

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	82-3HVB-2-P	ST. CLAIR	24	1
* FAI 70 / FAP 312		ILLINOIS	CONTRACT NO. 76G15	

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, COMMITMENTS, AND HIGHWAY STANDARDS
3. SUMMARY OF QUANTITIES
4. BRIDGE PAINTING DETAILS SN 082-0201
5. BRIDGE PAINTING DETAILS SN 082-0203
- 6.-14. SN 082-0203 EXISTING STRUCTURE DETAILS (FOR INFORMATION ONLY)
- 15.-24A. SN 082-0203 EXISTING STRUCTURE DETAILS (FOR INFORMATION ONLY)

TRAFFIC DATA

	SN 082-0201	SN 082-0203	ROADWAY BENEATH SN 082-0203
2016 ADT	3,800	3,800	11,800
2036 ADT	4,650	4,650	14,400
% SU	3.5	2.5	2.7
% MU	13.2	11.1	12.0

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS
FAI 70 / FAP 312 (I-55/64 / IL 3)
SECTION 82-3HVB-2-P
ST. CLAIR COUNTY
BRIDGE PAINTING

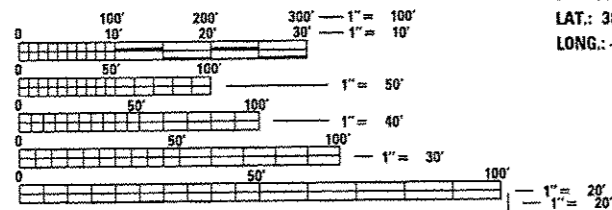
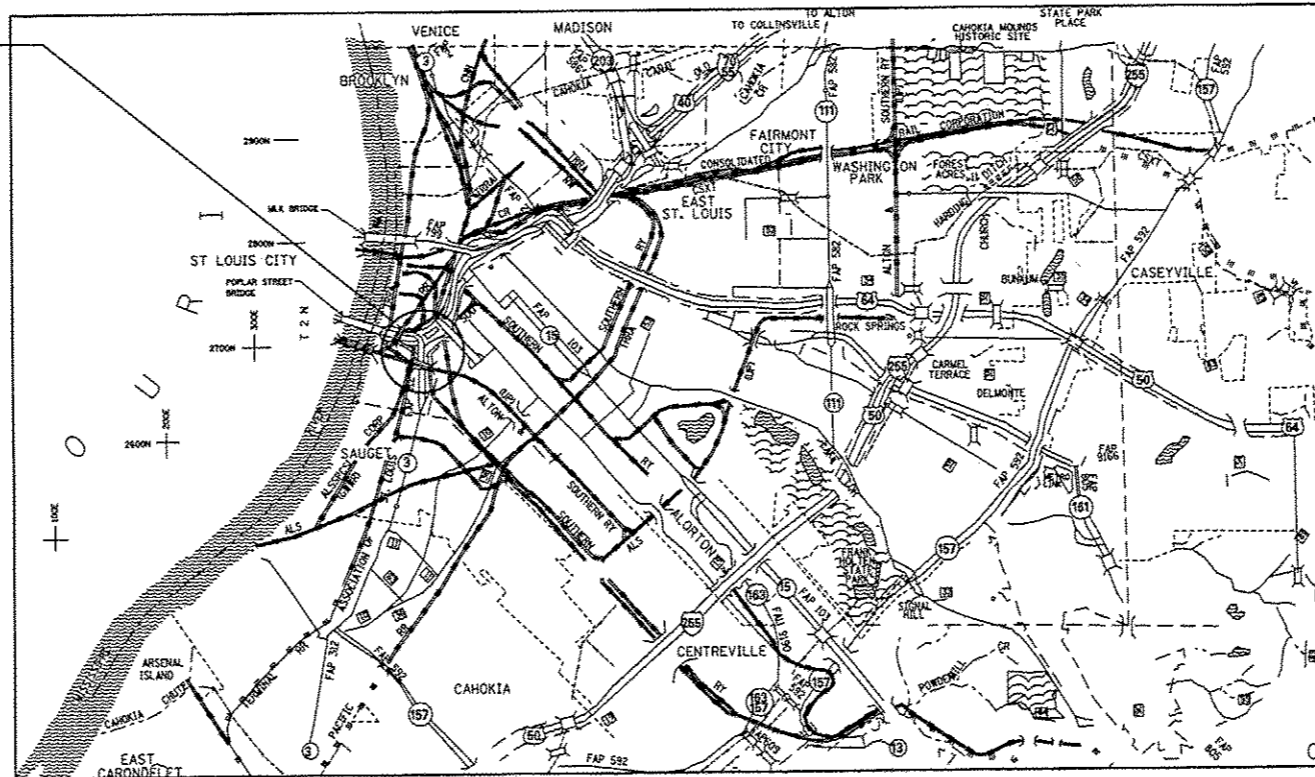
C-98-016-13



PROJECT LOCATION

BRIDGE NO. 1
 SN 082-0201
 ON RAMP O FROM
 WB I-55/64 CD
 TO IL 3 SB
 STA. 7+00.52
 LAT.: 38.61771
 LONG.: -90.16821

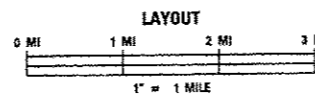
BRIDGE NO. 2
 SN 082-0203
 ON RAMP P FROM
 IL 3 NB TO
 I-55/64 EB CD
 STA. 54+72.04
 LAT.: 38.61330
 LONG.: -90.17119



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

GROSS LENGTH = 2,461.3 FT. = 0.466 MILE
 NET LENGTH = 2,461.3 FT. = 0.466 MILE



SN 082-0201
 GROSS LENGTH = 999.5 FT. = 0.189 MILE
 NET LENGTH = 999.5 FT. = 0.189 MILE

SN 082-0203
 GROSS LENGTH = 1,461.8 FT. = 0.277 MILE
 NET LENGTH = 1,461.8 FT. = 0.277 MILE

PROJECT ENGINEER: HERVE GELIN (618) 346-3179
PROJECT MANAGER: CECIL DOWNING (618) 346-3186

CONTRACT NO. 76G15

DESIGN DESIGNATION
 N/A

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED March 12, 2016
Jeffrey Z. Kan...
 REGIONAL 5 ENGINEER

Maureen M. Addis, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

Omair Coman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN ILLINOIS (GAS & ELECTRIC)
- AT&T ILLINOIS (COMMUNICATIONS)
- CHARTER COMMUNICATIONS, INC. (CTV)
- CITY OF EAST ST. LOUIS (LIGHTING)
- ILLINOIS AMERICAN WATER COMPANY (WATER)
- LACLEDE PIPELINE COMPANY (PIPELINE)
- VERIZON BUSINESS (COMMUNICATIONS)
- ZAYO GROUP LLC (COMMUNICATIONS)

MEMBERS OF J.U.L.I.E CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. THE SSPC-OP1 AND SSPC-OP2 CERTIFICATIONS WILL BE REQUIRED FOR THE BRIDGES.

3. ALL TURF AREA DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN AT THE CONTRACTOR'S EXPENSE.

4. THE USE OF CONES SHALL NOT BE PERMITTED AT THIS LOCATION.

5. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE. ALL TRAFFIC CONTROL DEVICES AS HEREIN SPECIFIED AND ANY ADDITIONAL TRAFFIC CONTROL DEVICES AS DEEMED NECESSARY BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE CONTRACT TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

6. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED TWO (2) WEEKS PRIOR TO ANY LANE RESTRICTIONS AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.

7. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSE WORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL- TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

8. PEAK HOUR RESTRICTIONS AS OUTLINED IN THE SPECIAL PROVISIONS SHALL APPLY TO THIS PROJECT.

9. TRAFFIC CONTROL MAY REQUIRE COORDINATION WITH ANOTHER CONTRACTOR AS THE MISSOURI DEPARTMENT OF TRANSPORTATION MAY HAVE PROJECTS WHICH COINCIDE WITH THE TIMELINE OF THIS PROJECT.

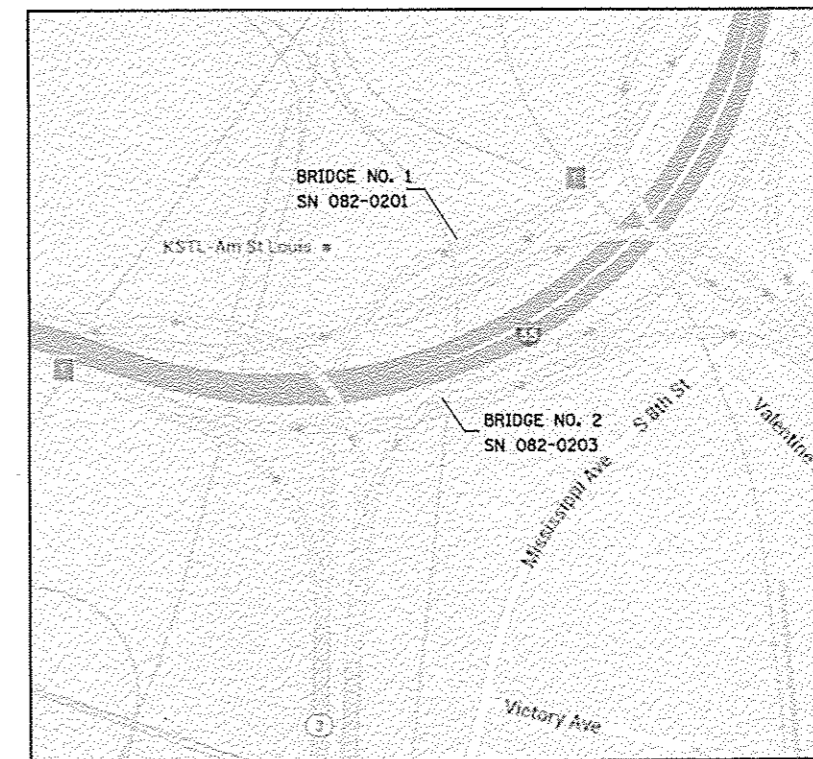
COMMITMENTS

NONE

HIGHWAY STANDARDS

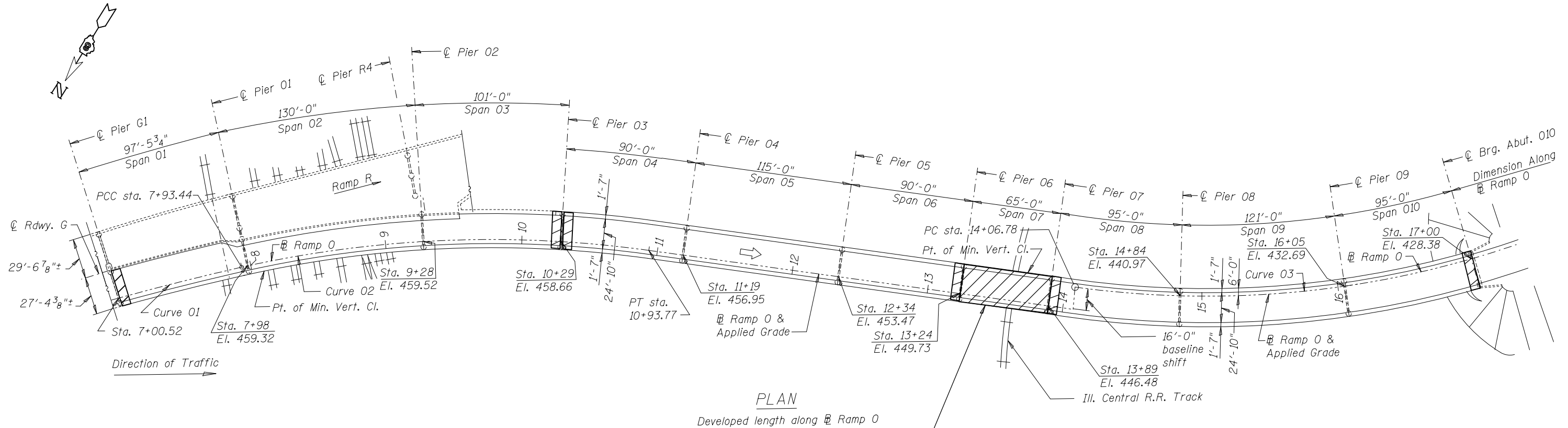
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701400-08 APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
- 701401-09 LANE CLOSURE, FREEWAY / EXPRESSWAY
- 701428-01 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
- 701456-03 PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY
- 701901-05 TRAFFIC CONTROL DEVICES

DETAILED LOCATION MAP



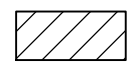
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pw\11084EBID\INTEG\Illinois.gov\PIDOT\Documents\DDOT Office\District 8\Projects\0879\DRCHSD\GAD\meta\0876015-11x17-sh.dwg	ORCHSD	CHECKED -	REVISED -			•	B2-3HVB-2-P	ST. CLAIR	24	2
PLOT SCALE = 100.0000' / 1" / in.		DATE -	REVISED -			• FAI 70 / FAP 312				CONTRACT NO. 76G15
Default	PLOT DATE = 3/16/2016									ILLINOIS FED. AID PROJECT
SCALE:						SHEET	OF	SHEETS	STA.	TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE URBAN BRIDGE	100% STATE URBAN BRIDGE
				0014	0014
				S. N. 082-0201	S. N. 082-0203
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	1		1
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	LSUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2		2
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	0.5	0.5
X7010410	SPEED DISPLAY TRAILER	CAL MO	1		1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	LSUM	1	1	
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	LSUM	1		1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	LSUM	1	1	
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	LSUM	1		1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	0.5	0.5



PLAN
Developed length along Ramp 0

ENTIRE SPAN PLUS 5' PAST JOINT ON EITHER SIDE



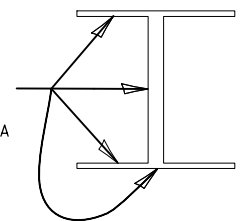
ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL WITHIN 5 FEET (MEASURED ALONG THE BEAM) ON THE SIDE OF THE DECK JOINT AS DELINEATED SHALL BE CLEANED AND PAINTED. (SP 10) (DEVIATION: ENTIRE LENGTH OF SPAN 07)

NOTES:

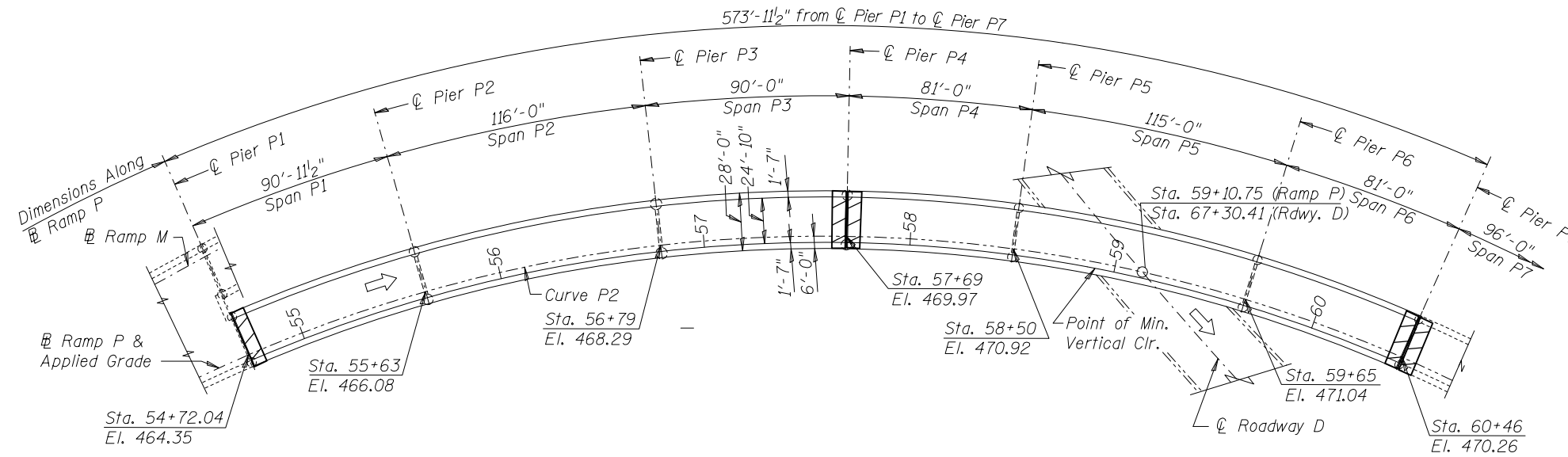
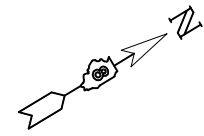
1. A MINIMUM OF TWO AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
2. CLEANING AND PAINTING OF THE EXISTING STEEL AND BEARINGS SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL AREAS SPECIFIED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING--SSPC-SP10.
3. THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING--SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1-0Z/E/U. THE COLOR OF THE FINISH COAT FOR ALL STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1.

FASCIA BEAM CLEANING AND PAINTING AREAS, SSPC-SP 10

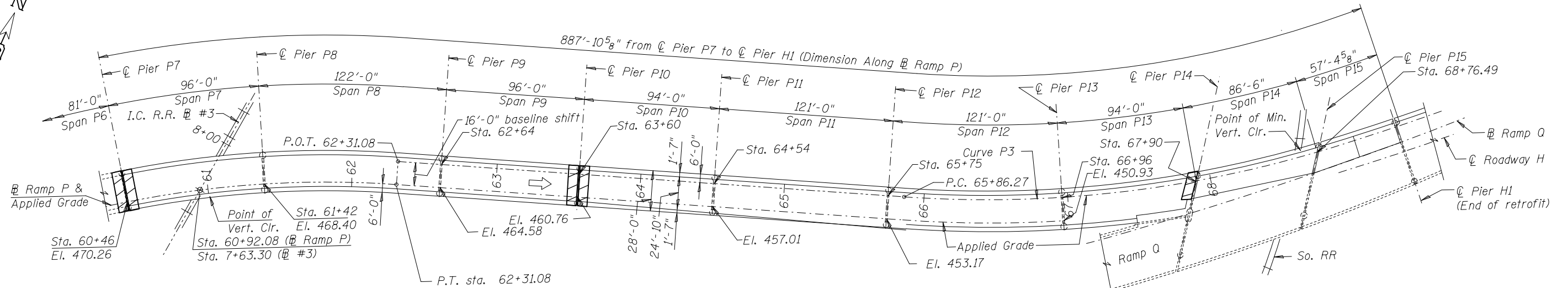
ENTIRE STRUCTURE THE EXTERIOR SURFACES AND BOTTOM OF THE BOTTOM FLANGE OF THE FASCIA



FILE NAME =	USER NAME = milecmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE PAINTING DETAILS SN 082-0201				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		PLotted	REVISED -						• 82-3HVB-2-P	ST. CLAIR	24	4	
	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		• FAI 70 / FAP 312	CONTRACT NO. 76G15							
	PLLOT DATE = 3/16/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

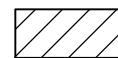


PLAN
Developed length along Ramp P



NOTES:

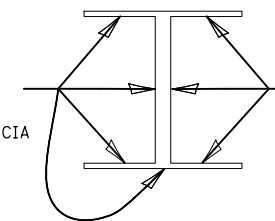
1. A MINIMUM OF THREE AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
2. CLEANING AND PAINTING OF THE EXISTING STEEL AND BEARINGS SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL AREAS SPECIFIED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING--SSPC-SP10.
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ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL WITHIN 5 FEET (MEASURED ALONG THE BEAM) ON THE SIDE OF THE DECK JOINT DELINEATED SHALL BE CLEANED AND PAINTED. (SP 10)

FASCIA BEAM CLEANING AND PAINTING AREAS, SSPC-SP 10

ENTIRE STRUCTURE THE EXTERIOR SURFACES AND BOTTOM OF THE BOTTOM FLANGE OF THE FASCIA



P10 TO P13 INTERIOR SURFACES (EAST GIRDER ONLY)

FILE NAME =	USER NAME = milosemr	DESIGNED -	REVISED -
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Default	PLOT DATE = 3/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE PAINTING DETAILS
SN 082-0203**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• FAI 70 / FAP 312	82-3HVB-2-P	ST. CLAIR	24	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G15	

Benchmark: #26 Elev. 404.396 X-cut in N.W. corner of concrete abutment at center pier of Ill. Central R.R. Bridge over Ill. Rte. 3.

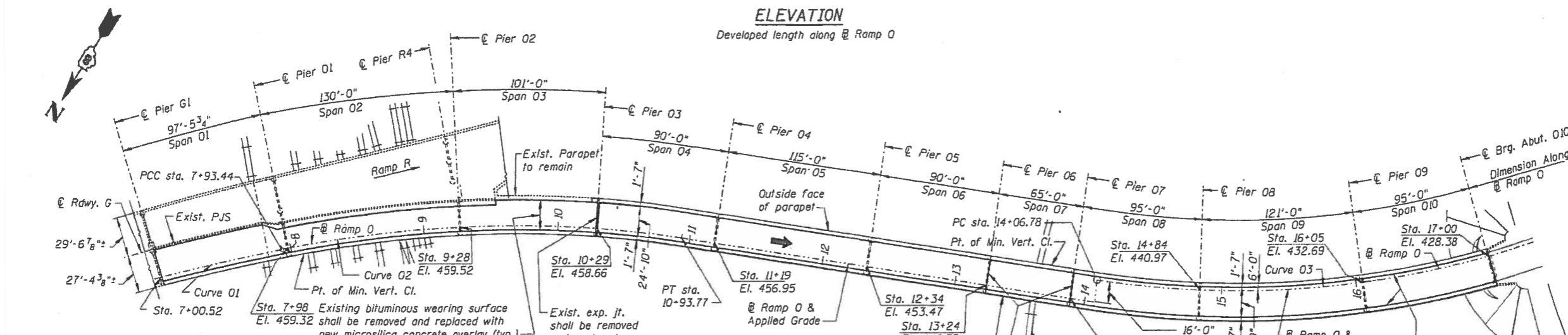
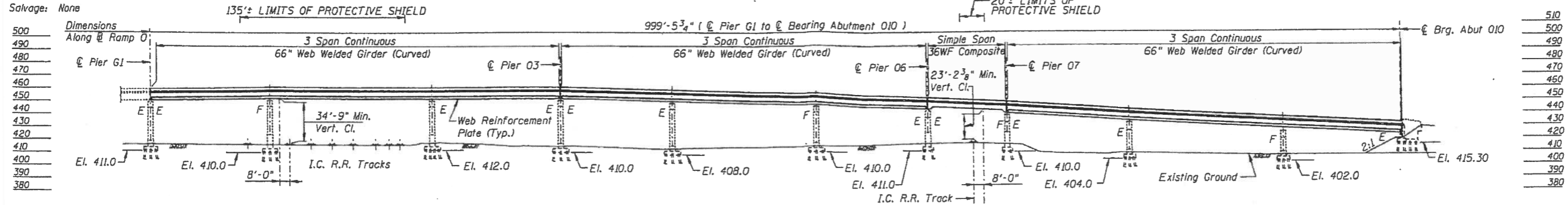
Existing Structure: SN 082-0201 was built as F.A.I. Route 70 Section (82-3HVB-2R-U-2 in 1967. The roadway is striped for one lane. The Superstructure consists of three 3 span continuous units with two welded steel plate girders, plate girder floor beams, rolled stringers, and non-composite R.C. slab, and one simple span with composite slab on rolled girders. The Substructure is R.C. piers on R.C. piles and one R.C. pile bent abutment. Existing structure shall be rehabilitated with seismic retrofit and redundancy retrofit. Traffic shall be maintained during the rehabilitation.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	POST MILES	POST MILES	SHEET NO. 1
FAI-70	#	St. Clair	388	151	48 SHEETS

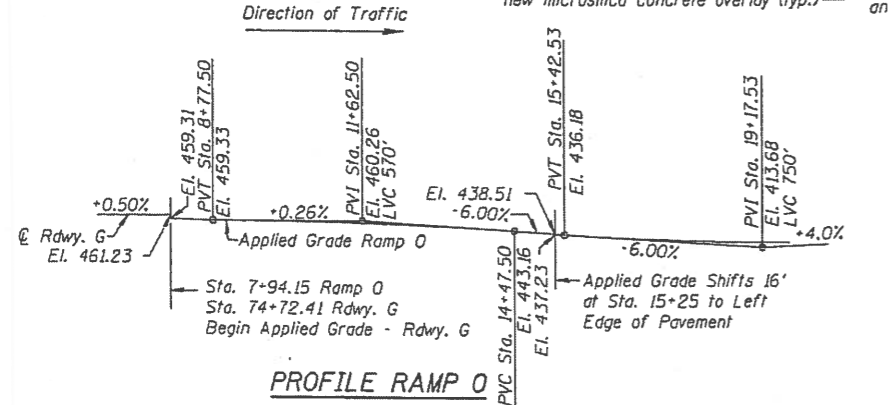
(82-3HVB-2R-U-2

Salvage: None



APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Robert E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



INDEX OF SHEETS

- GENERAL PLAN AND ELEVATION SPANS 01 THRU 010
- GENERAL NOTES AND TOTAL BILL OF MATERIAL
- SCOPE OF WORK
- NOT USED
- SLAB SPAN 01 THRU 04
- SLAB SPAN 05 THRU 06
- SLAB SPAN 07 THRU 08
- WEST PARAPET DETAILS SPANS 01 THRU 03
- PARAPET DETAILS SPANS 04 THRU 07
- PARAPET DETAILS SPANS 08 THRU 010
- REINFORCEMENT DETAILS
- EXPANSION JOINT REPLACEMENT DETAILS
- SEISMIC RETROFIT DETAILS
- SEISMIC RETROFIT DETAILS
- PJS EXPANSION JOINT DETAILS ABUTMENT 010
- NEOSPHENE EXPANSION JOINT DETAILS PIERS 06 AND 07
- FINGER PLATE DETAIL PIER 03
- FINGER PLATE DETAIL PIER 03
- DRAINAGE SYSTEM AT FINGER PLATE PIER 03
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 01
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 01
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 01
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 01
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 02
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 03
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 04
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 04
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 04
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 04
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 04
- RETROFIT AND SUBSTRUCTURE REPAIR PIER 04 AND ABUTMENT 010
- STIFFENER INTERSECTION MODIFICATIONS AND CRACK EXTENSION RETROFIT
- REINFORCEMENT RETROFIT DETAILS
- TYPICAL REDUNDANCY RETROFIT DETAILS
- SUPPLEMENTARY REPAIR TABLE
- ABUTMENT HEAD EXTENSION ABUTMENT 010
- SKIN/PLATE DETAILS
- SKIN/PLATE DETAILS
- SKIN/PLATE DETAILS
- SKIN/PLATE DETAILS
- CROSS FRAME MODIFICATIONS
- CROSS FRAME MODIFICATIONS
- PIER SEISMIC RETROFIT DETAILS
- PIER SEISMIC RETROFIT DETAILS
- BEARINGS
- BEARINGS
- AS-BUILT DECK REPAIR LOCATIONS SPANS 01 THRU 04
- AS-BUILT DECK REPAIR LOCATIONS SPANS 05 THRU 08
- AS-BUILT DECK REPAIR LOCATIONS SPANS 09 THRU 010

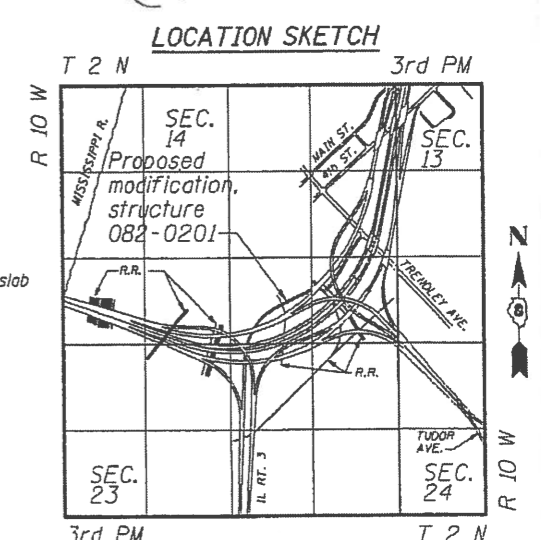
DESIGN SPECIFICATIONS:
1996 AASHTO with 1997 thru 2002 Interims.
FHWA-RD-94-052 "Seismic Retrofitting Manual for Highway Bridges", 1995

SEISMIC DATA:
Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.12
Site Coefficient (S) = 1.0

DESIGN STRESSES:
New Construction:
Reinforced concrete: f'c = 3,500 psi
Reinforcement bars: fy = 60,000 psi
Structural steel: fy=70,000 psi (M270, Grade 70W) Web Reinforcement Plate
fy=50,000 psi (M270, Grade 50) All other locations

Existing Structure:
Reinforced concrete: fc = 1,400 psi n = 10
Structural Steel: fs=20,000 psi

NOTES
Profile grade elevations are to top of original slab and do not take into account wearing surface or overlay thickness.



REHABILITATION FOR FAI 55/70 COMPLEX
RAMP 0 - STRUCTURE NO. 082-0201
GENERAL PLAN AND ELEVATION
SPANS 01 THRU 010
STA. 7+00.52 THRU 17+00 (FAI-70) ST. CLAIR CO.

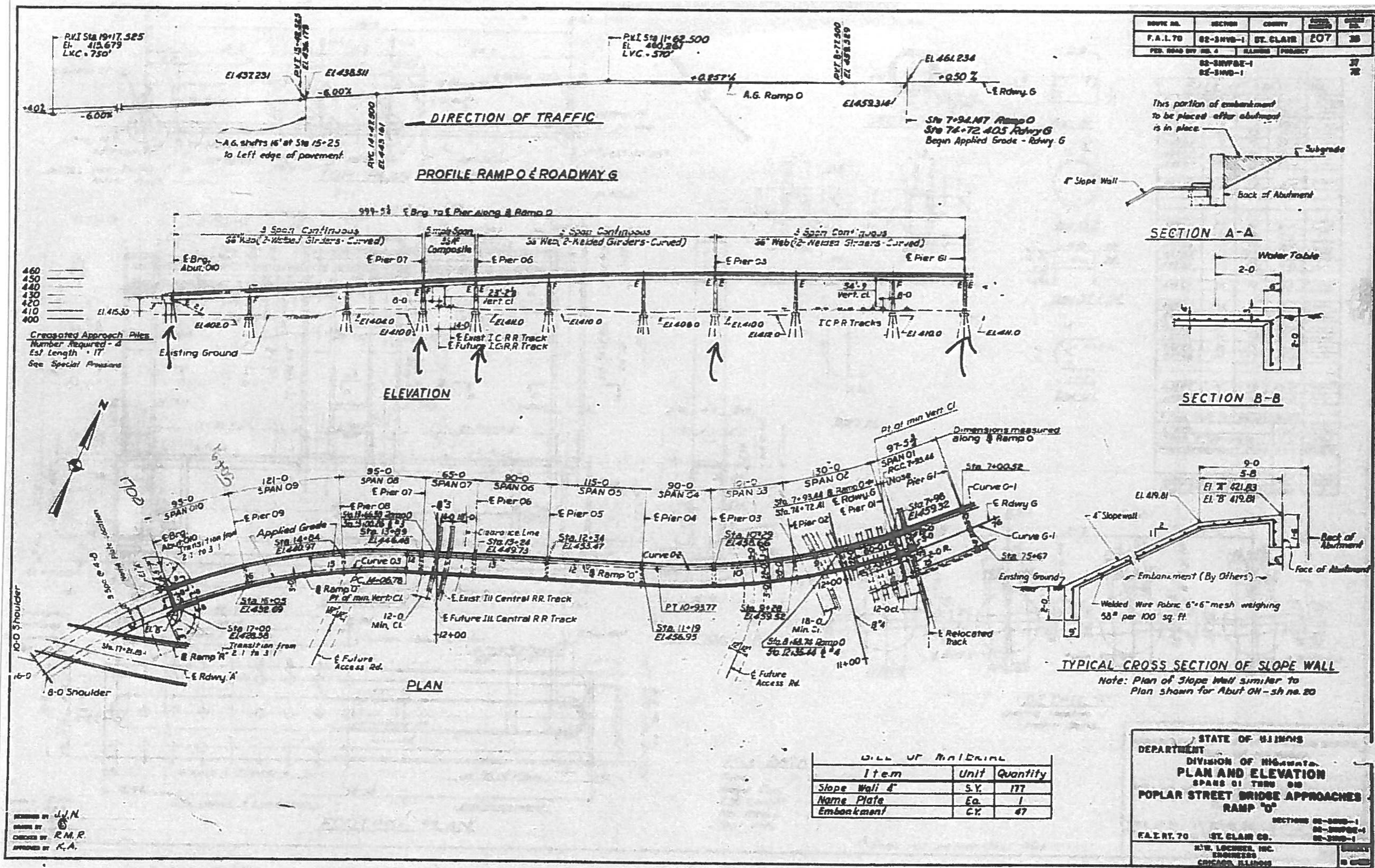
JOHN E. FINKE, S.E.
STRUCTURAL/SEISMIC RETROFIT

LANCE PETERMAN, S.E.
REDUNDANCY RETROFIT

12/16/03

FOR INFORMATION ONLY

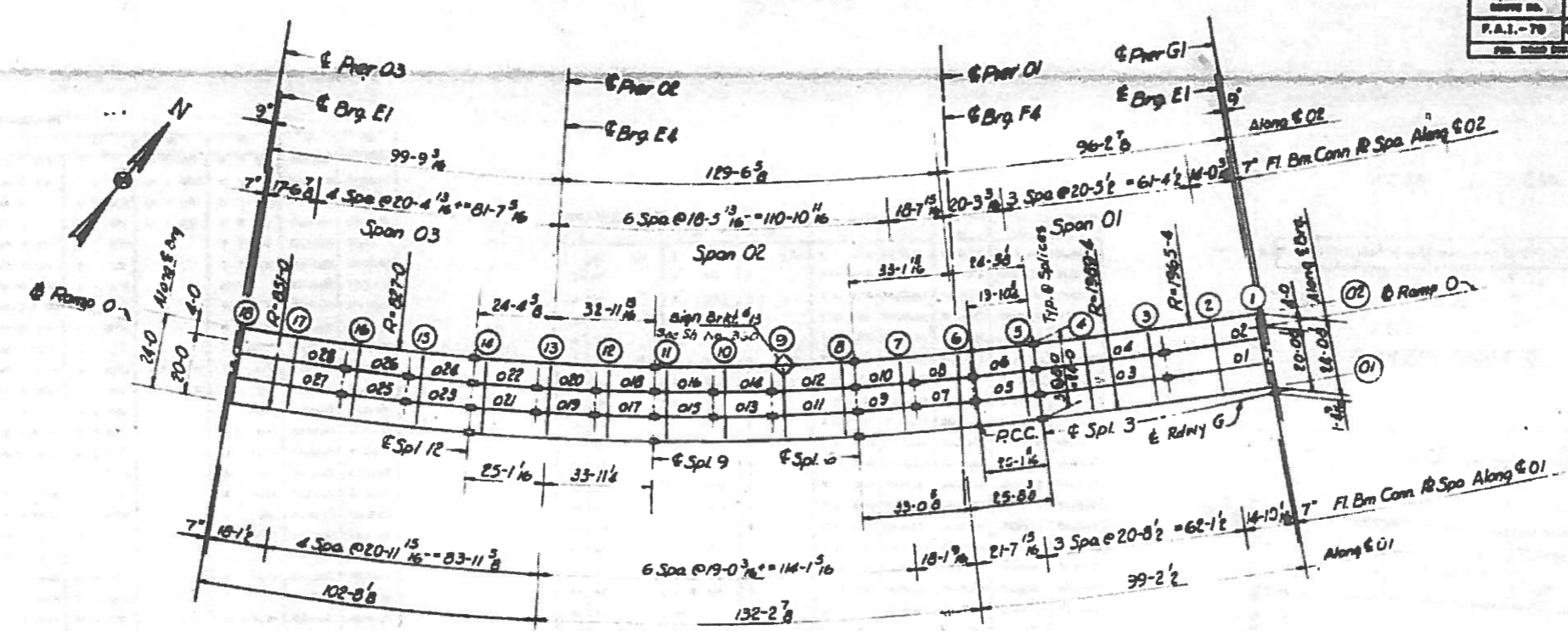
FILE NAME *	USER NAME * mlacmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pu\1\084EID\INTEG.Illinois.gov\DOT\Documents\DOT Offices\District 8\Projects\08750\08750\Drawings\GAD\8750-11\17-sh.dwg		CHECKED -	REVISED -			#	82-3HVB-2-P	ST. CLAIR	24	6
MODEL NAME *		DATE	REVISED		SCALE:	FAI 70 / FAP 312			CONTRACT NO. 76G15	
									ILLINOIS FED. AID PROJECT	



FOR INFORMATION ONLY

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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MODEL NAME *	PLOT DATE *	CHECKED -	REVISED -		SCALE: _____	FAP 70 / FAP 312	ST. CLAIR CO.		CONTRACT NO.	76G15
	5/3/2016	DATE	REVISED							ILLINOIS FED. AID PROJECT

STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 70	82-3HVB-2-P	ST. CLAIR	24	7A
ILLINOIS FED. AID PROJECT				



PLAN
Spans 01 thru 03

Note:
Dimensions locating Floor Beams are given to the Floor Beam Conn. Plate, see Sketch Sheet No. 183

ELEVATION TOP OF GROUND Lvl

	SPAN 01	SPAN 02	DIFF.
CL. BDL	488.723	487.818	1.905
FLOOR BEAM 1	488.726	487.844	1.882
FLOOR BEAM 2	488.777	487.884	1.893
FLOOR BEAM 3	488.826	487.919	1.907
FLOOR BEAM 4	488.880	487.973	1.907
SPLICE 3	488.943	488.020	1.923
FLOOR BEAM 5	488.982	488.091	1.891
FLOOR BEAM 6	488.989	488.088	1.901
FLOOR BEAM 7	488.988	488.126	1.862
SPLICE 6	488.988	488.173	1.815
FLOOR BEAM 8	488.948	488.188	1.820
FLOOR BEAM 9	488.948	488.225	1.820
FLOOR BEAM 10	488.948	488.260	1.820
FLOOR BEAM 11	488.921	488.311	1.390
SPLICE 9	488.949	488.360	1.411
FLOOR BEAM 12	488.988	488.385	1.603
FLOOR BEAM 13	488.977	488.427	1.550
FLOOR BEAM 14	488.948	488.468	1.520
SPLICE 12	488.988	488.476	1.512
FLOOR BEAM 15	488.988	488.544	1.440
FLOOR BEAM 16	488.723	487.876	1.847
FLOOR BEAM 17	488.201	487.811	1.390
FLOOR BEAM 18	488.387	487.428	1.959
CL. BDL	488.388	487.428	1.960

BILL OF MATERIAL	
Structural Steel	Lbs. 403410

* Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel Est. Wt. 6960

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS 01 THRU 03
POPLAR STREET BRIDGE APPROACHES
RAMP "O"
F.A.I. RT. 70 ST. CLAIR CO. ILLINOIS
S. H. LACROIX, INC.
ENGINEERS
CHICAGO, ILLINOIS

DESIGNED BY: R.M.R.
CHECKED BY: J.P.
DATE: 11/17/70
DRAWN BY: K.A.

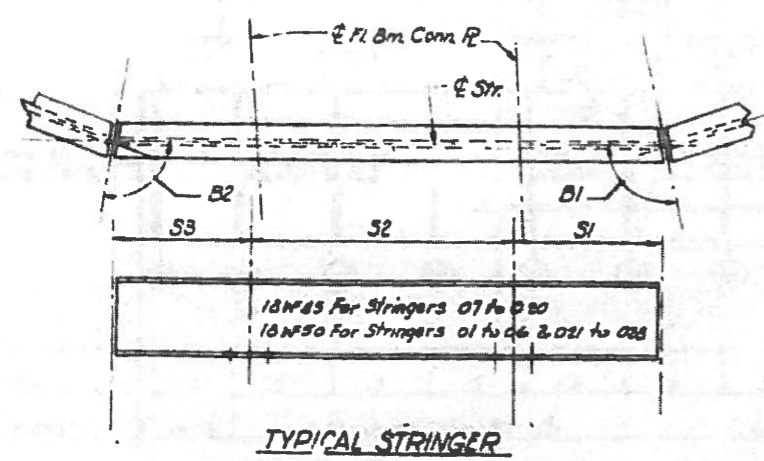
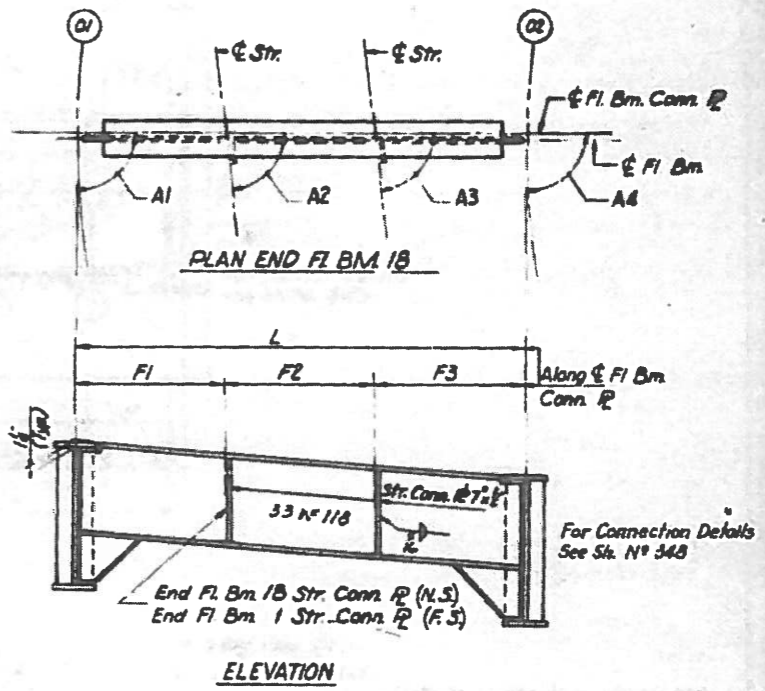
FOR INFORMATION ONLY

FILE NAME: pw\NL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\087-0000\087-0000-11\17-shld	USER NAME: mlacrom	DESIGNED: _____	REVISED: _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____ SHEET _____ OF _____ SHEETS	SECTION: 82-3HVB-2-P	COUNTY: ST. CLAIR	TOTAL SHEETS: 24	SHEET NO.: 7A
MODEL NAME:	PLOT SCALE: 1/8" = 1'-0"	CHECKED: _____	REVISED: _____	CONTRACT NO. 76G15	STA. _____ TO STA. _____	F.A.I. 70 / FAP 312	ILLINOIS FED. AID PROJECT		

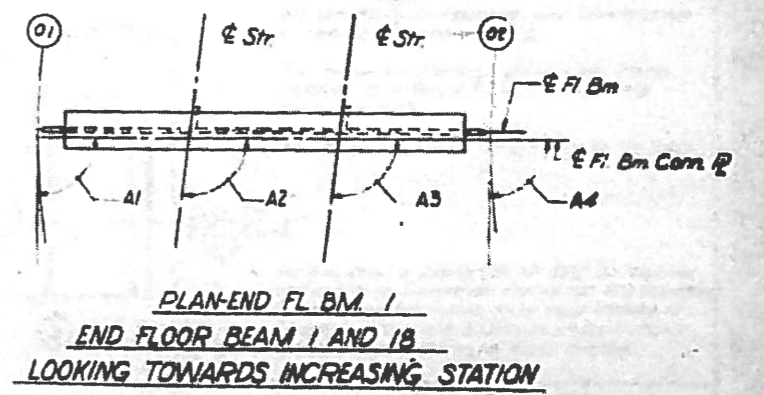
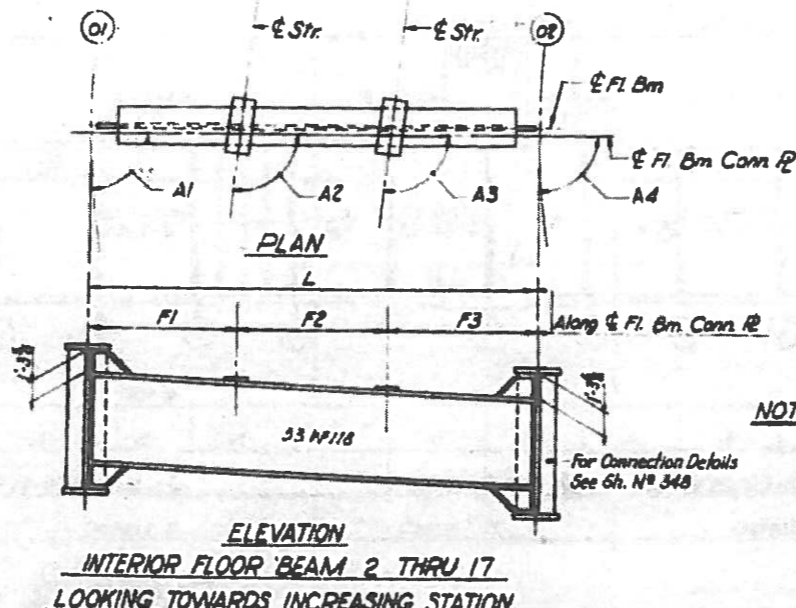
ROUTE NO.	SECTION	COUNTY	POST MILES	SHEET NO.
F.A.I. - 70	82-3HYB-2-P	ST. CLAIR	247	158
FED. ROAD DIST. NO. 4				

STATION	FL. BM.	TYPE	ELEVATION	TYPE	ELEVATION
1	0	1/16"	0.000	0	0.000
2	0	1/16"	0.000	0	0.000
3	0	1/16"	0.000	0	0.000
4	0	1/16"	0.000	0	0.000
5	0	1/16"	0.000	0	0.000
6	0	1/16"	0.000	0	0.000
7	0	1/16"	0.000	0	0.000
8	0	1/16"	0.000	0	0.000
9	0	1/16"	0.000	0	0.000
10	0	1/16"	0.000	0	0.000
11	0	1/16"	0.000	0	0.000
12	0	1/16"	0.000	0	0.000
13	0	1/16"	0.000	0	0.000
14	0	1/16"	0.000	0	0.000
15	0	1/16"	0.000	0	0.000
16	0	1/16"	0.000	0	0.000
17	0	1/16"	0.000	0	0.000
18	0	1/16"	0.000	0	0.000
19	0	1/16"	0.000	0	0.000
20	0	1/16"	0.000	0	0.000
21	0	1/16"	0.000	0	0.000
22	0	1/16"	0.000	0	0.000
23	0	1/16"	0.000	0	0.000
24	0	1/16"	0.000	0	0.000
25	0	1/16"	0.000	0	0.000
26	0	1/16"	0.000	0	0.000
27	0	1/16"	0.000	0	0.000
28	0	1/16"	0.000	0	0.000
29	0	1/16"	0.000	0	0.000
30	0	1/16"	0.000	0	0.000

FL. BM.	L	F1	F2	F3	A1	A2	A3	A4
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0



DRAWN BY: R.M.R.
 CHECKED BY: J.N.
 DESIGNED BY: A.J.
 DATE: 5/3/2016



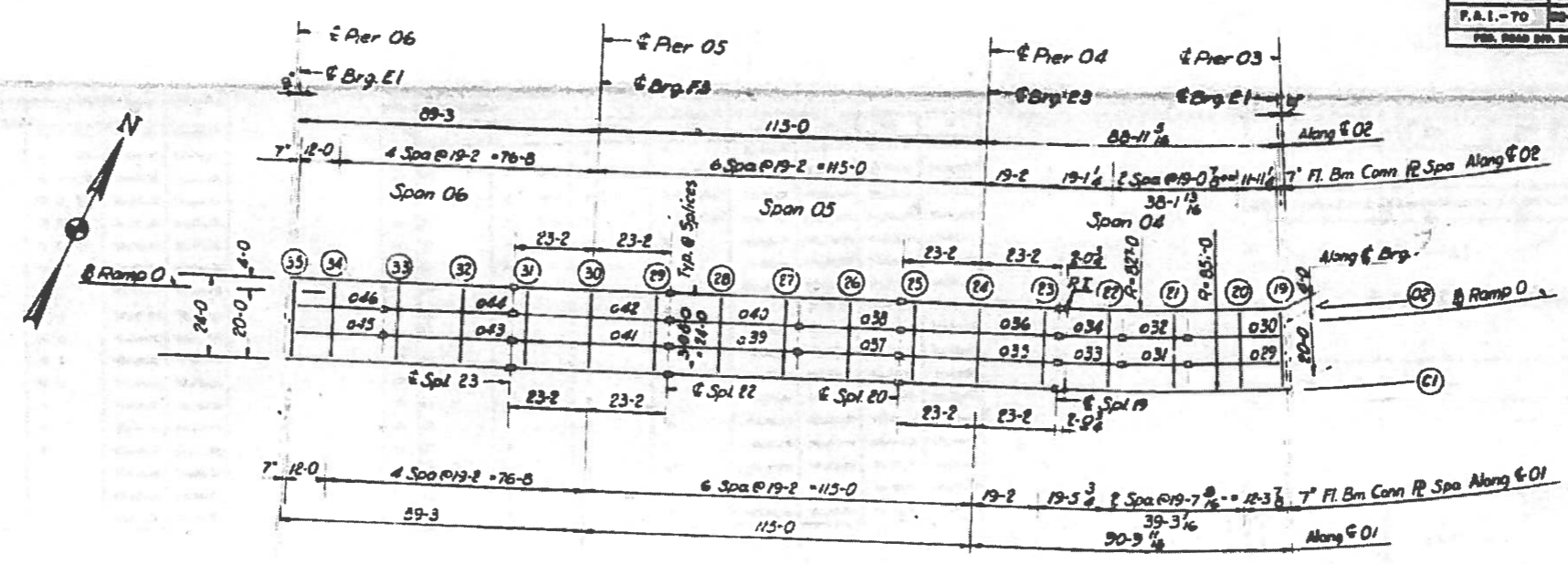
NOTES:
 Length L of Stringers and Fl. Bms is correct as given in the Table except the increment lengths are given to the nearest '16'. All dimensions are in the horizontal plane. For Connection Plate Det. see Sh. No. 348

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDG.
 DIVISION OF HIGHWAYS
 STRINGER AND FLOOR BEAM
 SCHEDULE
 SPANS 01 THRU 03
 POPLAR STREET BRIDGE APPROACHES
 RAMP 'C'

FOR INFORMATION ONLY

FILE NAME: <u>pw\IL084EBIDINTEG Illinois.gov\PW\DOT Documents\DOT Offices\District 8\Projects\0870\DRAWINGData\640sheets\0876G15-J117-sheet</u>	USER NAME: <u>mlcsm</u>	DESIGNED - <u>_____</u>	REVISED - <u>_____</u>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	
#MODELNAME:	PLOT SCALE: <u>100.0000 / 1"</u>	CHECKED - <u>_____</u>	REVISED - <u>_____</u>			<u>F.A.I. 70</u>	<u>82-3HYB-2-P</u>	<u>ST. CLAIR</u>	<u>24</u>	<u>8</u>
	PLOT DATE: <u>5/3/2016</u>	DATE: <u>_____</u>	REVISED - <u>_____</u>			SCALE:	SHEET	OF	SHEETS	STA. TO STA.
						CONTRACT NO. <u>76G15</u> (ILLINOIS) FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
P.A.I.-70	82-3HVB-2-P	ST. CLAIR	277	109
FED. ROAD DIST. NO. 6	ALIGNED	PROJECT		



PLAN
Spans 04 Thru 06

Notes:
Dimensions locating Floor Beams are given to the Floor Beam Conn. Plate, see Sketch Sheet No. 183

EXHAUSTION TOP OF BRIDGE DECK

	REL. 01	REL. 02	DIFF.
CL. BRG.	402.201	402.111	1.200
FLOOR BEAM 10	402.210	402.091	1.200
FLOOR BEAM 20	402.202	402.082	1.700
FLOOR BEAM 21	402.200	402.090	1.000
FLOOR BEAM 22	402.200	402.091	1.410
SPLICE 10	402.200	402.200	1.200
FLOOR BEAM 23	402.200	402.200	1.200
FLOOR BEAM 24	402.200	402.200	1.000
FLOOR BEAM 25	402.207	402.200	.077
SPLICE 20	402.201	402.200	.001
FLOOR BEAM 26	402.200	402.200	.700
FLOOR BEAM 27	402.211	402.200	.000
FLOOR BEAM 28	402.204	402.200	.004
SPLICE 22	402.200	402.200	.000
FLOOR BEAM 29	402.200	402.200	.000
FLOOR BEAM 30	402.200	402.201	.100
FLOOR BEAM 31	402.200	402.200	.000
SPLICE 23	402.200	402.200	.000
FLOOR BEAM 32	402.217	402.200	.107
FLOOR BEAM 33	402.200	402.200	.000
FLOOR BEAM 34	402.200	402.202	.002
FLOOR BEAM 35	402.200	402.200	.000
CL. BRG.	402.200	402.200	.000

BILL OF MATERIAL		
Structural Steel	Lbs.	286,900

* Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel Est. Wt. 6320

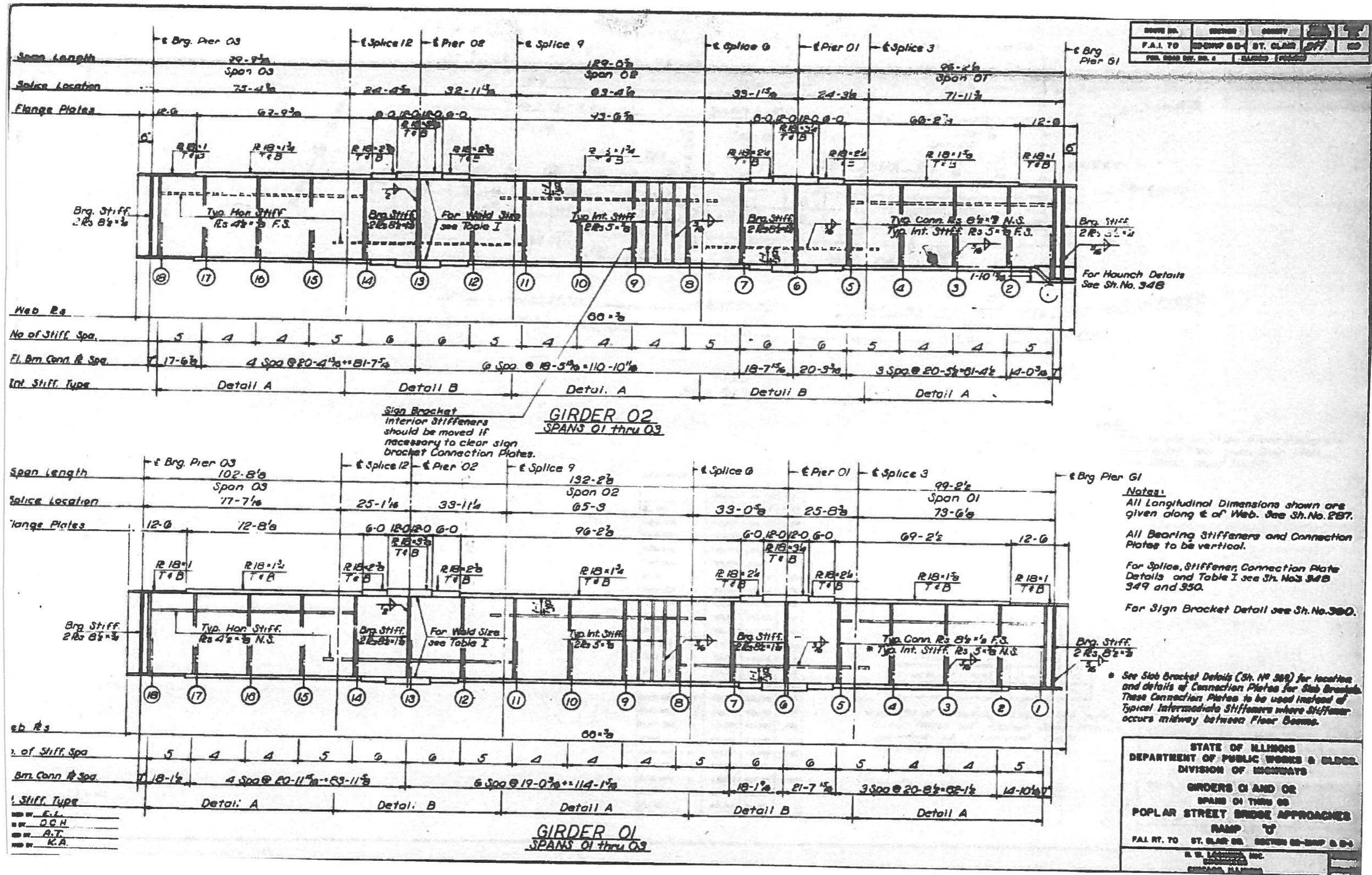
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDG.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS 04 THRU 06
POPLAR STREET BRIDGE APPROACHES
RAMP 'O'

F.A.I. RT.70 ST. CLAIR CO. DISTRICT 10
R. W. LUCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

F.M.R
J.K.
A.T.
K.A.

FOR INFORMATION ONLY

FILE NAME *	USER NAME * mlciomr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0875\Drawings\GAD\Sheet\0875015-11x17-shd	PROJECT DATA * 100.0000' / in.	CHECKED -	REVISED -			82-3HVB-2-P	ST. CLAIR	24	8A	
MODEL NAME *	PLOT DATE * 5/3/2016	DATE -	REVISED -			F.A.I. TO / FAP 312	CONTRACT NO. 76G15	ILLINOIS FED. AID PROJECT		



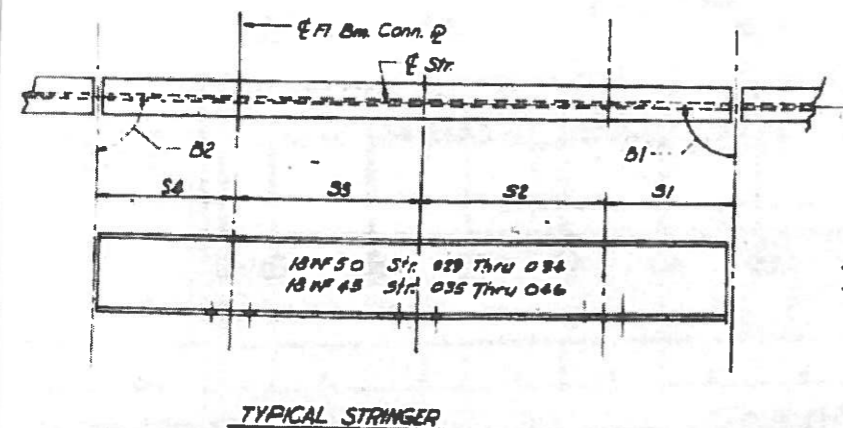
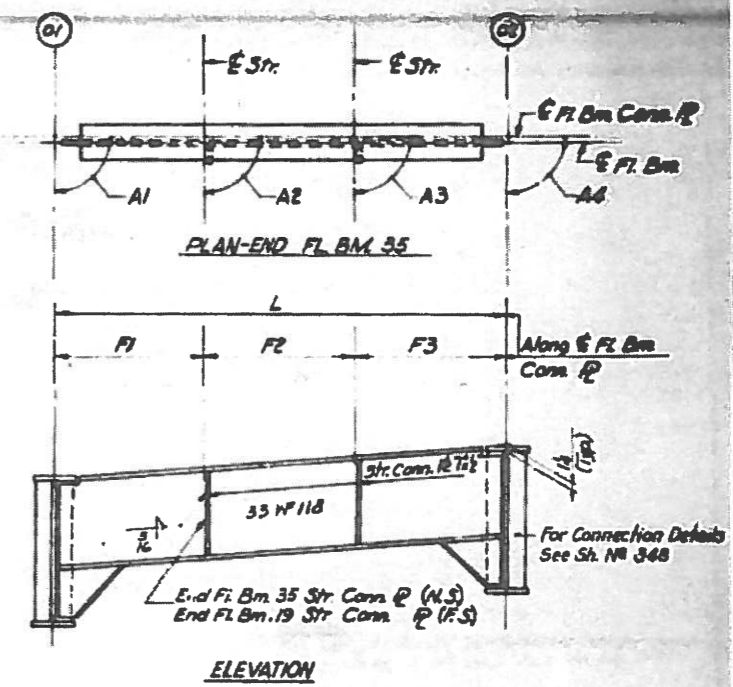
FOR INFORMATION ONLY

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pn\11084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0875\DRWING\082-0201-11-17-shd	m1010m	DRWING	REVISED			02-3HVB-2-P	ST. CLAIR	24	9	
MODEL NAME	PLOT SCALE = 1/8" = 1'-0"	CHECKED	REVISED		SCALE: _____ SHEET _____ OF _____ SHEETS	F.A. 70 / FAP 312				CONTRACT NO. 76G15
	PLOT DATE = 5/3/2016	DATE	REVISED		STA. _____ TO STA. _____					ILLINOIS FED. AID PROJECT

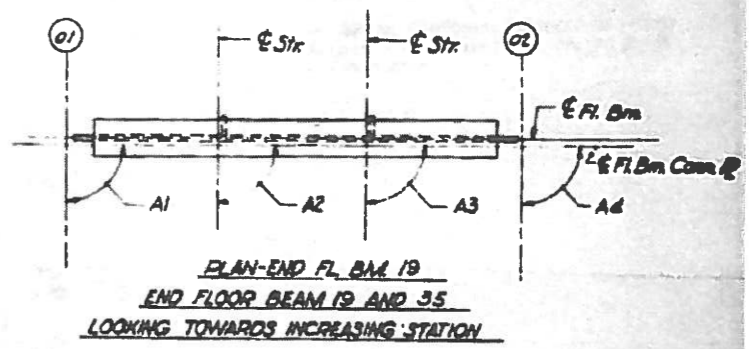
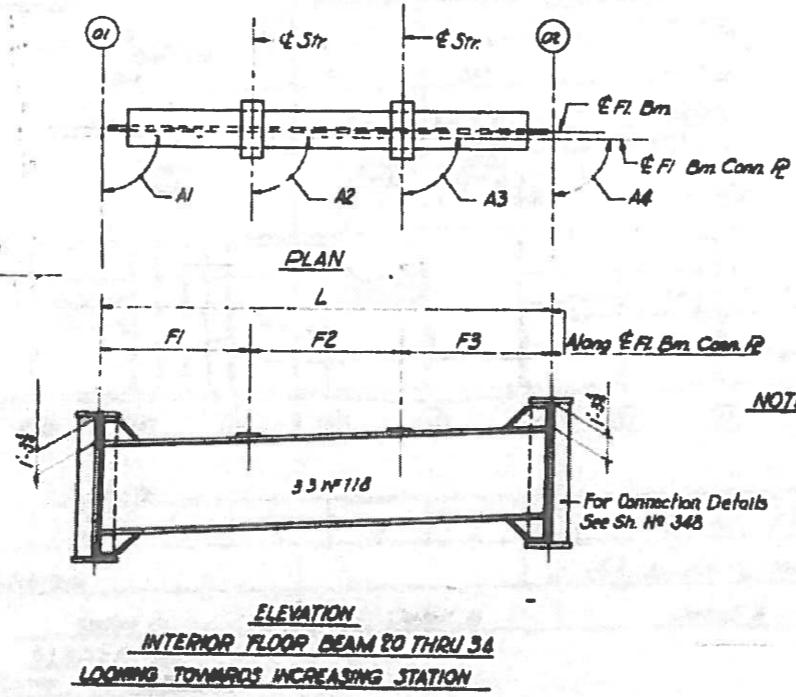
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 70	82-3HV8-2-P	ST. CLAIR	24	9A
ILLINOIS FED. AID PROJECT				

FL. BM	L	F1	F2	F3	A1	A2	A3	A4
19	04	0	0	0	92.85.00	91.91.00	91.91.00	92.85.00
20	04	0	1 1/16	0	92.05.00	92.05.00	92.05.00	92.05.00
21	04	0	1 1/16	0	92.05.00	92.05.00	92.05.00	92.05.00
22	04	0	1 1/16	0	92.05.00	92.05.00	92.05.00	92.05.00
23	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
24	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
25	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
26	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
27	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
28	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
29	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
30	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
31	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
32	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
33	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
34	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
35	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00

FL. BM	L	F1	F2	F3	A1	A2	A3	A4
19	04	0	0	0	92.85.00	91.91.00	91.91.00	92.85.00
20	04	0	1 1/16	0	92.05.00	92.05.00	92.05.00	92.05.00
21	04	0	1 1/16	0	92.05.00	92.05.00	92.05.00	92.05.00
22	04	0	1 1/16	0	92.05.00	92.05.00	92.05.00	92.05.00
23	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
24	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
25	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
26	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
27	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
28	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
29	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
30	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
31	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
32	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
33	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
34	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00
35	04	0	0	0	92.07.00	92.07.00	92.07.00	92.07.00



S.M.R.
A.T.
K.A.



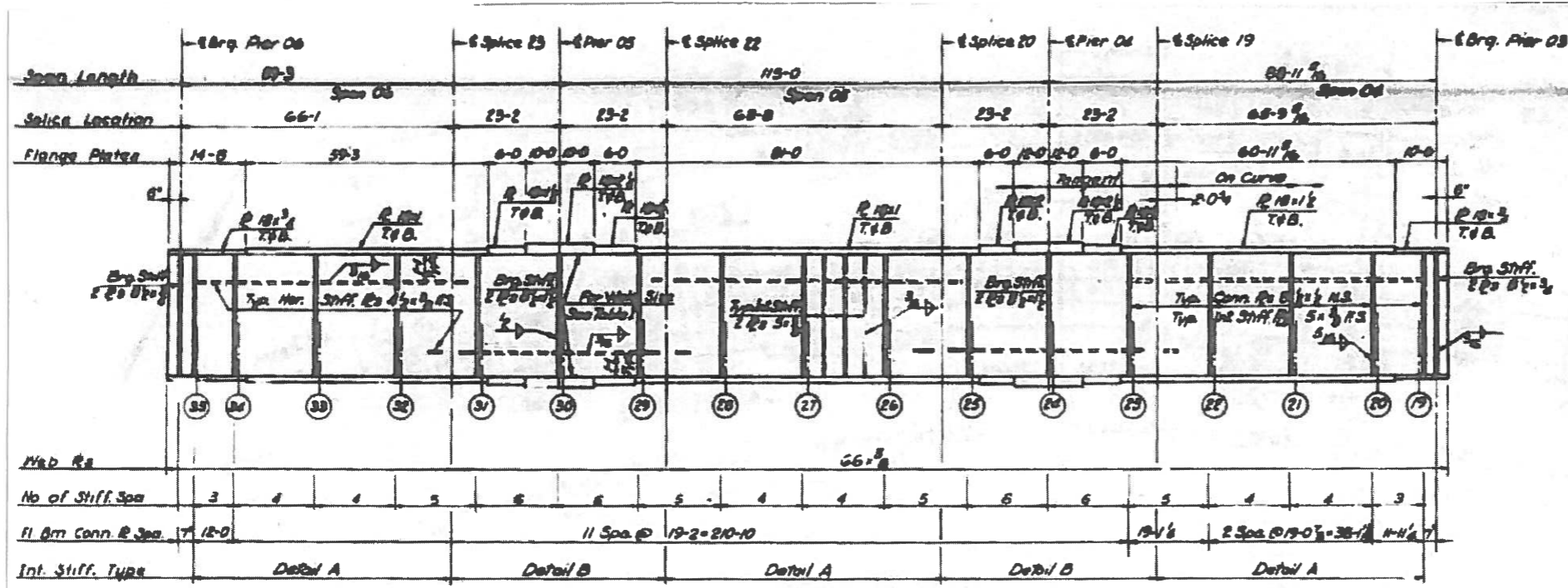
NOTES: Length L of Stringers and Fl. Bms. is correct as given in the table except the increment lengths are given to the nearest 1/16". All dimensions are in the horizontal plane. For Connection Plots Def. See Sh. No 348

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
STRINGER AND FLOOR BEAM
SCHEDULE
SPAN 04 THRU 08
POPLAR STREET BRIDGE APPROACH
RAMP

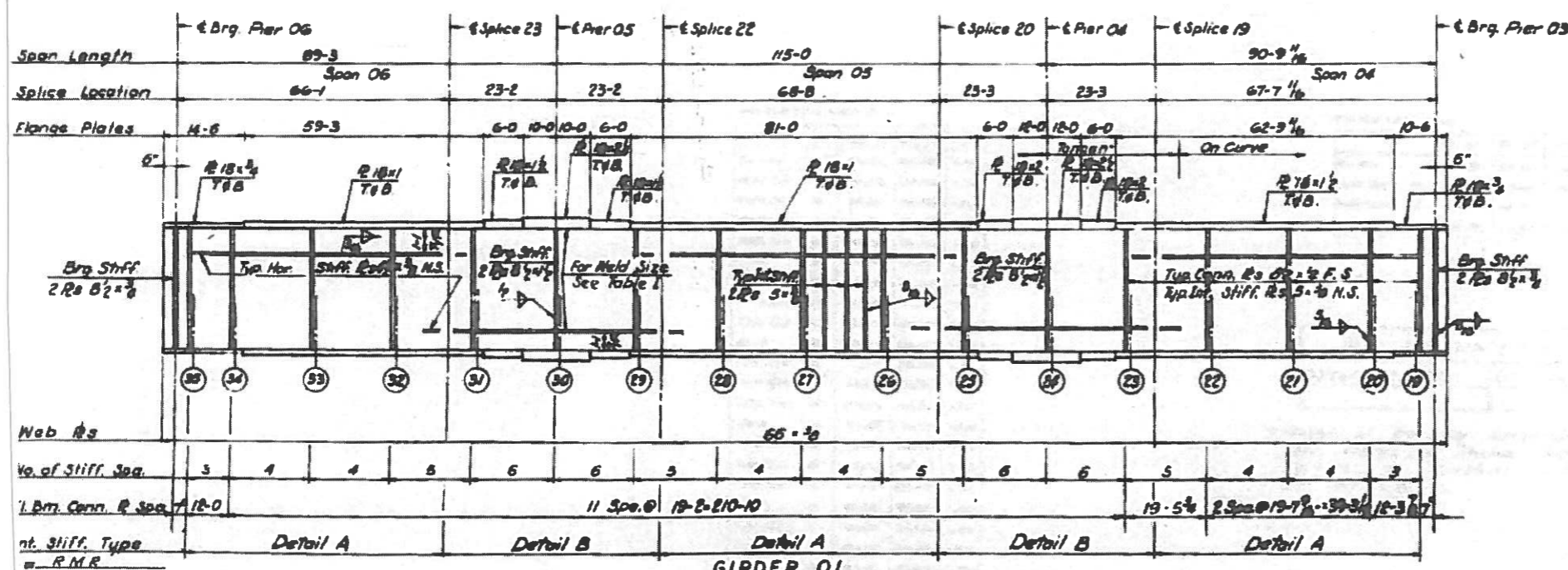
F.A.I. RT. 70 ST. CLAIR CO. ILLINOIS
K. W. LORBER, INC.
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

FILE NAME *	USER NAME * mlocom	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pu:\11884EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 8\Projects\087\DR\DrawData\GAD\sheeta\876G15-11x17-shr.d	DR\DrawData\GAD\sheeta\876G15-11x17-shr.d	CHECKED -	REVISED -				82-3HV8-2-P	ST. CLAIR	24	9A	
PLOT SCALE = 100.0000' / 1"		DATE -	REVISED -				FAI 70 / FAP 312	CONTRACT NO. 76G15		ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/3/2016											



GIRDER 02
Spans 04 Thru 06



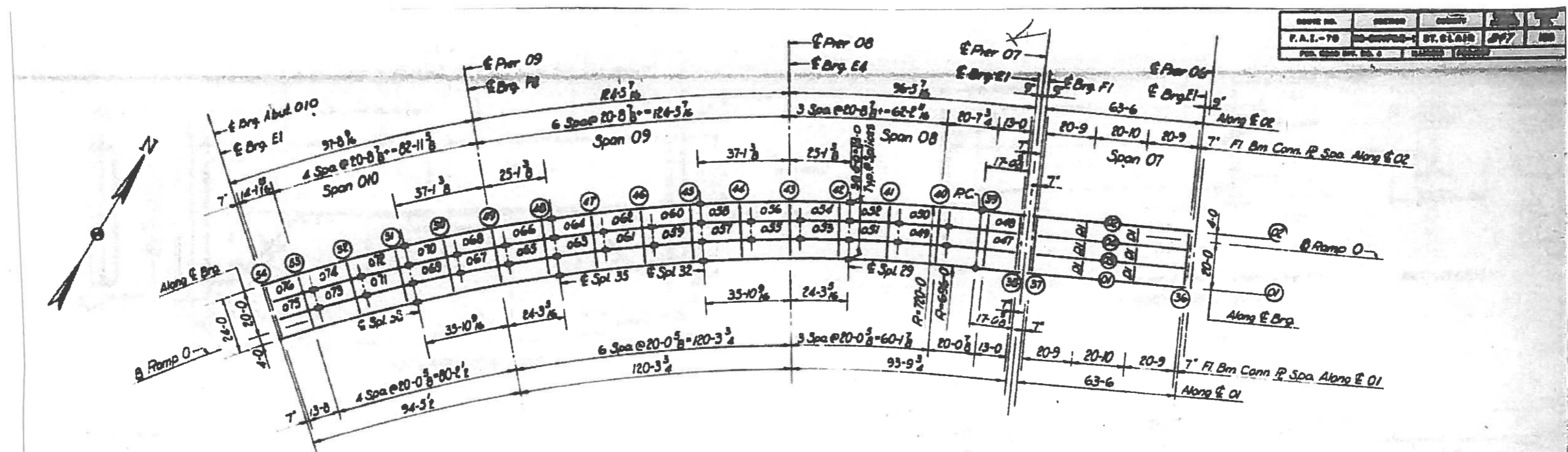
GIRDER 01
Spans 08 Thru 06

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-3HV8-2-P	ST. CLAIR	24	10

Notes:
All Longitudinal Dimensions shown are given along ϵ of Web. See Sh. No. 291
All Bearing Stiffeners and Connection Plates to be vertical.
For Splice, Stiffener, Connection Plate Details and Table 1 see Sh. No. 348 349 and 350.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDG.
DIVISION OF HIGHWAYS
GIRDERS 01 AND 02
SPANS 04 THRU 06
POPLAR STREET BRIDGE APPROACHES
RAMP "D"
F.A.I. 70 ST. CLAIR CO. SECTION 82-3HV8-2-P
E. W. LORING, INC.
CHICAGO, ILLINOIS

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	DATE
F.A.I.-70	82-3HV8-2-P	ST. CLAIR	JPF
P.O. 0200	ST. CLAIR	ILLINOIS	1970

PLAN
Spans 07 Thru 010

Note:
Dimensions locating Floor Beams are given to the Floor Beam Conn. Plate, see Sketch Sheet No. 183

	REL. O1	REL. O2	DIFF.
CL. BSL.	444.570	444.710	1.140
FLOOR BEAM 20	444.500	444.500	1.140
FLOOR BEAM 20	444.500	444.570	1.200
FLOOR BEAM 20	444.500	444.507	1.470
FLOOR BEAM 41	441.400	442.710	1.200
WPLNK	444.570	441.507	1.200
FLOOR BEAM 42	444.700	441.507	1.200
FLOOR BEAM 43	444.500	444.500	1.200
FLOOR BEAM 44	444.500	444.500	1.200
WPLNK	444.500	444.500	1.200
FLOOR BEAM 45	444.500	444.500	1.200
FLOOR BEAM 46	444.500	444.500	1.200
FLOOR BEAM 47	444.500	444.500	1.200
WPLNK	444.500	444.500	1.200
FLOOR BEAM 48	444.500	444.500	1.200
FLOOR BEAM 49	444.500	444.500	1.200
WPLNK	444.500	444.500	1.200
FLOOR BEAM 50	444.500	444.500	1.200
FLOOR BEAM 51	444.500	444.500	1.200
FLOOR BEAM 52	444.500	444.500	1.200
FLOOR BEAM 53	444.500	444.500	1.200
FLOOR BEAM 54	444.500	444.500	1.200
CL. BSL.	444.500	444.500	1.200

	REL. O1	REL. O2	DIFF.
CL. BSL.	444.500	444.500	.000
FLOOR BEAM 20	444.500	444.500	.014
FLOOR BEAM 27	444.500	444.500	1.123
CL. BSL.	444.500	444.500	1.120

BILL OF MATERIAL		
Structural Steel	Lbs.	424,180

* Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel Est. Wt. 9140 lbs.

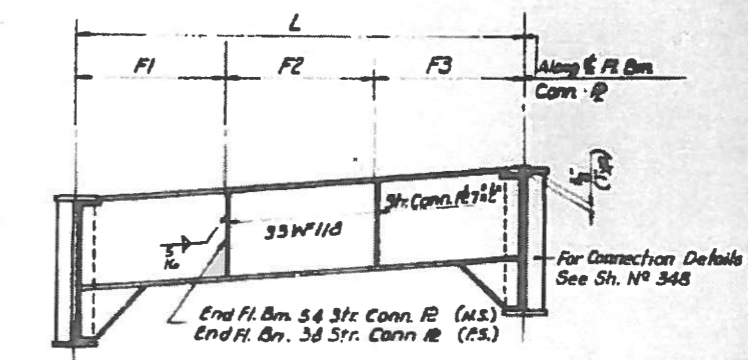
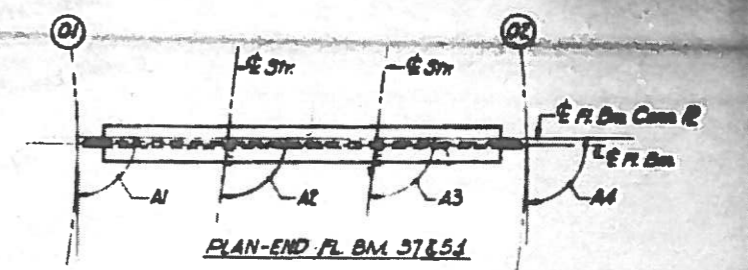
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS 07 THRU 010
POPLAR STREET BRIDGE APPROACHES RAMP "O"
F.A.I. 70 ST. CLAIR CO. SECTION 82-3HV8-2-P
R. W. LOCKER, INC.
ENGINEERS
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

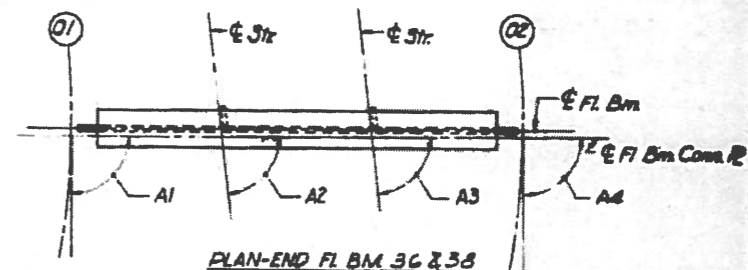
ROUTE NO.	SECTION	STATION
F.A.I. - TO	82-3HV8-2-P	ST. CLAIR
POP. ROAD DIST. DIST. 2		

STATION	SPAN	STR.	FL. BM.	FL. BM.
27	0	0	0	0
28	0	0	0	0
29	0	0	0	0
30	0	0	0	0
31	0	0	0	0
32	0	0	0	0
33	0	0	0	0
34	0	0	0	0
35	0	0	0	0
36	0	0	0	0
37	0	0	0	0
38	0	0	0	0
39	0	0	0	0
40	0	0	0	0
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72	0	0	0	0
73	0	0	0	0
74	0	0	0	0
75	0	0	0	0
76	0	0	0	0

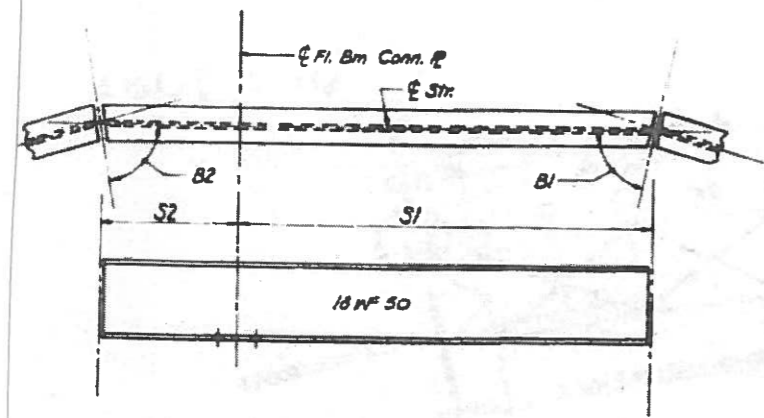
STATION	SPAN	STR.	FL. BM.	FL. BM.	FL. BM.	FL. BM.
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	0	0	0	0	0	0
32	0	0	0	0	0	0
33	0	0	0	0	0	0
34	0	0	0	0	0	0
35	0	0	0	0	0	0
36	0	0	0	0	0	0
37	0	0	0	0	0	0
38	0	0	0	0	0	0
39	0	0	0	0	0	0
40	0	0	0	0	0	0
41	0	0	0	0	0	0
42	0	0	0	0	0	0
43	0	0	0	0	0	0
44	0	0	0	0	0	0
45	0	0	0	0	0	0
46	0	0	0	0	0	0
47	0	0	0	0	0	0
48	0	0	0	0	0	0
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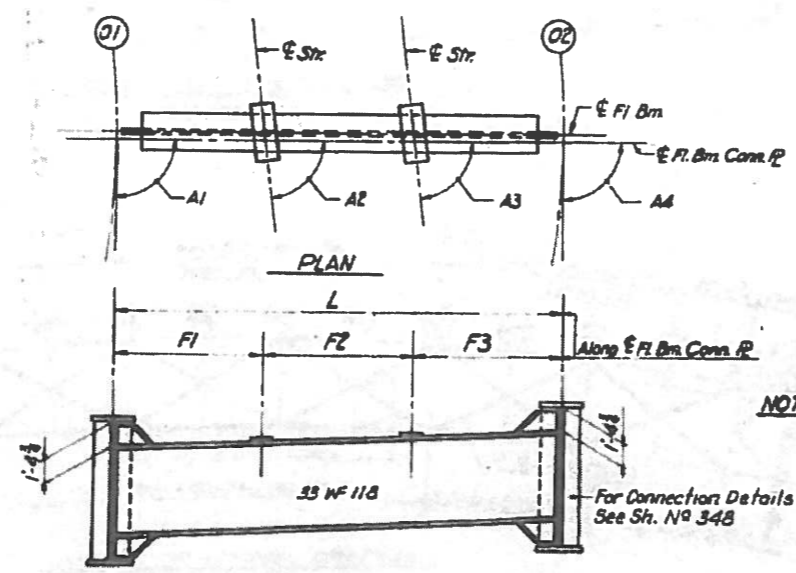
ELEVATION END FL. BMS. 38 & 54
 Note: For Elevation of End Fl. Bms 36 & 57 see Sheet No. 298



PLAN-END FL. BM. 36 & 58
END FLOOR BEAM 36-37-38 & 54
 LOOKING TOWARDS INCREASING STATION



R.M.R.
 J.R.
 A.T.
 R.A.



ELEVATION
INTERIOR FLOOR BEAM 39 THRU 53
 LOOKING TOWARDS INCREASING STATION

NOTES:
 Length L of Stringers and Fl. Bms is correct as given in the Table except the increment lengths are given to the nearest 1/8".
 All dimensions are in the horizontal plane.
 For Connection Plate Def. see Sh. N° 348

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDG.
 DIVISION OF HIGHWAYS
 STRINGER AND FLOOR BEAM
 SCHEDULE
 SPANS 07 THRU 09
 POPLAR STREET BRIDGE APPROACHES
 RAMP "D"

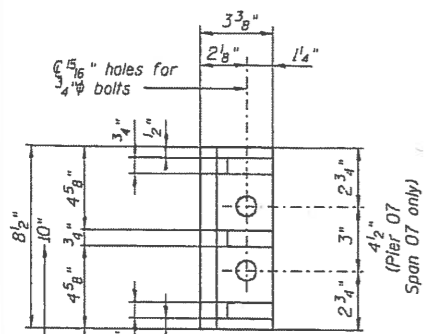
F.A.I. RT. TO ST. CLAIR CO.
 H. W. LOCKER, SEE
 CINCINNATI, OHIO
 CHICAGO, ILLINOIS

FOR INFORMATION ONLY

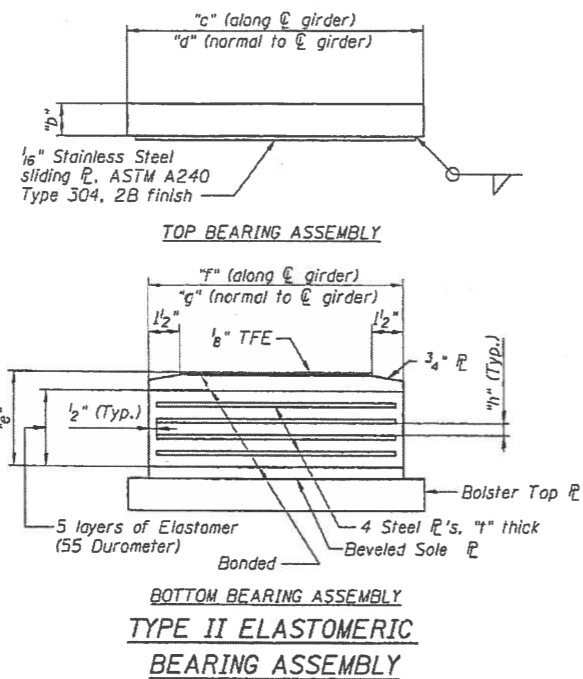
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	"SET"	SHEET NO. 45
FAI-70		St. Clair	388	195	48 SHEETS
FED. ROAD DIST. NO. 7					FED. AID PROJECT

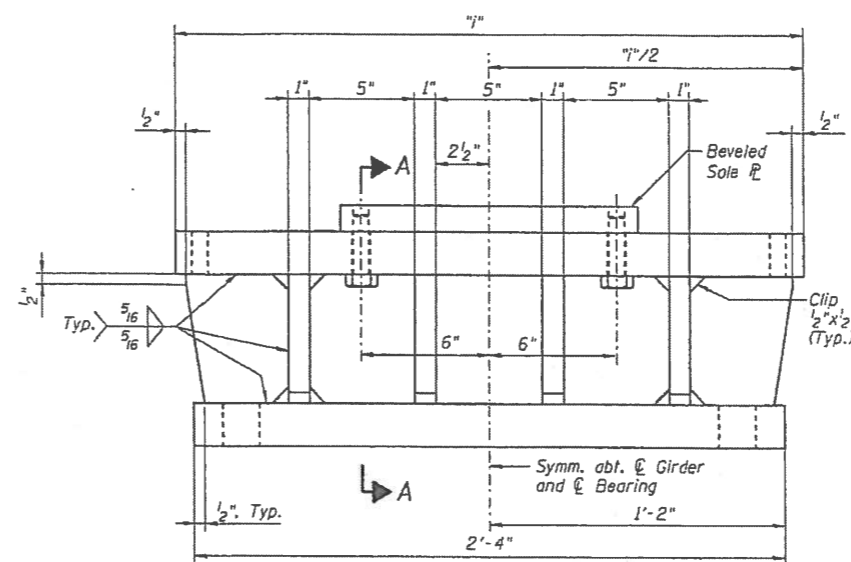
*(82-3HVB-2R-1)-2



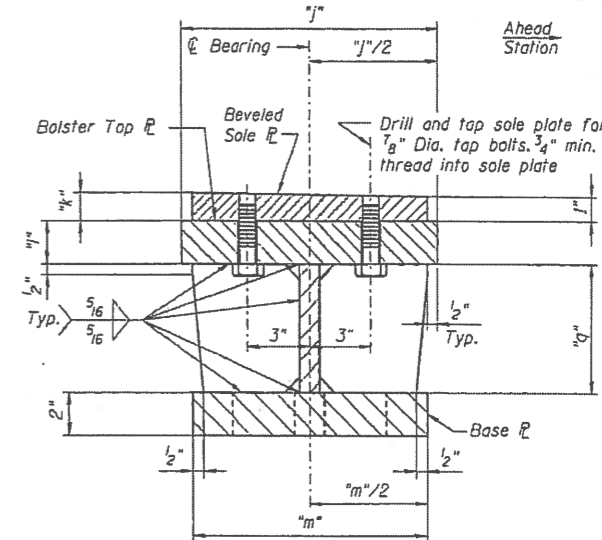
SIDE RETAINER



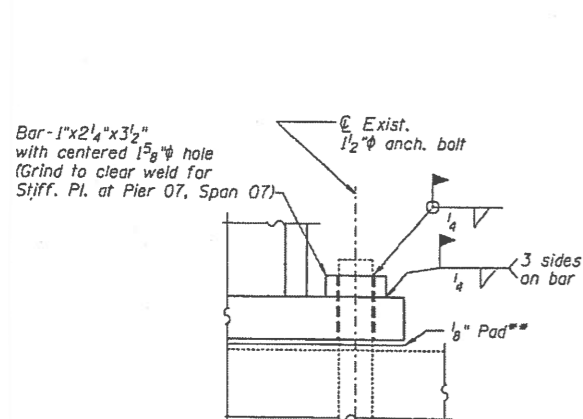
TOP BEARING ASSEMBLY
BOTTOM BEARING ASSEMBLY
TYPE II ELASTOMERIC BEARING ASSEMBLY



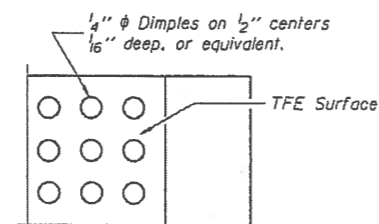
BOLSTER ELEVATION



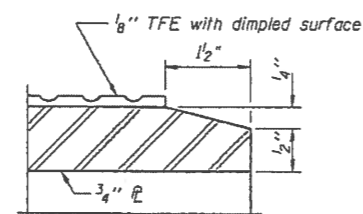
SECTION A-A



DETAIL 1



PLAN-TFE SURFACE



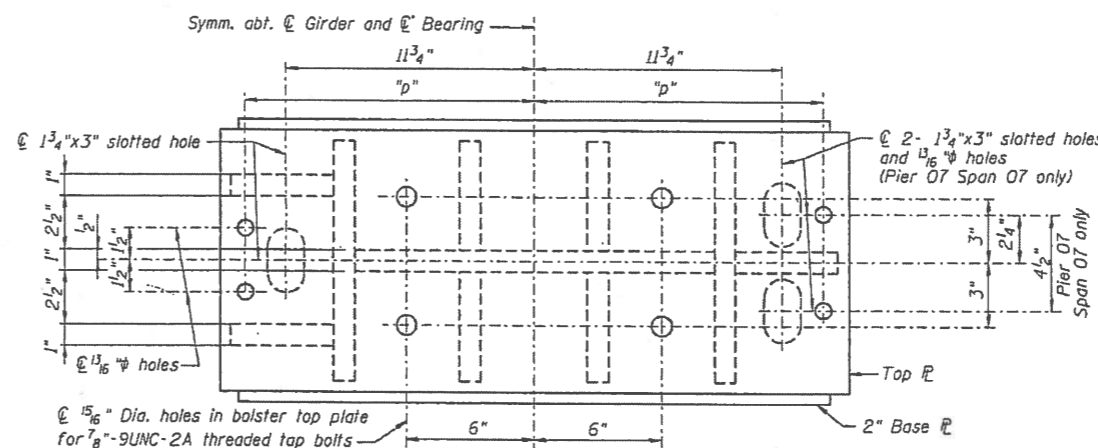
SECTION THRU TFE

1/8" Elastomeric Neoprene leveling pad according to Article 1052.02 of the Standard Specifications. Cost of mat included with bearing.

Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces. Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

DESIGNED	D. James
CHECKED	R. Victor
DRAWN	M. King
CHECKED	R. Victor

PREPARED BY
JACOBS CIVIL INC.
ST. LOUIS, MO



BOLSTER PLAN

TABLE OF DIMENSIONS									
Pier / Span	"a"	"b"	"c"	"d"	"e"	"f"	"g"	"h"	"i"
Pier 06 Span 06	8 3/8"	1 3/4"	1'-0"	1'-8"	4 7/16"	1'-0"	1'-2"	9/16"	2'-3"
Pier 06 Span 07	9 1/2"	2 3/4"	11 3/8"	1'-11"	4 7/16"	1'-0"	1'-9"	9/16"	2'-6"
Pier 07 Span 07	9 1/2"	3 3/8"	9 3/8"	2'-4"	3 9/16"	10"	2'-2"	7/16"	2'-11"
Pier 07 Span 08	8 3/4"	1 7/8"	1'-0"	1'-8"	4 7/16"	1'-0"	1'-4"	9/16"	2'-3"
Pier / Span	"j"	"k"	"l"	"m"	"n"	"o"	"p"	"q"	"r"
Pier 06 Span 06	1'-0 1/4"	1 5/8"	1 5/8"	1'-0 1/4"	1'-0 1/4"	4"	3/16"		
Pier 06 Span 07	11 3/8"	1 1/16"	1"	1'-0 1/4"	1'-1 3/4"	3 5/8"	3/16"		
Pier 07 Span 07	10 1/4"	1 9/16"	1"	9"	1'-4 1/4"	3 7/8"	1/8"		
Pier 07 Span 08	1'-0 3/4"	1 13/16"	1 3/8"	1'-0 3/4"	1'-0 1/4"	4"	3/16"		

NOTES

See notes on sheet 44.

Cost of Bolsters, Beveled Plates, and Side Retainers shall be included in the Lump Sum of "Furnishing and Erecting Structural Steel".

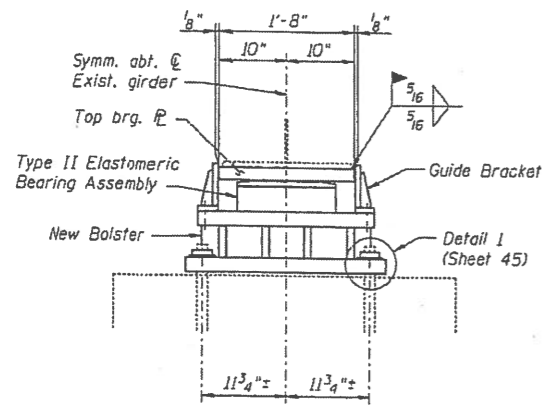
REHABILITATION FOR FAI 55/70 COMPLEX
RAMP 0 - STRUCTURE NO. 082-0201
BEARINGS
(FAI-70) ST. CLAIR CO.

FOR INFORMATION ONLY

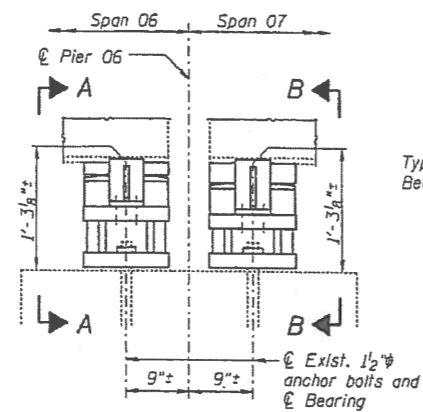
FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...	...	...	...	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	82-3HVB-2-P	ST. CLAIR	24	13	13
...	...	...	...	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	FAI 70 / FAP 312	ST. CLAIR	24	13	13
...	...	...	...	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	ILLINOIS FED. AID PROJECT	ST. CLAIR	24	13	13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

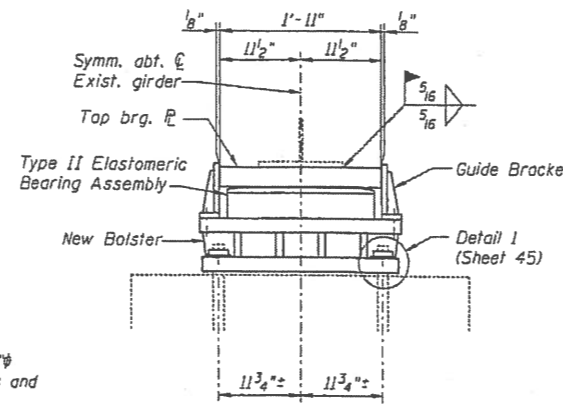
ROUTE NO.	DISTRICT	COUNTY	SHEET	SHEET	SHEET NO. 44
FAI-70	*	St. Clair	388	194	48 SHEETS
FED. ROAD DIST. NO. 1					BLANKETS
					* (82-3HVB-2R-D)-2



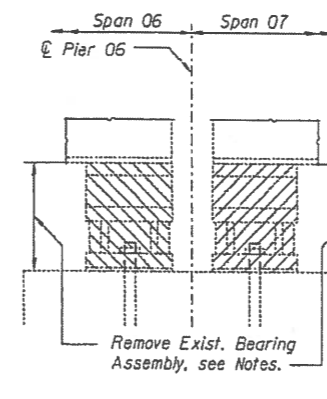
SECTION A-A



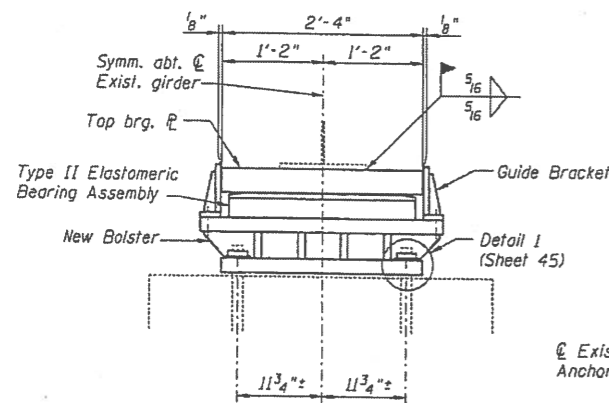
ELEVATION AT PIER 06



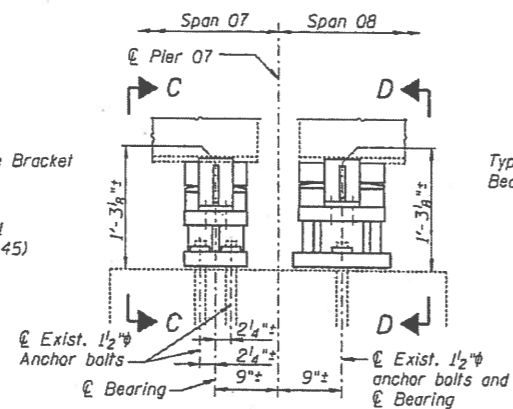
SECTION B-B



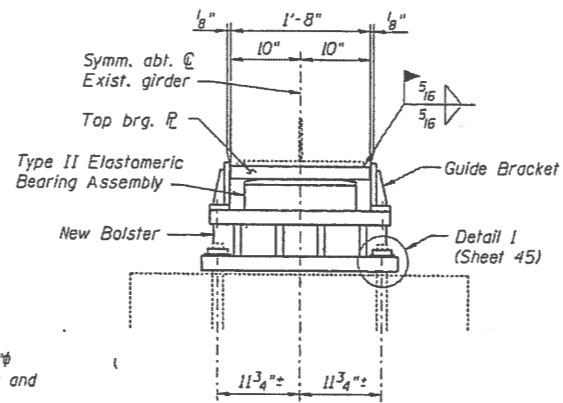
BEARING REMOVAL AT PIER 06



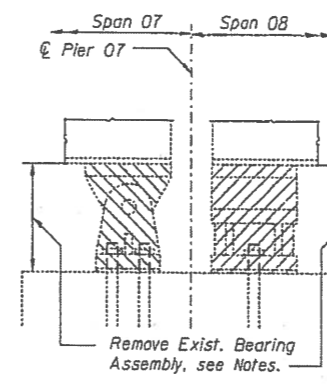
SECTION C-C



ELEVATION AT PIER 07



SECTION D-D



BEARING REMOVAL AT PIER 07

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	8

NOTES

Minimum Jack Capacity:
1. The capacity of the jacks used to lift the bridge shall be at least 50% to 100% greater than the theoretical jacking loads shown in the table.

Bearing Demolition:
1. After jacking the structure off the bearing assembly, remove existing anchor bolt nuts and/or any welded plate washers that secure the existing bearing assembly to the anchor bolt. Existing anchor bolts are to remain intact to a minimum projection of 4" above top of concrete. Contractor shall verify soundness of existing anchor bolts prior to installation of new bearing assembly. Regrout in place if necessary.
2. All portions of existing bearing assemblies, including bolsters, sole plates and shims, shall be removed.

Bearing Installation:
1. Bearings to be replaced are for both girders at locations shown.
2. If the portion of the bottom flange above the new bearing is bent, the flange should be straightened using continuous pressure applied to both faces of the plate simultaneously before installation of the new bearing.
3. Top of column concrete shall be leveled using an epoxy grout prior to bearing installation.
4. Shim as required between top of leveled column and bottom of bolster.
5. Area between retainer bars and elastomeric bearing to be filled with an Elastomeric Polymer type sealer, 1" thick, and sloped to drain.
6. Existing grounding wires to be re-attached after bearing replacement is complete.

THEORETICAL JACKING LOADS			
Span	Pier	Jacking Load per Bearing	
		Dead Load	Live Load + Impact
06	06	83 k	57 k
07	06	125 k	90 k
07	07	127 k	90 k
08	07	94 k	59 k

Note: The theoretical jacking loads listed above were taken from the design drawings for the original structure. See Special Provision "Jack and Remove Existing Bearings" for requirements and limitations for jacking the structure.

REHABILITATION FOR FAI 55/70 COMPLEX
RAMP 0 - STRUCTURE NO. 082-0201
BEARINGS
(FAI-70) ST. CLAIR CO.

DESIGNED	D. James
CHECKED	R. Victor
DRAWN	M. King
CHECKED	R. Victor

PREPARED BY:
JACOBS CIVIL INC.
ST. LOUIS, MO

FOR INFORMATION ONLY

FILE NAME	USER NAME	DESIGNED	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0201 EXISTING STRUCTURE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois\gov\FWIDOT\Documents\DOT Offices\District 8\Projects\087\Drawings\082\082-0201\17-sh.dwg	m1c1omr	05/03/2016	1			*	82-3HVB-2-P	ST. CLAIR	24	14
MODELNAME	PLOT SCALE	DATE	REVISIONS		SCALE:	FAI 70 / FAP 312		CONTRACT NO. 76G15		ILLINOIS FED. AID PROJECT
	1/8" = 1'-0"	05/03/2016	1							

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
FAI-70	#	St. Clair	388 239	51 SHEETS

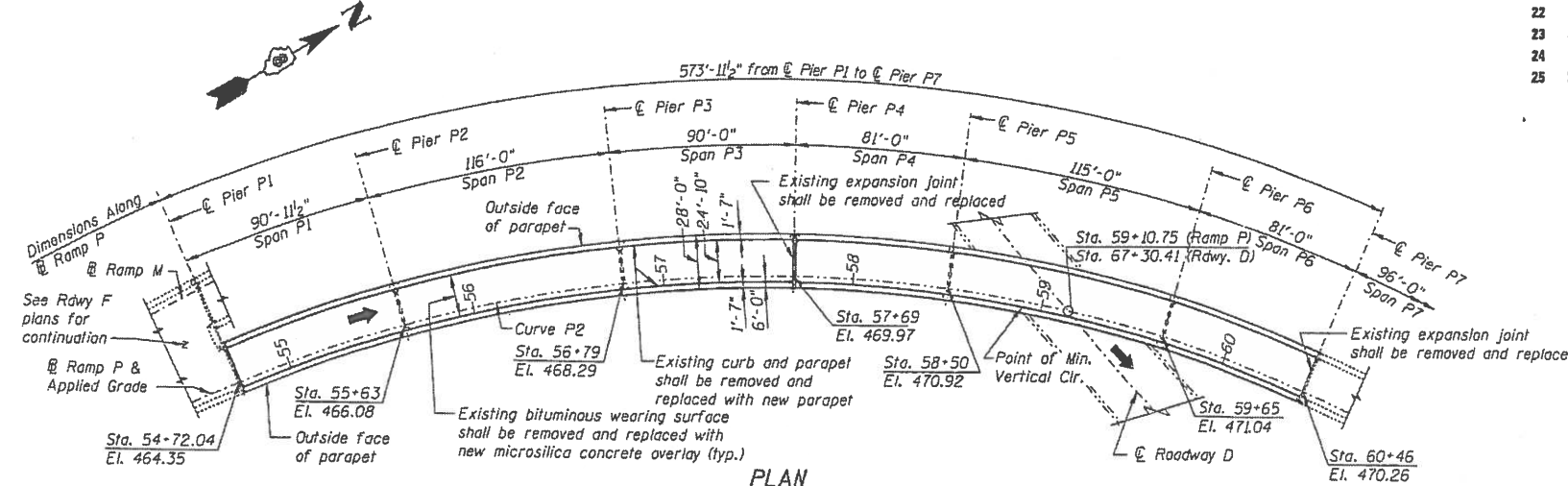
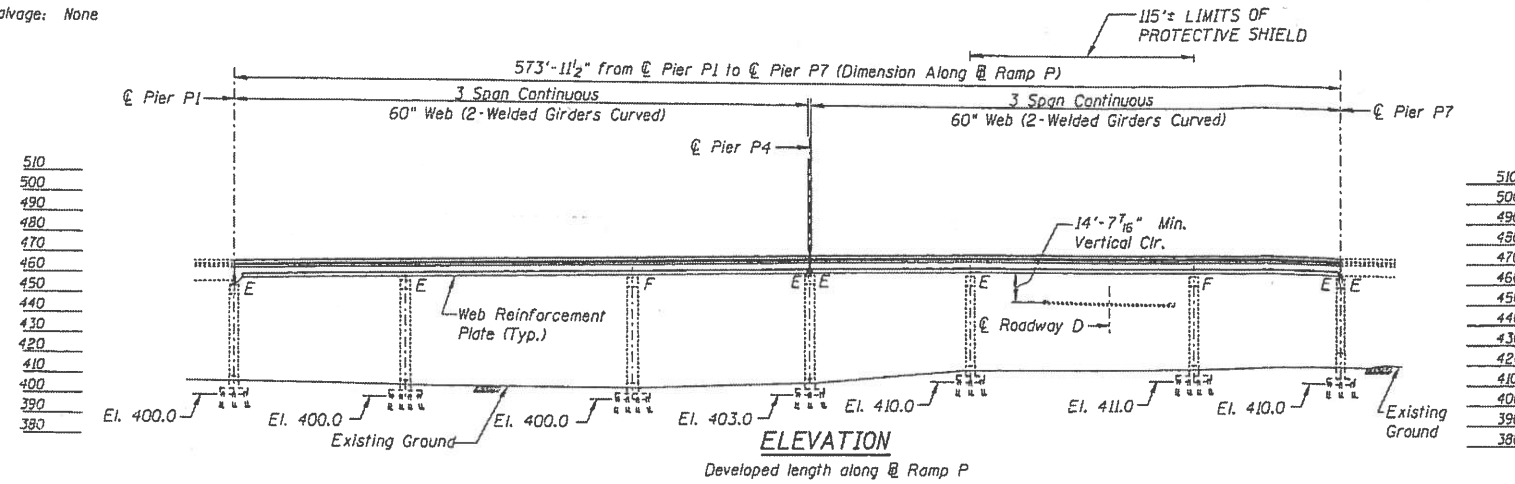
Benchmark: #26 Elev. 404.396 X-cut in N.W. corner of concrete abutment at center pier of Ill. Central R.R. Bridge over Ill. Rte. 3.

Existing Structure: SN 082-0203 was built as F.A.I. Route 70 Section (82-3HVB-2R-1)-2 in 1967. The roadway is striped for one lane. The Superstructure consists of three 3 span continuous units and one 4 span continuous unit with two welded steel plate girders, plate girder floor beams, rolled stringers, and non-composite R.C. slab, and one simple span with composite slab on rolled girders. The Substructure is R.C. piers on R.C. piles. Existing structure shall be rehabilitated with seismic retrofit and redundancy retrofit. Traffic shall be maintained during the rehabilitation.

Salvage: None

INDEX OF SHEETS

- | | |
|--|---|
| 1 GENERAL PLAN AND ELEVATION SPANS P1 THRU P6 | 28 RETROFIT AND SUBSTRUCTURE REPAIR PIER P7 |
| 2 GENERAL PLAN AND ELEVATION SPANS P7 THRU P15 | 27 RETROFIT AND SUBSTRUCTURE REPAIR PIER P8 |
| 3 GENERAL NOTES AND TOTAL BILL OF MATERIAL | 28 RETROFIT AND SUBSTRUCTURE REPAIR PIER P9 |
| 4 SCOPE OF WORK | 29 RETROFIT AND SUBSTRUCTURE REPAIR PIER P10 |
| 5 NOT USED | 30 RETROFIT AND SUBSTRUCTURE REPAIR PIER P11 |
| 6 SLAB SPANS P1 THRU P4 | 31 RETROFIT AND SUBSTRUCTURE REPAIR PIER P12 |
| 7 SLAB SPANS P5 THRU P8 | 32 RETROFIT AND SUBSTRUCTURE REPAIR PIER P13 |
| 8 SLAB SPANS P9 THRU P12 | 33 RETROFIT AND SUBSTRUCTURE REPAIR PIER P14 |
| 9 SLAB SPANS P13 THRU P15 | 34 RETROFIT AND SUBSTRUCTURE REPAIR PIER P14 |
| 10 PARAPET DETAILS SPANS P1 THRU P6 | 35 RETROFIT AND SUBSTRUCTURE REPAIR PIER P15 |
| 11 PARAPET DETAILS SPANS P4 THRU P9 | 36 CRACK EXTENSION RETROFIT AND REDUNDANCY RETROFIT DETAILS |
| 12 PARAPET DETAILS SPANS P10 THRU P15 | 37 REDUNDANCY RETROFIT DETAILS |
| 13 PARAPET DETAILS AND SUPERSTRUCTURE BILL OF MATERIAL | 38 TYPICAL REDUNDANCY RETROFIT DETAILS |
| 14 DEMOLITION DETAILS | 39 SUPERSTRUCTURE REPAIR TABLE |
| 14A EXPANSION JOINT REPLACEMENT DETAILS | 40 BUMPER / RESTRAINER DETAILS |
| 15 DRAINAGE DETAILS | 41 BUMPER / RESTRAINER DETAILS |
| 16 DRAINAGE SCUPPER DS-33 | 42 MISCELLANEOUS SEISMIC RETROFIT DETAILS |
| 17 PJS EXPANSION JOINT DETAILS PIERS P14 AND P15 | 43 CROSS FRAME MODIFICATIONS |
| 18 NEOPRENE EXPANSION JOINT DETAILS PIERS P4 AND P7 | 44 CROSS FRAME MODIFICATIONS |
| 19 FINGER PLATE DETAILS PIER P10 | 45 PIER SEISMIC RETROFIT DETAILS |
| 20 FINGER PLATE DETAILS PIER P10 | 46 PIER COLUMN BASE MODIFICATION PIER P14 |
| 20A DRAINAGE SYSTEM AT FINGER PLATE PIER P10 | 47 PIER SEISMIC MODIFICATIONS |
| 21 RETROFIT AND SUBSTRUCTURE REPAIR PIER P2 | 48 AS-BUILT DECK REPAIR LOCATIONS SPANS P1 THRU P4 |
| 22 RETROFIT AND SUBSTRUCTURE REPAIR PIER P3 | 49 AS-BUILT DECK REPAIR LOCATIONS SPANS P5 THRU P6 |
| 23 RETROFIT AND SUBSTRUCTURE REPAIR PIER P4 | 50 AS-BUILT DECK REPAIR LOCATIONS SPANS P9 THRU P12 |
| 24 RETROFIT AND SUBSTRUCTURE REPAIR PIER P5 | 51 AS-BUILT DECK REPAIR LOCATIONS SPANS P3 THRU P15 |
| 25 RETROFIT AND SUBSTRUCTURE REPAIR PIER P6 | |



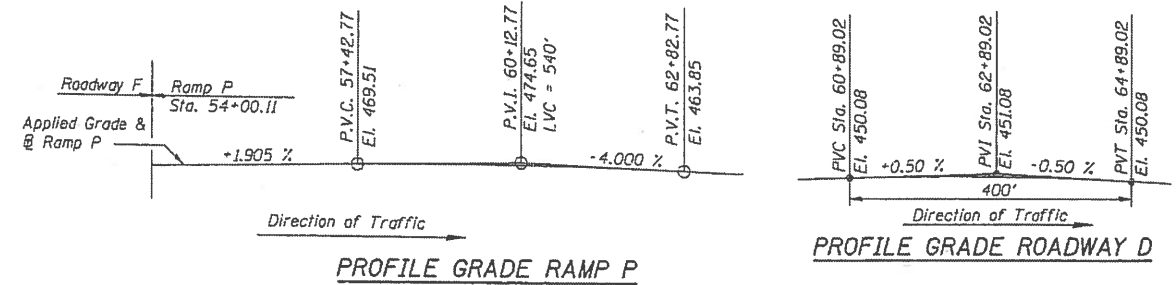
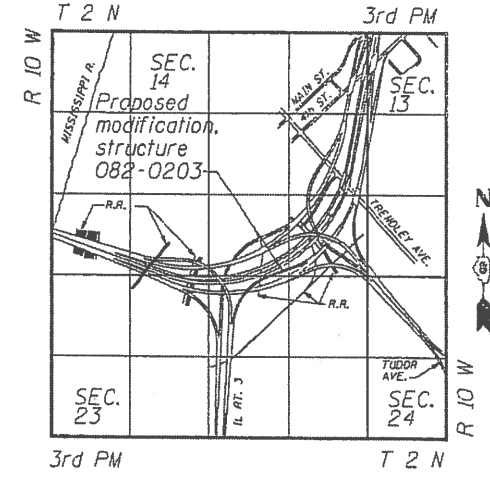
CURVE DATA

CURVE P2	
P.I.	= 58+81.46
Δ	= 65°23'55"
D	= 8°11'06"
R	= 700.00'
L	= 798.99'
T	= 449.38'
E	= 131.83'
S	= 8.00%

NOTES

Profile grade elevations are to top of original slab and do not take into account wearing surface or overlay thickness.

LOCATION SKETCH



DESIGN SPECIFICATIONS:

1996 AASHTO with 1997 thru 2002 interims.
FHWA-RD-94-052 "Seismic Retrofitting Manual for Highway Bridges", 1995

SEISMIC DATA:

Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.12
Site Coefficient (S) = 1.0

DESIGN STRESSES:

New Construction:
Reinforced concrete: $f'_c = 3,500$ psi
Reinforcement bars: $f_y = 60,000$ psi
Structural steel: $f_y = 70,000$ psi (M270, Grade 70W) Web Reinforcement Plate $f_y = 50,000$ psi (M270, Grade 50) All other locations

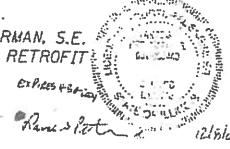
Existing Structure:

Reinforced concrete: $f_c = 1,400$ psi $n = 10$
Structural Steel: $f_s = 20,000$ psi

APPROVAL
FOR STRUCTURAL ADEQUACY...

Ralph E. Anderson
ENGINEER OF BRIDGES

LANCE PETERMAN, S.E.
REDUNDANCY RETROFIT



JOHN E. FINKE, S.E.
STRUCTURAL/SEISMIC RETROFIT

DESIGNED	M. Capron
CHECKED	A. Amidi
DRAWN	M. King
CHECKED	D. James

PREPARED BY:
JACOBS CIVIL INC.
ST. LOUIS, MO

EXPIRES 11-30-20 04
John Finke
12/04/03

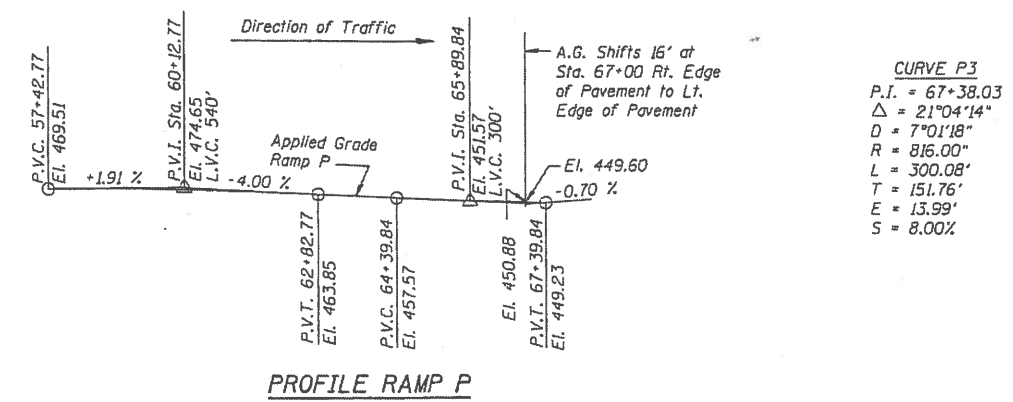
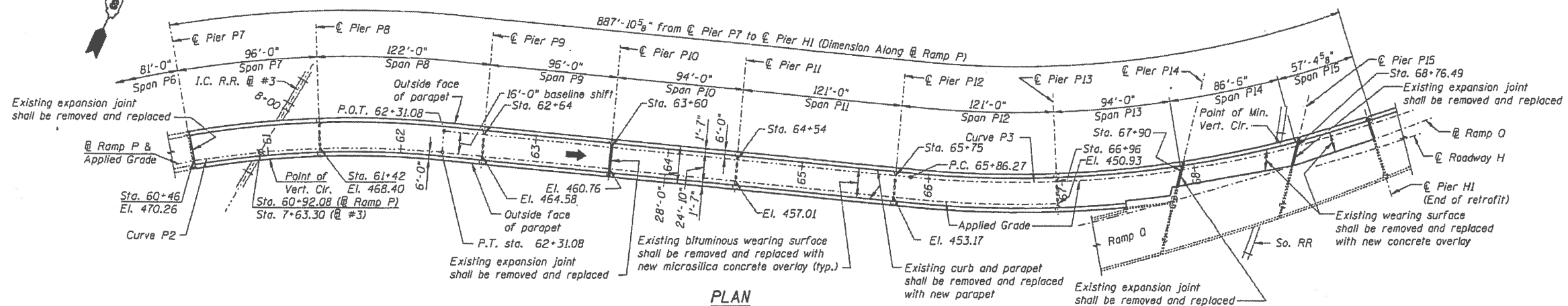
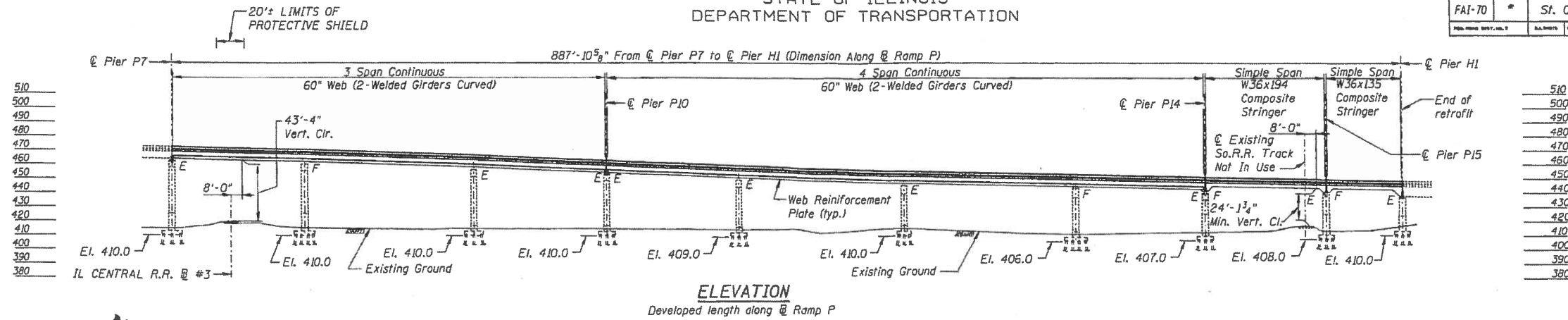
FOR INFORMATION ONLY

REHABILITATION FOR FAI 55/70 COMPLEX
RAMP P - STRUCTURE NO. 082-0203
GENERAL PLAN AND ELEVATION
SPANS P1 THRU P6
STA. 54+72.04 THRU 60+46 (FAI-70) ST. CLAIR CO.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-70		St. Clair	368	240
				51 SHEETS

*(82-3HVB-2R-1)-2



NOTE
Work this sheet with sheet 1.

DESIGNED	M. Capran
CHECKED	A. Amidi
DRAWN	M. King
CHECKED	D. James

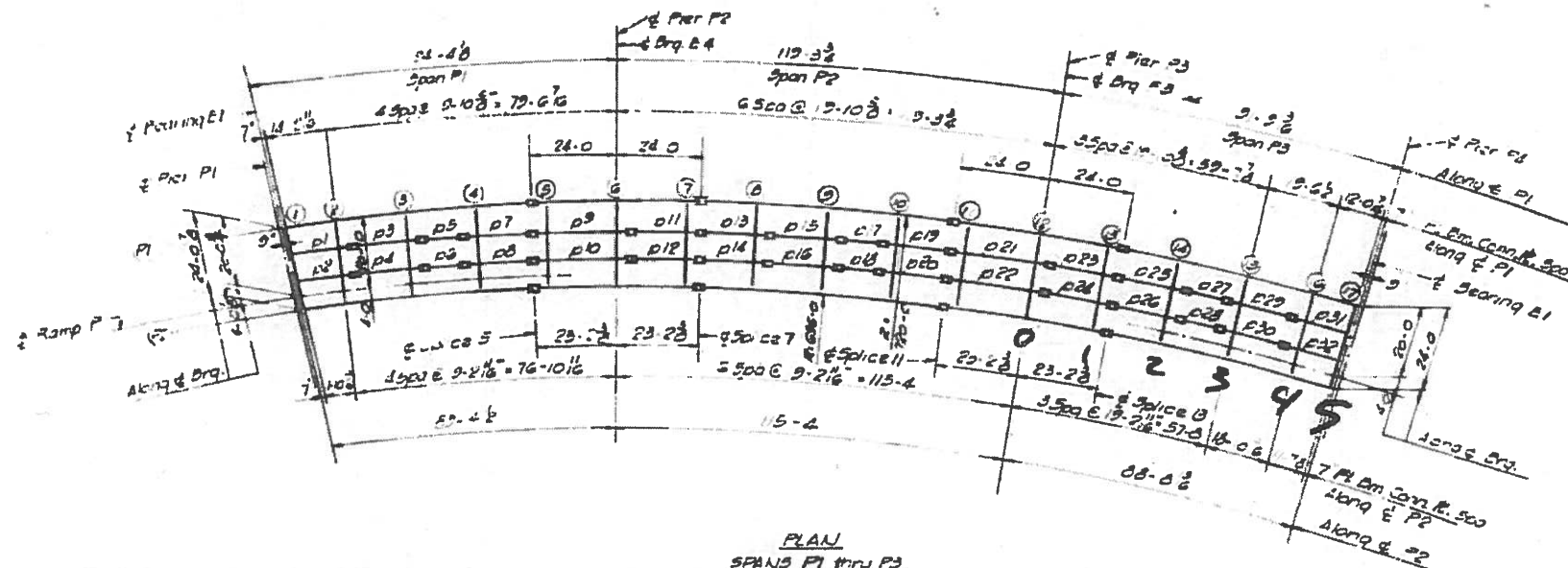
PREPARED BY:
JACOBS CIVIL INC.
ST. LOUIS, MO

REHABILITATION FOR FAI 55/70 COMPLEX
RAMP P - STRUCTURE NO. 082-0203
GENERAL PLAN AND ELEVATION
SPANS P7 THRU P15
STA. 60+46 THRU 68+76.49 (FAI-70) ST. CLAIR CO.

FOR INFORMATION ONLY

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0203 EXISTING STRUCTURE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\IL084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 8\Projects\082-0203\082-0203\GA\Sheets\0827615-1\17-sh.dwg	mliciam	-	-				82-3HVB-2-P	ST. CLAIR	24	16
PLOT SCALE = 1/8" = 1'-0"		CHECKED	REVISED				FAI 70 / FAP 312			CONTRACT NO. 76G15
MODEL NAME	PLOT DATE = 5/3/2016	DATE	REVISED		SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____					ILLINOIS FED. AID PROJECT

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-70	82-3HVB-2	ST. CLAIR	252	198
FED. ROAD DIV. NO. 2		ILLINOIS	PROJECT	



PLAN
SPANS P1 THRU P3

* ELEVATION TOP OF BRIDGE DECK
* Lower elevation: 642 ft

	BR. P1	BR. P2	DIFF.
CL. BR.	464,582	463,540	1,042
FLOOR BEAM 1	464,604	463,524	1,080
FLOOR BEAM 2	465,041	463,363	1,678
FLOOR BEAM 3	465,850	463,740	2,110
FLOOR BEAM 4	466,016	464,113	1,903
SPLICE 5	466,253	464,428	1,825
FLOOR BEAM 6	466,389	464,480	1,909
FLOOR BEAM 7	467,138	464,210	2,928
SPLICE 7	467,212	464,212	0
FLOOR BEAM 8	467,394	463,824	3,570
FLOOR BEAM 9	467,473	464,283	1,190
FLOOR BEAM 10	468,041	464,321	3,720
SPLICE 11	468,259	464,513	3,746
FLOOR BEAM 11	468,259	464,480	3,779
FLOOR BEAM 12	468,770	467,480	1,290
FLOOR BEAM 13	468,840	467,480	1,360
SPLICE 13	468,882	467,482	1,400
FLOOR BEAM 14	468,748	467,700	1,048
FLOOR BEAM 15	470,204	468,544	1,660
FLOOR BEAM 16	470,418	468,480	1,938
FLOOR BEAM 17	470,482	468,711	1,771
CL. BR.	470,428	468,788	1,640

DESIGNED BY: AT
DRAWN BY: BT
CHECKED BY: SAB

~ 315,300
~~6970~~
~~308,330~~

Note:
Dimensions locating Floor Beams are given to the Floor Beam Conn. Plate see Sketch Sheet No.52

BILL OF MATERIAL		
*Structural Steel	LS	Lump Sum

Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel Wt. 6970 Lbs

? ~ 315,300

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS

FRAMING PLAN
SPANS P1 THRU P3
POPLAR STREET BRIDGE APPROACHES
RAMP "P"

FAI 70-70 ST. CLAIR CO. SECTION 82-3HVB-2

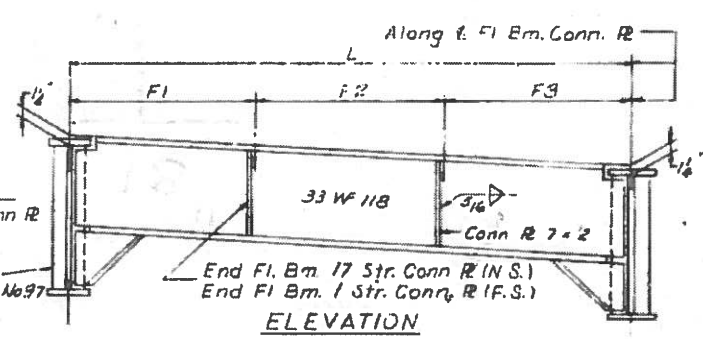
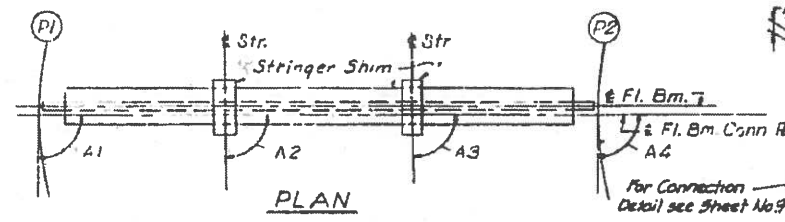
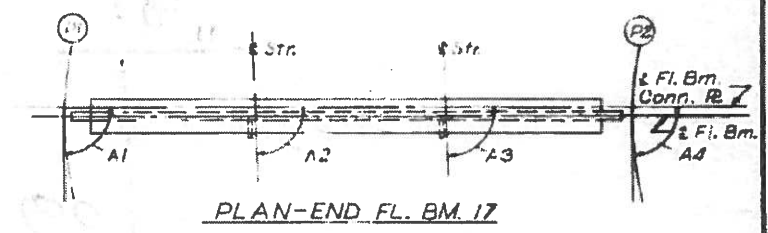
H. W. LOCKNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

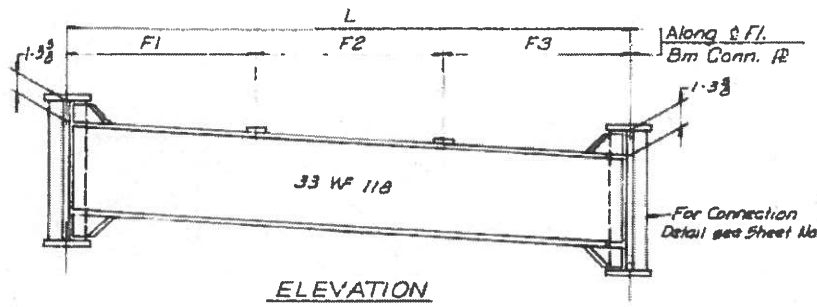
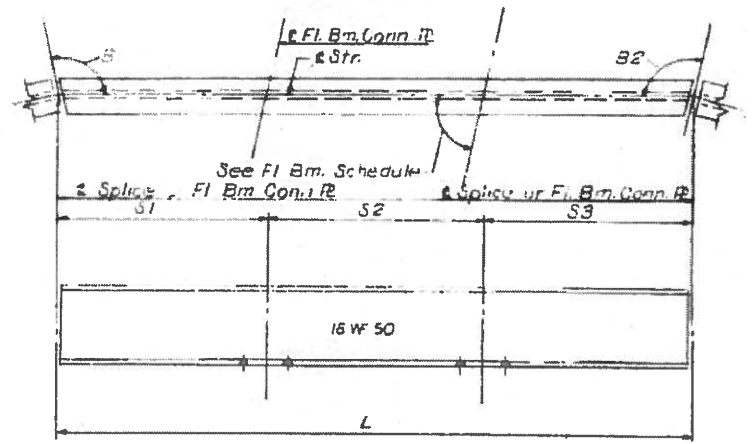
SPN	L	S1	S2	S3	B1	B2
1	17'-6 3/16"	13'-5 3/8"	O	4'-0 13/16"	90.46.11"	90.46.24"
2	16'-8 3/8"	12'-8 1/8"	O	4'-0 1/4"	90.46.41"	90.46.53"
3	19'-7 15/16"	15'-7 1/8"	O	4'-0 13/16"	90.47.26"	90.47.26"
4	19'-8 5/16"	15'-8 1/16"	O	4'-0 1/4"	90.47.26"	90.47.26"
5	11'-6 5/16"	O	O	O	90.47.26"	90.47.26"
6	11'-4 3/4"	O	O	O	90.47.26"	90.47.26"
7	19'-8	4'-13/16"	O	15'-7 1/8"	90.47.26"	90.47.26"
8	19'-5 5/16"	4'-1/4"	O	15'-5 1/16"	90.47.26"	90.47.26"
9	27'-8 5/8"	4'-13/16"	19'-7 15/16"	4'-13/16"	91.07.07"	91.07.07"
10	27'-5 7/8"	4'-1/4"	19'-5 5/16"	4'-1/4"	91.07.07"	91.07.07"
11	19'-8	15'-7 1/8"	O	4'-13/16"	90.47.26"	90.47.26"
12	19'-5 5/16"	15'-3 1/16"	O	4'-1/4"	90.47.26"	90.47.26"
13	19'-8	15'-7 1/8"	O	4'-13/16"	90.47.26"	90.47.26"
14	19'-5 5/16"	15'-3 1/16"	O	4'-1/4"	90.47.26"	90.47.26"
15	19'-8	15'-7 1/8"	O	4'-13/16"	90.47.26"	90.47.26"
16	19'-5 5/16"	15'-3 1/16"	O	4'-1/4"	90.47.26"	90.47.26"
17	11'-6 5/16"	O	O	O	90.47.26"	90.47.26"
18	11'-4 3/4"	O	O	O	90.47.26"	90.47.26"
19	19'-8	4'-13/16"	O	15'-7 1/8"	90.47.26"	90.47.26"
20	19'-5 5/16"	4'-1/4"	O	15'-5 1/16"	90.47.26"	90.47.26"
21	27'-8 5/8"	4'-13/16"	19'-7 15/16"	4'-13/16"	91.07.07"	91.07.07"
22	27'-5 7/8"	4'-1/4"	19'-5 5/16"	4'-1/4"	91.07.07"	91.07.07"
23	19'-8	15'-7 1/8"	O	4'-13/16"	90.47.26"	90.47.26"
24	19'-5 5/16"	15'-3 1/16"	O	4'-1/4"	90.47.26"	90.47.26"
25	19'-8	15'-7 1/8"	O	4'-13/16"	90.47.26"	90.47.26"
26	19'-5 5/16"	15'-3 1/16"	O	4'-1/4"	90.47.26"	90.47.26"
27	11'-6 5/16"	O	O	O	90.47.26"	90.47.26"
28	11'-4 3/4"	O	O	O	90.47.26"	90.47.26"
29	19'-8 3/8"	4'-13/16"	O	15'-3 1/16"	90.46.39"	90.46.39"
30	19'-1 5/16"	4'-1/4"	O	15'-1	90.46.39"	90.46.39"
31	15'-11 1/2"	4'-13/16"	O	11'-10 11/16"	90.38.29"	90.46.39"
32	15'-9 3/16"	4'-1/4"	O	11'-8 7/8"	90.38.29"	90.46.00"

FL. BM.	L	F1	F2	F3	A1	A2	A3	A4
1	24'-0 7/8"	8'-0 5/16"	8'-0 5/16"	8'-0 5/16"	90.24.00"	90.24.11"	90.24.00"	90.24.00"
2	24	8 7/16	8	7 11 9/16	90.24.00	90.24.15	90.24.45	90.24.00
3	24	8 9/16	8	7 11 1/2	90.24.00	90.24.10	90.24.10	90.24.00
4	24	8 9/16	8	7 11 1/2	90.24.00	90.27.20	90.27.20	90.24.00
5	24	8 13/16	8	7 11 3/16	90.24.00	90.47.20	90.47.20	90.24.00
6	24	8 13/16	8	7 11 3/16	90.24.00	90.12.30	90.12.30	90.24.00
7	24	8 9/16	8	7 11 1/2	90.24.00	90.24.10	90.24.10	90.24.00
8	24	8 9/16	8	7 11 1/2	90.24.00	90.24.10	90.24.10	90.24.00
9	24	8 9/16	8	7 11 1/2	90.24.00	90.24.10	90.24.10	90.24.00
10	24	8 9/16	8	7 11 1/2	90.24.00	90.27.20	90.27.20	90.24.00
11	24	8 13/16	8	7 11 3/16	90.24.00	90.47.20	90.47.20	90.24.00
12	24	8 13/16	8	7 11 3/16	90.24.00	90.12.30	90.12.30	90.24.00
13	24	8 9/16	8	7 11 1/2	90.24.00	90.24.10	90.24.10	90.24.00
14	24	8 9/16	8	7 11 1/2	90.24.00	90.24.10	90.24.10	90.24.00
15	24	8 1/2	8	7 11 1/2	90.24.00	90.27.01	90.27.01	90.24.00
16	24	8 7/16	8	7 11 5/8	90.24.00	90.18.51	90.18.51	90.24.00
17	24	8	8	8	90.53.30	90.15.02	90.15.02	90.53.25

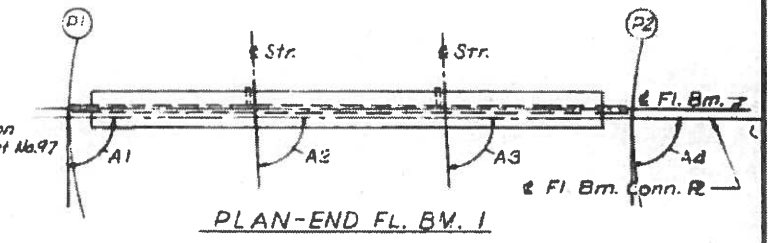
ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI - 70	82-SHVB-2	ST. CLAIR	252	159
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		



END FLOOR BEAM 1 AND 17



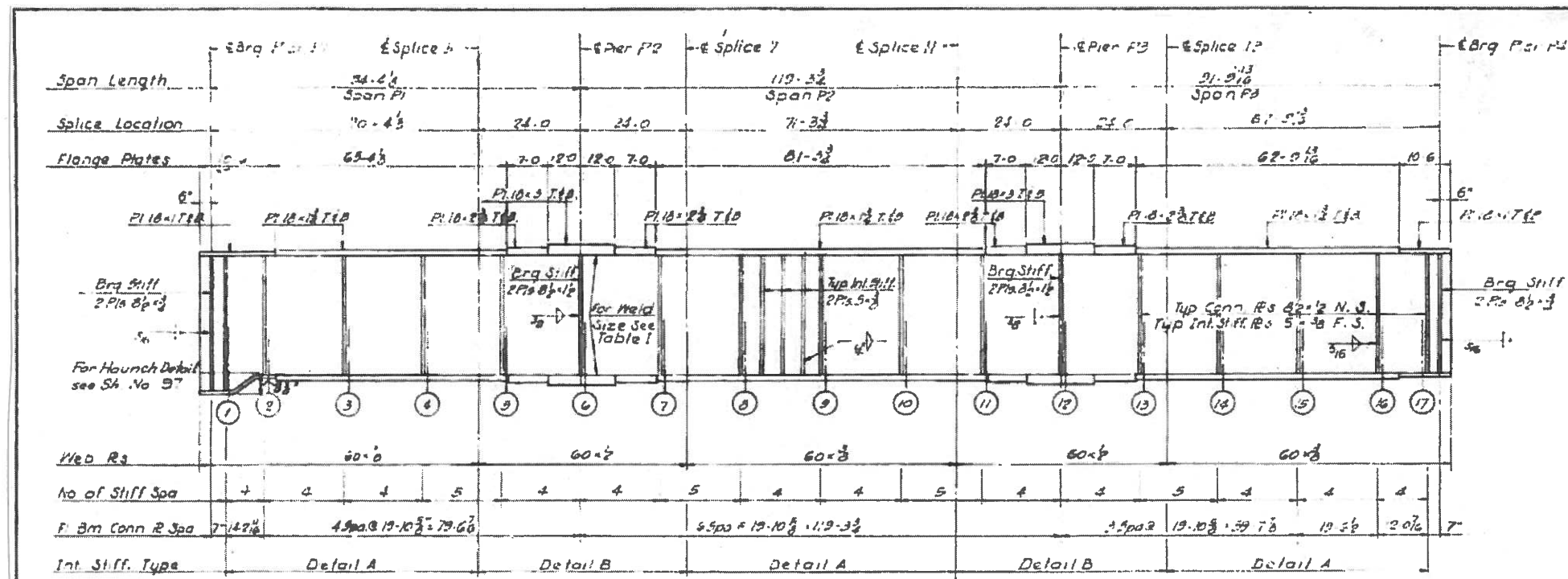
INTERIOR FLOOR BEAM 2 THRU 16



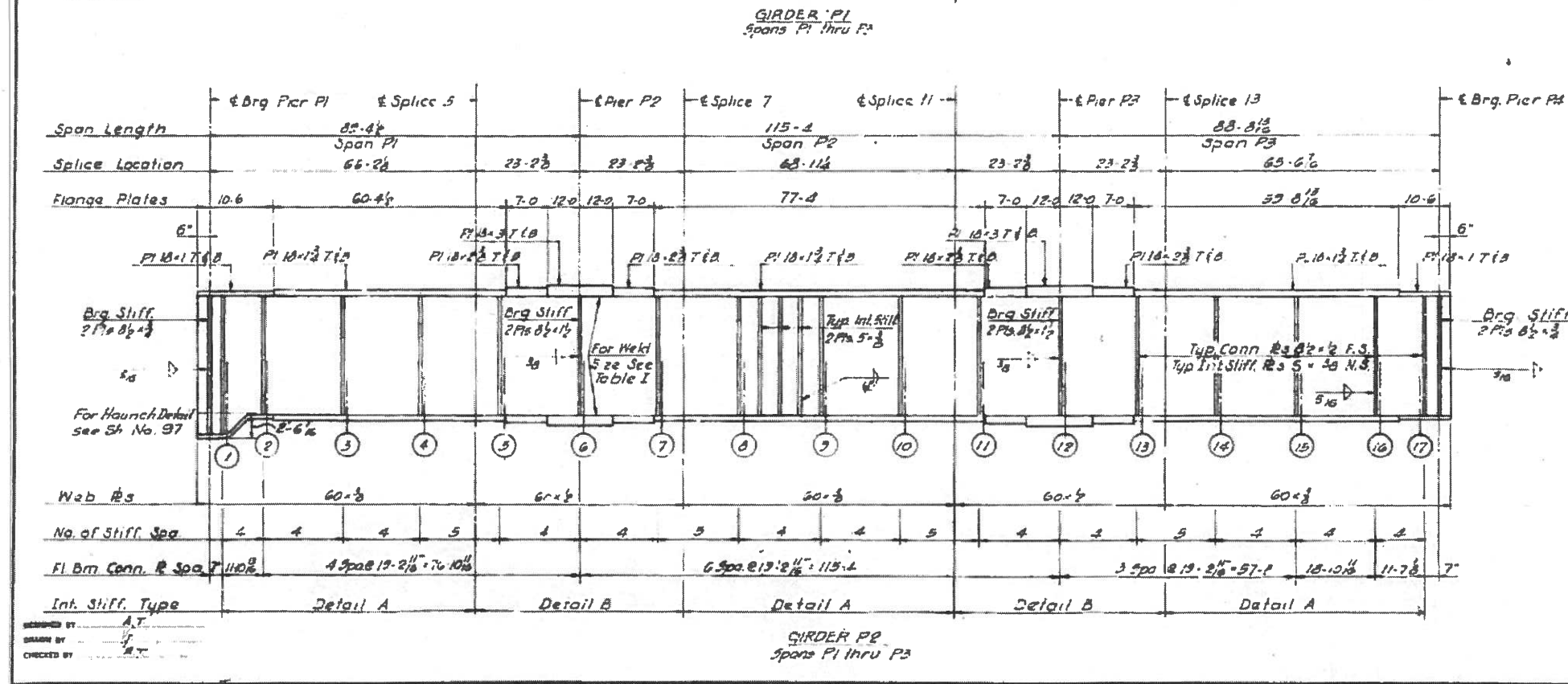
Notes:
 Length L of Stringers and Fl. Bms. is correct as given in the table except the increment lengths are given to the nearest 1/8".
 All dimensions are in the horizontal plane.
 For Connection Plate Detail see Sheet No. 97

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDGS.
 DIVISION OF HIGHWAYS
 STRINGER AND FLOOR BEAM
 SCHEDULE
 SPANS P1 THRU P3
 POPLAR STREET BRIDGE APPROACHES
 RAMP "P"
 F.A.I. RT 70 ST. CLAIR CO. SECTION 82-SHVB-2
 H. W. LOCKNER, INC.
 ENGINEERS
 CHICAGO, ILLINOIS

FOR INFORMATION ONLY



ROUTE NO	SECTION	COUNTY
F.A.I. 70	82-3HV8-2	ST. CLAIR
FEB ROAD DIV NO 4		ILLINOIS



NOTES:
 All longitudinal dimensions shown are given along & of Web size Sheet No. 97
 All Bearing Stiffeners and Connection Plates to be vertical.
 For Splice Stiffener, Connection Plate Details and Table I see Sheet No. 97

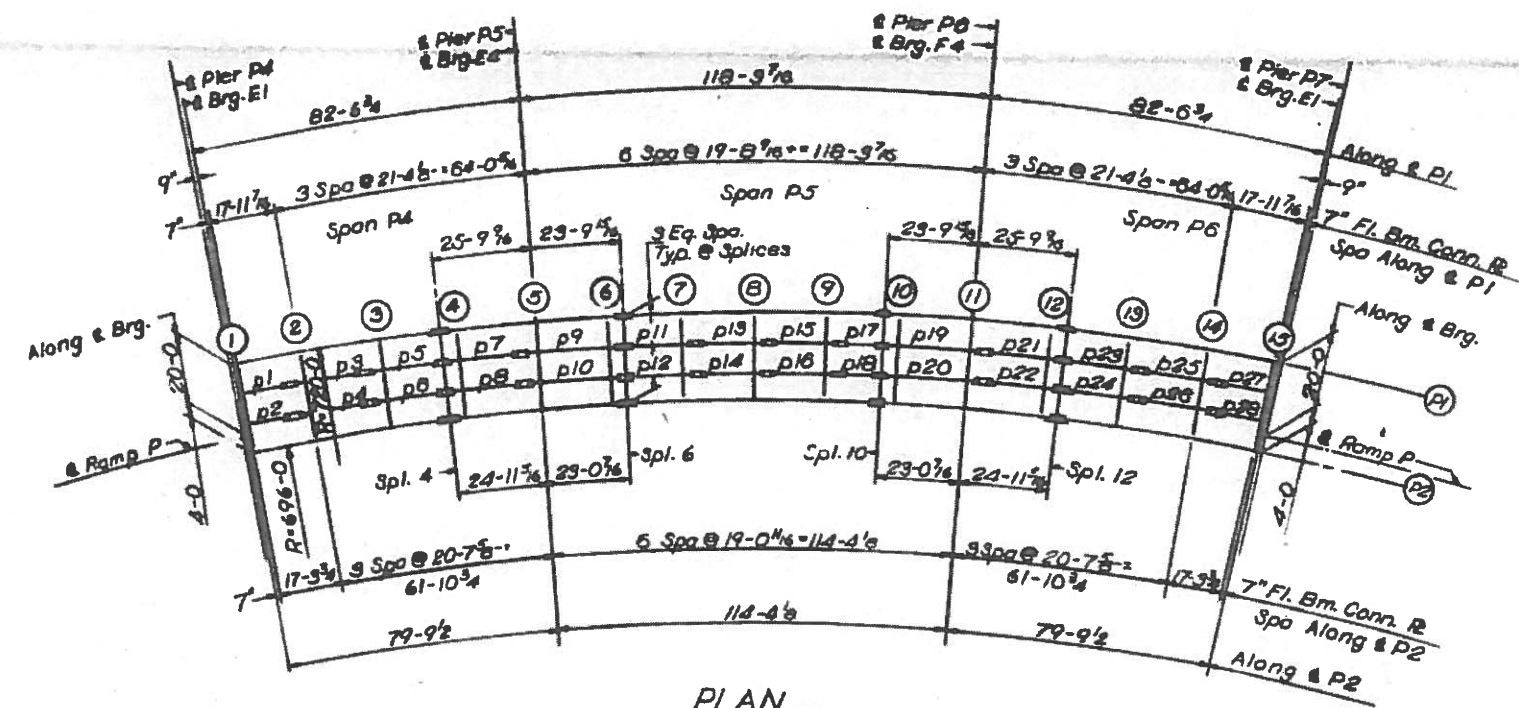
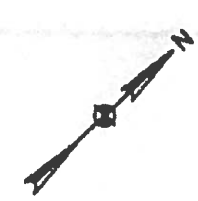
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDGS.
 DIVISION OF HIGHWAYS

GIRDERS P1 AND P2
 SPANS P1 THRU P3
 POPLAR STREET BRIDGE APPROACHES
 RAMP "P"

F.A.I. 70 ST. CLAIR CO. SECTION 82-3HV8-2
 H. W. LOCKNER, INC.
 ENGINEERS
 CHICAGO, ILLINOIS

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
P.A.I.-70	82-3HV2-P	ST. CLAIR	177	178
POB. 6040 DIV. NO. 4		ILLINOIS	FOUNDED	



PLAN
SPANS P4 THRU P6

ELEVATION TOP OF GROSS W.C.

	SR. P1	SR. P2	DWT.
CL. BEAM	470.807	468.717	1,780
FLOOR BEAM 1	470.674	468.738	1,949
FLOOR BEAM 2	470.588	468.808	1,921
FLOOR BEAM 3	471.174	468.234	1,920
SPLICE 4	471.388	468.488	1,920
FLOOR BEAM 5	471.481	468.381	1,920
FLOOR BEAM 6	471.575	467.738	1,920
FLOOR BEAM 7	471.717	468.787	1,920
SPLICE 8	471.747	468.827	1,920
FLOOR BEAM 9	471.783	468.883	1,920
FLOOR BEAM 10	471.888	468.888	1,920
SPLICE 10	471.818	468.818	1,920
FLOOR BEAM 11	471.787	468.877	1,920
FLOOR BEAM 12	471.884	468.774	1,920
FLOOR BEAM 13	471.883	468.883	1,920
SPLICE 12	471.880	468.840	1,920
FLOOR BEAM 14	471.478	468.438	1,920
FLOOR BEAM 15	471.151	468.231	1,920
FLOOR BEAM 16	470.928	468.038	1,920
CL. BEAM	470.822	468.022	1,920

315,300
~~10,960~~
~~308,340~~

Note:
Dimensions locating Floor Beams
are given to the Floor Beam Conn
Plate. See sketch Sheet No. 183

BILL OF MATERIAL	
#Structural Steel	Lbs. 315,300

*Weight of Bearing Assemblies with
Lead Plates and Anchor Bolts are
Included as Structural Steel
Est. Wt. 6960 Lbs.

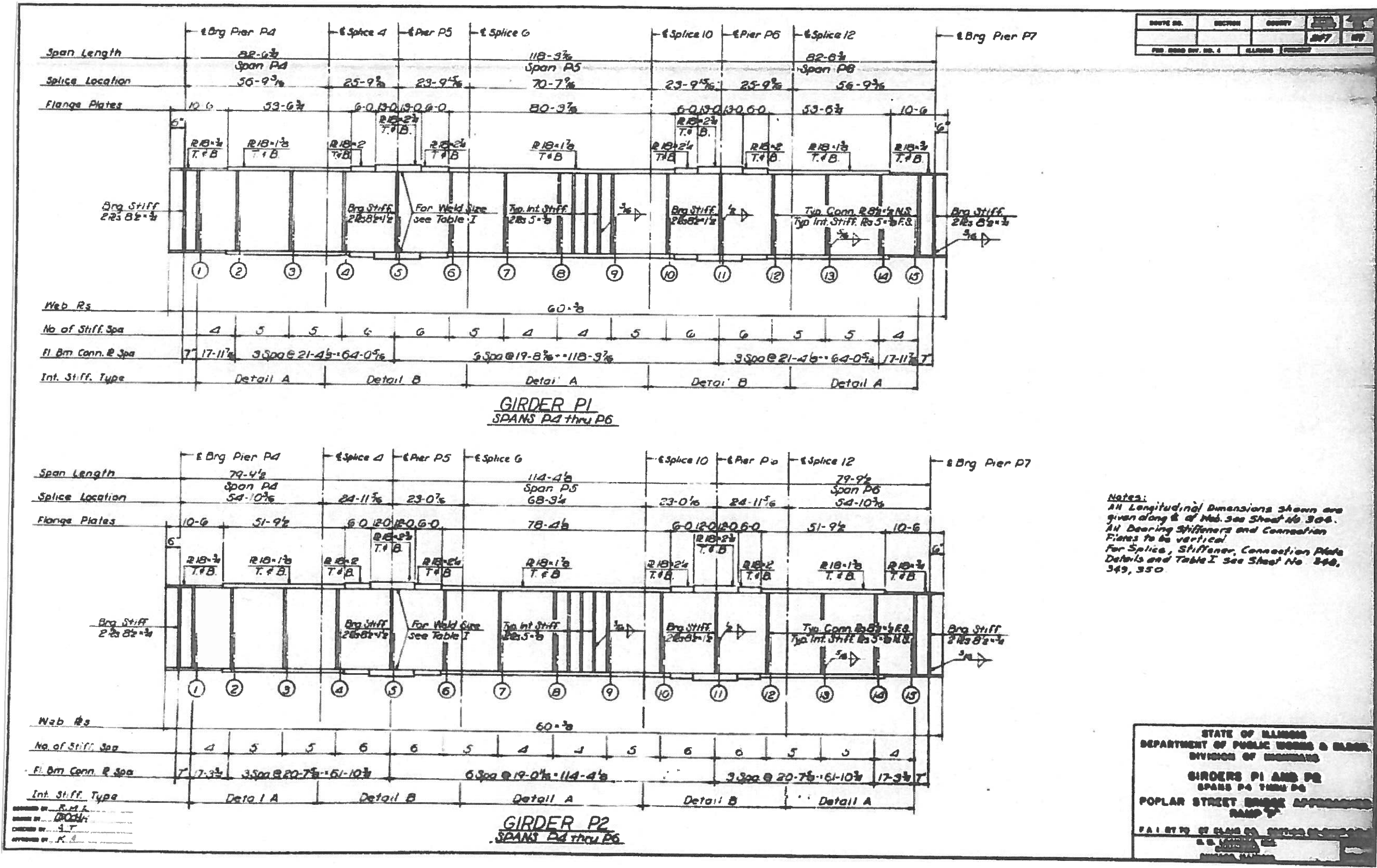
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS P4 THRU P6
POPLAR STREET BRIDGE APPROACHES
RAMP "P"

P.A.I. RT.70 ST. CLAIR CO. SECTION 82-3HV2-P

H. W. LOCKNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

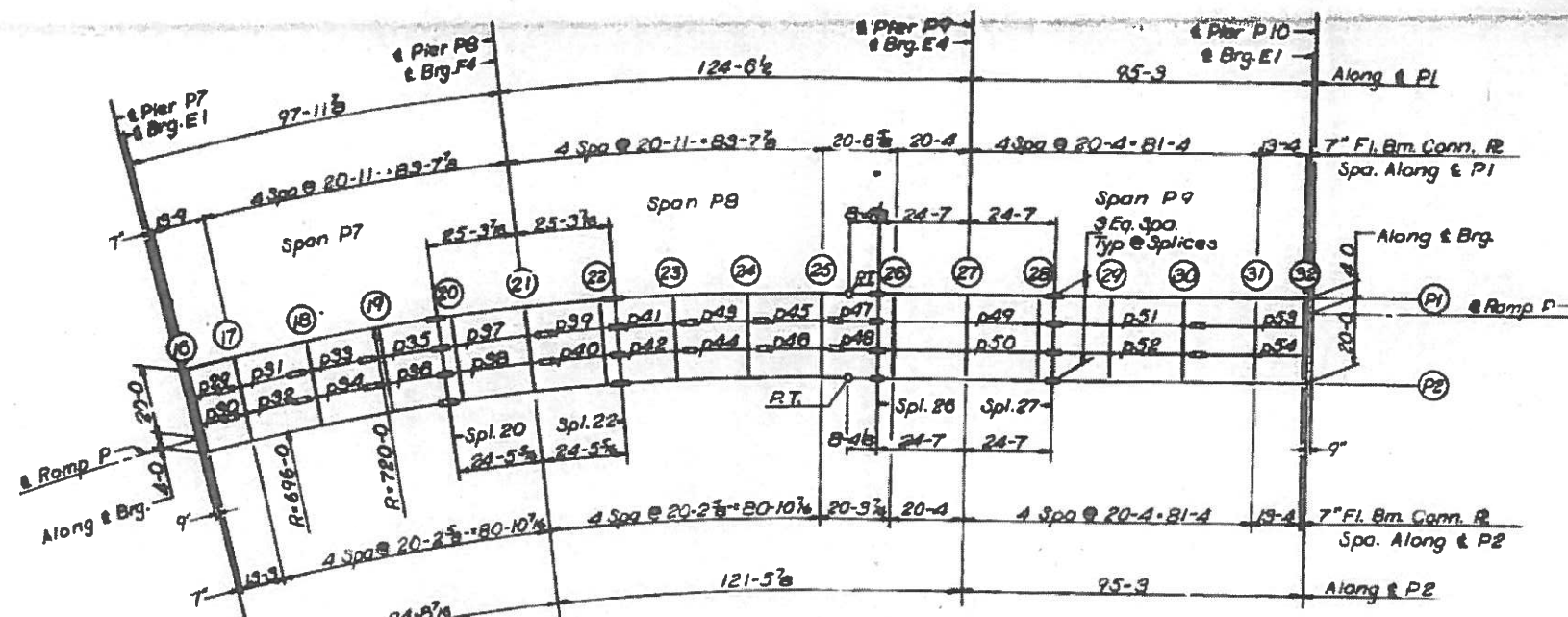
DESIGNED BY: R.M.P.
CHECKED BY: DCH
APPROVED BY: A.T.
DATE: 5/3/2016

FOR INFORMATION ONLY



FOR INFORMATION ONLY

ROUTE NO.	DISTRICT	COUNTY
F.A.I.-78	ST. CLAIR	ST. CLAIR
P.O. ROAD DIST. NO. 4		



PLAN
SPANS P7 THRU P9

ELEVATION TOP OF GIRDERS (E3)

	SR. P1	SR. P2	DIFT.
CL. BRG.	470,531	468,011	1,780
FLOOR BEAM 16	470,681	468,001	1,780
FLOOR BEAM 17	470,680	468,780	1,780
FLOOR BEAM 18	470,312	468,383	1,780
FLOOR BEAM 19	469,348	468,028	1,780
SPLICE 20	469,825	467,725	1,780
FLOOR BEAM 20	469,551	467,831	1,780
FLOOR BEAM 21	469,021	467,121	1,779
FLOOR BEAM 22	468,530	466,830	1,780
SPLICE 22	468,448	466,388	1,780
FLOOR BEAM 23	467,818	466,008	1,783
FLOOR BEAM 24	467,090	466,108	1,784
FLOOR BEAM 25	466,389	464,843	1,788
SPLICE 26	465,584	464,384	1,280
FLOOR BEAM 26	465,287	464,208	1,188
FLOOR BEAM 27	464,538	463,482	1,042
FLOOR BEAM 28	463,811	462,715	988
SPLICE 27	463,484	462,389	985
FLOOR BEAM 29	462,884	461,833	749
FLOOR BEAM 30	461,749	461,148	602
FLOOR BEAM 31	460,814	460,287	458
FLOOR BEAM 32	460,300	459,840	380
CL. BRG.	460,178	459,817	358

DESIGNED BY R.M.P.
 DRAWN BY D.G.H.
 CHECKED BY J.T.
 APPROVED BY J.J.

375,830
~~1,916,000~~
~~568,078~~

Notes:
 Dimensions locating Floor Beams are given to the Floor Beam Conn. Plate.
 See sketch Sheet No. 183.

BILL OF MATERIAL	
*Structural Steel	Lbs. 375,830

*Weight of Bearing Assemblies with Load Plates and Anchor Bolts are Included as Structural Steel
 Est. Wt. 6960

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & CONSTRUCTION
 DIVISION OF HIGHWAYS
FRAMING PLAN
 SPANS P7 THRU P9
 POPLAR STREET BRIDGE APPROACHES
 RAMP P9

F.A.I. RT. 78 ST. CLAIR CO. EXISTING STRUCTURE
 R. W. LOCKER, INC.
 CHICAGO, ILLINOIS

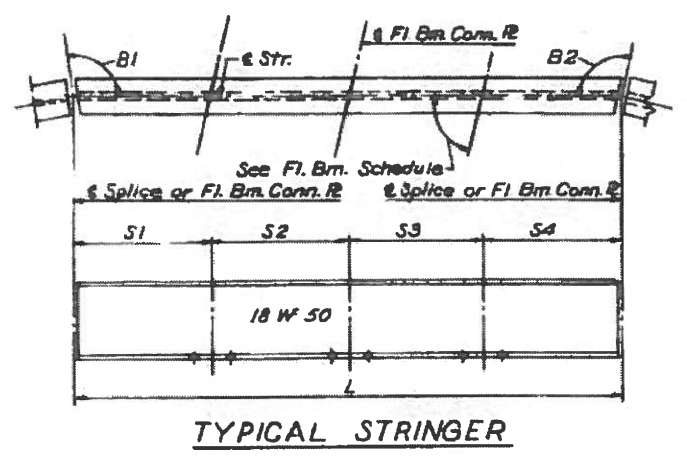
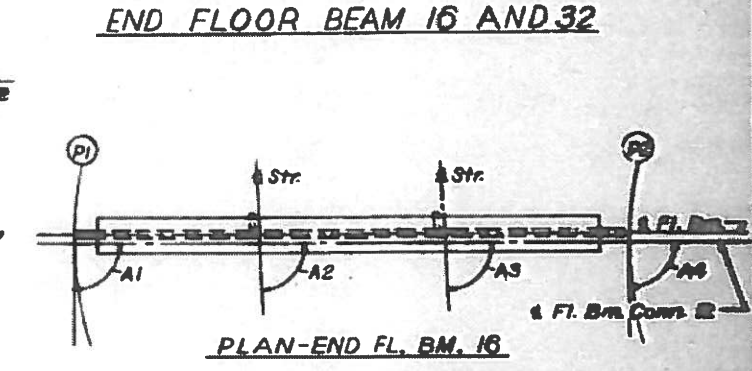
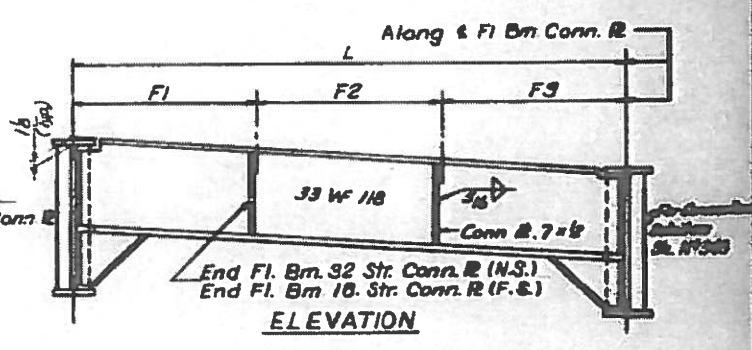
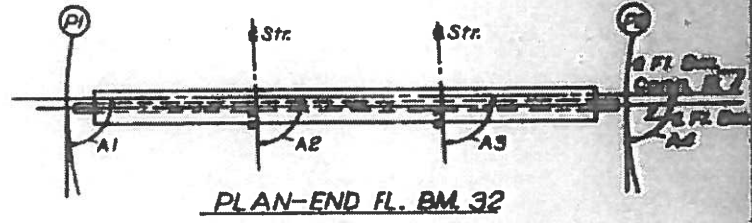
FOR INFORMATION ONLY

FILE NAME *	USER NAME * mlcoamr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0203 EXISTING STRUCTURE DETAILS	F.A.*	SECTION	COUNTY	TOTAL	SHEET
pw\ill84E8IDINTEG.illinois.gov\PI00T\Docu	Documents\DOT Offices\District 8\Projects\087	CHECKED -	REVISED -			RT. 78	82-3HVB-2-P	ST. CLAIR	24	20
MODELNAME*	PLOT SCALE = 1/8" = 1'-0"	DATE -	REVISI	SCALE:	SHEET OF SHEETS	ST. CLAIR	TO STA.	CONTRACT NO. 76G15	ILLINOIS FED. AID PROJECT	

DATE	ISSUED	BY
F.A.I. - 70	82-3HVB-2-P	ST. CLAIR

FL. BM.	L	F1	F2	F3	F4	F5	F6
29	9'-3 1/8"	0	0	0	0	0	0
30	8' 1 1/8"	0	0	0	0	0	0
31	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
32	8' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
33	8' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
34	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
35	8' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
36	8' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
37	29' 3' 1/8"	4' 2' 1/8"	20' 0' 1/8"	4' 2' 1/8"	0	0	0
38	20' 0' 2/8"	4' 2' 1/8"	20' 0' 1/8"	4' 2' 1/8"	0	0	0
39	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
40	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
41	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
42	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
43	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
44	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
45	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
46	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
47	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
48	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
49	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
50	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
51	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
52	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
53	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0
54	20' 0' 2/8"	4' 2' 1/8"	0	0	0	0	0

FL. BM.	L	F1	F2	F3	F4	F5	F6
16	11'-0"	0	0	0	0	0	0
17	11'-0"	0	0	0	0	0	0
18	11'-0"	0	0	0	0	0	0
19	11'-0"	0	0	0	0	0	0
20	11'-0"	0	0	0	0	0	0
21	11'-0"	0	0	0	0	0	0
22	11'-0"	0	0	0	0	0	0
23	11'-0"	0	0	0	0	0	0
24	11'-0"	0	0	0	0	0	0
25	11'-0"	0	0	0	0	0	0
26	11'-0"	0	0	0	0	0	0
27	11'-0"	0	0	0	0	0	0
28	11'-0"	0	0	0	0	0	0
29	11'-0"	0	0	0	0	0	0
30	11'-0"	0	0	0	0	0	0
31	11'-0"	0	0	0	0	0	0
32	11'-0"	0	0	0	0	0	0



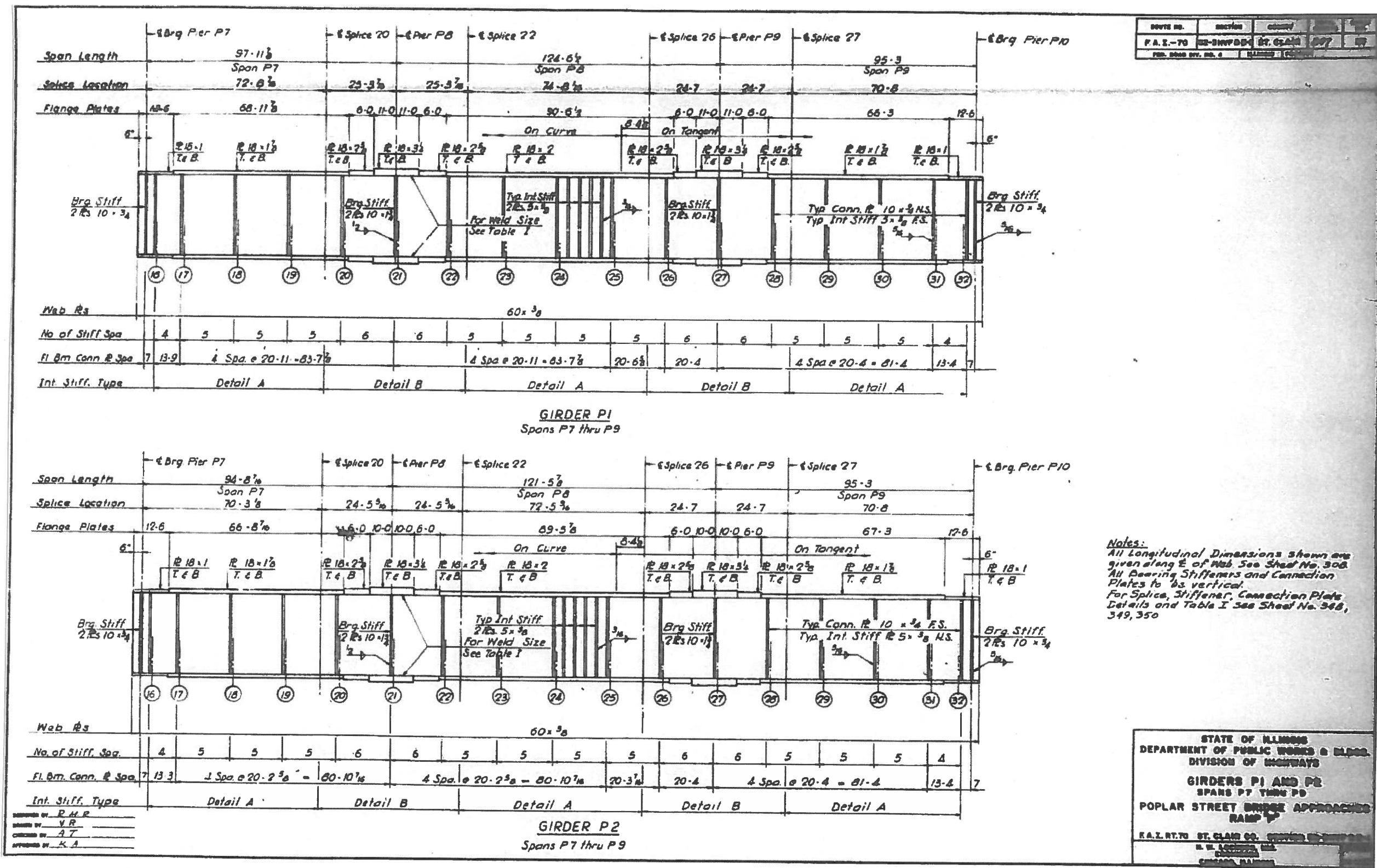
Note:
Length L of Stringers and Fl. Bms. is correct as given in the table except the increment lengths are given to the nearest '8". All dimensions are in the horizontal plane.
For Connection Plate Detail see Sh. No 348

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDG.
DIVISION OF HIGHWAYS
STRINGER AND FLOOR BEAM
SCHEDULE
SPANS 17 THRU 20
POPLAR STREET BRIDGE APPROACHES
RAMP #2
F.A.I. 70 / ST. CLAIR CO.
R. W. LINDEN, INC.
CHICAGO, ILLINOIS

DESIGNED BY R.M.R.
DRAWN BY D.G.H.
CHECKED BY A.T.
APPROVED BY K.A.

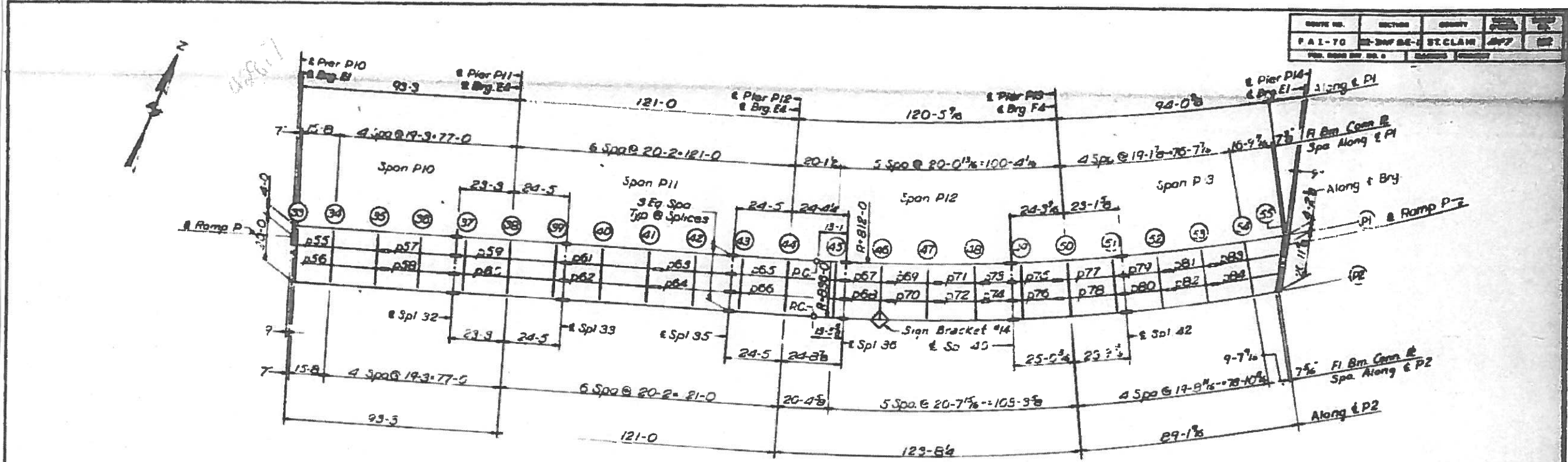
FOR INFORMATION ONLY

FILE NAME: \\IL084EBID\INTEG.Illinois.gov\PI\DOT\Documents\DOT Offices\District 8\Projects\087200\087200\82-3HVB-2-P\Drawings\60\Details\087200-11x17-shd.dwg	USER NAME: mslocamr	DESIGNED: -	REVISION: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-020 EXISTING STRUCTURE DETAILS	F.A. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
MODELNAME:	PLOT SCALE: 100.0000 "/in.	CHECKED: -	REVISION: -		SCALE: _____ SHEET _____ OF _____ SHEETS		82-3HVB-2-P	ST. CLAIR	24	20A
	PLOT DATE: 5/3/2016	DATE: -	REVISION: -		STA. _____ TO STA. _____		FAI 70 / FAP 312			CONTRACT NO. 76G15



FOR INFORMATION ONLY

FILE NAME * p:\1\884EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 8\Projects\876\884EBID\884EBID.dwg	USER NAME * mlawm	DESIGNED - REVISOR -	REVISOR - CHECKED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0203 EXISTING STRUCTURE DETAILS	F.A. RTE. SECTION COUNTY	TOTAL SHEETS SHEET NO.
MODEL NAME *	PLOT SCALE * 100.0000 / 1 in.	CHECKED - DATE	REVISOR - REVISOR -	SCALE: _____ SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	ST. CLAIR	24 21
PLOT DATE * 5/3/2016	DATE	DATE	DATE	ILLINOIS	TO STA.	CONTRACT NO. 76G15	(ILLINOIS) FED. AID PROJECT



PLAN
SPANS P10 THRU P13

ELEVATION TOP OF BRIDGE DECK

CL. BEAM	REL. P1	REL. P2	DIFF.	CL. BEAM	REL. P1	REL. P2	DIFF.
FLOOR BEAM 33	428.781	428.750	.304	FLOOR BEAM 45	428.828	428.807	1.378
FLOOR BEAM 34	428.828	428.757	.340	SPLICE 38	428.828	428.788	1.411
FLOOR BEAM 35	428.875	428.783	.288	FLOOR BEAM 46	428.875	428.835	1.523
FLOOR BEAM 36	428.922	428.793	.289	FLOOR BEAM 47	428.922	428.879	1.603
FLOOR BEAM 37	428.969	428.820	.349	FLOOR BEAM 48	428.969	428.929	1.697
SPLICE 38	428.828	428.843	.128	SPLICE 40	428.728	428.828	1.709
FLOOR BEAM 39	428.797	428.849	.788	FLOOR BEAM 49	428.880	428.888	1.704
FLOOR BEAM 40	428.888	428.881	.325	FLOOR BEAM 50	428.843	428.823	1.788
FLOOR BEAM 41	428.935	428.828	.472	FLOOR BEAM 51	428.823	428.828	1.789
SPLICE 39	428.728	428.878	.389	SPLICE 42	428.788	428.888	1.829
FLOOR BEAM 42	428.728	428.828	1.027	FLOOR BEAM 52	428.881	428.873	1.919
FLOOR BEAM 43	428.775	428.782	.763	FLOOR BEAM 53	428.788	428.820	1.981
FLOOR BEAM 44	428.822	428.758	.307	FLOOR BEAM 54	428.788	428.807	1.999
SPLICE 40	428.843	428.887	1.089	FLOOR BEAM 55	428.843	428.878	1.973
FLOOR BEAM 45	428.781	428.827	1.087	CL. BEAM	428.811	428.823	1.392
FLOOR BEAM 46	428.828	428.878	1.222				

Note:
Dimensions locating Floor Beams are given to the Floor Beam Conn Plate.
See Sketch Sheet No. 183
For Sign Bracket Detail see Sh No. 360

BILL OF MATERIAL	
*Structural Steel	Lbs. 474,890

*Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel Est. Wt. 9620

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDG.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS P10 THRU P13
POPLAR STREET BRIDGE APPROACHES RAMP

FAI 70 ST CLAIR CO. SECTION 82-3HV8-2-P

B. E. LOCKWOOD, INC.
ENGINEERS
CHICAGO, ILLINOIS

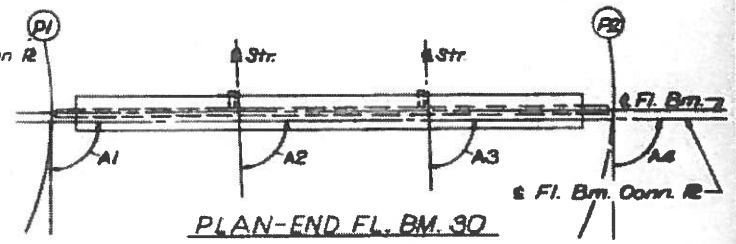
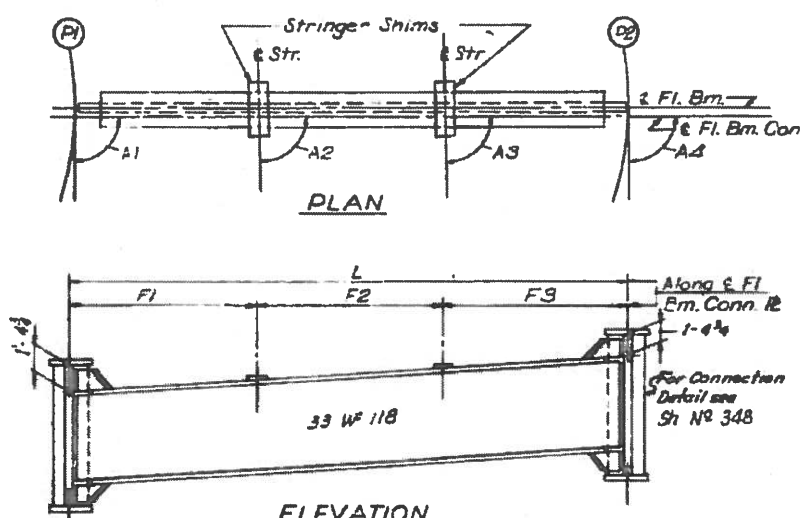
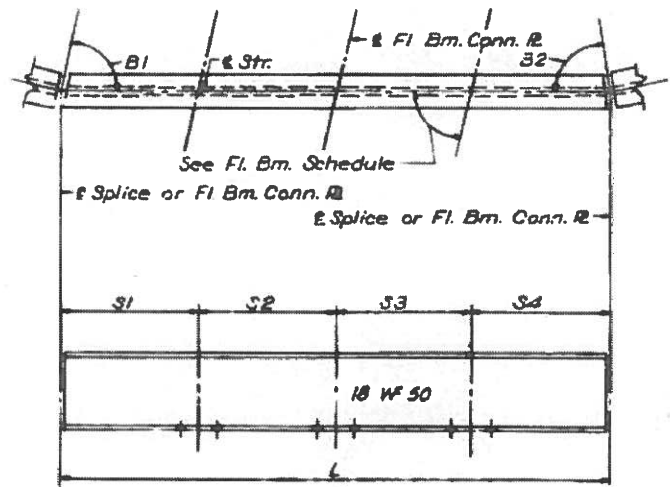
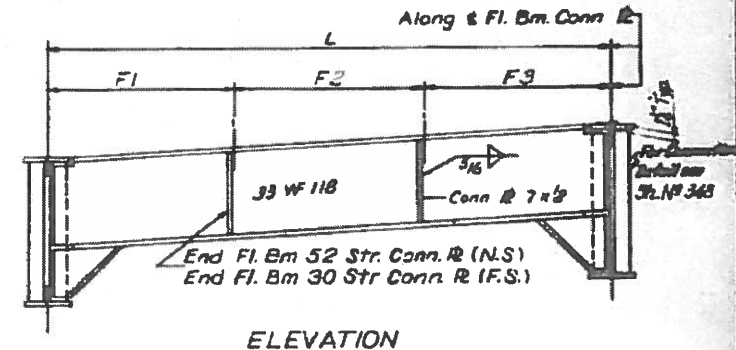
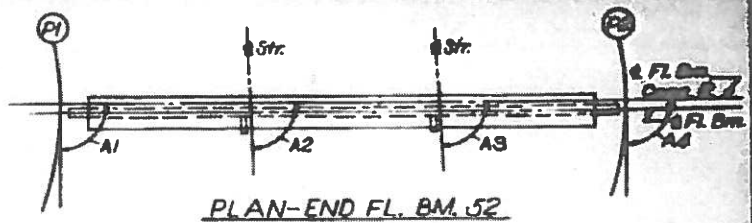
DESIGNED BY R.M.R.
CHECKED BY D.C.H.
DRAWN BY A.T.
APPROVED BY K.A.

FOR INFORMATION ONLY

SOUTH NO.	SECTION	COUNTY	TOTAL SHEETS
F A I - 70	82-3HV2-P	ST. CLAIR	24
P.C. 0820	BY	DATE	NO.
			22

SPAN	L	W	SP	ST	ST	ST	ST
35	20-11'	15'-0"	19-3"	4-0"	0	0	0
36	20-11'	15'-0"	19-3"	4-0"	0	0	0
37	20-6'	15'-3"	19-3"	4-0"	0	0	0
38	20-6'	15'-3"	19-3"	4-0"	0	0	0
39	20-6'	15'-3"	19-3"	4-0"	0	0	0
40	20-6'	15'-3"	19-3"	4-0"	0	0	0
41	20-6'	15'-3"	19-3"	4-0"	0	0	0
42	20-6'	15'-3"	19-3"	4-0"	0	0	0
43	20-6'	15'-3"	19-3"	4-0"	0	0	0
44	20-6'	15'-3"	19-3"	4-0"	0	0	0
45	20-6'	15'-3"	19-3"	4-0"	0	0	0
46	20-6'	15'-3"	19-3"	4-0"	0	0	0
47	20-6'	15'-3"	19-3"	4-0"	0	0	0
48	20-6'	15'-3"	19-3"	4-0"	0	0	0
49	20-6'	15'-3"	19-3"	4-0"	0	0	0
50	20-6'	15'-3"	19-3"	4-0"	0	0	0
51	20-6'	15'-3"	19-3"	4-0"	0	0	0
52	20-6'	15'-3"	19-3"	4-0"	0	0	0
53	20-6'	15'-3"	19-3"	4-0"	0	0	0
54	20-6'	15'-3"	19-3"	4-0"	0	0	0
55	20-6'	15'-3"	19-3"	4-0"	0	0	0
56	20-6'	15'-3"	19-3"	4-0"	0	0	0
57	20-6'	15'-3"	19-3"	4-0"	0	0	0
58	20-6'	15'-3"	19-3"	4-0"	0	0	0
59	20-6'	15'-3"	19-3"	4-0"	0	0	0
60	20-6'	15'-3"	19-3"	4-0"	0	0	0
61	20-6'	15'-3"	19-3"	4-0"	0	0	0
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63	20-6'	15'-3"	19-3"	4-0"	0	0	0
64	20-6'	15'-3"	19-3"	4-0"	0	0	0
65	20-6'	15'-3"	19-3"	4-0"	0	0	0
66	20-6'	15'-3"	19-3"	4-0"	0	0	0
67	20-6'	15'-3"	19-3"	4-0"	0	0	0
68	20-6'	15'-3"	19-3"	4-0"	0	0	0
69	20-6'	15'-3"	19-3"	4-0"	0	0	0
70	20-6'	15'-3"	19-3"	4-0"	0	0	0
71	20-6'	15'-3"	19-3"	4-0"	0	0	0
72	20-6'	15'-3"	19-3"	4-0"	0	0	0
73	20-6'	15'-3"	19-3"	4-0"	0	0	0
74	20-6'	15'-3"	19-3"	4-0"	0	0	0
75	20-6'	15'-3"	19-3"	4-0"	0	0	0
76	20-6'	15'-3"	19-3"	4-0"	0	0	0
77	20-6'	15'-3"	19-3"	4-0"	0	0	0
78	20-6'	15'-3"	19-3"	4-0"	0	0	0
79	20-6'	15'-3"	19-3"	4-0"	0	0	0
80	20-6'	15'-3"	19-3"	4-0"	0	0	0
81	20-6'	15'-3"	19-3"	4-0"	0	0	0
82	20-6'	15'-3"	19-3"	4-0"	0	0	0
83	20-6'	15'-3"	19-3"	4-0"	0	0	0
84	20-6'	15'-3"	19-3"	4-0"	0	0	0

FL. NO.	L	F1	F2	F3	F4	F5	F6	F7	F8
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
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81	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0
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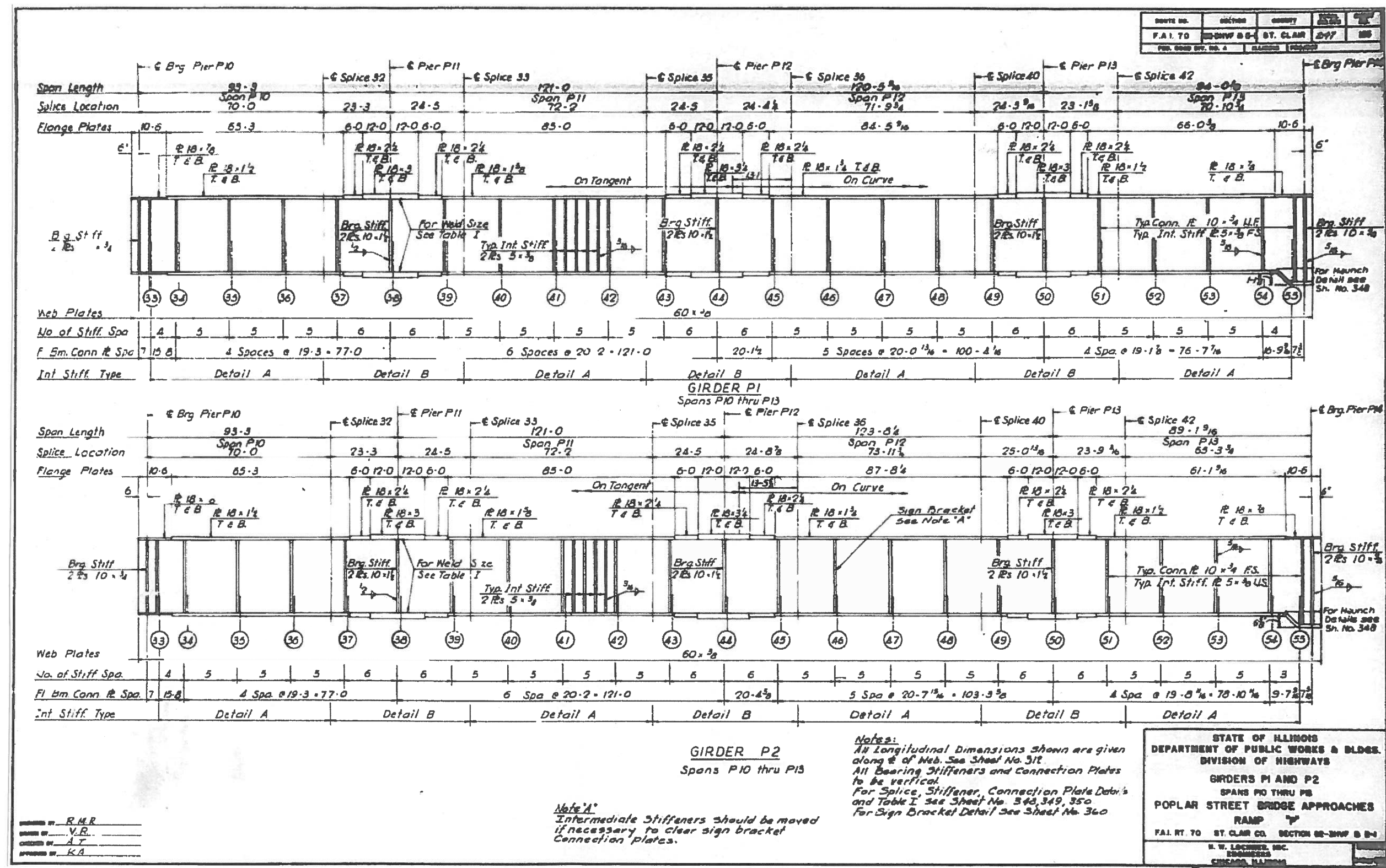


Notes: Length L of Stringers and Fl. Bms is correct as given in the table except the increment lengths are given to the nearest "16". All dimensions are in the horizontal plane. For Connection Plate Detail see Sheet No. 348.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
STRINGER AND FLOOR BEAM
SCHEDULE
SPANS P10 THRU P13
POPLAR STREET BRIDGE APPROACHES
RAMP
F A I - 70 ST. CLAIR CO SECTION 82-3HV2-P
R. V. LACROIX, INC.
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

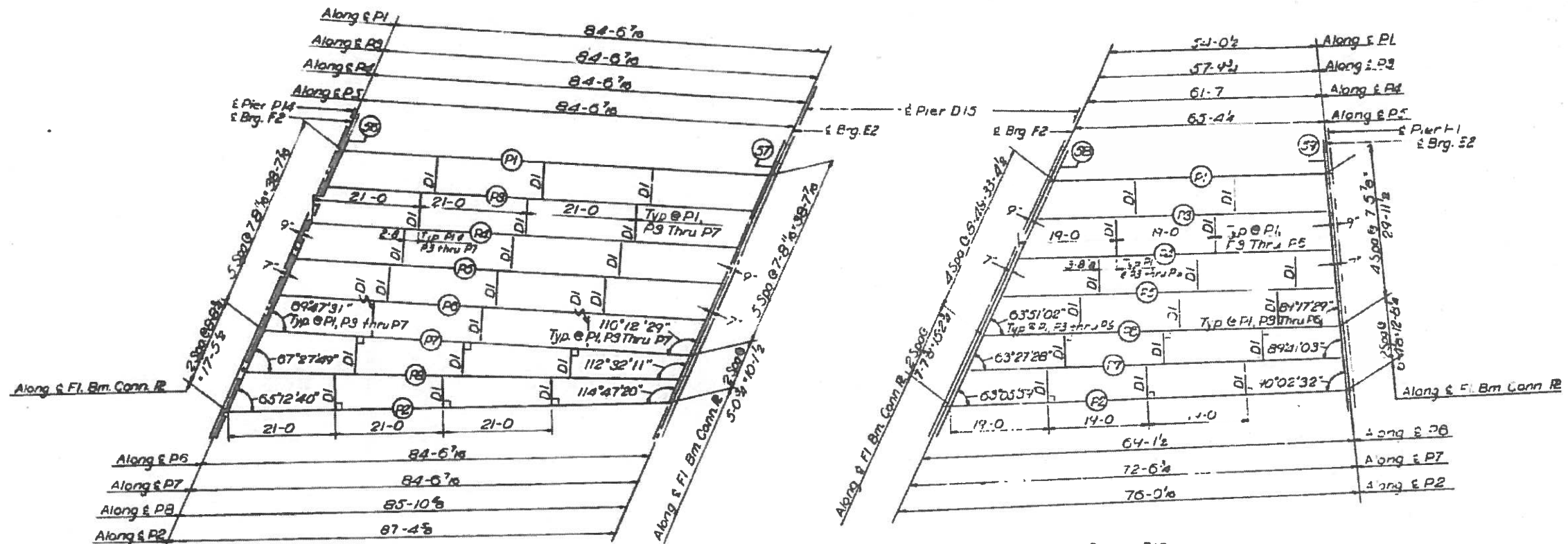
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CONTRACT NO. 76G15	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISD -	SCALE: _____	SHEET _____ OF _____ SHEETS	ILLINOIS FED. AID PROJECT				
MODEL NAME *	PLOT DATE = 5/3/2016	DATE -	REVISD -							



STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDGS.
 DIVISION OF HIGHWAYS
 GIRDERS P1 AND P2
 SPANS P10 THRU P13
 POPLAR STREET BRIDGE APPROACHES
 RAMP
 FAI RT. 70 ST. CLAIR CO. SECTION 02-3HV-2-P-4
 H. W. LOCHNER, INC.
 ENGINEERS
 CHICAGO, ILLINOIS

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-70	82-3HV8-2-P	ST. CLAIR	24	23
FED. ROAD DIST. NO. 1		ILLINOIS	PROJECT	



PLAN
SPANS P14 AND P15

ELEVATION TOP OF FLANGE

	STR. P1	STR. P2	DIFF.
CL. ELEV.	447.220	447.210	0.010
FLOOR BEAM 26	447.201	444.214	2.987
FLOOR BEAM 27	447.210	444.210	3.000
CL. ELEV.	447.210	444.210	3.000

ELEVATION TOP OF FLANGE

	STR. P1	STR. P2	DIFF.
CL. ELEV.	447.220	444.211	3.009
FLOOR BEAM 28	447.220	444.224	3.000
FLOOR BEAM 29	444.220	444.126	0.094
CL. ELEV.	444.210	444.126	0.084

BILL OF MATERIAL	
Structural Steel	Lbs. 320,925

* Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel Est. Wt. 7020

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS P14 AND P15
POPLAR STREET BRIDGE APPROACHES
RAMP "P"

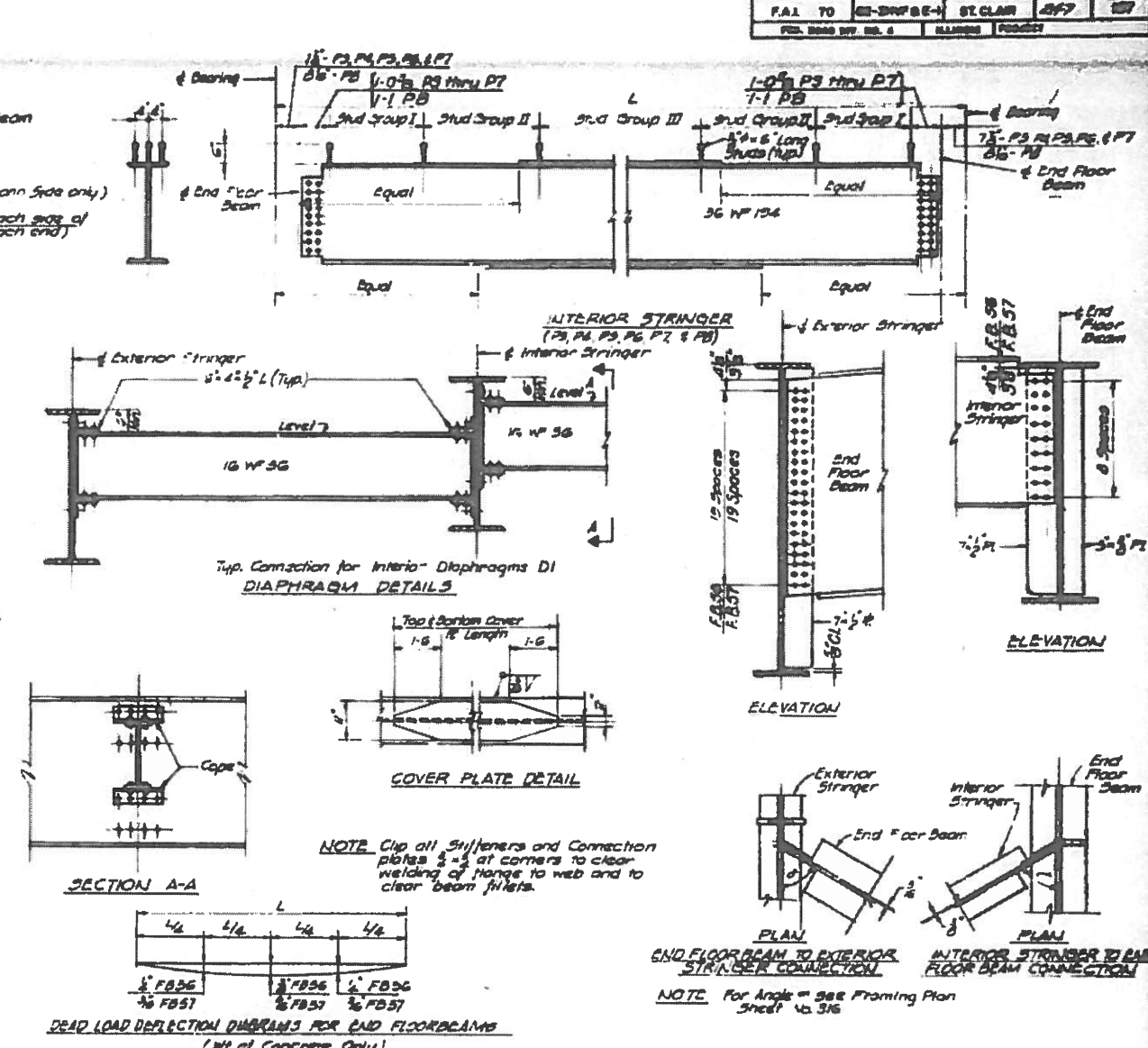
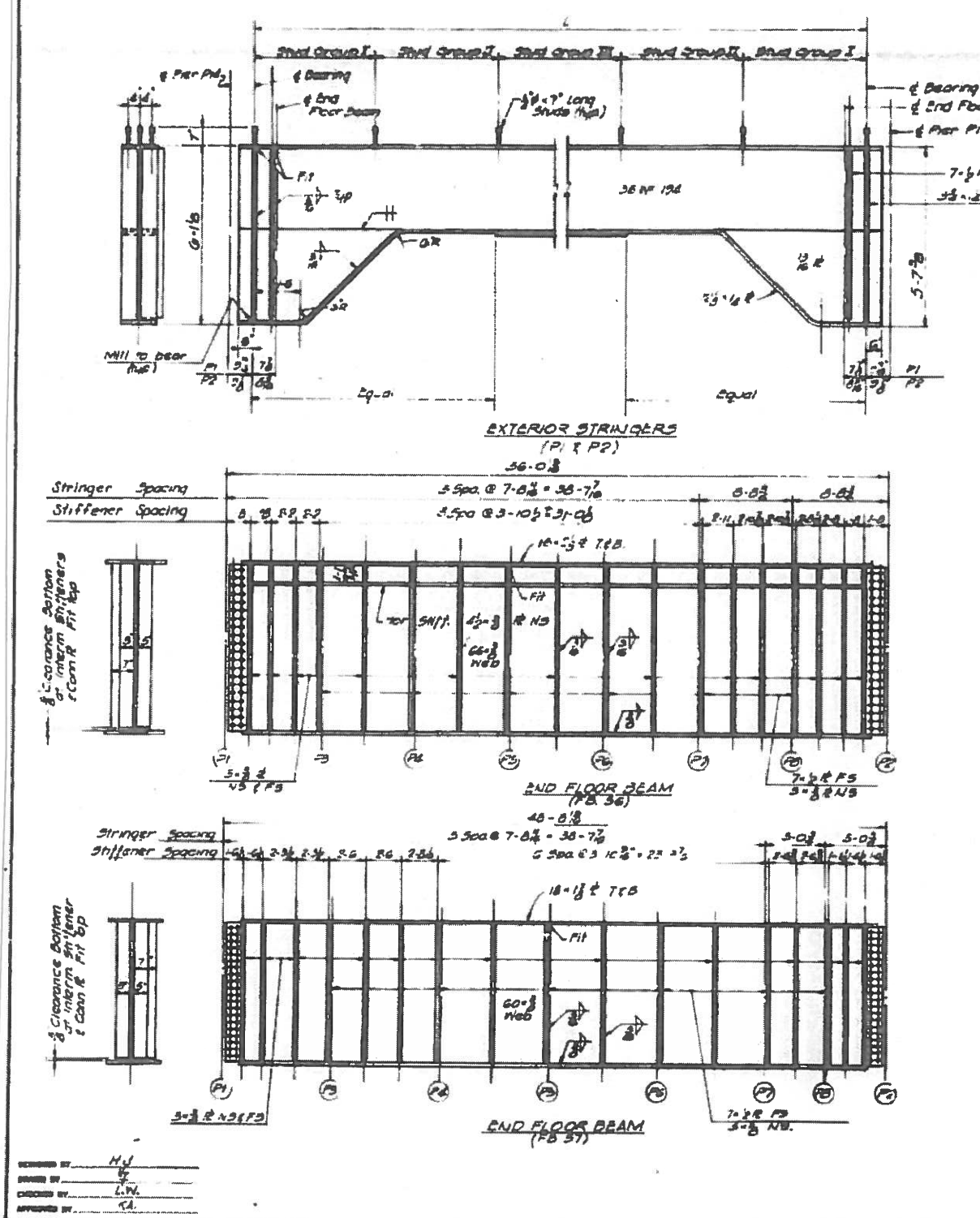
FAI RT TO ST. CLAIR CO SECTION 8-2-P

H. W. LOCKER, INC.
ENGINEERS
CHICAGO, ILLINOIS

DESIGNED BY R.M.P.
CHECKED BY D.C.H.
DRAWN BY J.F.
APPROVED BY K.A.

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 70	82-3HV2-P	ST. CLAIR	247	257
FED. ROAD DIST. NO. 4		ILLINOIS	PROJECT	



DEAD LOAD DEFLECTION DIAGRAMS FOR END FLOOR BEAMS
(WT of Concrete Only)

STRINGERS & COVER PLATE LENGTHS - SHEAR CORAL SPACING

STRINGERS	LENGTH	TOP COVER	BOTTOM COVER	STRIP GROUP I	STRIP GROUP II	STRIP GROUP III
P1	84-6 1/2	111 1/2 - 57-6	348 3/4	308 7/8	228 1/2	188 1/2
P3	84-6 1/2	111 1/2 - 57-6	348 3/4	308 7/8	188 1/2	188 1/2
P4	84-6 1/2	111 1/2 - 57-6	348 3/4	308 7/8	188 1/2	188 1/2
P5	84-6 1/2	111 1/2 - 57-6	348 3/4	308 7/8	188 1/2	188 1/2
P6	84-6 1/2	111 1/2 - 57-6	348 3/4	308 7/8	188 1/2	188 1/2
P7	84-6 1/2	111 1/2 - 57-6	348 3/4	308 7/8	188 1/2	188 1/2
P8	85-10 1/2	111 1/2 - 57-6	348 3/4	248 3/4	198 1/2	158 1/2
P2	87-4 1/2	111 1/2 - 57-6	348 3/4	248 3/4	198 1/2	158 1/2

NOTES
For Framing Plan see Sheet No. 310

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDG.
DIVISION OF HIGHWAYS

STEEL DETAILS
SPAN #4
POPLAR STREET BRIDGE APPROACHES
RAMP #2

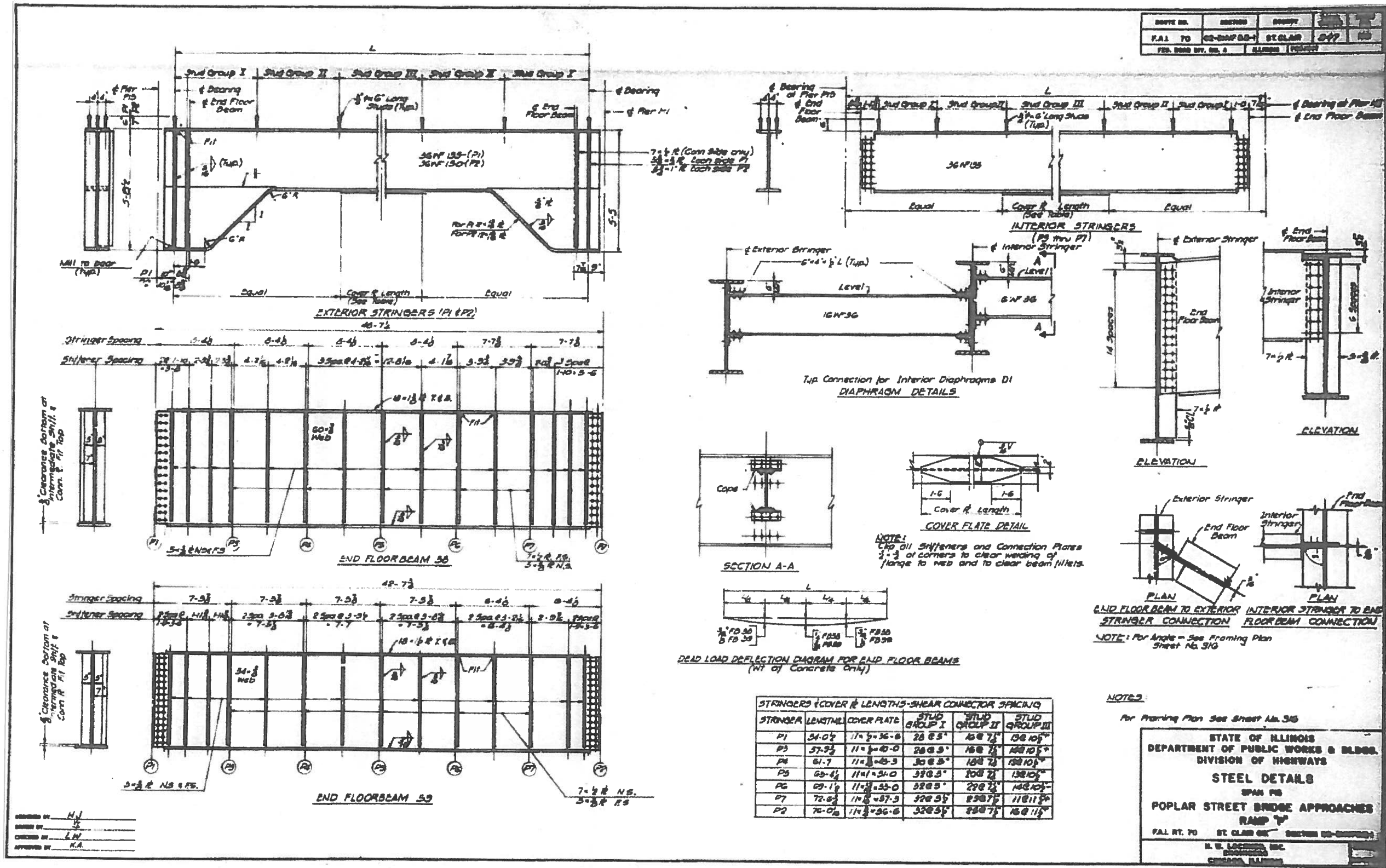
F.A.I. RT. TO ST. CLAIR CO. SECTION 82-3HV2-P

H. W. LOCKER, INC.
ENGINEERS
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

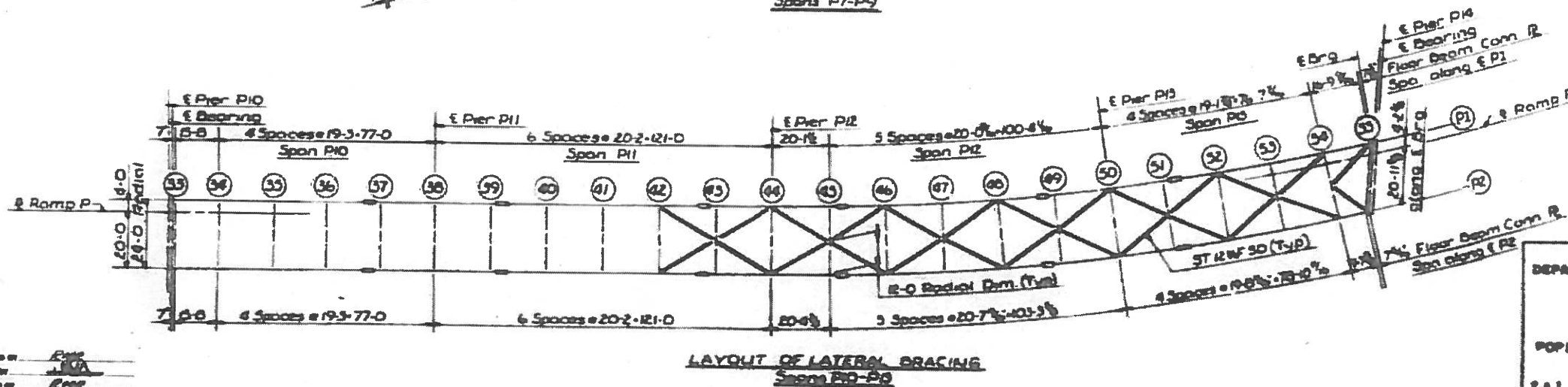
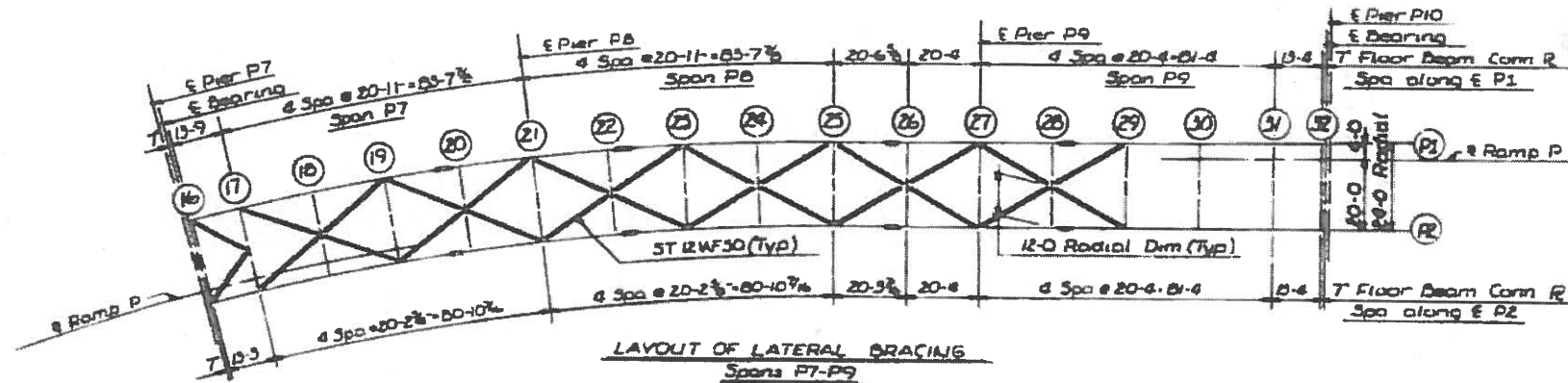
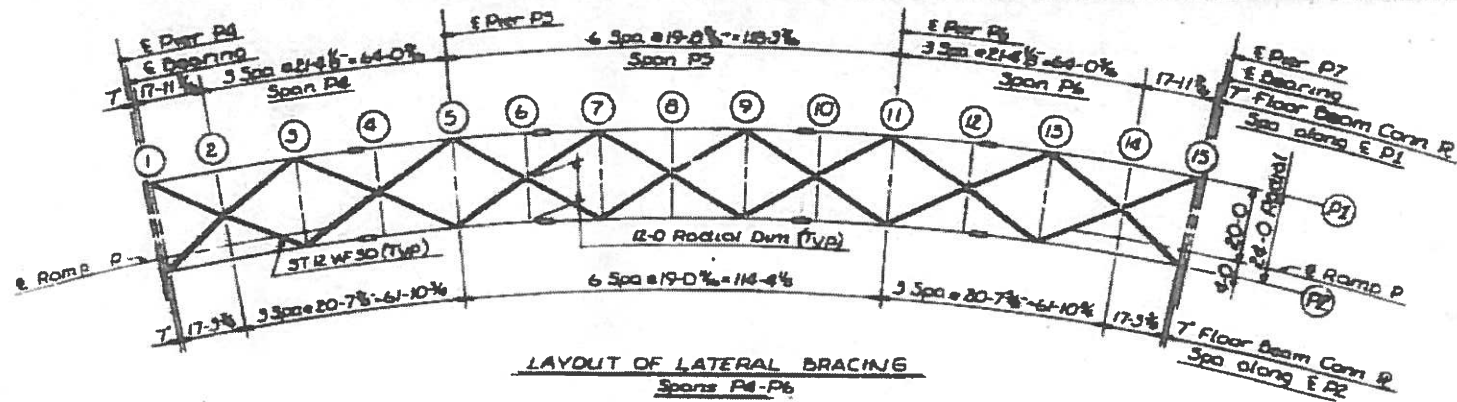
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MODEL NAME	PLANT DATE = 5/3/2016	CHECKED -	REVISED -			82-3HV2-P	ST. CLAIR	24	23A		
						SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76G15		

DATE NO.	SECTION	COUNT	NO.
F.A.I. TO	82-3HV-2-P	ST. CLAIR	247
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT	



FOR INFORMATION ONLY

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-70	82-3HV-2-P	ST. CLAIR	24	24A
DATE	SCALE	DATE	DATE	DATE



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

LATERAL BRACING
SPANS P4 THRU P13
POPULAR STREET BRIDGE APPROACH
RAVINE

FAI 70 / FAP 312
CONTRACT NO. 76G15

FOR INFORMATION ONLY

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SN 082-0203 EXISTING STRUCTURE DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLLOT SCALE	DATE	CHECKED	REVISED					82-3HV-2-P	ST. CLAIR	24	24A	
MODEL NAME	PLLOT DATE	DATE	REVISED	SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76G15				