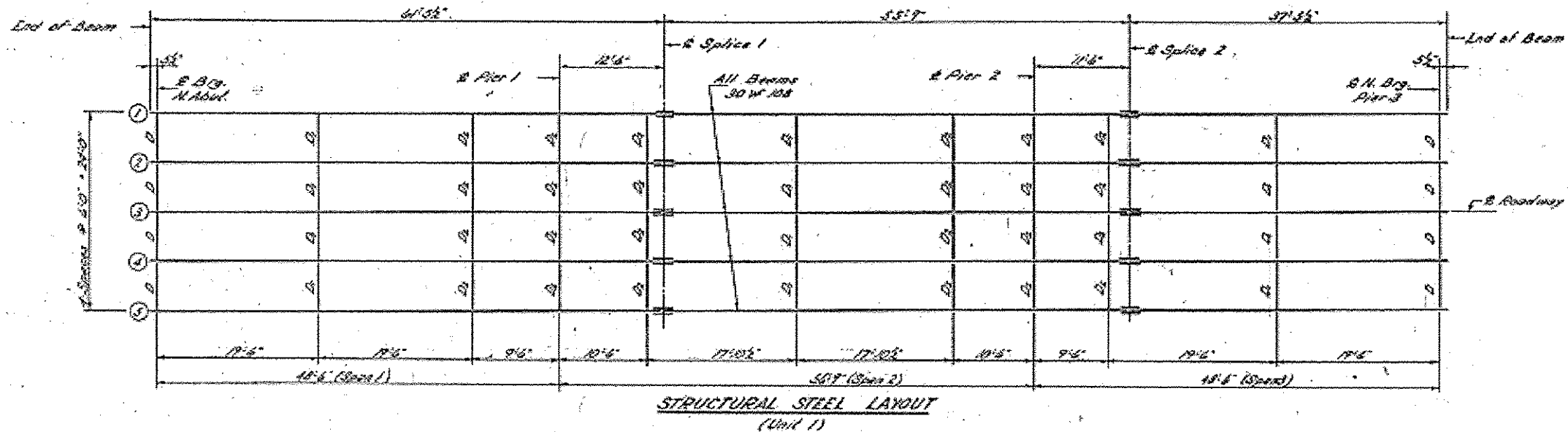
The concrete floor slab shall be finished in accordance with Article 51.17 of the Standard Specifications.
Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires, weighing 58# per 100 sq.ft.
Layout of slope walls may be varied to suit ground conditions in the field as directed by the Engineer.
Rivets 3/4", Open holes 1/2", unless noted.
All bolsters, rockers, bearing plates, lead plates, shim plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel, Est. wt. 12,650#. Anchor bolts shall be set before riveting diaphragms over supports.

Expansion guards shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications and are included in quantity of Structural Steel.
Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.
All paint shall be furnished and applied by the Contractor.
All Structural Steel shall conform to the ASTM Specifications A-36.

The Contractor shall drive one concrete test pile at each abutment in permanent location, one timber test pile at pier 2 in permanent location and one timber test pile in the vicinity of pier 5 as directed by the Engineer before casting or ordering remainder of piles.
Piles at Abutments shall be driven in holes prepared to natural ground line in accordance with Article 60.9(a) of the Standard Specifications.
Coarse aggregate which is to be used in parapet handrails and posts must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

PROJECT I-80-1 (3a)30
TR 40 OVER
COAL CREEK F.A.I.-80
F.A.I. RT. 80 SEC. 06-11B-1
BUREAU COUNTY
STA. 159+39.88

FILE NAME: I:\Projects\1007\1007\1007.dwg	USER NAME: woodshankel	DESIGNED - AJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS FOR STRUCTURE NO. 006-0122 "FOR INFORMATION ONLY"	F.A.I. RTE. 80	SECTION 06-11B-1	COUNTY BUREAU	TOTAL SHEETS 10	SHEET NO. 8
Default	PLOT SCALE = 1/8" = 1'-0"	CHECKED - AJE	REVISED -	DATE 1-4-17	SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 66H17		



ELEVATION TOP OF BEAMS

Location	Beams		
	115	214	313
E. Brigs N. Abut.	645.24	645.32	645.35
E. Pier 1	646.45	646.54	646.57
E. Splice 1	646.77	646.85	646.88
E. Pier 2	647.63	647.71	647.75
E. Splice 2	647.86	647.94	647.97
E. Brigs Pier 3	648.44	648.52	648.55

Note: For sliding plate Expansion Guard section at Pier 3 see Sheet No. 5.

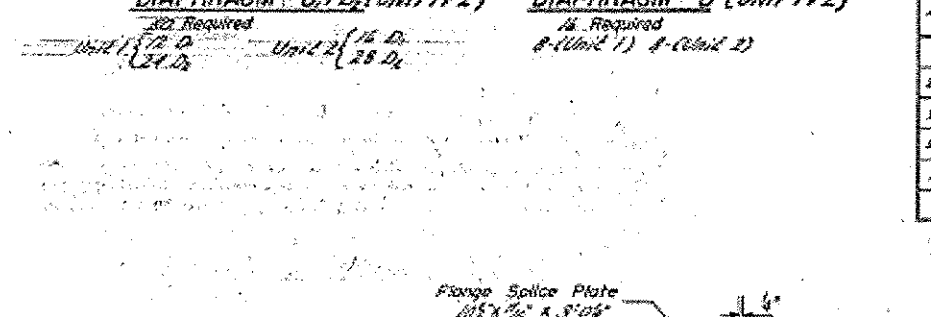
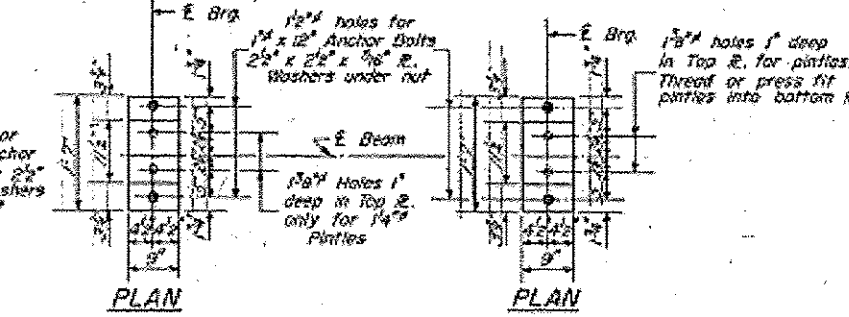
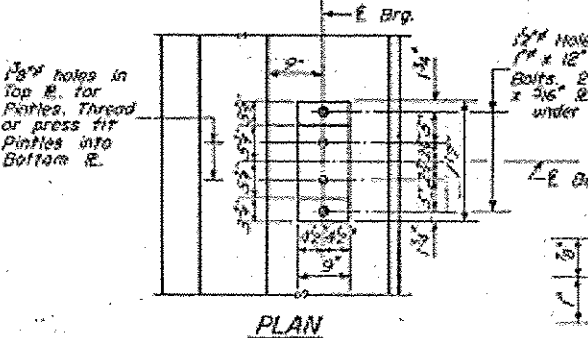
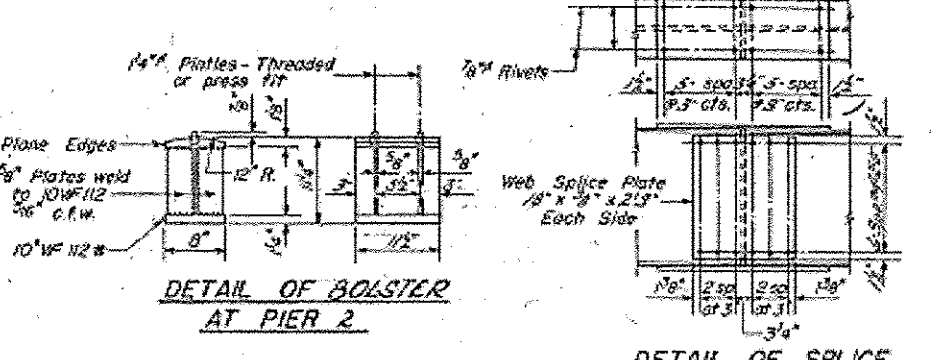
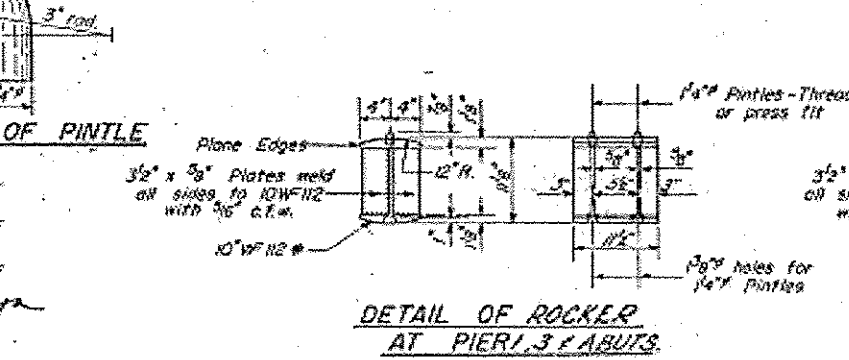


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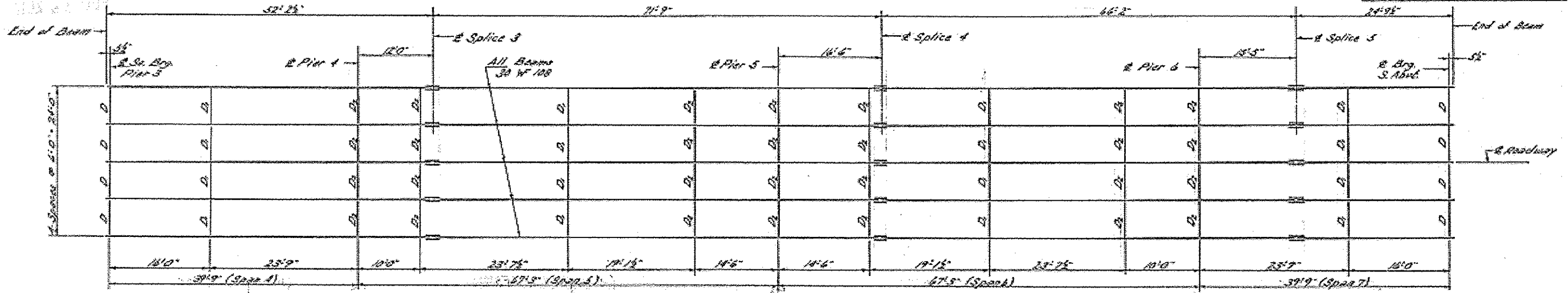
Beam	N. Abut.	PIER		
		1	2	3
115	0'	0'	0'	0'
214	7'	7'	7'	7'
3	15'	15'	15'	15'



DESIGNED: S. E. SUGAR
CHECKED: C. J. BARTON
DRAWN: W. A. SOUSCOUL
APRIL 13 1960
USER NAME: voodshenk-1
DESIGNED RW: C. J. BARTON
CHECKED RW: C. J. BARTON
DATE: 1-4-17

STRUCTURAL STEEL
UNIT 1 - SPANS 1, 2 & 3
TR-40 OVER
COAL CREEK F.A.I. 80
E.A.I. RT. 80 SEC. 06-11B-1
BUREAU COUNTY
STA. 159 + 39.88

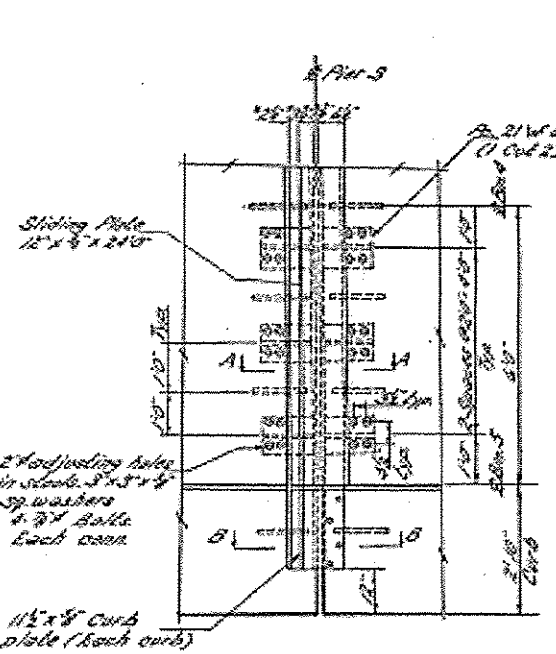
T-2 Re-drawn 8-18-59



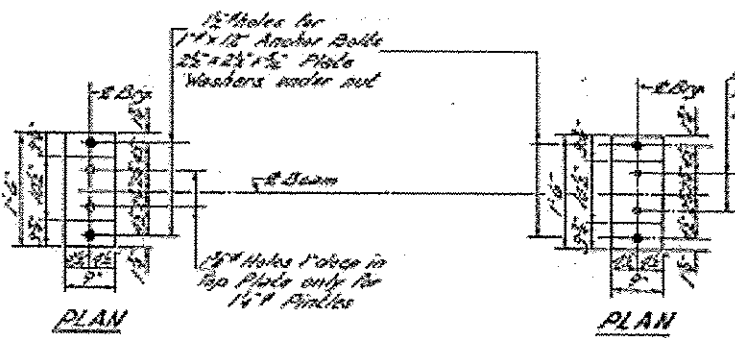
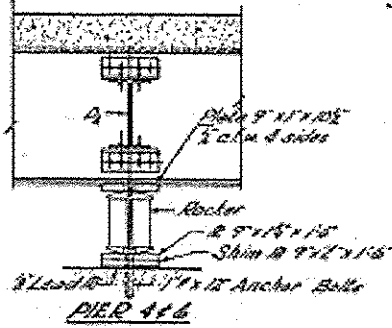
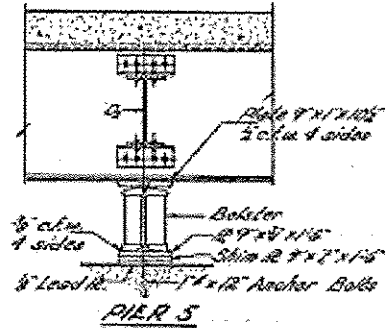
STRUCTURAL STEEL
(Unit 2)

3/4" x 8" CR 1020 ST
Granular or Solid Flux Filled
steel, Automatically and welded
(No Paint)

*At 50°F Normal Temp.

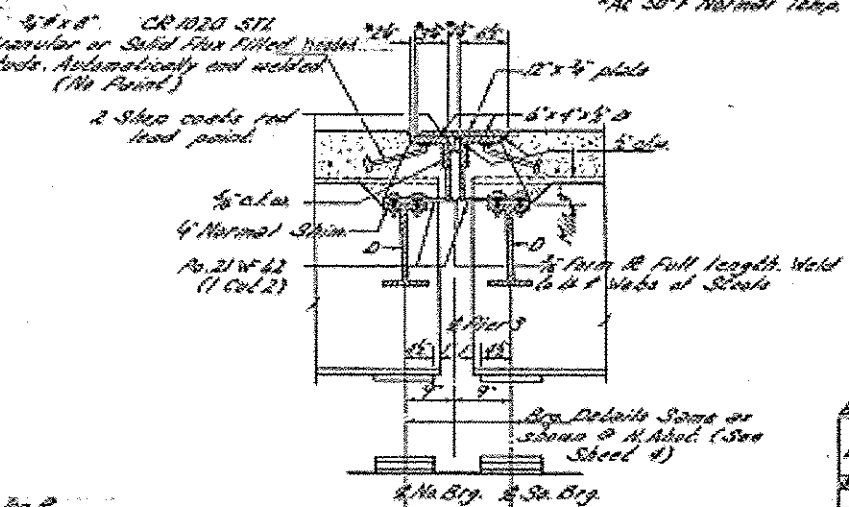


PARTIAL PLAN EXPANSION GUARD

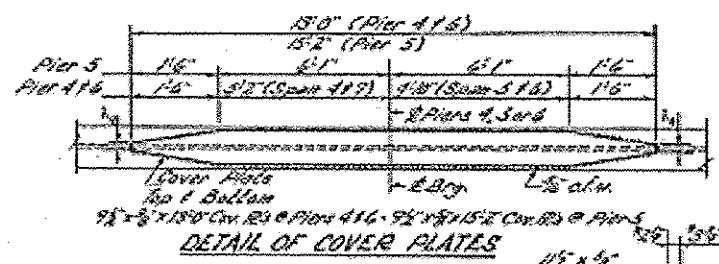


PLAN

PLAN



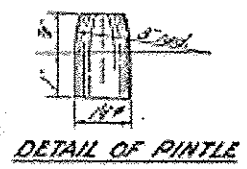
PIER 3 & SECTION A-A



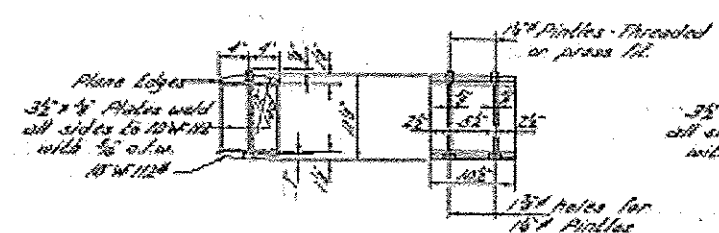
DETAIL OF COVER PLATES

ELEVATION TOP OF BEAMS

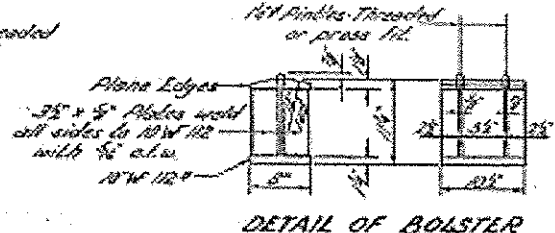
Location	Beams		
	115	214	3
2 Splice 3	648.46	648.54	648.57
2 Pier 4	648.78	648.86	648.89
2 Splice 5	648.67	648.76	648.79
2 Pier 5	649.00	649.08	649.11
2 Splice 4	649.03	649.11	649.15
2 Pier 6	648.75	648.83	648.86
2 Splice 5	648.66	648.75	648.78
2 Splice 3	648.46	648.54	648.57



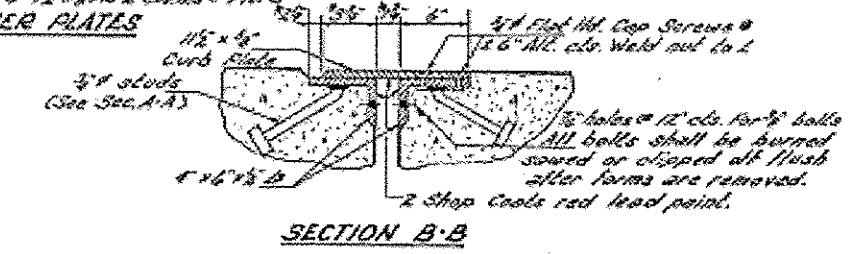
DETAIL OF PINTLE



DETAIL OF ROLLER AT PIER 4 & 6



DETAIL OF BOLSTER AT PIER 5



SECTION B-B

DESIGNED: [Signature]
CHECKED: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]

APRIL 13 1960
DESIGNED: V.M. Romine
CHECKED: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]

Note: For details of splices & diaphragms See Sheet No. 4

TABLE OF "C" DIMENSIONS

Span	115	214	3	9. Abut
4	0	0	0	0
16	1	1	1	1
3	1 1/2	1 1/2	1 1/2	1 1/2

STRUCTURAL STEEL
UNIT 2 - SPANS 4, 5, 6 & 7
TR 40' OVER
COAL CREEK & I.A.I. 80
F.A.I. RT. 80 SEC. 06-118-1
BUREAU COUNTY
STA. 159 + 39.88