

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	1
		ILLINOIS	CONTRACT NO. 76P64	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

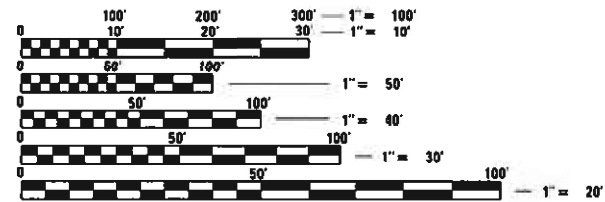
TRAFFIC DATA

2017 ADT = 16600 (ACTUAL)
2022 ADT = 17200 (ESTIMATED)
2042 ADT = 19800 (ESTIMATED)
SU = 2.3% MU = 8.7%
INTERSTATE

**PROPOSED
HIGHWAY PLANS**

**FAI ROUTE 70 (I-055/064)
SECTION 82-3HVB-2R-2-1-BP-1
PROJECT NHPP-QENP(591)
BRIDGE PAINTING -- SN 082-0144
ST. CLAIR COUNTY**

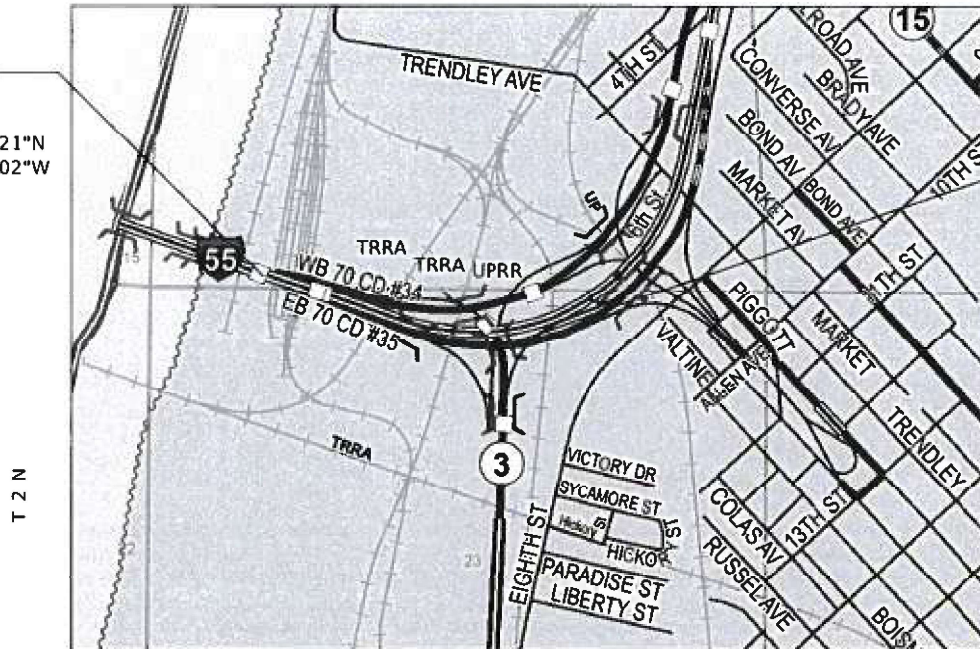
C-98-102-21



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 EXCAVATORS
1-800-892-0123
OR 811

BEGIN PROJECT:
SN 082-0144
STATION: 49+56.12
LATITUDE: 38°36'58.21"N
LONGITUDE: 90°10'35.02"W



END PROJECT:
SN 082-0144
STATION: 64+62.00
LATITUDE: 38°36'54.51"N
LONGITUDE: 90°10'16.57"W



**PROJECT ENGINEER : BILLIE OWEN (618) 346-3209
PROJECT MANAGER : MIKE BERG (618) 346-3411**

GROSS LENGTH = 1505.88 FT. = 0.285 MILE
NET LENGTH = 1505.88 FT. = 0.285 MILE

CONTRACT NO. 76P64

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 08-05-21
[Signature] REGIONAL ENGINEER

October 1, 2021
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

October 21, 2021
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-6 DETOUR DETAILS
- 7-29 STRUCTURE DETAILS

HIGHWAY STANDARDS

701451-05
 701901-08
 704001-08
 000001-08
 001006

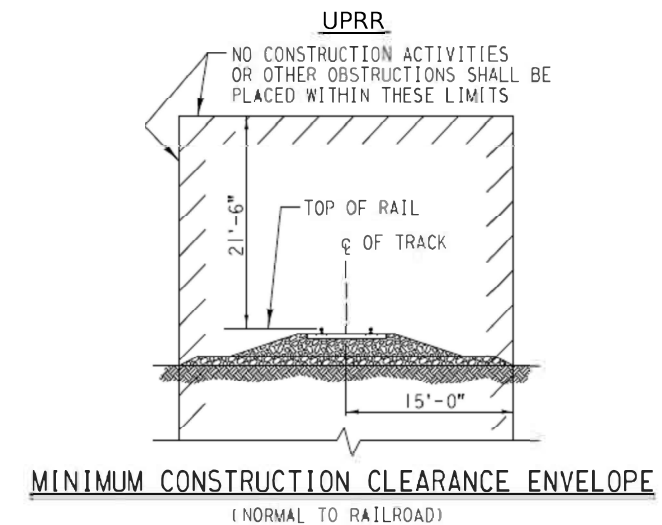
GENERAL NOTES

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:

AMEREN ILLINOIS
 AT&T ILLINOIS
 CHARTER COMMUNICATIONS, INC.
 CITY OF EAST ST. LOUIS
 EXPLORER PIPELINE COMPANY
 ILLINOIS AMERICAN WATER COMPANY
 VERIZON BUSINESS
 METRO EAST SANITARY DISTRICT
 SPIRE EAST
 ZAYO GROUP LLC

2. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
3. ONE CHANGEABLE MESSAGE SIGN SHALL BE REQUIRED FOR THIS PROJECT, IT SHALL BE PLACED TWO WEEKS PRIOR TO RAMP CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLE MESSAGE SIGN SHALL BE PLACED AT THE DIRECTION OF THE ENGINEER.

4. 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 COURSEWORK (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 HCTTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
5. SSPC QP1 AND QP2 CERTIFICATION IS REQUIRED FOR THIS CONTRACT
6. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A WORK PLAN TO THE RAILROAD FOR REVIEW WHICH SHOWS THE CONTAINMENT METHOD UTILIZED DOES NOT ALLOW PAINT AND OTHER DEBRIS TO FALL ONTO THE UPRR PROPERTY BELOW. ADDITIONALLY, ALL FALSEWORK AND/OR CONTAINMENT MEANS ARE LOCATED OUTSIDE THE "MINIMUM CONSTRUCTION CLEARANCE ENVELOPE" AT ALL TIMES.



*THE EXISTING VERTICAL CLEARANCE OF THE UPRR TRACK BETWEEN D12 AND D13 IS MEASURED TO BE AT LEAST 23' 4" (SEE SHEET 8)

*THE EXISTING VERTICAL CLEARANCE OF THE TRAA TRACK BETWEEN D11 AND D12 IS MEASURED TO BE AT LEAST 25' 1 7/8" (SEE SHEET 8)

7. A MINIMUM OF THREE AIR MONITORS WILL BE REQUIRED TO MONITOR THE ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
8. CLEANING AND PAINTING OF THE EXISTING STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL BEAMS, BEARINGS, AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING-SSPC-SP10. THE AREA CLEANED PER NEAR WHITE BLAST CLEANING - SSPC-SP10 SHALL PE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1-OZ/E/U. THE COLOR OF THE FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1.

COMMITMENTS

NONE

REV. - MS

MODEL: \\MODELNAME
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 PROJECT: \\PROJECTNAME
 OFFICE: \\OFFICE
 USER: \\USER
 DATE: 8/4/2021

USER NAME = hugesrd	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - _____	REVISED - _____	70			82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	2	
PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED + _____			CONTRACT NO. 76P64				
PLOT DATE = 8/4/2021	DATE - _____	REVISED + _____			ILLINOIS FED. AID PROJECT				
				SCALE: _____	SHEET 1 OF 1 SHEETS		STA. _____ TO STA. _____		

90% FED
10% STATE
URBAN

SUMMARY OF QUANTITIES

CONSTR. CODE

BRIDGE

0047

S.N. 082-0144

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	LSUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	23	23
Z0016702	DETOUR SIGNING	L SUM	1	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Ø Z0076600	TRAINEES	HOURL	500	500
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	500
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

Ø 0042

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REV. - MS

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PLOT DATE = 8/2/2021	DATE - _____	REVISED - _____

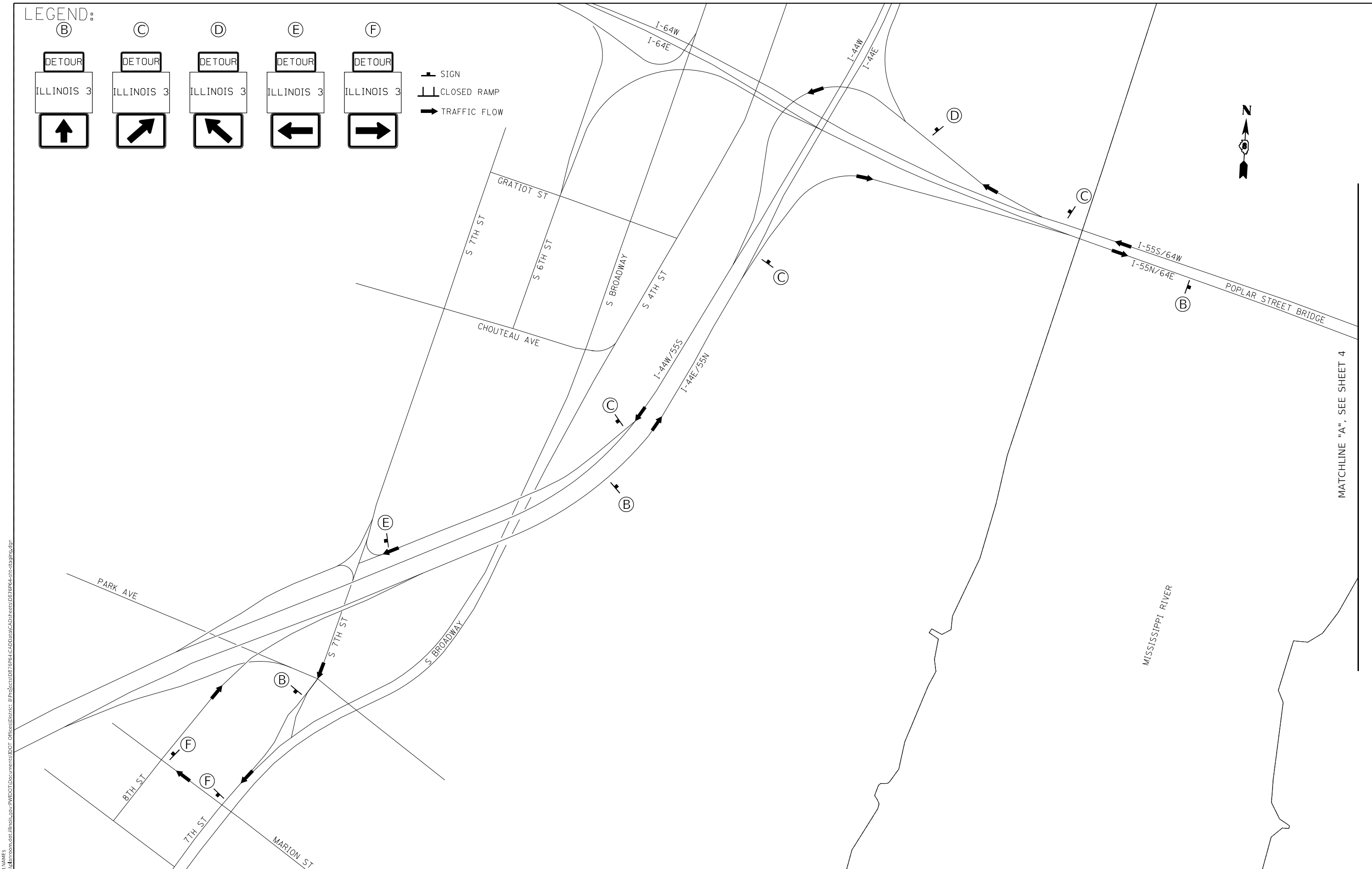
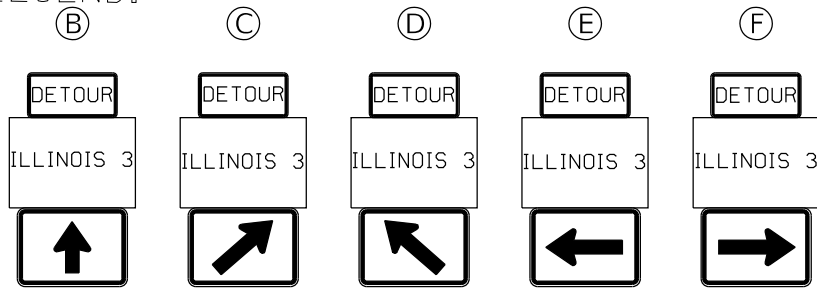
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	3
CONTRACT NO. 76P64			ILLINOIS FED. AID PROJECT	

LEGEND:



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 PROJECT: \\path\to\project\name
 USER: hughesrd
 DATE: 8/2/2021

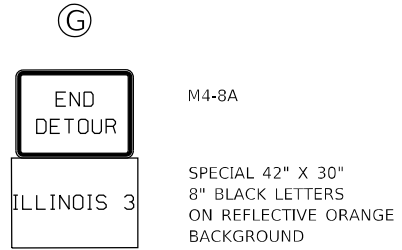
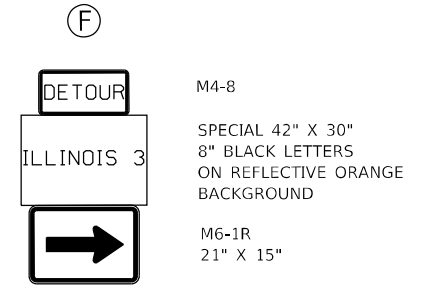
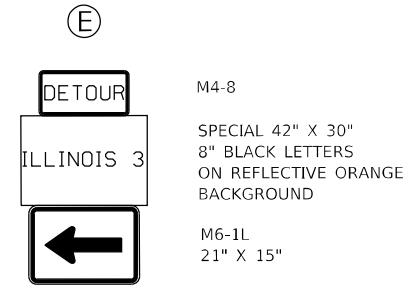
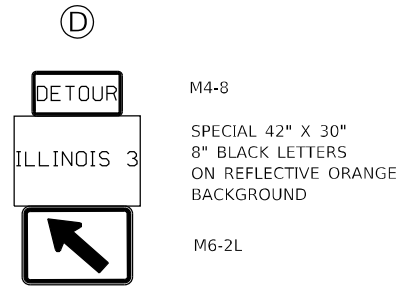
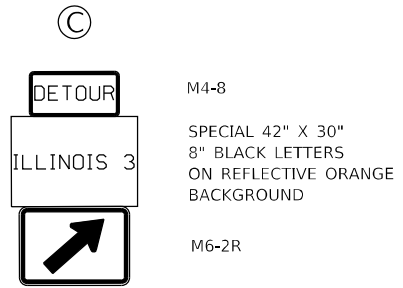
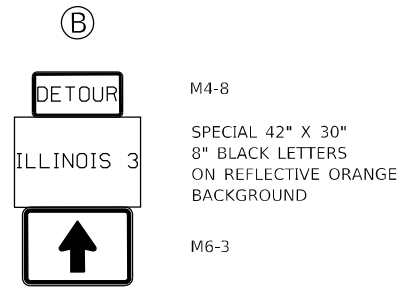
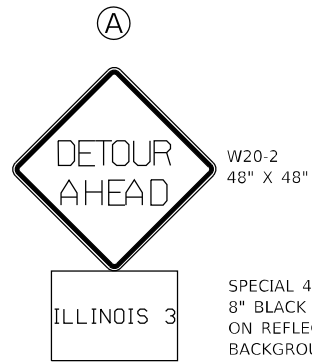
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DRAWN - _____	REVISED - _____	REVISED - _____
PLOT SCALE = 400,0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 8/2/2021	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR DETAILS

SCALE: _____ SHEET 2 OF 3 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	5
CONTRACT NO. 76P64				
ILLINOIS FED. AID PROJECT				



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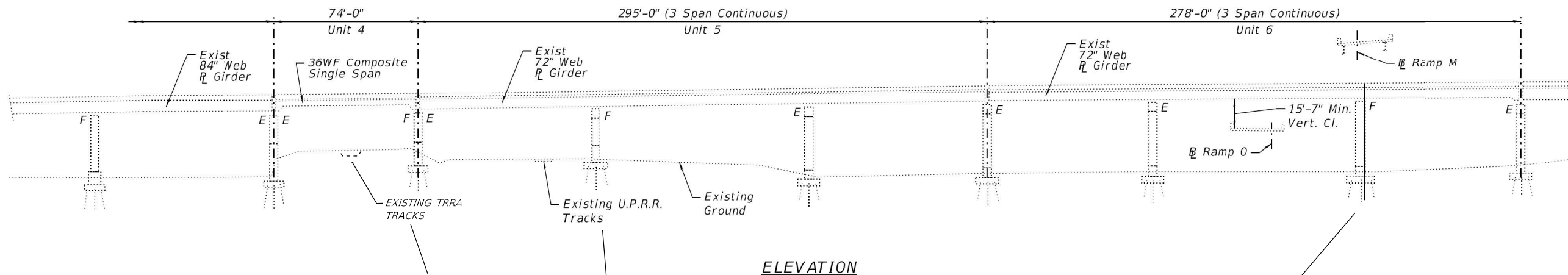
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	DRAWN - _____	REVISED - _____
PLOT SCALE = 400,0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 8/2/2021	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR DETAILS

SCALE: _____ SHEET 3 OF 3 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	6
CONTRACT NO. 76P64				
ILLINOIS FED. AID PROJECT				

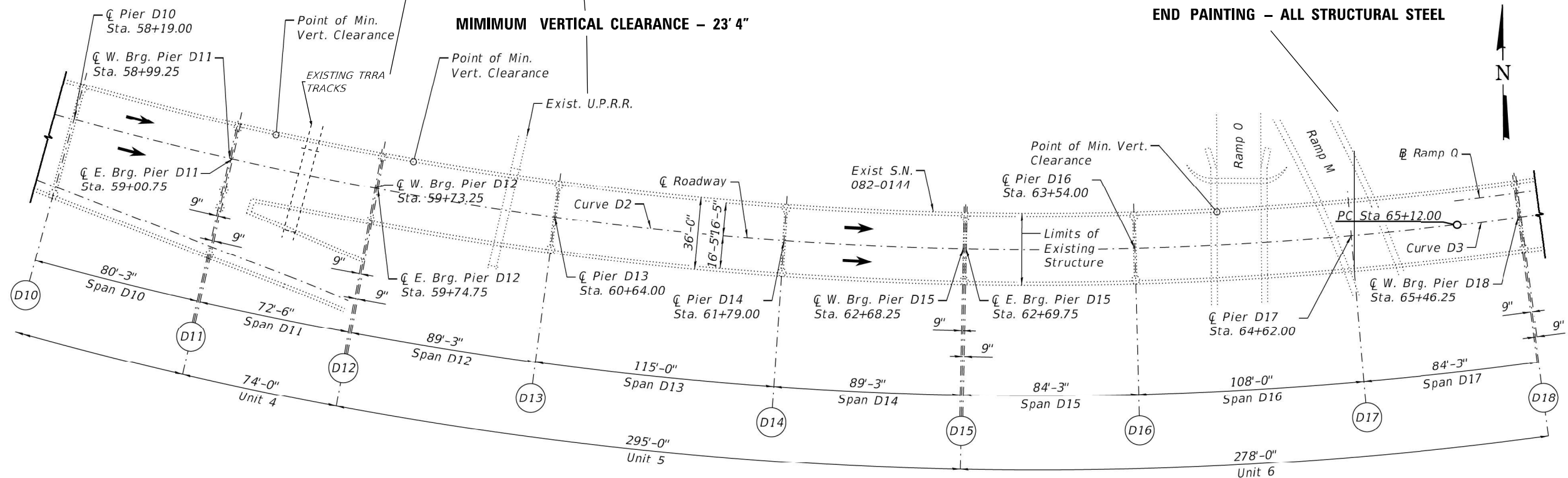


ELEVATION

MINIMUM VERTICAL CLEARANCE - 25' 1 7/8"

MINIMUM VERTICAL CLEARANCE - 23' 4"

END PAINTING - ALL STRUCTURAL STEEL



PLAN (SPANS D10 - D17)

Longitudinal dimensions measured along C Roadway D

GENERAL PLAN & ELEVATION
F.A.I. 70 (I-55/I-64) EB CD "D"
OVER RR, IL 3, 8TH ST
SEC. 82-3HVB-2R-(2,1)-I-2
ST. CLAIR COUNTY
STATION 49+55.37
STRUCTURE NO. 082-0144

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 OFFICE: I:\Model\082-0144\082-0144.dwg
 DATE: 8/2/2021

USER NAME = hughesrd	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 40,0000 * / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 8/2/2021	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

SCALE: NTS SHEET 2 OF 23 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	8
CONTRACT NO. 76P64			ILLINOIS FED. AID PROJECT	

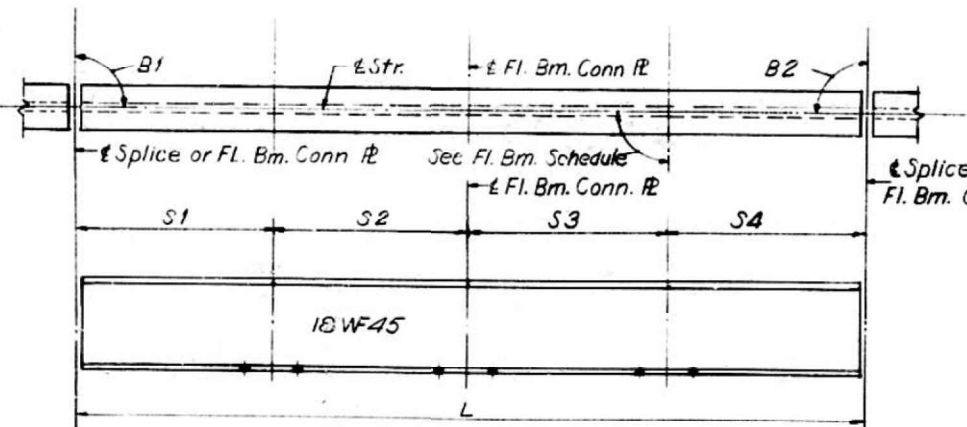
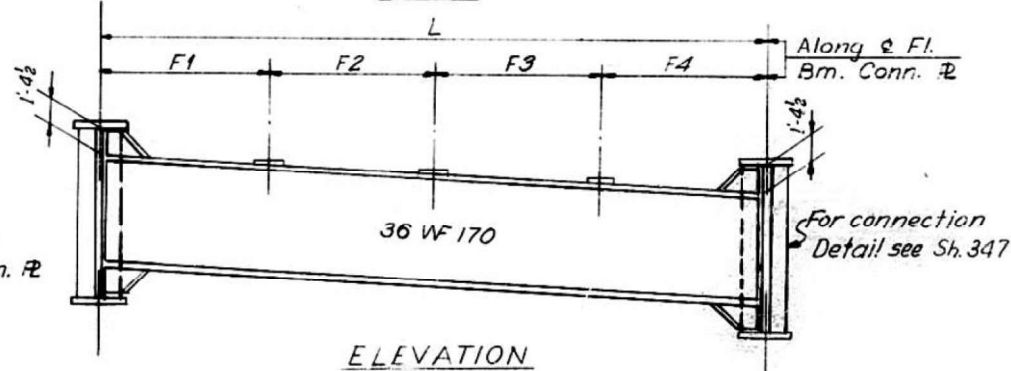
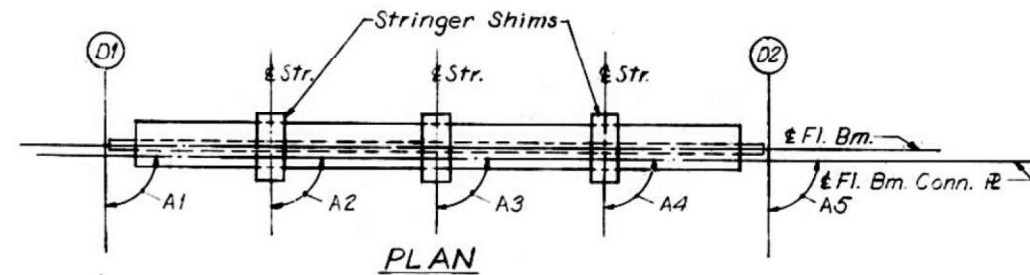
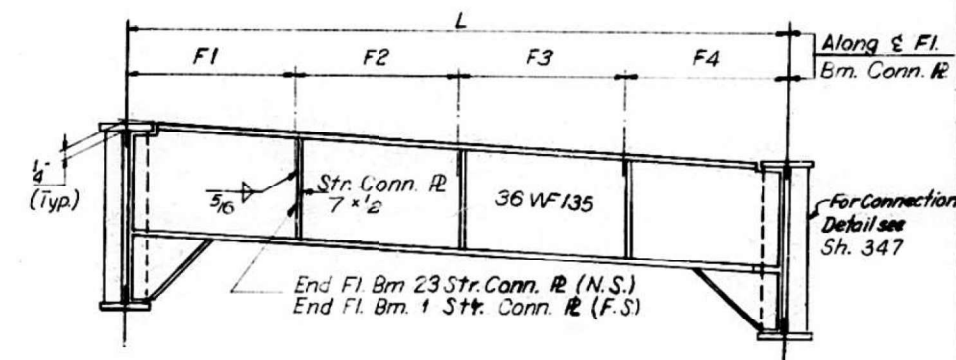
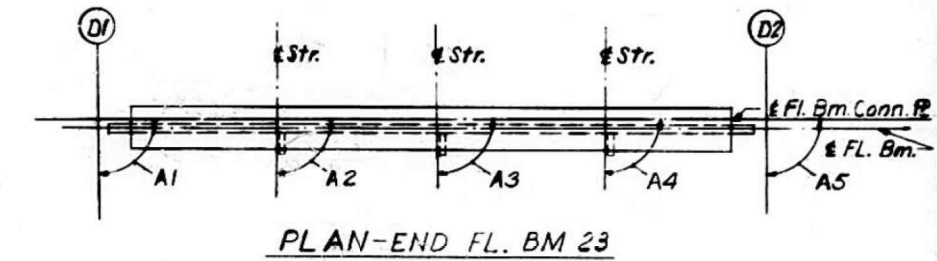
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 70	82-3HVFB-E1	ST. CLAIR	217	80
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		

STRINGER DIMENSIONS

STRID	L	S1	S2	S3	S4	B1	B2
1	27' 9 9/16"	4' 7 9/16"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
2	27' 9 9/16"	4' 7 9/16"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
3	27' 9 9/16"	4' 7 9/16"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
4	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
5	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
6	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
7	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
8	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
9	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
10	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
11	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
12	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
13	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
14	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
15	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
16	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
17	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
18	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
19	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
20	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
21	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
22	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
23	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
24	38' 4"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
25	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
26	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
27	46' 4"	4"	19' 2"	19' 2"	4"	90,00,00	90,00,00
28	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
29	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
30	30' 4"	15' 2"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
31	35' 2"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
32	35' 2"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00
33	35' 2"	4"	19' 2"	19' 2"	15' 2"	90,00,00	90,00,00

FLOOR BEAM DIMENSIONS

FL. BM.	L	F1	F2	F3	F4	A1	A2	A3	A4	A5
1	27'-0"	8'-0"	8'-0"	8'-0"	8'-0"	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
2	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
3	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
4	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
5	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
6	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
7	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
8	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
9	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
10	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
11	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
12	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
13	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
14	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
15	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
16	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
17	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
18	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
19	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
20	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
21	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
22	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
23	38'	8'	8'	8'	8'	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00



DESIGNED BY A.T.E.A.I.C.
 DRAWN BY D.G.H.
 CHECKED BY A.A.
 APPROVED BY 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 "6".
 All dimensions are in the horizontal plane.
 For Connection Plate details see Sheet No. 348

FOR INFORMATION ONLY

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDGS.
 DIVISION OF HIGHWAYS
 STRINGER AND FLOOR BEAM
 SCHEDULE
 SPANS D1 THRU D4
 POPLAR STREET BRIDGE APPROACHES
 ROADWAY "D"

F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVFB-E1

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

SHEET 210 of 288

USER NAME = hugesrd	DESIGNED - _____	REVISED - _____
PLOT SCALE = 40,0000 */ in.	DRAWN - _____	REVISED - _____
PLOT DATE = 8/2/2021	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

SCALE: NTS SHEET 4 OF 23 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVFB-2R-2-1-BP-1	ST. CLAIR	29	10
CONTRACT NO. 76P64			ILLINOIS FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-70	82-3HVB&E-1	ST. CLAIR	297	81
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	

FLOOR BEAM 2 THRU 4	T1	T2	T3	T4
STR. 1 THRU 6	1	1 1/8	3/8	1/8

FLOOR BEAM 5 THRU 7	T1	T2	T3	T4
STR. 7 THRU 9	15/16	1 1/16	7/16	9/16

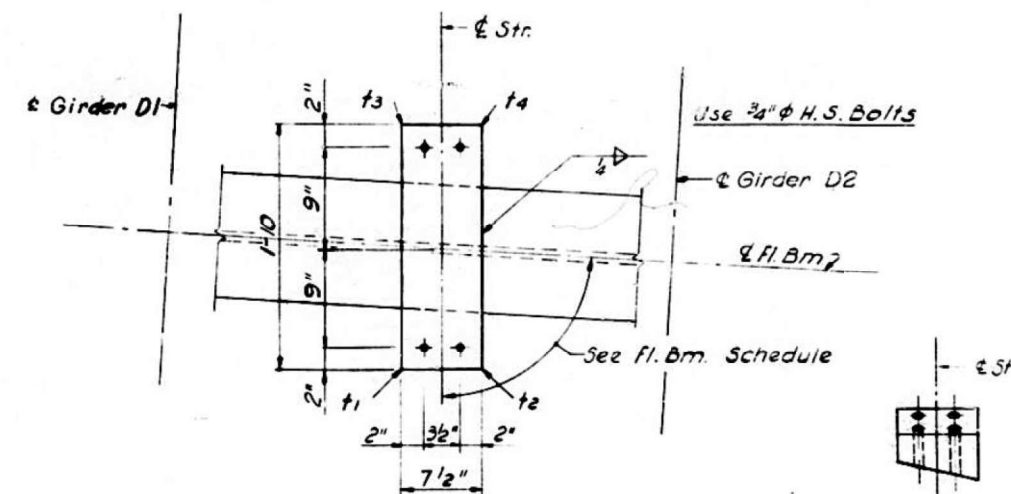
FLOOR BEAM 8 THRU 10	T1	T2	T3	T4
STR. 10 THRU 13	7/8	1	1/2	5/8

FLOOR BEAM 11 THRU 13	T1	T2	T3	T4
STR. 13 THRU 15	13/16	15/16	9/16	11/16

FLOOR BEAM 14 THRU 16	T1	T2	T3	T4
STR. 17 THRU 24	3/4	7/8	9/8	3/4

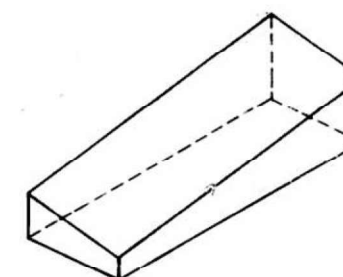
FLOOR BEAM 17 THRU 19	T1	T2	T3	T4
STR. 25 THRU 27	11/16	13/16	11/16	13/16

FLOOR BEAM 20 THRU 22	T1	T2	T3	T4
STR. 28 THRU 33	11/16	3/4	3/4	13/16



PLAN

END VIEW



ISOMETRIC VIEW



SIDE VIEW

SHIM DETAIL

Shim thickness t_1 , t_2 , t_3 & t_4 shown in the Table are orientated with the Plan View shown above.

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
STRINGER SHIMS
SPANS D1 THRU D4
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"
F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVB&E-1
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
211 of 526

DESIGNED BY A.J.C.
DRAWN BY J.C.H.
CHECKED BY A.S.
APPROVED BY K.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

SCALE: NTS SHEET 5 OF 23 SHEETS STA. _____ TO STA. _____

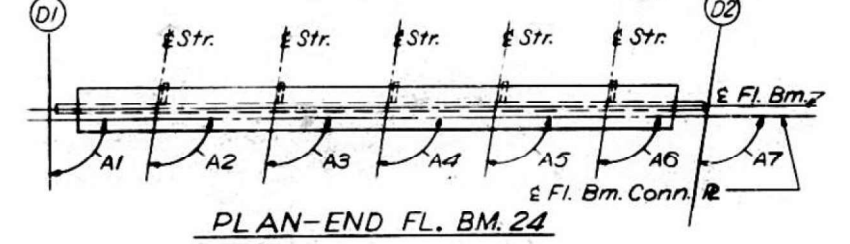
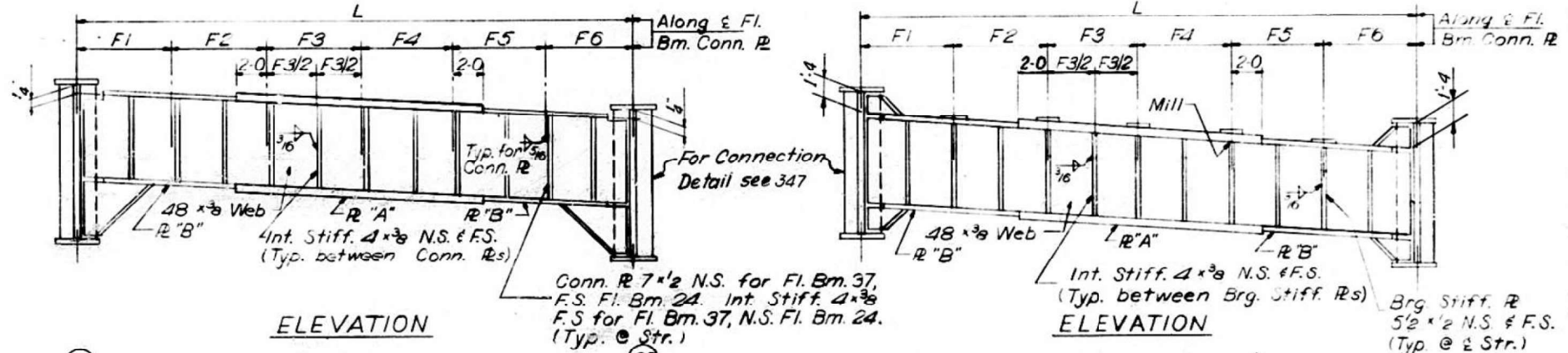
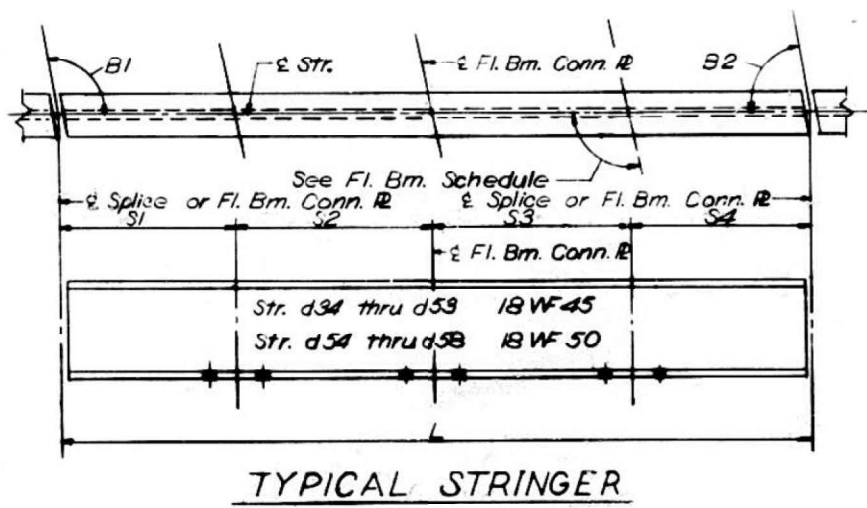
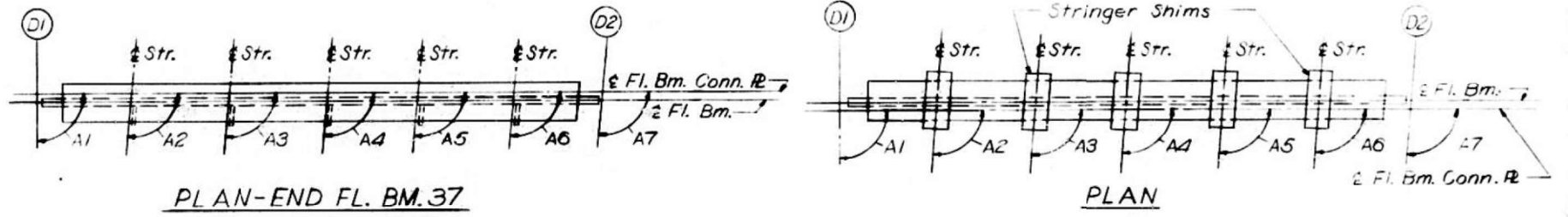
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	11
CONTRACT NO. 76P64				
ILLINOIS				FED. AID PROJECT

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FEDERAL-AID ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
FAI. 70	82-3HVBE	ST. CLAIR	247	24
FED. ROAD DIV. No. 4 ILLINOIS PROJECT				

STRGID	L	S1	S2	S3	S4	B1	B2
36	54'-2"	16'-8"	○	21'-0"	16'-6"	90,26,05	90,26,05
36	54' 2 1/16	16 8	○	21	16 6	90,26,10	90,07,50
36	54' 2 3/16	16 8 1/16	○	21 1/16	16 6 1/16	91,18,14	90,41,46
37	54' 2 5/16	16 8 1/8	○	21 1/8	16 6 1/8	91,44,18	90,15,42
38	54' 2 7/16	16 8 1/8	○	21 3/16	16 6 1/8	92,10,21	97,49,39
39	51	4 6	○	21	4 6	90,26,05	90,33,55
40	51 1/16	4 6	○	21	4 6	90,26,10	90,07,50
41	51 3/16	4 6	○	21 1/16	4 6	91,18,14	90,41,46
42	51 5/16	4 6	○	21 1/8	4 6	91,44,18	90,15,42
43	51 7/16	4 6 1/16	○	21 3/16	4 6 1/16	92,10,21	97,49,39
44	54	16 6	○	21	16 6	90,26,05	90,33,55
45	54 1/16	16 6	○	21	16 6	90,26,10	90,07,50
46	54 3/16	16 6 1/16	○	21 1/16	16 6 1/16	91,18,14	90,41,46
47	54 5/16	16 6 1/8	○	21 1/8	16 6 1/8	91,44,18	90,15,42
48	54 7/16	16 6 1/8	○	21 3/16	16 6 1/8	92,10,21	97,49,39
49	51	4 6	○	21	4 6	90,26,05	90,33,55
50	51 1/16	4 6	○	21	4 6	90,26,10	90,07,50
51	51 3/16	4 6	○	21 1/16	4 6	91,18,14	90,41,46
52	51 5/16	4 6	○	21 1/8	4 6	91,44,18	90,15,42
53	51 7/16	4 6 1/16	○	21 3/16	4 6 1/16	92,10,21	97,49,39
54	54 2	16 6	○	21	16 6	90,26,05	90,33,55
55	54 2 1/16	16 6	○	21	16 6	90,26,10	90,07,50
56	54 2 3/16	16 6 1/16	○	21 1/16	16 6 1/16	91,18,14	90,41,46
57	54 2 5/16	16 6 1/8	○	21 1/8	16 6 1/8	91,44,18	90,15,42
58	54 2 7/16	16 6 1/8	○	21 3/16	16 6 1/8	92,10,21	97,49,39

FL. BM.	L	F1	F2	F3	F4	F5	F6	A1	A2	A3	A4	A5	A6	A7	PLATE A T x B	PLATE B T x B
24	54'-13/16	5'-4 1/8"	5'-4 1/8"	5'-4 1/8"	5'-4 1/8"	5'-4 1/8"	5'-4 1/8"	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1	12 x 3/4
25	52' 9 15/16	5 5 5/8	5 5 5/8	5 5 5/8	5 5 5/8	5 5 5/8	5 5 5/8	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1	12 x 3/4
26	33' 9 3/8	5 7 9/16	5 7 9/16	5 7 9/16	5 7 9/16	5 7 9/16	5 7 9/16	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/8	12 x 3/8
27	34' 8 7/8	5 9 1/2	5 9 1/2	5 9 1/2	5 9 1/2	5 9 1/2	5 9 1/2	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/8	12 x 3/8
28	35' 8 5/16	5 11 3/8	5 11 3/8	5 11 3/8	5 11 3/8	5 11 3/8	5 11 3/8	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/8	12 x 3/8
29	36' 7 13/16	6 1 5/16	6 1 5/16	6 1 5/16	6 1 5/16	6 1 5/16	6 1 5/16	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/4	12 x 1
30	37' 7 1/4	6 3 3/16	6 3 3/16	6 3 3/16	6 3 3/16	6 3 3/16	6 3 3/16	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/4	12 x 1
31	38' 6 3/4	6 5 1/8	6 5 1/8	6 5 1/8	6 5 1/8	6 5 1/8	6 5 1/8	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 3/8	12 x 1 1/8
32	39' 6 3/16	6 7 1/16	6 7 1/16	6 7 1/16	6 7 1/16	6 7 1/16	6 7 1/16	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 3/8	12 x 1 1/8
33	40' 5 11/16	6 8 15/16	6 8 15/16	6 8 15/16	6 8 15/16	6 8 15/16	6 8 15/16	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/2	12 x 1 1/4
34	41' 5 1/8	6 10 7/8	6 10 7/8	6 10 7/8	6 10 7/8	6 10 7/8	6 10 7/8	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/2	12 x 1 1/4
35	42' 4 5/8	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/2	12 x 1 1/4
36	43' 4 1/8	7 2 11/16	7 2 11/16	7 2 11/16	7 2 11/16	7 2 11/16	7 2 11/16	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/2	12 x 1 1/4
37	44' 1 3/16	7 4 3/16	7 4 3/16	7 4 3/16	7 4 3/16	7 4 3/16	7 4 3/16	90,00,00	90,26,05	90,26,10	91,18,14	91,44,18	92,10,21	92,36,23	12 x 1 1/4	12 x 1



END FLOOR BEAM 24 AND 37

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 Intermediate Stiffener, Brg. Stiffener and Connection Plate Details see Sheet No. 348

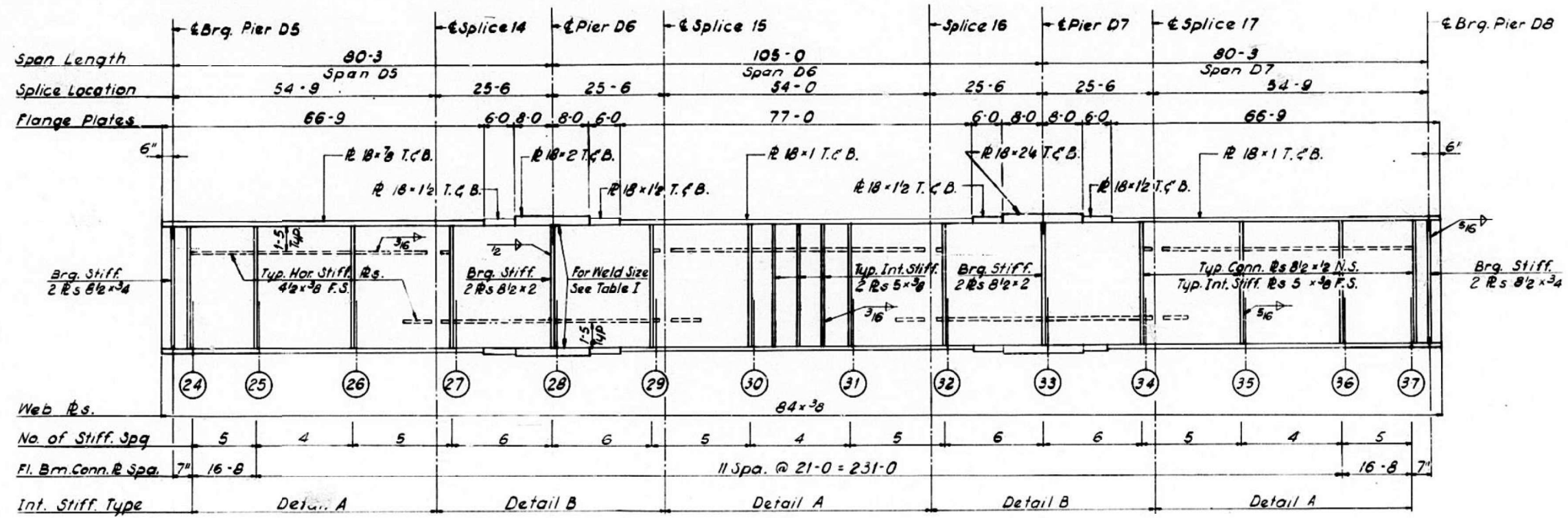
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDGS.
 DIVISION OF HIGHWAYS
 STRINGER AND FLOOR BEAM
 SCHEDULE
 SPANS D5 THRU D7
 POPLAR STREET BRIDGE APPROACHES
 ROADWAY "D"
 F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVBE-
 H. W. LOCHNER, INC.
 ENGINEERS
 CHICAGO, ILLINOIS

SHEET 214 OF 588

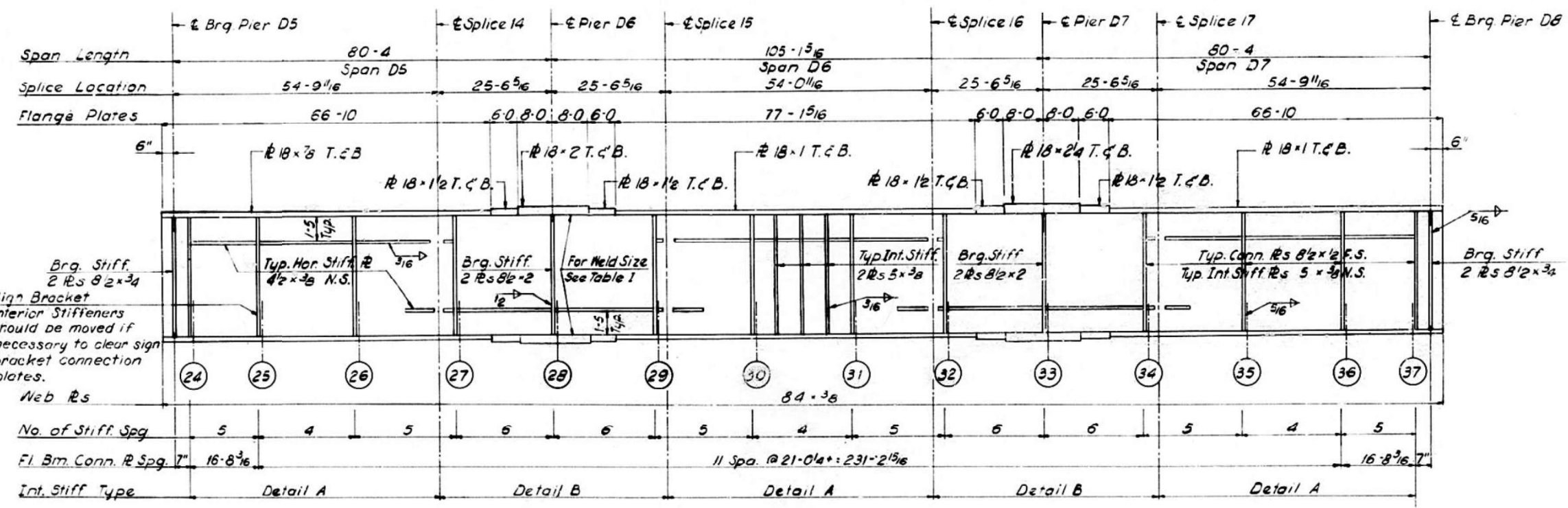
FOR INFORMATION ONLY

USER NAME = hughesrd	DESIGNED -	REVISED -	F.A.I. RTE. 70	SECTION 82-3HVBE-2R-2-1-BP-1	COUNTY ST. CLAIR	TOTAL SHEETS 29	SHEET NO. 14
DRAWN BY DGH	REVISIONS		CONTRACT NO. 76P64				
CHECKED BY A.A.			ILLINOIS FED. AID PROJECT				
APPROVED BY K.A.			SCALE: NTS SHEET 8 OF 23 SHEETS STA. TO STA.				
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			STRUCTURE DETAILS - 082-0144				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-3HVF & E-1	ST. CLAIR	247	86
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		



GIRDER D1
SPANS D5 THRU D7



GIRDER D2
SPANS D5 THRU D7

Notes:
All Longitudinal Dimensions shown are given along ϵ of Web. See Sh. No. 213
All Bearing Stiffeners and Connection Plates to be vertical.
For Splice, Stiffener, Connection Plate Details and Table I. See Sh. No's. 348, 349 and 350.
For Sign Bracket Detail see Sh. No. 360

DESIGNED BY A.T.
DRAWN BY I.M.
CHECKED BY E.L.
APPROVED BY R.A.

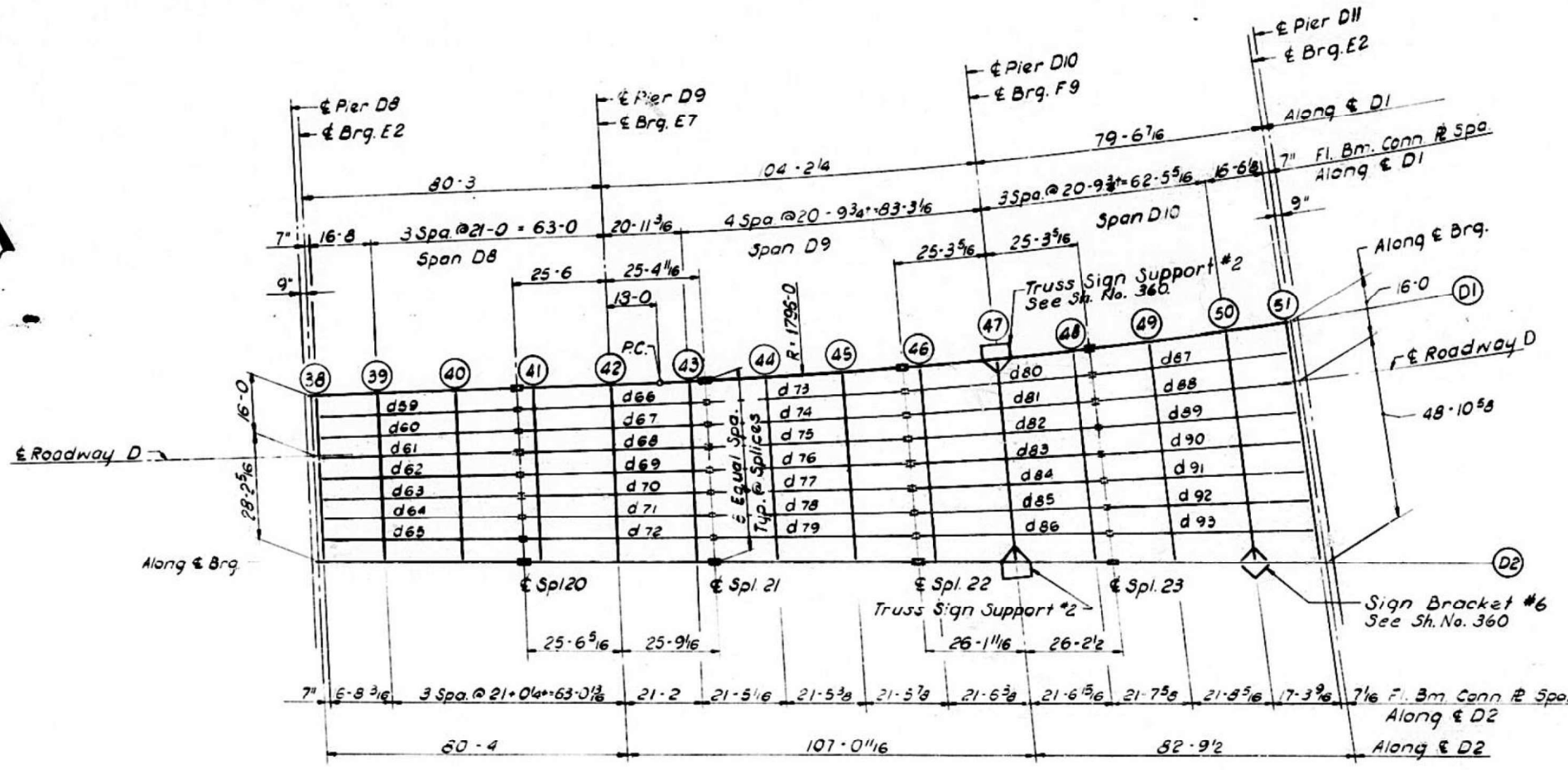
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
GIRDERS D1 AND D2
SPANS D5 THRU D7
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"
F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVF & E-1
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

USER NAME = hugesrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE DETAILS - 082-0144	F.A.I. RTE. 70	SECTION 82-3HVF-2R-2-1-BP-1	COUNTY ST. CLAIR	TOTAL SHEETS 29	SHEET NO. 16
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -	SCALE: NTS	SHEET 10 OF 23 SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 76P64	ILLINOIS	FED. AID PROJECT
PLOT DATE = 8/2/2021	CHECKED -	REVISED -							
	DATE -	REVISED -							

MODEL: I:\MODEL\NAMES
 FILE: NAME: 20210802\082-3HVF-2R-2-1-BP-1.dwg
 PROJECT: 082-3HVF-2R-2-1-BP-1
 OFFICE: ST. CLAIR
 DESIGNED BY: A.T.
 DRAWN BY: I.M.
 CHECKED BY: E.L.
 APPROVED BY: R.A.
 DATE: 8/2/2021

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-70	82-3HVFB-E-1	ST. CLAIR	247	27
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	



PLAN
SPANS D8 THRU D10

ELEVATION TOP OF GIRDERS

	GIR. D1	GIR. D2	DIFF.
CL. BRG.	446.700	446.976	.276
FLOOR BEAM 38	446.730	446.984	.254
FLOOR BEAM 39	446.711	447.220	.509
FLOOR BEAM 40	446.676	447.617	.941
SPLICE 20	446.640	447.730	1.101
FLOOR BEAM 41	446.641	447.610	1.177
FLOOR BEAM 42	446.606	448.138	1.529
FLOOR BEAM 43	446.571	448.484	1.903
SPLICE 21	446.584	448.923	1.980
FLOOR BEAM 44	446.536	448.880	2.344
FLOOR BEAM 45	446.501	449.154	2.653
SPLICE 22	446.473	449.433	2.960
FLOOR BEAM 46	446.460	449.447	2.987
FLOOR BEAM 47	446.500	449.910	3.410
FLOOR BEAM 48	446.645	449.573	2.928
SPLICE 23	446.682	449.586	2.904
FLOOR BEAM 49	446.744	449.580	2.836
FLOOR BEAM 50	446.840	449.544	2.704
FLOOR BEAM 51	446.935	449.525	2.590
CL. BRG.	446.936	449.524	2.588

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

BILL OF MATERIAL	
*Structural Steel	Lbs. 489,600

*Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel
Est. Wt. 11,170 Lbs.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS D8 THRU D10
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"

F.A.I. RT.70 ST. CLAIR CO. SECTION 82-3HVFB-E-1

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

SHEET
2170666

FOR INFORMATION ONLY

DESIGNED BY R.M.R.
DRAWN BY J.M.
CHECKED BY A.J.C.
APPROVED BY K.A.

USER NAME = hugesrd	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 40,0000 * / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 8/2/2021	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

SCALE: NTS SHEET 11 OF 23 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVFB-2R-2-1-BP-1	ST. CLAIR	29	17
				CONTRACT NO. 76P64
		ILLINOIS	FED. AID PROJECT	

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 OFFICE: CHICAGO
 DATE: 8/2/2021

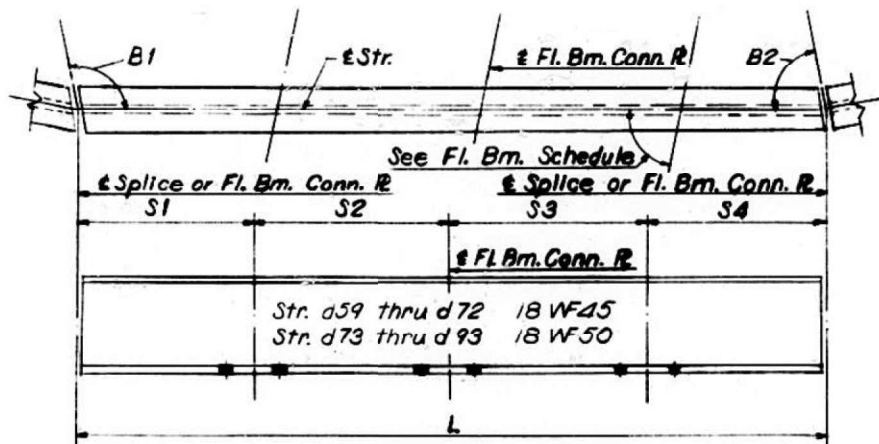
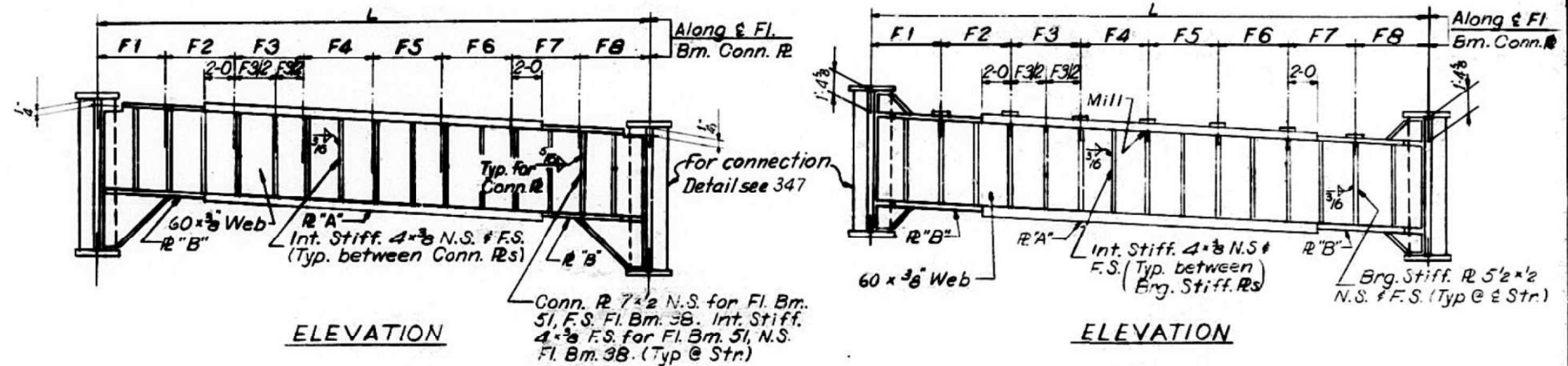
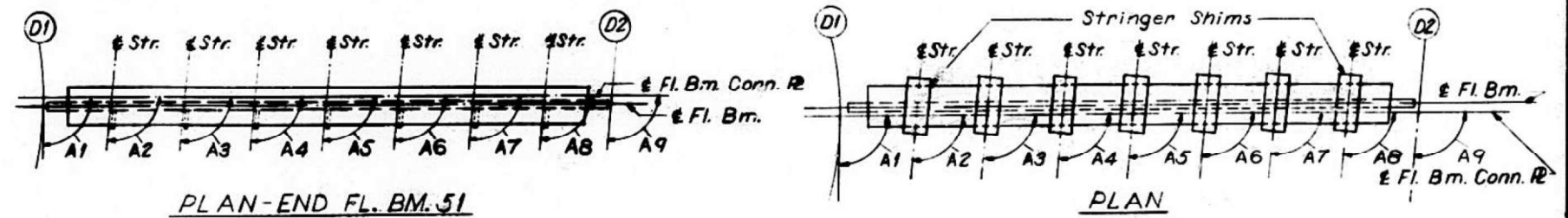
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 70	82-3HVFB	ST. CLAIR	297	88
FED. ROAD DIV. NO. 4		ILLINOIS PROJECT		

STRINGER DIMENSIONS

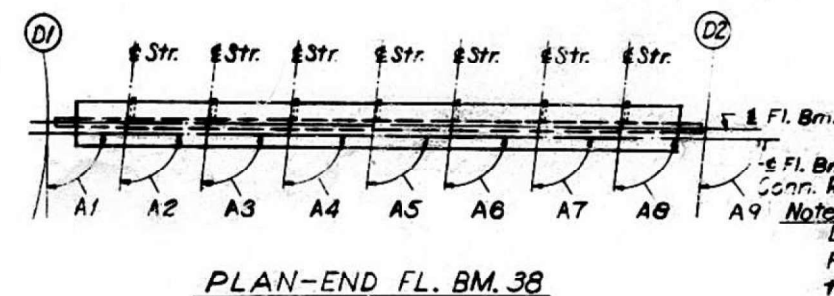
STRG	L	S1	S2	S3	S4	J1	B2
59	54'-2"	16'-8"		21'-0"	16'-6"	90.19.34	89.40.26
60	54 2 1/16	16 8		21	16 6	90.39.07	89.20.53
61	54 2 1/8	16 8		21 1/16	16 6	90.58.41	89.01.19
62	54 2 3/16	16 8 1/16		21 1/16	16 6 1/16	91.18.14	88.41.46
63	54 2 1/4	16 8 1/16		21 1/8	16 6 1/16	91.37.47	88.22.13
64	54 2 3/8	16 8 1/8		21 1/8	16 6 1/8	91.57.19	88.02.41
65	54 2 1/2	16 8 1/8		21 3/16	16 6 3/16	92.16.51	87.43.09
66	50 11 3/16	4 6	21	20 11 1/2	4 5 11/16	90.17.09	89.19.08
67	50 11 3/4	4 6	21	20 11 13/16	4 5 7/8	90.37.09	88.59.08
68	51 5/16	4 6	21 1/16	20 11 3/16	4 6 1/16	90.57.07	88.39.10
69	51 7/8	4 6	21 1/16	21 1/2	4 6 1/4	91.17.03	88.19.14
70	51 1 7/16	4 6	21 1/8	21 7/8	4 6 7/16	91.36.57	87.59.20
71	51 2 1/16	4 6	21 1/8	21 1 1/4	4 6 11/16	91.56.48	87.39.29
72	51 2 11/16	4 6 1/16	21 3/16	21 1 5/8	4 6 7/8	92.16.37	87.19.40
73	53 8 9/16	16 4 15/16	20 10 5/8		16 5	89.38.27	88.39.06
74	53 10 7/8	16 5 5/8	20 11 9/16		16 5 3/4	90.07.55	88.09.38
75	54 1 5/16	16 6 5/16	21 1/2		16 6 1/2	90.37.09	87.40.24
76	54 3 3/4	16 7	21 1 7/16		16 7 5/16	91.06.11	87.11.22
77	54 6 1/4	16 7 3/4	21 2 3/8		16 8 1/16	91.35.00	86.42.33
78	54 8 3/4	16 8 1/2	21 3 3/8		16 8 7/8	92.03.35	86.13.58
79	54 11 5/16	16 9 1/4	21 4 3/8		16 9 3/4	92.31.57	85.45.36
80	50 8 15/16	4 5 3/4	20 10 11/16	20 10 3/4	4 5 3/4	89.54.14	88.29.01
81	50 11 7/16	4 5 15/16	20 11 11/16	20 11 13/16	4 6	90.36.30	87.46.45
82	51 2	4 6 1/8	21 11/16	21 15/16	4 6 1/4	91.18.25	87.04.30
83	51 4 5/8	4 6 3/8	21 1 3/4	21 2 1/16	4 6 1/2	91.59.59	86.23.16
84	51 7 3/8	4 6 9/16	21 2 7/8	21 2 1/4	4 6 3/4	92.41.11	85.42.04
85	51 10 1/4	4 6 13/16	21 4	21 4 7/16	4 7	93.22.01	85.01.14
86	52 1 1/8	4 7 1/16	21 5 3/16	21 5 11/16	4 7 5/16	94.02.28	84.20.46
87	53 11	16 5 1/16	20 10 7/8		16 7 1/16	90.04.24	88.10.19
88	54 2 1/16	16 5 7/8	21		16 8 1/8	90.59.39	87.15.04
89	54 5 5/16	16 6 13/16	21 1 1/4		16 9 1/4	91.54.22	86.20.21
90	54 8 3/4	16 7 3/4	21 2 1/2		16 10 7/16	92.48.32	85.26.11
91	55 5/16	16 8 3/4	21 3 7/8		16 11 5/8	93.42.07	84.32.35
92	55 4	16 9 13/16	21 5 5/16		17 15/16	94.35.07	83.39.35
93	55 7 7/8	16 10 7/8	21 6 3/4		17 2 1/4	95.27.31	82.47.11

FLOOR BEAM DIMENSIONS

FL. BM	L	F1	F2	F3	F4	F5	F6	F7	F8	A1	A2	A3	A4	A5	A6	A7	A8	A9	PLATE A T&B	PLATE B T&B	
38	44'-2 11/16"	5'-6 5/16"	5'-6 5/16"	5'-6 5/16"	5'-6 5/16"	5'-6 5/16"	5'-6 5/16"	5'-6 5/16"	5'-6 5/16"	90.00.00	90.19.34	90.39.07	90.58.41	91.18.14	91.37.47	91.57.19	92.16.51	92.36.23	12x1	12x3/8	
39	44 11 3/4	5 7 1/2	5 7 1/2	5 7 1/2	5 7 1/2	5 7 1/2	5 7 1/2	5 7 1/2	5 7 1/2	90.00.00	90.19.34	90.39.07	90.58.41	91.18.14	91.37.47	91.57.19	92.16.51	92.36.23	12x1 3/8	12x3/8	
40	45 11 1/4	5 8 7/8	5 8 7/8	5 8 7/8	5 8 7/8	5 8 7/8	5 8 7/8	5 8 7/8	5 8 7/8	90.00.00	90.19.34	90.39.07	90.58.41	91.18.14	91.37.47	91.57.19	92.16.51	92.36.23	12x1 3/8	12x3/8	
41	46 10 11/16	5 10 5/16	5 10 3/8	5 10 3/8	5 10 3/8	5 10 5/16	5 10 5/16	5 10 5/16	5 10 5/16	90.00.00	90.17.09	90.37.09	90.57.07	91.17.03	91.36.57	91.56.48	92.16.37	92.36.23	12x1 3/8	12x3/8	
42	47 10 3/16	5 11 9/16	5 11 13/16	5 11 13/16	5 11 13/16	5 11 13/16	5 11 13/16	5 11 13/16	5 11 13/16	90.00.00	90.17.09	90.37.09	90.57.07	91.17.03	91.36.57	91.56.48	92.16.37	92.36.23	12x1 1/2	12x7/8	
43	48 9 15/16	6 1	6 1 1/4	6 1 1/4	6 1 1/4	6 1 1/4	6 1 1/4	6 1 1/4	6 1 1/4	90.00.00	90.32.20	90.52.20	91.12.18	91.32.14	91.52.07	92.11.59	92.31.47	92.51.34	12x1 1/2	12x7/8	
44	50 1/4	6 1 1/4	6 3 5/16	6 3 5/16	6 3 5/16	6 3 5/16	6 3 5/16	6 3 5/16	6 3 5/16	90.00.00	90.09.45	90.39.13	91.08.28	91.37.29	92.06.18	92.34.53	93.03.15	93.31.24	12x1 5/8	12x1	
45	51 5 9/16	6 3 7/16	6 5 7/16	6 5 7/16	6 5 7/16	6 5 7/16	6 5 7/16	6 5 7/16	6 5 7/16	90.00.00	90.49.36	91.19.03	91.48.18	92.17.20	92.46.08	93.14.44	93.43.06	94.11.15	12x1 5/8	12x1	
46	53 1 7/8	6 7 1/8	6 7 13/16	6 7 13/16	6 7 13/16	6 7 13/16	6 7 13/16	6 7 13/16	6 7 13/16	90.00.00	90.02.46	90.45.02	91.24.52	92.06.48	92.48.21	93.29.34	94.10.24	94.50.51	95.30.56	12x1 3/4	12x1 1/8
47	55 1 1/4	6 8 13/16	6 10 15/16	6 10 15/16	6 10 15/16	6 10 15/16	6 10 15/16	6 10 15/16	6 10 15/16	90.00.00	90.42.36	91.24.52	92.06.48	92.48.21	93.29.34	94.10.24	94.50.51	95.30.56	12x1 3/4	12x1 1/8	
48	57 3 5/8	7 1 3/8	7 2 1/16	7 2 1/16	7 2 1/16	7 2 1/16	7 2 1/16	7 2 1/16	7 2 1/16	90.00.00	91.22.27	92.04.43	92.46.38	93.28.12	94.09.24	94.50.14	95.30.42	96.10.46	12x2 1/8	12x1 1/2	
49	59 9 1/16	7 3 7/8	7 5 7/8	7 5 7/8	7 5 7/8	7 5 7/8	7 5 7/8	7 5 7/8	7 5 7/8	90.00.00	90.35.42	91.30.57	92.25.40	93.19.50	94.13.25	95.06.26	95.58.50	96.50.37	12x2 1/8	12x1 1/2	
50	62 5 9/16	7 7 15/16	7 9 15/16	7 9 15/16	7 9 15/16	7 9 15/16	7 9 15/16	7 9 15/16	7 9 15/16	90.00.00	91.15.32	92.10.47	93.05.30	93.59.40	94.53.16	95.46.16	96.38.40	97.30.27	12x2 1/8	12x1 1/2	
51	64 9 5/8	8 1 3/16	8 1 3/16	8 1 3/16	8 1 3/16	8 1 3/16	8 1 3/16	8 1 3/16	8 1 3/16	90.02.33	91.49.41	92.44.56	93.39.39	94.33.49	95.27.25	96.20.25	97.12.49	98.04.36	12x1 3/8	12x1	



TYPICAL STRINGER



END FLOOR BEAM 38 AND 51

Note:
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 Intermediate Stiffener, Erg. Stiffener and Connection Plate Details see Sheet No. 348

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
STRINGER AND FLOOR BEAM
SCHEDULE
SPANS D8 THRU D10
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"
F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVFB
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

DESIGNED BY A.T.E.A.J.C.
DRAWN BY D.C.H.
CHECKED BY A.A.
APPROVED BY K.A.

USER NAME = hugesrd	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2021	CHECKED -	REVISED -
	DATE -	REVISED -

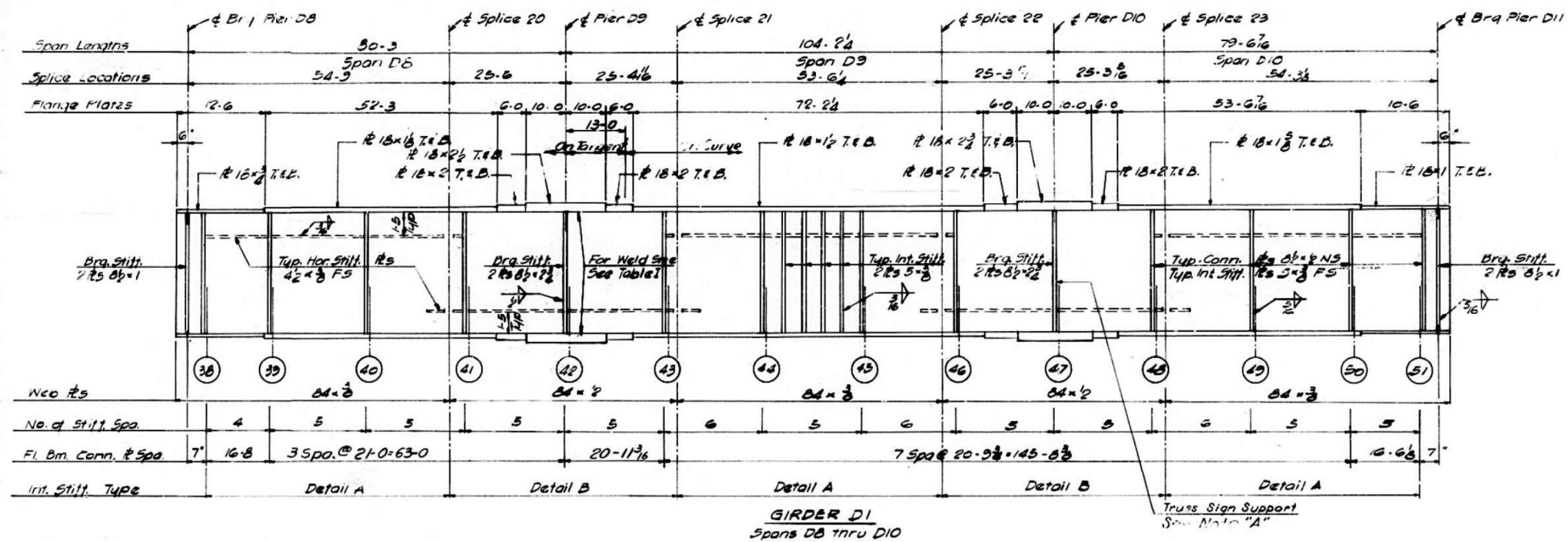
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

SCALE: NTS SHEET 12 OF 23 SHEETS STA. TO STA.

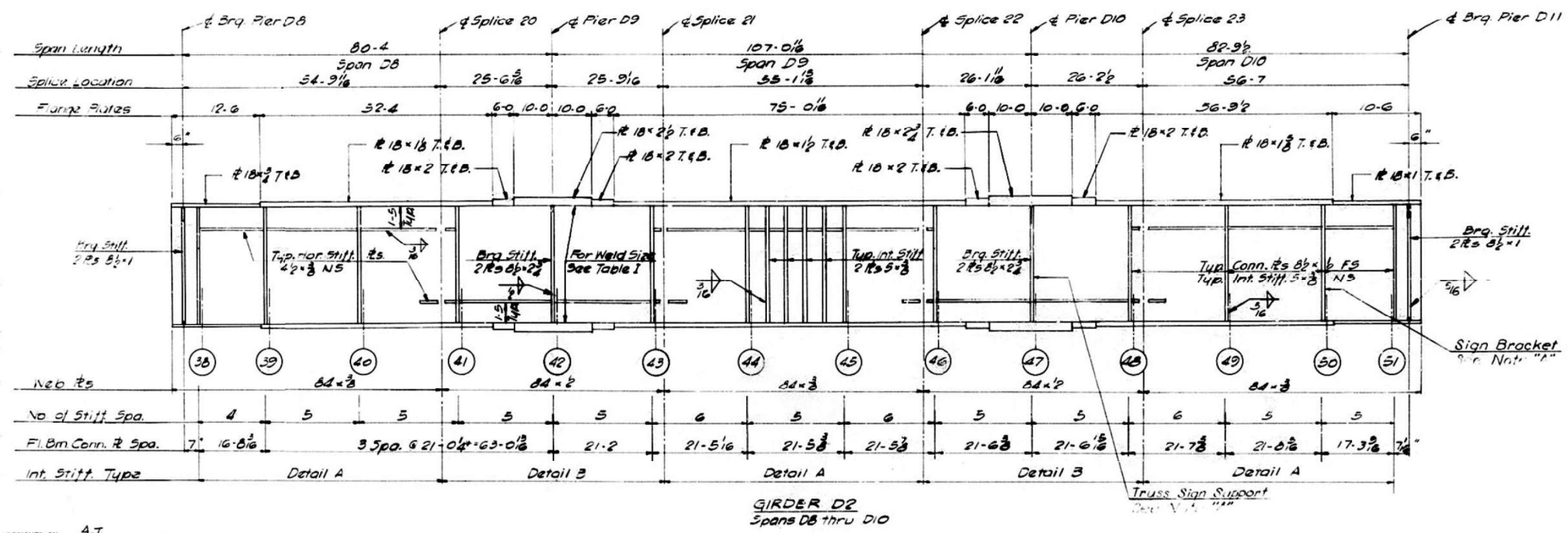
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVFB-2R-2-1-BP-1	ST. CLAIR	29	18
CONTRACT NO. 76P64				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-3HVF & E-1	ST. CLAIR	247	90
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	



Note "A"
Interior Stiffeners should be moved if necessary to clear sign bracket Connection Plates.

Notes:
All Longitudinal Dimensions shown are given along & of Web. See Sh. No. 217
All Bearing Stiffeners and Connection Plates to be vertical.
For Splice, Stiffener, Connection Plate Details, and Table I see Sh. No. 348, 349 and 350.
For Sign Bracket and Truss Sign Support Details see Sh. No. 360.



DESIGNED BY: A.T.
DRAWN BY: K.
CHECKED BY: K.A.
APPROVED BY: K.A.

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

GIRDERS D1 AND D2
SPANS D8 THRU D10
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"

F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVF & E-1

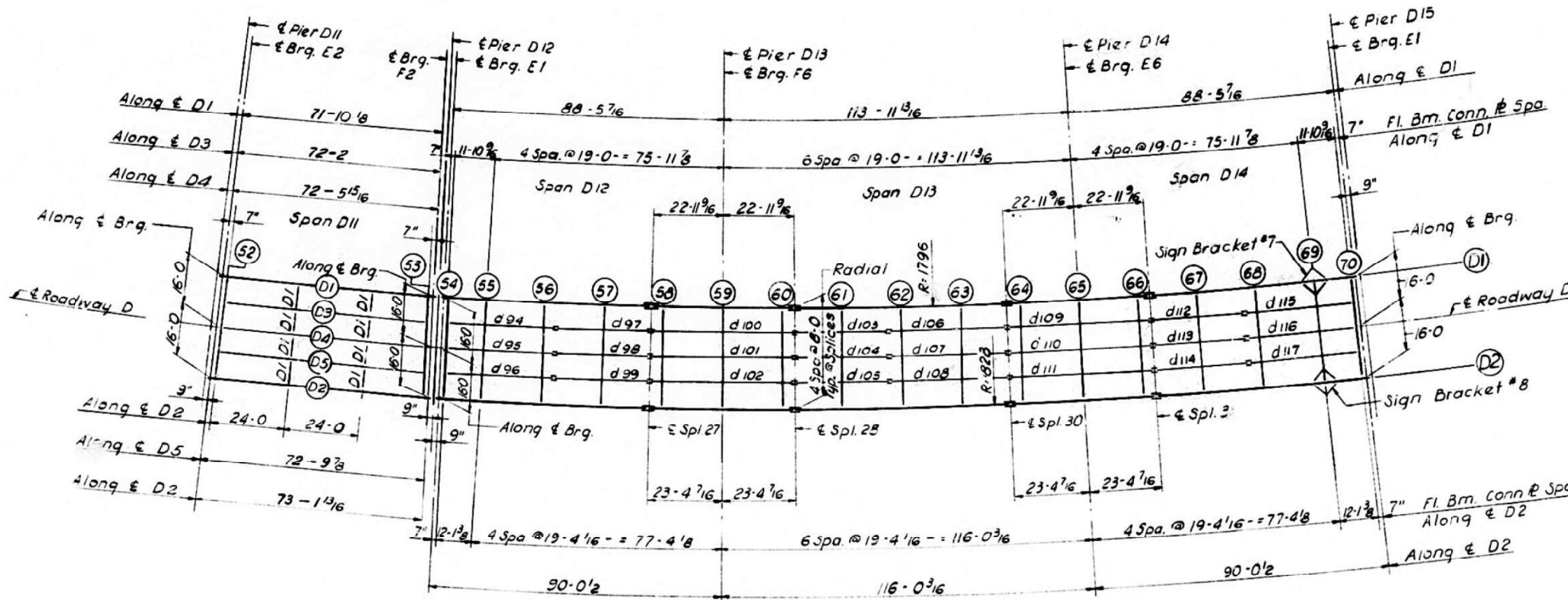
N. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
2200P 526

FOR INFORMATION ONLY

USER NAME = hughesrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE DETAILS - 082-0144	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40,0000 * 1/4"	DRAWN -	REVISED -			70	82-3HVF-2R-2-1-BP-1	ST. CLAIR	29	20
PLOT DATE = 8/2/2021	CHECKED -	REVISED -			CONTRACT NO. 76P64				
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-70	82-3HVFBE-1	ST. CLAIR	277	91
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	



PLAN
SPANS D11 THRU D14

ELEVATION TOP OF FLANGE

	STR.D1	STR.D2	DIFF.
CL. BRG.	447.151	449.661	2.510
FLOOR BEAM 52	447.154	449.665	2.511
FLOOR BEAM 53	447.511	450.071	2.560
CL. BRG.	447.514	450.074	2.560

ELEVATION TOP OF GIRDER WEB

	G1R. D1	G1R. D2	DIFF.		G1R. D1	G1R. D2	DIFF.
CL. BRG.	447.313	449.873	2.560	FLOOR BEAM 63	448.880	450.850	2.560
FLOOR BEAM 54	447.316	449.876	2.560	SPLICE 30	448.182	450.772	2.590
FLOOR BEAM 55	447.376	449.936	2.560	FLOOR BEAM 64	449.174	450.734	2.560
FLOOR BEAM 56	447.472	450.002	2.560	FLOOR BEAM 65	449.276	450.786	2.560
FLOOR BEAM 57	447.587	450.127	2.560	FLOOR BEAM 66	449.279	450.839	2.560
SPLICE 27	447.643	450.203	2.560	SPLICE 31	448.290	450.800	2.560
FLOOR BEAM 58	447.663	450.223	2.560	FLOOR BEAM 67	448.310	450.870	2.560
FLOOR BEAM 59	447.759	450.319	2.560	FLOOR BEAM 68	448.336	450.896	2.560
FLOOR BEAM 60	447.855	450.415	2.560	FLOOR BEAM 69	448.382	450.922	2.560
SPLICE 28	447.875	450.435	2.560	FLOOR BEAM 70	448.379	450.930	2.560
FLOOR BEAM 61	447.930	450.490	2.560	CL. BRG.	448.379	450.930	2.560
FLOOR BEAM 62	448.019	450.579	2.560				

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

BILL OF MATERIAL		
*Structural Steel	Lbs.	460,100

*Weight of Bearing Assemblies with Lead Plates and Anchor Bolts are Included as Structural Steel
Est. Wt. 11,270 lbs.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS D11 THRU D14
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"

F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVFBE-1
M. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
277 OF 277

FOR INFORMATION ONLY

DESIGNED BY R.M.R.
DRAWN BY I.M.
CHECKED BY A.J.C.
APPROVED BY K.A.

USER NAME = hughesrd	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 40,0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 8/2/2021	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

SCALE: NTS SHEET 15 OF 23 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	21
CONTRACT NO. 76P64				
ILLINOIS FED. AID PROJECT				

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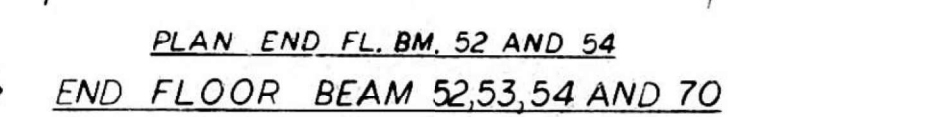
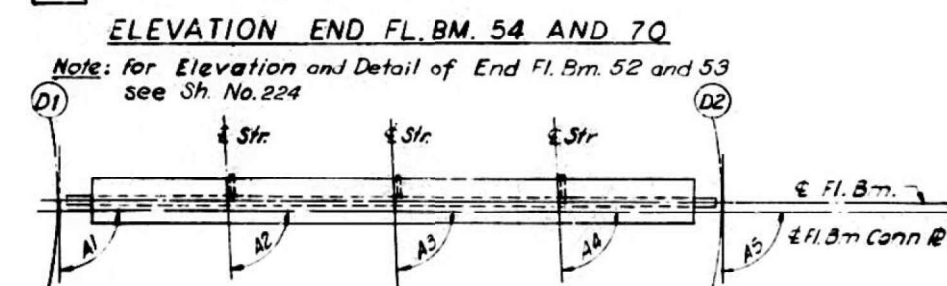
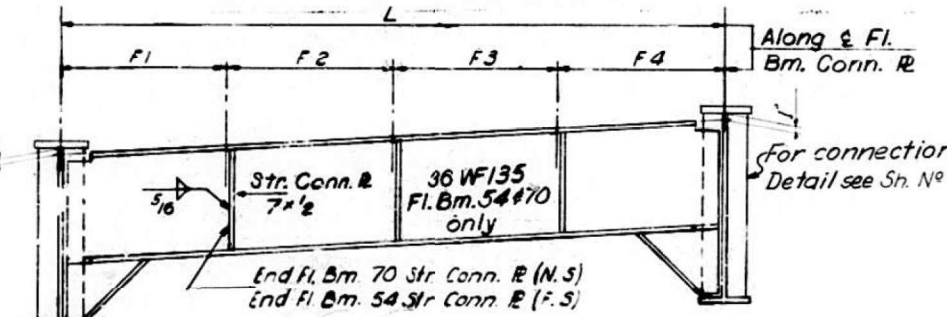
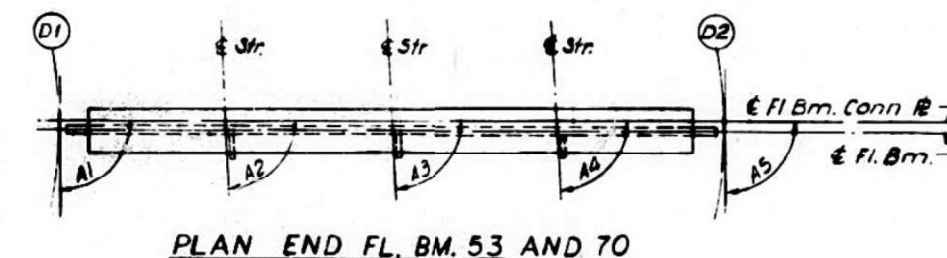
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 70	82-3HVFB-1	ST. CLAIR	247	92
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		

STRINGER DIMENSIONS

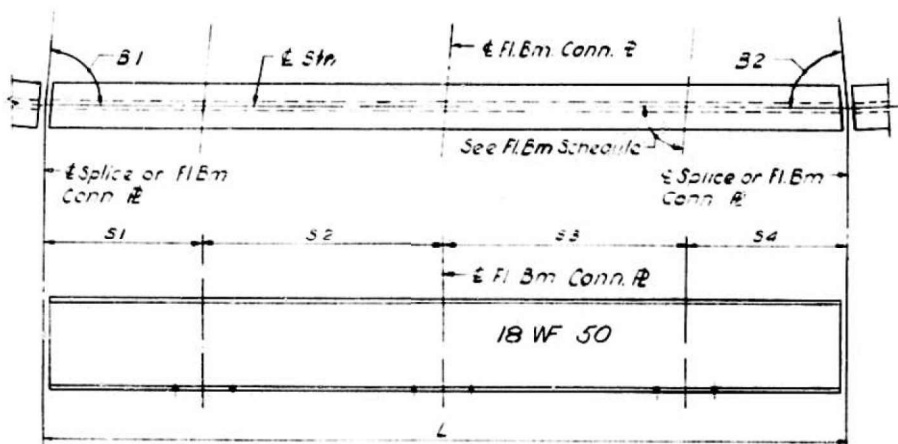
STR	L	S1	S2	S3	S4	B1	B2
94	35 1/15	11 11 1/4		19 1	3 11 13/16	89,24,06	89,26,39
95	35 2	12		19 2	4	89,24,07	89,26,38
96	35 3 15/16	12 11/16		19 3	4 3/16	89,24,07	89,26,38
97	30 2 3/8	15 1 3/16			15 1 3/16	89,31,14	89,31,14
98	30 4	15 2			15 2	89,31,14	89,31,14
99	30 5 5/8	15 2 13/16			15 2 13/16	89,31,14	89,31,14
100	46 1 1/2	3 11 13/16	19 1	19 1	3 11 13/16	89,16,03	89,16,03
101	46 4	4	19 2	19 2	4	89,16,03	89,16,03
102	46 6 7/16	4 3/16	19 3	19 3	4 3/16	89,16,03	89,16,03
103	30 2 3/8	15 1 3/16			15 1 3/16	89,31,14	89,31,14
104	30 4	15 2			15 2	89,31,14	89,31,14
105	30 5 5/8	15 2 13/16			15 2 13/16	89,31,14	89,31,14
106	38 1 15/16	3 11 13/16	19 1		15 1 3/16	89,23,38	89,23,38
107	38 4	4	19 2		15 2	89,23,38	89,23,38
108	38 6	4 3/16	19 3		15 2 13/16	89,23,38	89,23,38
109	46 1 1/2	3 11 13/16	19 1	19 1	3 11 13/16	89,16,03	89,16,03
110	46 4	4	19 2	19 2	4	89,16,03	89,16,03
111	46 6 7/16	4 3/16	19 3	19 3	4 3/16	89,16,03	89,16,03
112	30 2 3/8	15 1 3/16			15 1 3/16	89,31,14	89,31,14
113	30 4	15 2			15 2	89,31,14	89,31,14
114	30 5 5/8	15 2 13/16			15 2 13/16	89,31,14	89,31,14
115	35 1/16	3 11 13/16	19 1		11 11 1/4	89,26,39	89,24,06
116	35 2	4	19 2		12	89,26,38	89,24,07
117	35 3 15/16	4 3/16	19 3		12 11/16	89,26,38	89,24,07

FLOOR BEAM DIMENSIONS

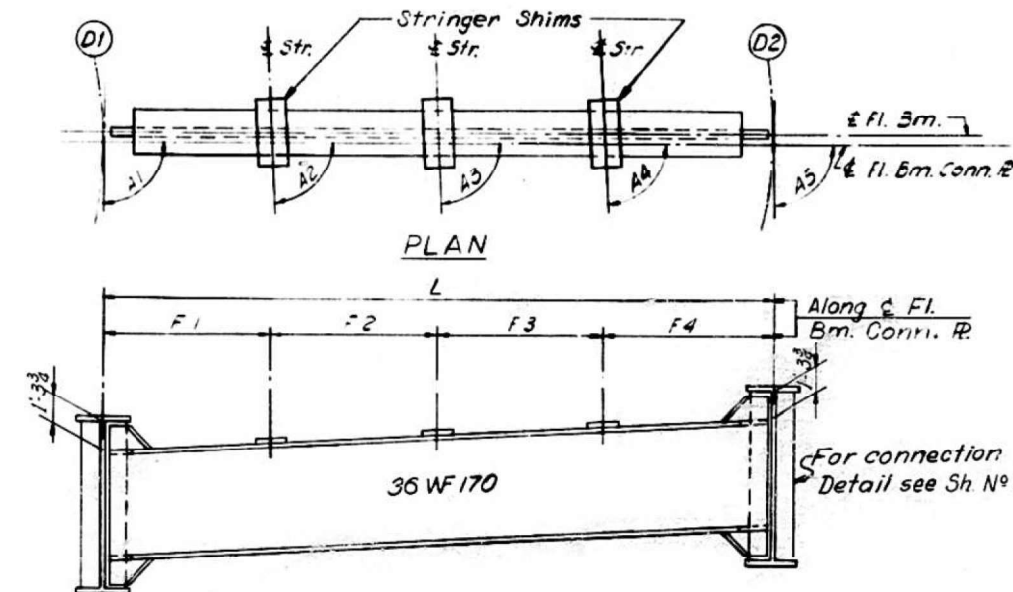
FL. BM	L	F1	F2	F3	F4	A1	A2	A3	A4	A5
52	32	0'	0'	0'	0'	89,49,48	89,49,48	89,49,48	89,49,48	89,49,48
53	32	0	0	0	0	91,10,12	91,10,12	91,10,12	91,10,12	91,10,12
54	32	8	8	8	8	89,57,27	89,24,06	89,24,07	89,24,07	89,57,29
55	32	7 11 1/16	8	8	8 15/16	90,00,00	89,48,24	89,48,24	89,48,25	90,00,00
56	32	7 11 9/16	8	8	8 7/16	90,00,00	90,25,46	90,25,46	90,25,47	90,00,00
57	32	7 11 1/4	8	8	8 3/4	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
58	32	7 11 7/16	8	8	8 9/16	90,00,00	89,23,38	89,23,38	89,23,38	90,00,00
59	32	7 10 1/4	8	8	8 1 13/16	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
60	32	7 11 7/16	8	8	8 9/16	90,00,00	90,36,22	90,36,22	90,36,22	90,00,00
61	32	7 11 1/4	8	8	8 3/4	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
62	32	7 11 9/16	8	8	8 7/16	90,00,00	89,31,14	89,31,14	89,31,14	90,00,00
63	32	7 10 13/16	8	8	8 1 3/16	90,00,00	90,07,35	90,07,35	90,07,35	90,00,00
64	32	7 11 7/16	8	8	8 9/16	90,00,00	89,23,38	89,23,38	89,23,38	90,00,00
65	32	7 10 1/4	8	8	8 1 13/16	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
66	32	7 11 7/16	8	8	8 9/16	90,00,00	90,36,22	90,36,22	90,36,22	90,00,00
67	32	7 11 1/4	8	8	8 3/4	90,00,00	90,00,00	90,00,00	90,00,00	90,00,00
68	32	7 11 9/16	8	8	8 7/16	90,00,00	89,34,14	89,34,14	89,34,13	90,00,00
69	32	7 11 1/16	8	8	8 15/16	90,00,00	90,10,38	90,10,38	90,10,35	90,00,00
70	32	8	8	8	8	90,02,33	90,35,54	90,35,53	90,35,53	90,02,31



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 Details of Stringers in Span D11 see Sh. No. 224
 For Connection Plate Details see Sh. No. 348



TYPICAL STRINGER



ELEVATION INTERIOR FLOOR BEAM 55 THRU 69

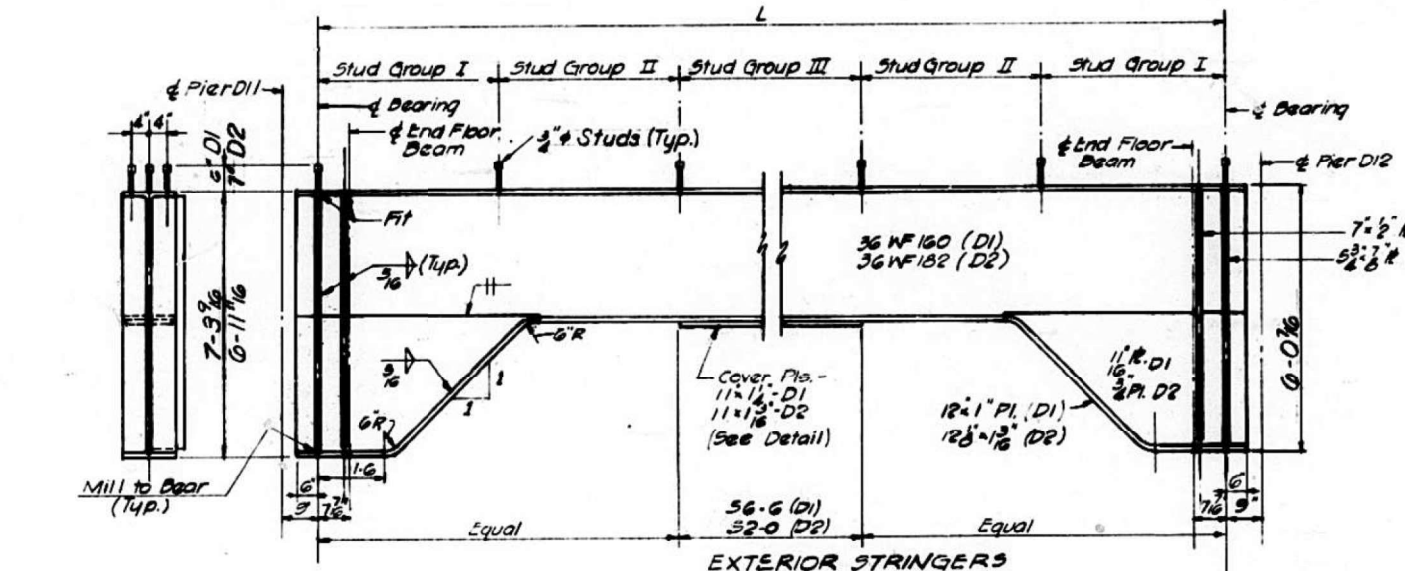
DESIGNED BY A.T. GAJIC
 DRAWN BY I.M.
 CHECKED BY A.A.
 APPROVED BY K.A.

FOR INFORMATION ONLY

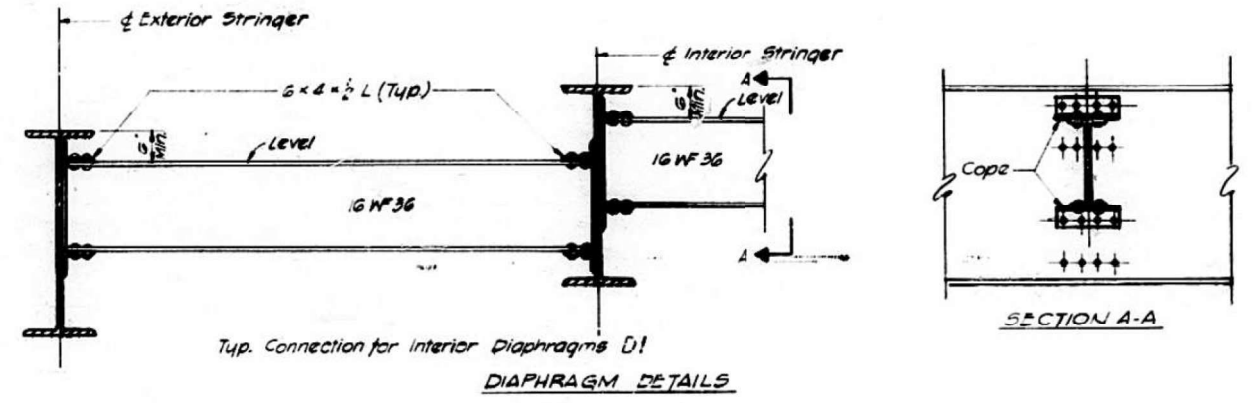
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDGS.
 DIVISION OF HIGHWAYS
 STRINGER AND FLOOR BEAM
 SCHEDULE
 SPANS D11 THRU D14
 POPLAR STREET BRIDGE APPROACHES
 ROADWAY "D"
 F.A.I. RT 70 ST. CLAIR CO. SECTION 82-3HVFB-1
 H. W. LOCHNER, INC.
 ENGINEERS
 CHICAGO, ILLINOIS

USER NAME = hughesrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE DETAILS - 082-0144	F.A.I. RTE. 70	SECTION 82-3HVFB-2R-2-1-BP-1	COUNTY ST. CLAIR	TOTAL SHEETS 29	SHEET NO. 22
PLOT SCALE = 40,0000 * 1/ in.	CHECKED -	REVISED -	SCALE: NTS	SHEET 16 OF 23 SHEETS	STA. _____	TO STA. _____	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76P64
PLOT DATE = 8/2/2021	DATE -	REVISED -							

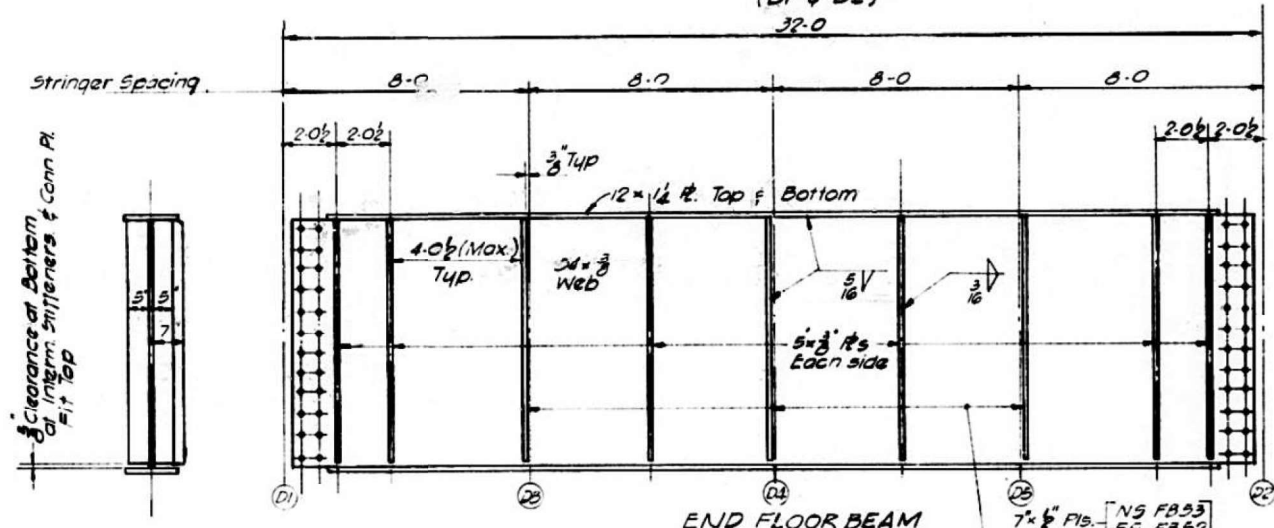
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-3HVB-E-1	ST. CLAIR	217	94
FED. ROAD DIV. NO. 4	ILLINOIS PROJECT			



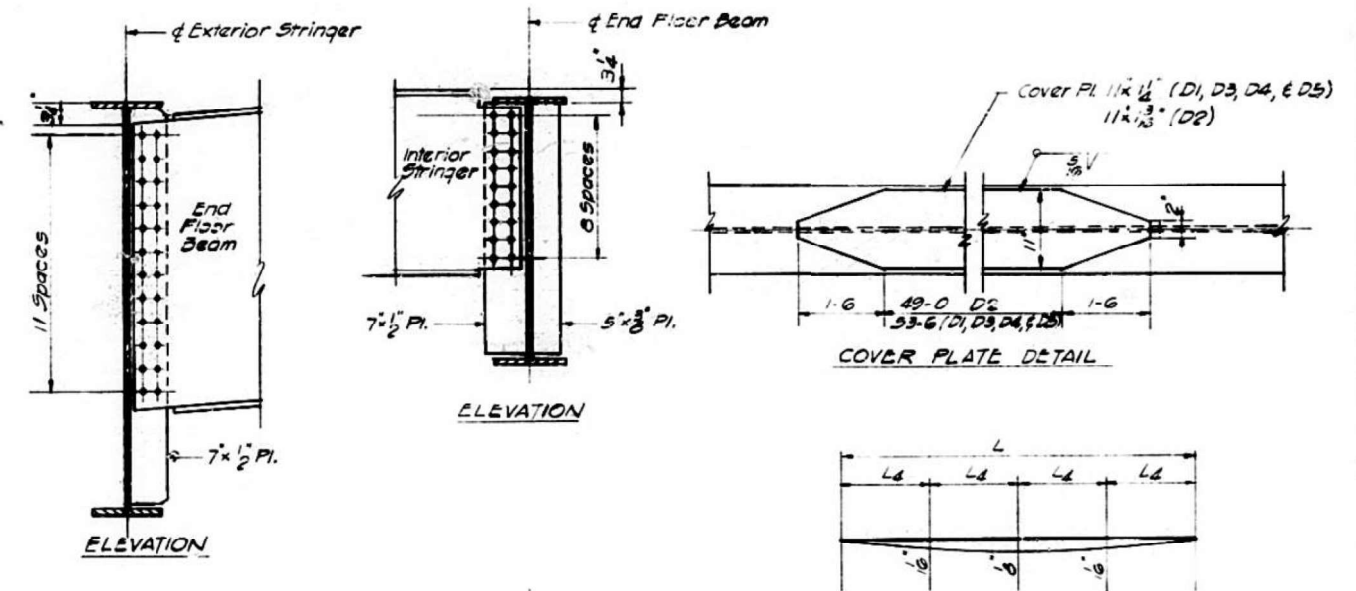
EXTERIOR STRINGERS
(D1 & D2)



DIAPHRAGM DETAILS

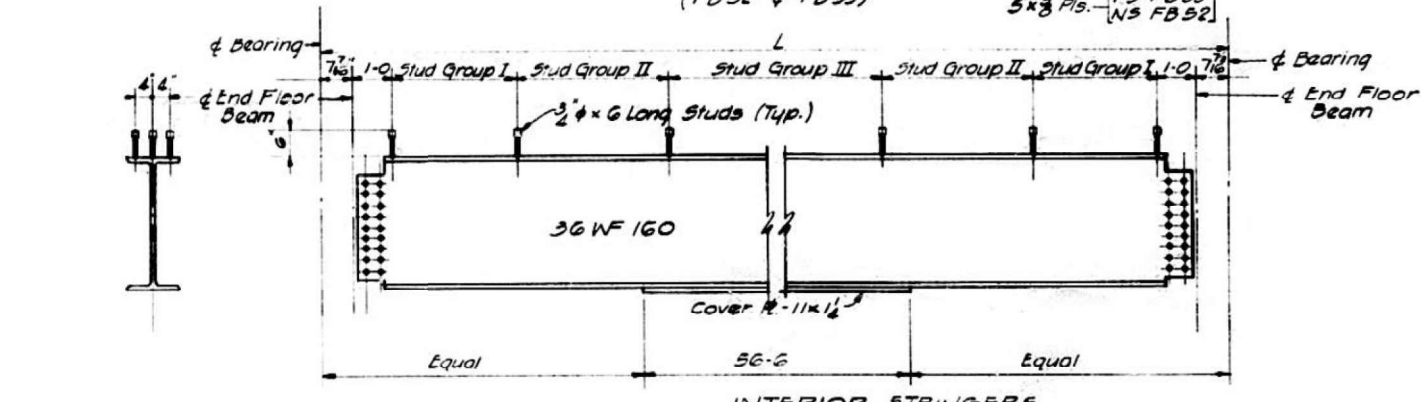


END FLOOR BEAM
(FB 52 & FB 53)

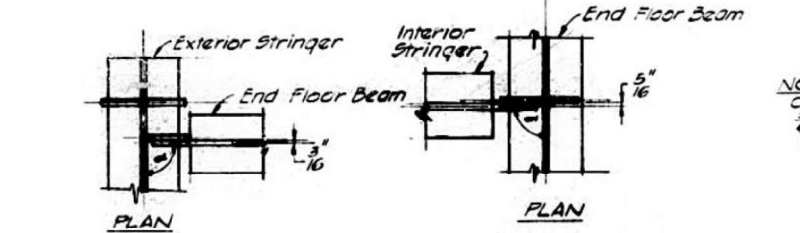


ELEVATION

COVER PLATE DETAIL



INTERIOR STRINGERS
(D3 thru D5)



END FLOOR BEAM TO EXTERIOR STRINGER CONNECTION **INTERIOR STRINGER TO END FLOOR BEAM CONNECTION**
NOTE: For Angle = see End Floor Beam Schedule Sheet No 222

DEAD LOAD DEFLECTION DIAGRAM FOR END FLOOR BEAM
(WT. of Concrete Only)

NOTE: Clip all stiffeners and connection plates 1/4" at corners to clear welding of flange to web and to clear beam fillets.

NOTES:
For Framing Plan see Sheet No 221

STRINGER	LENGTH	GROUP I	GROUP II	GROUP III
D1	71-10 1/2	36@4 1/2	28@6 1/2	20@9 1/2
D3	72-2	32@4 1/2	28@6 1/2	20@9 1/2
D4	72-5 1/2	32@4 1/2	30@6 1/2	18@9 1/2
D5	72-5 1/2	32@4 1/2	30@6 1/2	18@9 1/2
D2	73-1 1/2	36@4 1/2	28@6 1/2	20@9 1/2

DESIGNED BY: H.J.
DRAWN BY: J.P.
CHECKED BY: L.W.
APPROVED BY: K.A.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
STEEL DETAILS
SPAN DII
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"
F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVB-E-1
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

FOR INFORMATION ONLY

USER NAME = hughesrd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 8/2/2021	DATE -	REVISED -

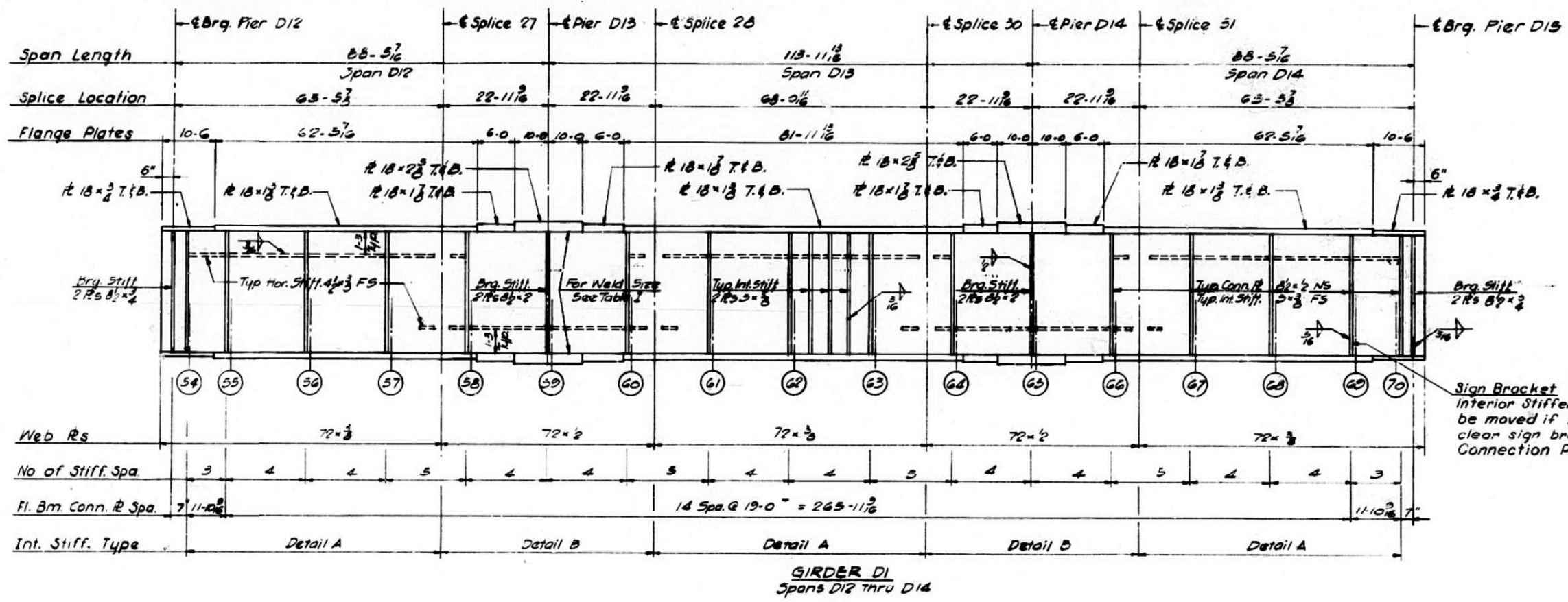
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

SCALE: NTS SHEET 18 OF 23 SHEETS STA. TO STA.

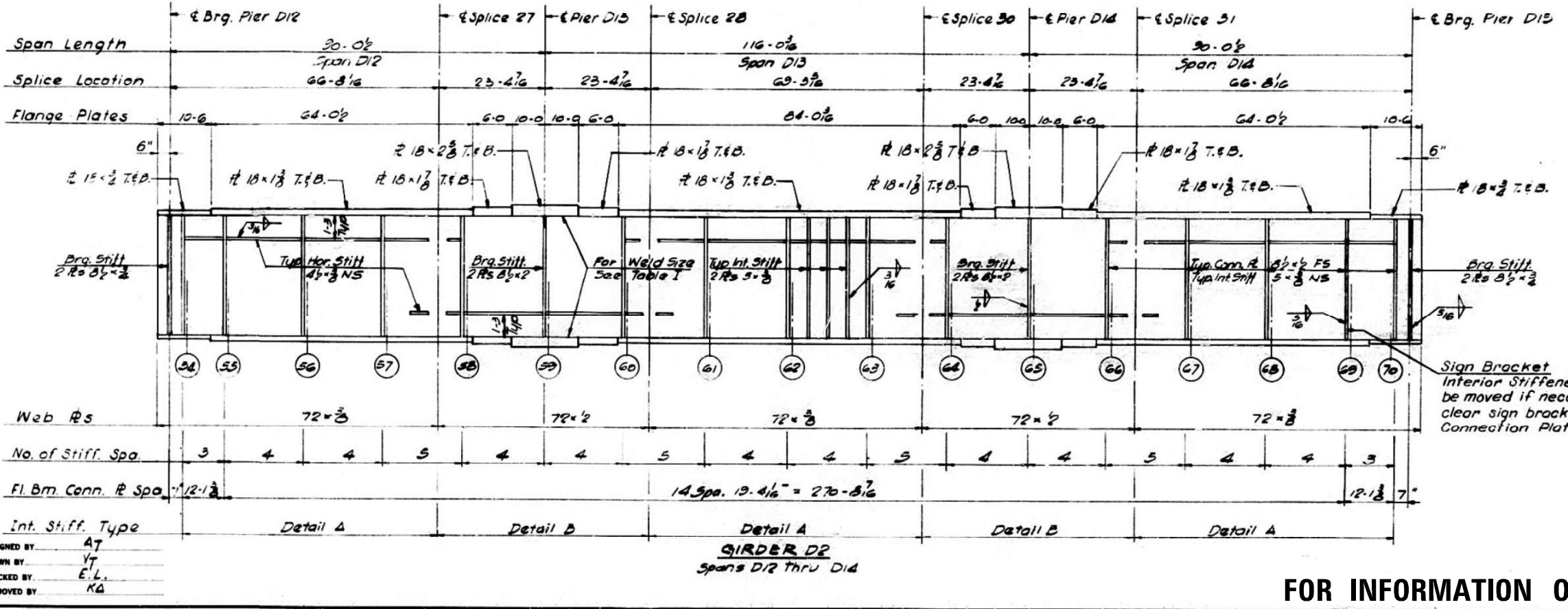
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	24
			CONTRACT NO. 76P64	
			ILLINOIS FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-3HVF & E-1	ST. CLAIR	247	95
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	



Sign Bracket
Interior Stiffeners should be moved if necessary to clear sign bracket Connection Plates.

Notes:
All Longitudinal Dimensions shown are given along & of Web. See Sh. No. 221
All Bearing Stiffeners and Connection Plates to be vertical.
For Splice, Stiffener, Connection Plate Details, and Table I see Sh. No. 348, 349 and 350.
For Sign Bracket Detail see Sh. No. 360.



Sign Bracket
Interior Stiffeners should be moved if necessary to clear sign bracket Connection Plates.

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

GIRDERS D1 AND D2
SPANS D12 THRU D14
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"

F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVF & E-1

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

SHEET
25 of 50

FOR INFORMATION ONLY

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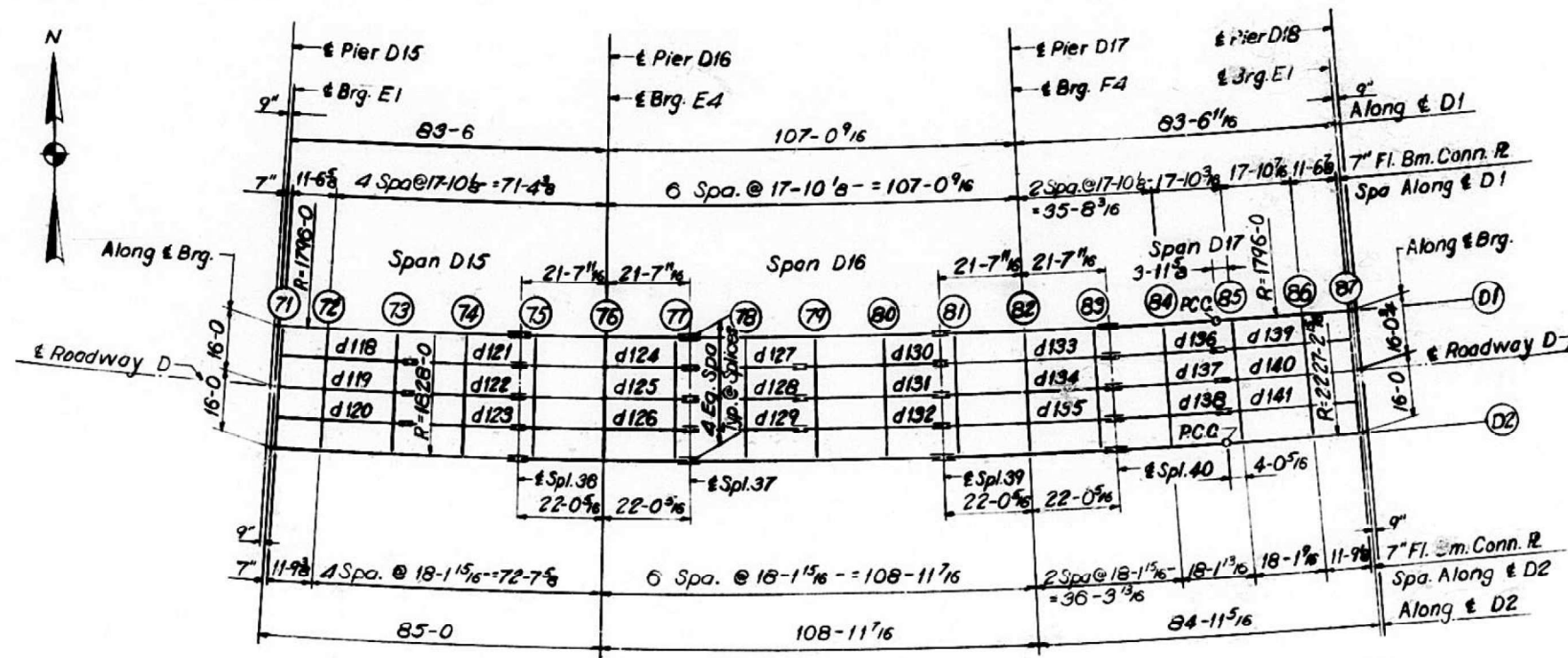
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/2/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144	
SCALE: NTS	SHEET 19 OF 23 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	25
				CONTRACT NO. 76P64
				ILLINOIS FED. AID PROJECT

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 70	82-3HVB-E-1	ST. CLAIR	217	26
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	



PLAN
SPANS D15 THRU D17

ELEVATION TOP OF GIRDER WEB

	GIR. D1	GIR. D2	DIFF.
CL. BRG.	448.380	480.840	2.560
FLOOR BEAM 71	448.379	480.839	2.560
FLOOR BEAM 72	448.376	480.836	2.560
FLOOR BEAM 73	448.371	480.831	2.560
FLOOR BEAM 74	448.365	480.825	2.560
SPLICE 36	448.361	480.821	2.560
FLOOR BEAM 75	448.355	480.815	2.560
FLOOR BEAM 76	448.325	480.885	2.560
FLOOR BEAM 77	448.296	480.856	2.560
SPLICE 37	448.290	480.850	2.560
FLOOR BEAM 78	448.248	480.808	2.560
FLOOR BEAM 79	448.194	480.754	2.560
FLOOR BEAM 80	448.141	480.701	2.560
SPLICE 38	448.088	480.648	2.560
FLOOR BEAM 81	448.082	480.642	2.560
FLOOR BEAM 82	448.084	480.644	2.560
FLOOR BEAM 83	447.925	480.485	2.560
SPLICE 40	447.910	480.470	2.560
FLOOR BEAM 84	447.866	480.426	2.505
FLOOR BEAM 85	447.810	480.370	2.437
FLOOR BEAM 86	447.754	480.314	2.368
FLOOR BEAM 87	447.718	480.278	2.323
CL. BRG.	447.716	480.276	2.321

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

BILL OF MATERIAL	
*Structural Steel	Lbs. 324,670

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

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
SPANS D15 THRU D17
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"

F.A.I. RT.70 ST. CLAIR CO. SECTION 82-3HVB-E-1

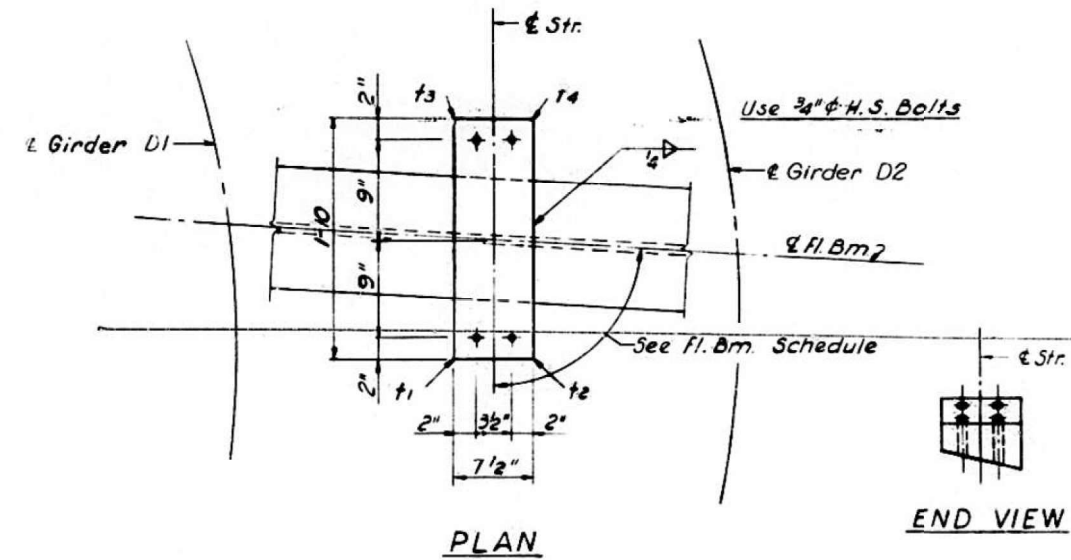
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
226 of 226

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

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-70	82-3HVF8E-1	ST. CLAIR	247	98
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	



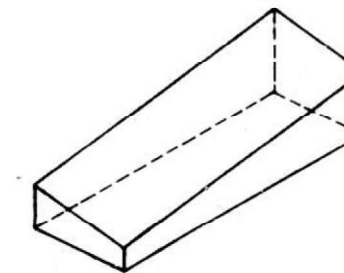
FLOOR BEAM 72 THRU 74	T1	T2	T3	T4
STR. 118 THRU 123	1 1/16	7/16	1 1/16	7/16

FLOOR BEAM 75 THRU 77	T1	T2	T3	T4
STR. 124 THRU 126	1 1/16	7/16	1 1/16	7/16

FLOOR BEAM 78 THRU 80	T1	T2	T3	T4
STR. 127 THRU 132	1 1/16	1/2	1	7/16

FLOOR BEAM 81 THRU 83	T1	T2	T3	T4
STR. 133 THRU 135	1 1/8	1/2	1	3/8

FLOOR BEAM 84 THRU 88	T1	T2	T3	T4
STR. 136 THRU 141	1 1/16	1/2	1	7/16



ISOMETRIC VIEW



SIDE VIEW

SHIM DETAIL

Shim thickness t_1 , t_2 , t_3 & t_4 shown in the Table are orientated with the Plan View shown above.

DESIGNED BY *A.J.C.*
 DRAWN BY *D.C.H.*
 CHECKED BY *A.S.*
 APPROVED BY *K.A.*

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

STRINGER SHIMS
 SPANS D15 THRU D17
 POPLAR STREET BRIDGE APPROACHES
 ROADWAY "D"

F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVF8E-1

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

SHEET
 228 of 526

FOR INFORMATION ONLY

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USER NAME = hughesrd	DESIGNED - _____	REVISED - _____
PLOT SCALE = 40,0000 * / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 8/2/2021	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

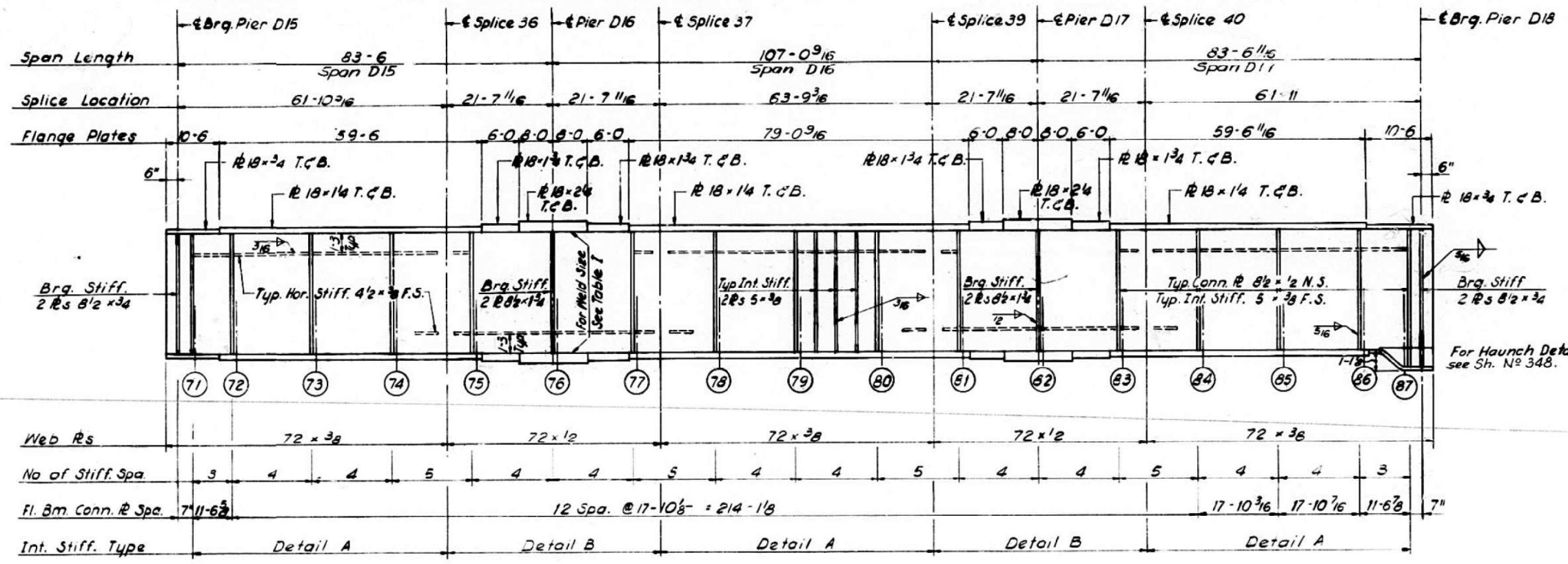
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144

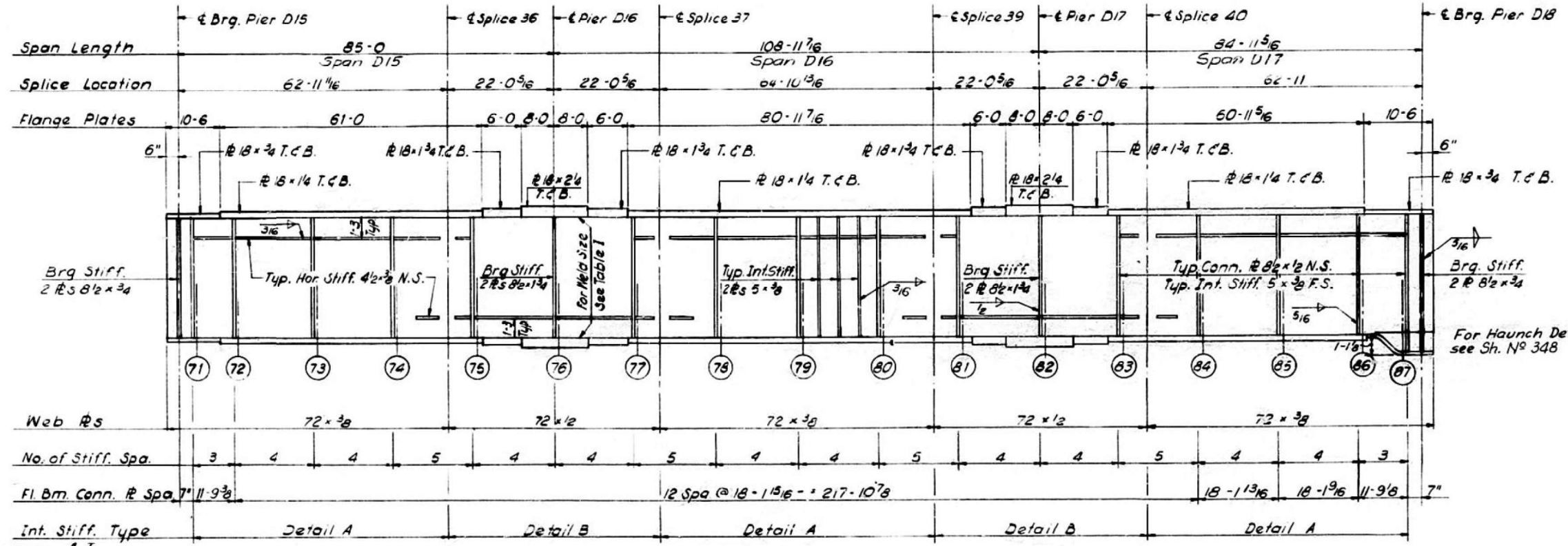
SCALE: NTS SHEET 22 OF 23 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-1-BP-1	ST. CLAIR	29	28
				CONTRACT NO. 76P64
				ILLINOIS FED. AID PROJECT

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-3HVF & E-1	ST. CLAIR	247	99
FED. ROAD DIV. NO. 4	ILLINOIS PROJECT			



GIRDER D1
SPANS D15 THRU D17



GIRDER D2
SPANS D15 THRU D17

Notes
All Longitudinal Dimensions shown are given along ϵ of Web. See Sh. No. 226.
All Bearing Stiffeners and Connection Plates to be vertical.
For Splice, Stiffener, Connection Plate Details and Table I see Sh. No. 348, 349 and 350.

DESIGNED BY A.T.
DRAWN BY I.M.
CHECKED BY F.L.
APPROVED BY K.A.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
GIRDERS D1 AND D2
SPANS D15 THRU D17
POPLAR STREET BRIDGE APPROACHES
ROADWAY "D"
F.A.I. RT. 70 ST. CLAIR CO. SECTION 82-3HVF & E-1
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
229 of 230

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USER NAME	DESIGNED	REVISIONS
hughesrd	-	-
	-	-
	-	-
	-	-
	-	-
	-	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS - 082-0144
SCALE: NTS SHEET 23 OF 23 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVF-2R-2-1-BP-1	ST. CLAIR	29	29
CONTRACT NO. 76P64				
ILLINOIS FED. AID PROJECT				