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HIGHWAY STANDARDS

000001-06	701428-01
001001-02	701456-04
001006	701501-06
701006-05	701901-06
701400-09	
701401-10	
701411-09	

FUNCTIONAL CLASSIFICATIONS

I-55/I-64 EB & WB CD LANES: INTERSTATE
 NB TUDOR-PIGGOTT RAMPS: INTERSTATE
 WB I-55/I-64 TUDOR RAMP: INTERSTATE

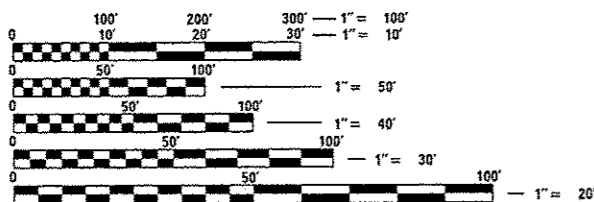
TRAFFIC DATA

I-55/I-64 EB CD LANES: 2015 ADT = 27,100
 2017 ADT = 27,600 (EST.)
 SU = 2.6%
 MU = 6.8%
 POSTED SPEED = 50 MPH

I-55/I-64 WB CD LANES: 2016 ADT = 15,500
 2017 ADT = 15,700 (EST.)
 SU = 3.1%
 MU = 7.7%
 POSTED SPEED = 50 MPH

NB TUDOR-PIGGOTT RAMPS: 2015 ADT = 3,000 (EST.)
 2017 ADT = 3,100 (EST.)
 SU = 3.3%
 MU = 3.0%
 POSTED SPEED = 50 MPH

WB I-55/I-64 TUDOR RAMP: 2016 ADT = 1,100
 2017 ADT = 1,100 (EST.)
 SU = 3.4%
 MU = 2.1%
 POSTED SPEED = 50 MPH



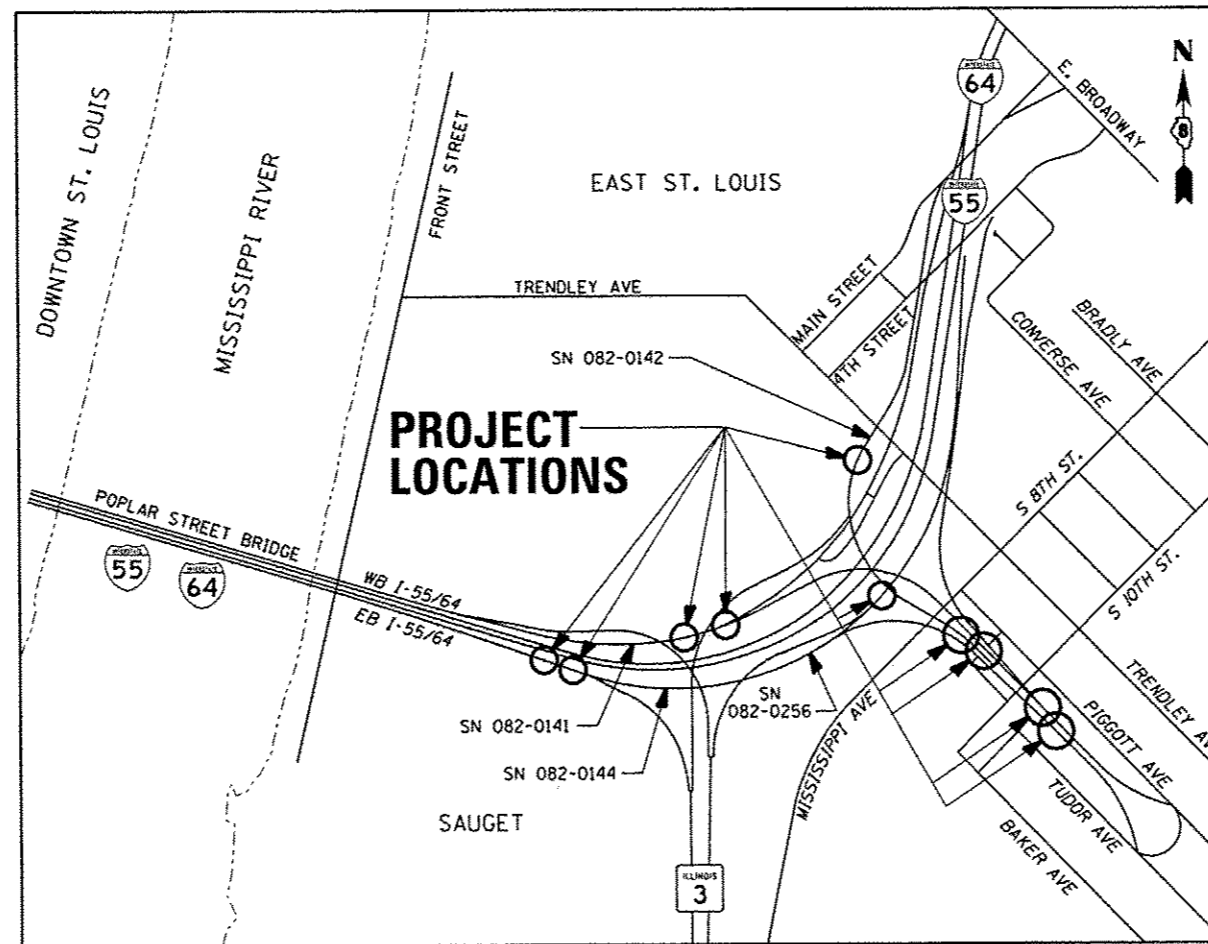
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAI ROUTE 70 (I-55 / I-64)
SECTION 82-3HVB-2R-2-B-R
PROJECT ACNHPP-0070(029)
EMERGENCY REPAIRS POPLAR
STREET BRIDGE COMPLEX
ST. CLAIR COUNTY

C-98-045-16



LOCATION MAP
 NOT TO SCALE

PROJECT ENGINEER TIMOTHY PADGETT, PE (618) 346-3325
 PROJECT MANAGER DONALD HAYDEN, PE (618) 346-3181

CONTRACT NO. 76J68

EFK Moen, LLC
 Civil Engineering Design



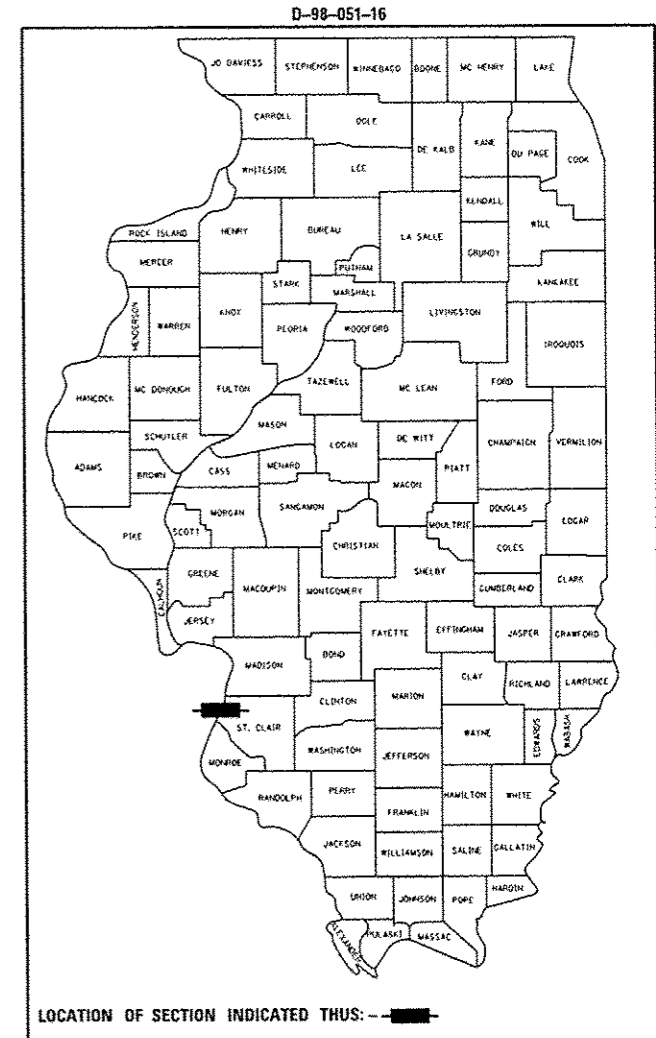
SIGNATURE: *Shelley L. Dintelman*

DATE SIGNED: 11/22/2016

LICENSE EXPIRES: 11/30/2017

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS ON THESE PLANS WHICH WERE PREPARED UNDER MY DIRECTION SHEETS 1-9

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	1
		ILLINOIS	CONTRACT NO. 76J68	



LOCATION OF SECTION INDICATED THUS: [black rectangle]

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED: Nov. 28, 2016
Jeffrey Z. Kamars REGIONAL ENGINEER
 Jan 27, 2017
Maura M. Addis PE ENGINEER OF DESIGN AND ENVIRONMENT
 Jan 27, 2017
Shelley L. Dintelman DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

- ALL REPAIRS DETAILED ON THESE PLANS SHALL BE CONSTRUCTED ACCORDING TO ALL CURRENT APPLICABLE IDOT POLICIES AND STANDARDS IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT ARE BEFORE DIGGING. FIELD MARKING OF UTILITIES 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 - ELECTRIC & GAS
 - AT&T ILLINOIS - COMMUNICATIONS
 - CHARTER COMMUNICATIONS - CABLE TV
 - CITY OF EAST ST. LOUIS - LIGHTING
 - ILLINOIS AMERICAN WATER COMPANY - WATER
 - LACLEDE PIPELINE COMPANY - PIPELINE
 - VERIZON BUSINESS - COMMUNICATIONS
 - ZAYO GROUP - 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.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ONLY RUBBER TIRES WILL BE ALLOWED ON THE AT-GRADE CROSSINGS.
- FOR SN 082-141, SN 082-0144, AND SN 082-0256, ALL WORK WITHIN 25 FEET OF THE TRACK CENTERLINE WILL REQUIRE A UNION PACIFIC RAILROAD (UPRR) FLAGMAN.

UNION PACIFIC RAILROAD GENERAL NOTES

- WITHIN THESE NOTES, THE UNION PACIFIC RAILROAD SHALL BE REFERRED TO AS THE "RAILROAD".
- A CONTRACTOR'S RIGHT-OF-ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON RAILROAD PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- ALL WORK WITHIN 25 FEET OF THE NEAREST TRACK WILL REQUIRE A RAILROAD FLAGMAN. A MINIMUM 72 HOURS NOTICE IS REQUIRED TO SCHEDULE A FLAGMAN FOR WORK. RAILROAD FLAGGING WILL BE PAID FOR ACCORDING TO ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS.
- RAILROAD REVIEW AND APPROVAL OF SHORING AT REPAIR LOCATION H2 IS REQUIRED.
- ONLY RUBBER TIRES WILL BE ALLOWED ON THE AT-GRADE CROSSINGS.
- FALSEWORK CLEARANCE SHALL COMPLY WITH THE RAILROAD'S MINIMUM CONSTRUCTION CLEARANCE ENVELOPE.
- THE PRIMARY RAILROAD POINT OF CONTACT FOR THIS PROJECT IS:

JORDON ALBERS
 MANAGER INDUSTRY AND PUBLIC PROJECTS
 100 NORTH BROADWAY
 SUITE 1500
 ST. LOUIS, MO 63102
 (314) 331-0682
 JRALBERS@UP.COM

TERMINAL RAILROAD OF ST. LOUIS GENERAL NOTES

- WITHIN THESE NOTES, THE TERMINAL RAILROAD ASSOCIATION OF ST. LOUIS SHALL BE REFERRED TO AS THE "RAILROAD".
- RAILROAD REVIEW AND APPROVAL OF SHORING AT REPAIR LOCATION D5 IS REQUIRED.
- THE PRIMARY RAILROAD POINTS OF CONTACT FOR THIS PROJECT ARE:

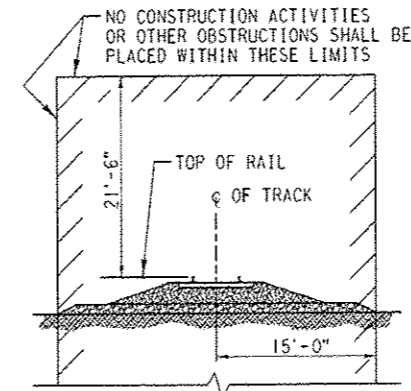
ASIM RAZA
 CHIEF LEGAL OFFICER, DIRECTOR
 OF REAL ESTATE & MARKETING
 415 SOUTH 18TH
 SUITE 200
 ST. LOUIS, MO 63103
 (314) 241-4729
 ARAZA@TERMINALRAILROAD.COM

ERIC FIELDS, P.E.
 CHIEF ENGINEER
 (618) 451-8428
 EFIELDS@TERMINALRAILROAD.COM

COMMITMENTS

COMMITMENTS FOR THIS PROJECT ARE AS FOLLOWS:

- NO KNOWN COMMITMENTS HAVE BEEN RECORDED AT THIS TIME.



MINIMUM CONSTRUCTION CLEARANCE ENVELOPE
 (NORMAL TO RAILROAD)

EFK Moen, LLC
 Civil Engineering Design

FILE NAME =	USER NAME = sdintalman	DESIGNED - BJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 1/17/2017	DATE - 11/21/16	REVISED -		ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	90 % FEDERAL / 10 % STATE CONSTRUCTION CODE			
				BRIDGE	BRIDGE	BRIDGE	BRIDGE
				0014	0014	0014	0014
				S.N. 082-0141	S.N. 082-0142	S.N. 082-0144	S.N. 082-0256
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	0.7	0.6	1.1	0.6
67100100	MOBILIZATION	L SUM	1	0.3	0.3	0.3	0.1
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	4	1		2	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	5	2		2	1
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	0.3	0.7		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	0.8	1.2		
70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	6313	4673	1320	55	265
70107009	PAVEMENT MARKING BLACKOUT TAPE, 9"	FOOT	11868	10408		1197	263
70107016	PAVEMENT MARKING BLACKOUT TAPE, 16"	FOOT	730	730			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	13558	11506	770	930	352
78100300	REPLACEMENT REFLECTOR	EACH	59	38		6	15
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	59	38		6	15
X0325748	ACRYLIC COATING	SQ YD	282		188	80	14

14
• SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME :	USER NAME : skirchner	DESIGNED - BJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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										ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE			
				90 % FEDERAL		10 % STATE	
				BRIDGE 0014	BRIDGE 0014	BRIDGE 0014	BRIDGE 0014
				S.N. 082-0141	S.N. 082-0142	S.N. 082-0144	S.N. 082-0256
X0325749	FIBER WRAP	SQ FT	2540		1690	725	125
Z0001905	STRUCTURAL STEEL REPAIR	POUND	5050	4790		260	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1961		1310	587	64
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.4		0.4	0.2
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	11		4	5	2
X0900037	COLUMN TENSIONED STRANDS	EACH	4			4	
∅ Z0076600	TRAINEES	HOURL	1500	1500			
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	1500	1500			

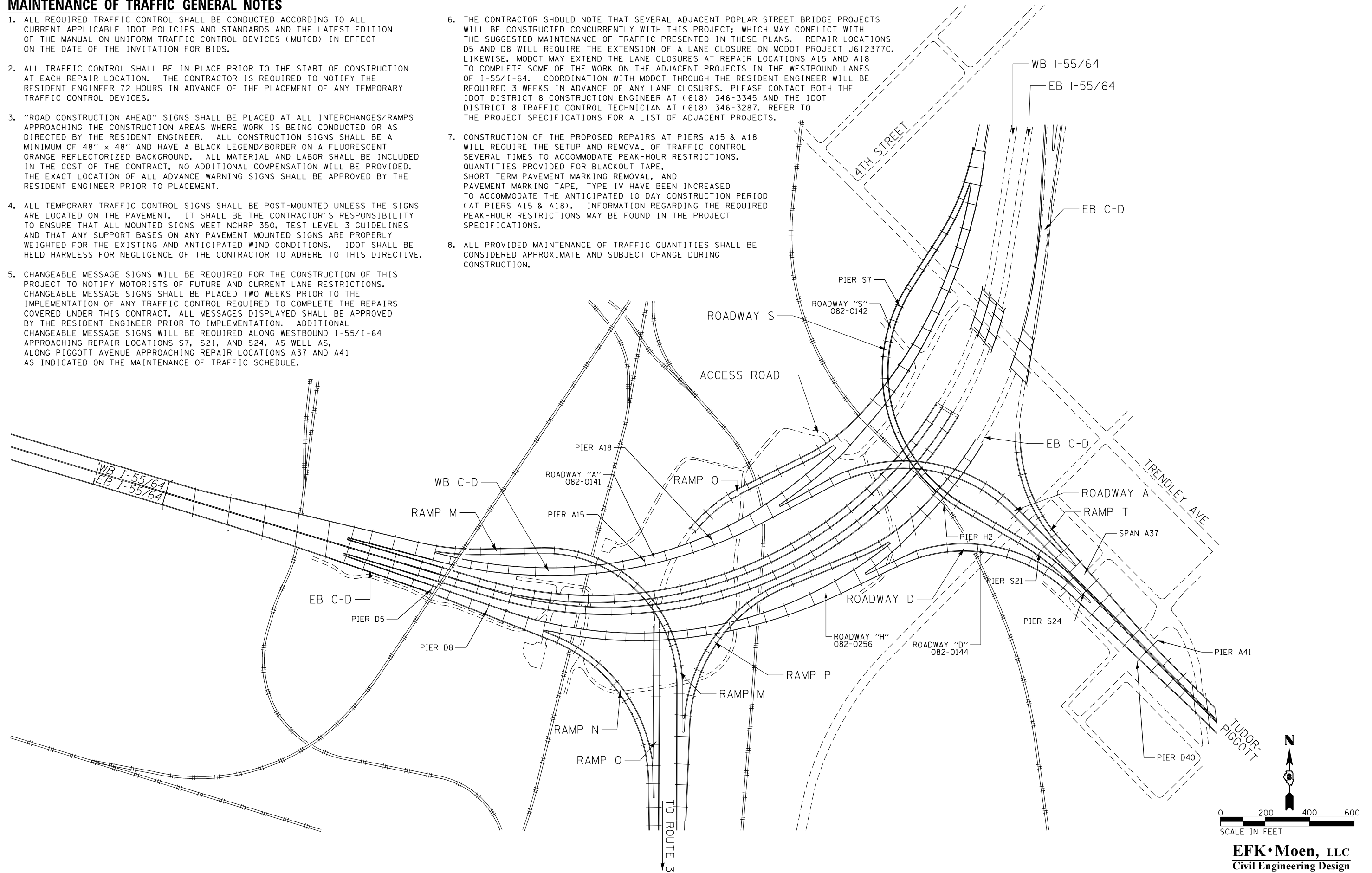
∅ SPECIALTY ITEM
∅ 0042

EFK·Moen, LLC
Civil Engineering Design

MAINTENANCE OF TRAFFIC GENERAL NOTES

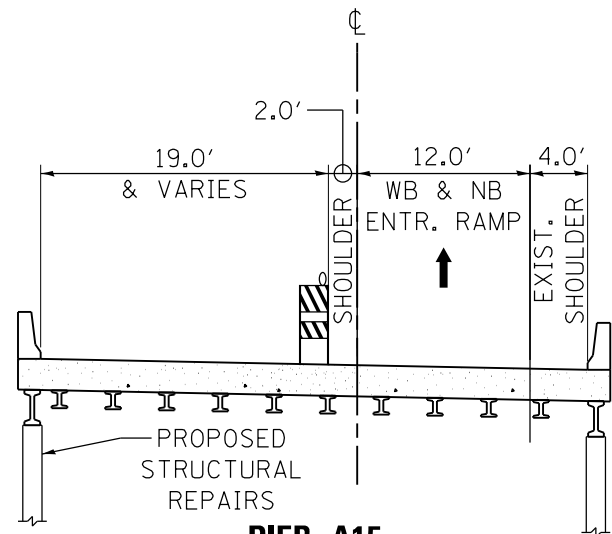
1. ALL REQUIRED TRAFFIC CONTROL SHALL BE CONDUCTED ACCORDING TO ALL CURRENT APPLICABLE IDOT POLICIES AND STANDARDS AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS.
2. ALL TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION AT EACH REPAIR LOCATION. THE CONTRACTOR IS REQUIRED TO NOTIFY THE RESIDENT ENGINEER 72 HOURS IN ADVANCE OF THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
3. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT ALL INTERCHANGES/RAMPS APPROACHING THE CONSTRUCTION AREAS WHERE WORK IS BEING CONDUCTED OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND/BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND. ALL MATERIAL AND LABOR SHALL BE INCLUDED IN THE COST OF THE CONTRACT, NO ADDITIONAL COMPENSATION WILL BE PROVIDED. THE EXACT LOCATION OF ALL ADVANCE WARNING SIGNS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO PLACEMENT.
4. ALL TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE POST-MOUNTED UNLESS THE SIGNS ARE LOCATED ON THE PAVEMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL MOUNTED SIGNS MEET NCHRP 350, TEST LEVEL 3 GUIDELINES AND THAT ANY SUPPORT BASES ON ANY PAVEMENT MOUNTED SIGNS ARE PROPERLY WEIGHTED FOR THE EXISTING AND ANTICIPATED WIND CONDITIONS. IDOT SHALL BE HELD HARMLESS FOR NEGLIGENCE OF THE CONTRACTOR TO ADHERE TO THIS DIRECTIVE.
5. CHANGEABLE MESSAGE SIGNS WILL BE REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT TO NOTIFY MOTORISTS OF FUTURE AND CURRENT LANE RESTRICTIONS. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED TWO WEEKS PRIOR TO THE IMPLEMENTATION OF ANY TRAFFIC CONTROL REQUIRED TO COMPLETE THE REPAIRS COVERED UNDER THIS CONTRACT. ALL MESSAGES DISPLAYED SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO IMPLEMENTATION. ADDITIONAL CHANGEABLE MESSAGE SIGNS WILL BE REQUIRED ALONG WESTBOUND I-55/I-64 APPROACHING REPAIR LOCATIONS S7, S21, AND S24, AS WELL AS, ALONG PIGGOTT AVENUE APPROACHING REPAIR LOCATIONS A37 AND A41 AS INDICATED ON THE MAINTENANCE OF TRAFFIC SCHEDULE.

6. THE CONTRACTOR SHOULD NOTE THAT SEVERAL ADJACENT POPLAR STREET BRIDGE PROJECTS WILL BE CONSTRUCTED CONCURRENTLY WITH THIS PROJECT; WHICH MAY CONFLICT WITH THE SUGGESTED MAINTENANCE OF TRAFFIC PRESENTED IN THESE PLANS. REPAIR LOCATIONS D5 AND D8 WILL REQUIRE THE EXTENSION OF A LANE CLOSURE ON MODOT PROJECT J612377C. LIKewise, MODOT MAY EXTEND THE LANE CLOSURES AT REPAIR LOCATIONS A15 AND A18 TO COMPLETE SOME OF THE WORK ON THE ADJACENT PROJECTS IN THE WESTBOUND LANES OF I-55/I-64. COORDINATION WITH MODOT THROUGH THE RESIDENT ENGINEER WILL BE REQUIRED 3 WEEKS IN ADVANCE OF ANY LANE CLOSURES. PLEASE CONTACT BOTH THE IDOT DISTRICT 8 CONSTRUCTION ENGINEER AT (618) 346-3345 AND THE IDOT DISTRICT 8 TRAFFIC CONTROL TECHNICIAN AT (618) 346-3287. REFER TO THE PROJECT SPECIFICATIONS FOR A LIST OF ADJACENT PROJECTS.
7. CONSTRUCTION OF THE PROPOSED REPAIRS AT PIERS A15 & A18 WILL REQUIRE THE SETUP AND REMOVAL OF TRAFFIC CONTROL SEVERAL TIMES TO ACCOMMODATE PEAK-HOUR RESTRICTIONS. QUANTITIES PROVIDED FOR BLACKOUT TAPE, SHORT TERM PAVEMENT MARKING REMOVAL, AND PAVEMENT MARKING TAPE, TYPE IV HAVE BEEN INCREASED TO ACCOMMODATE THE ANTICIPATED 10 DAY CONSTRUCTION PERIOD (AT PIERS A15 & A18). INFORMATION REGARDING THE REQUIRED PEAK-HOUR RESTRICTIONS MAY BE FOUND IN THE PROJECT SPECIFICATIONS.
8. ALL PROVIDED MAINTENANCE OF TRAFFIC QUANTITIES SHALL BE CONSIDERED APPROXIMATE AND SUBJECT CHANGE DURING CONSTRUCTION.

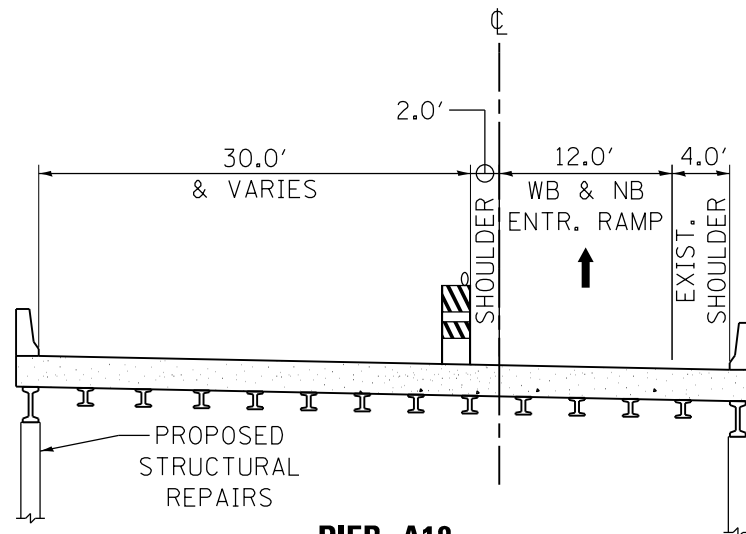


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#FILEL\$		DRAWN - MSK	REVISED -		SCALE: 1"=200'	SHEET 1	OF 1 SHEETS	STA.	TO STA.	70	82-3HVB-2R-2-B-R	ST. CLAIR	22	5
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	PLOT DATE = 11/22/2016	DATE - 11/21/16	REVISED -											
										CONTRACT NO. 76J68			ILLINOIS FED. AID PROJECT	

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Civil Engineering Design

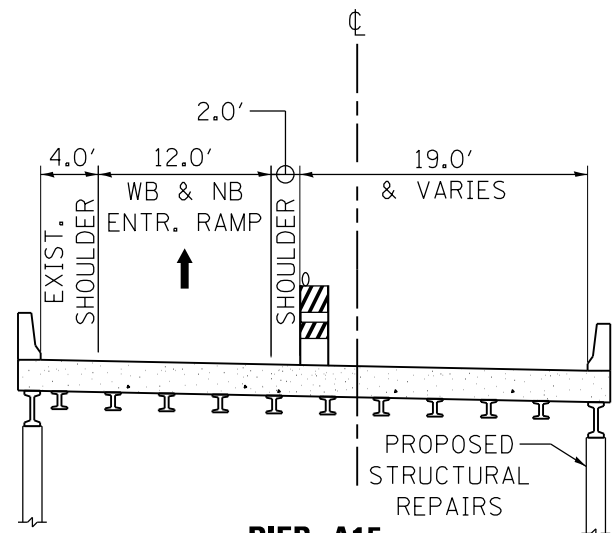


PIER A15
S.N. 082-0141
(LOOKING WEST)

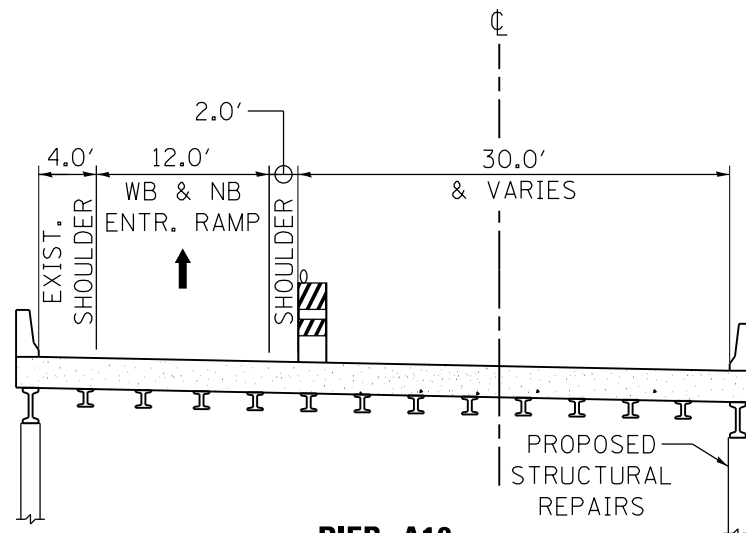


PIER A18
S.N. 082-0141
(LOOKING WEST)

LEFT SIDE REPAIRS



PIER A15
S.N. 082-0141
(LOOKING WEST)

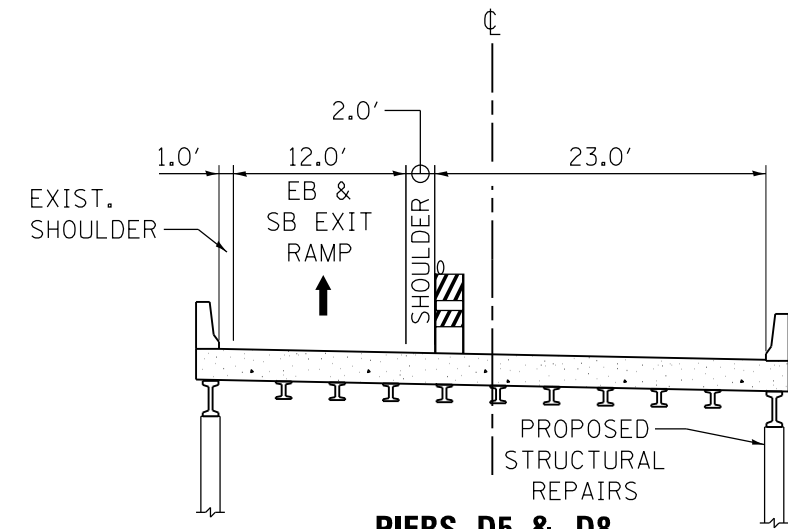


PIER A18
S.N. 082-0141
(LOOKING WEST)

RIGHT SIDE REPAIRS

SUGGESTED MAINTENANCE OF TRAFFIC – PIERS A15 & A18

1. CLOSE LEFT LANES AT BOTH REPAIR LOCATIONS (USING HIGHWAY STANDARDS 701400, 701401 & 701411).
2. CONSTRUCT REPAIRS ON LEFT PIERS.
3. CLOSE RIGHT LANES AT BOTH REPAIR LOCATIONS (USING HIGHWAY STANDARD 701400, 701401 & 701411).
4. CONSTRUCT REPAIRS ON RIGHT PIERS.
5. REMOVE TRAFFIC CONTROL AND RESUME NORMAL TRAFFIC PATTERNS.

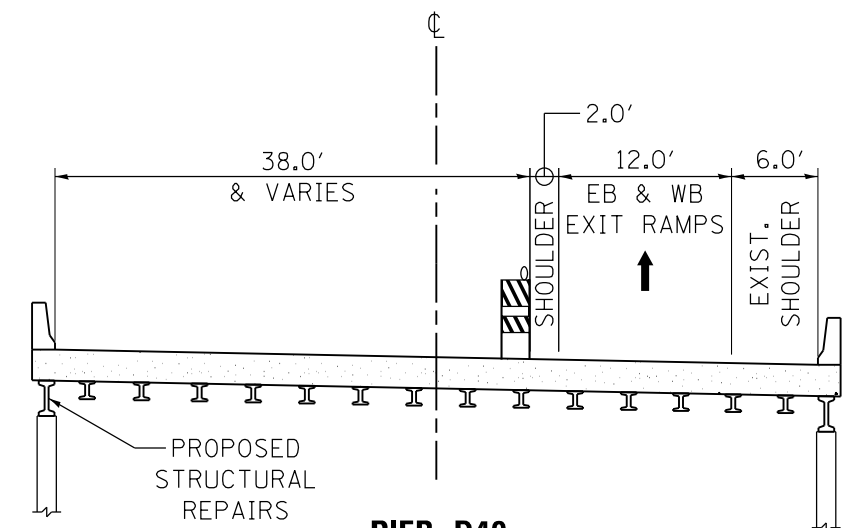


PIERS D5 & D8
S.N. 082-0144
(LOOKING EAST)

RIGHT SIDE REPAIRS ONLY

SUGGESTED MAINTENANCE OF TRAFFIC – PIERS D5 & D8

1. CLOSE RIGHT LANES AT BOTH REPAIR LOCATIONS (USING HIGHWAY STANDARDS 701428, 701400, 701401, & 701411) IN CONJUNCTION WITH MODOT PROJECT NO. J612377C.
2. CONSTRUCT REPAIRS ON RIGHT PIERS.
3. REMOVE TRAFFIC CONTROL AND RESUME NORMAL TRAFFIC PATTERNS.
4. CONSTRUCT REPAIRS ON LEFT PIERS UNDER TRAFFIC.



PIER D40
S.N. 082-0144
(LOOKING SOUTH)

LEFT SIDE REPAIRS ONLY

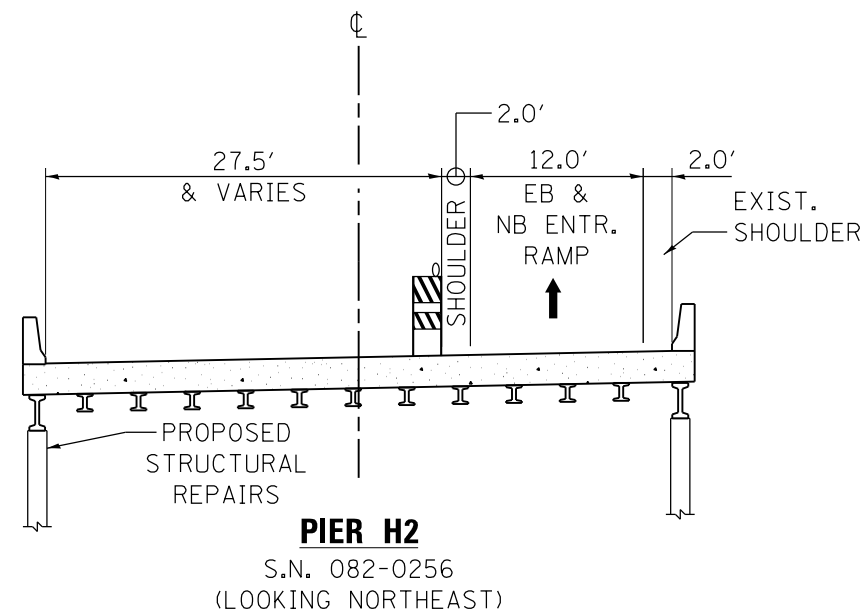
SUGGESTED MAINTENANCE OF TRAFFIC – PIER D40

1. CLOSE LEFT LANES AT REPAIR LOCATION (USING HIGHWAY STANDARDS 701400, 701401 & 701411).
2. CONSTRUCT REPAIRS ON LEFT SPAN.
3. REMOVE TRAFFIC CONTROL AND RESUME NORMAL TRAFFIC PATTERNS.

NOTE:
ALL ARROWS SHOWN
INDICATE DIRECTION
OF TRAFFIC FLOW.

EFK•Moen, LLC
Civil Engineering Design

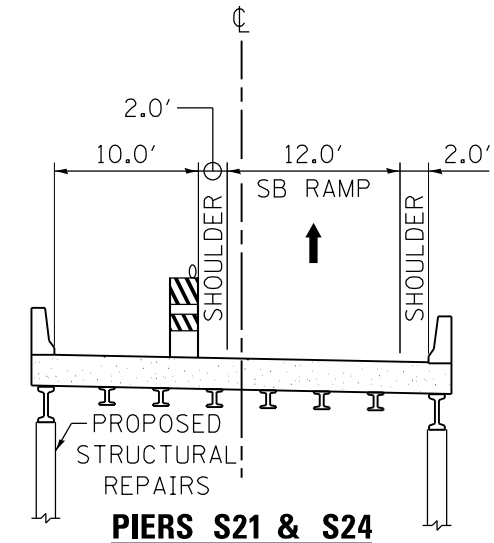
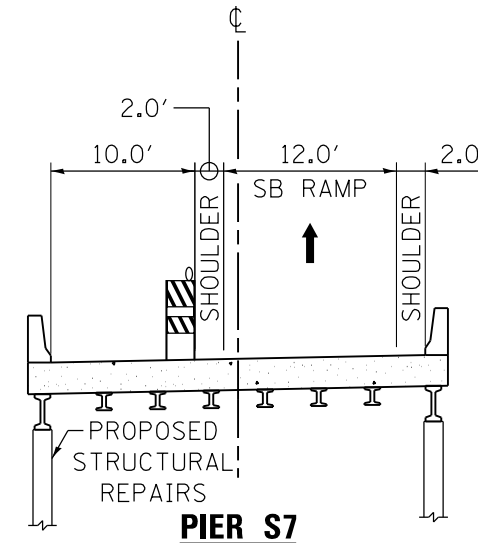
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Default	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -		SCALE: N.A.	SHEET 1	OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 76J68		
	PLOT DATE = 11/22/2016	DATE - 11/21/16	REVISED -		ILLINOIS FED. AID PROJECT							



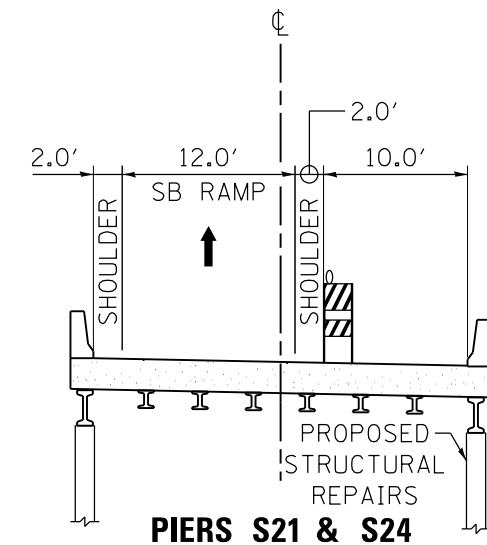
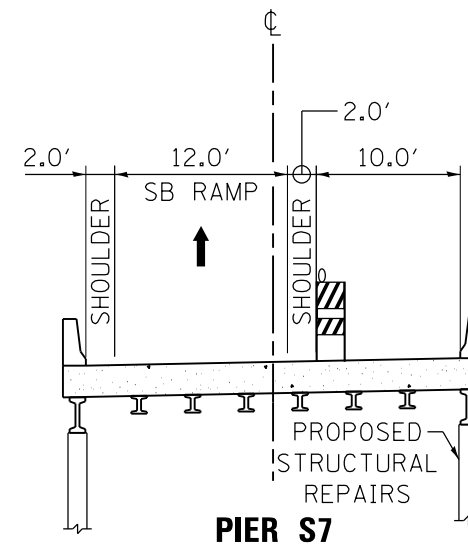
LEFT SIDE REPAIRS ONLY

SUGGESTED MAINTENANCE OF TRAFFIC – PIER H2

1. CLOSE LEFT LANES AT REPAIR LOCATION (USING HIGHWAY STANDARDS 701428, 701400, 701401, & 701411).
2. CONSTRUCT REPAIRS ON LEFT PIER.
3. REMOVE TRAFFIC CONTROL AND RESUME NORMAL TRAFFIC PATTERNS.



LEFT SIDE REPAIRS



RIGHT SIDE REPAIRS

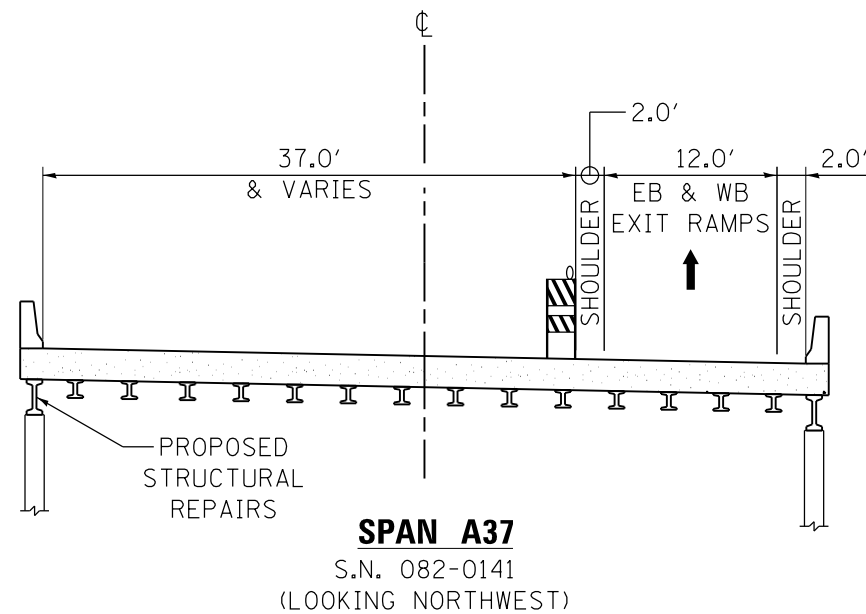
SUGGESTED MAINTENANCE OF TRAFFIC – PIERS S7, S21, & S24

1. SHIFT TRAFFIC TO LEFT SIDE OF RAMP AT REPAIR LOCATIONS (USING HIGHWAY STANDARD 701456).
2. CONSTRUCT REPAIRS ON RIGHT PIERS.
3. SHIFT TRAFFIC TO RIGHT SIDE OF RAMP AT REPAIR LOCATIONS (USING HIGHWAY STANDARD 701456).
4. CONSTRUCT REPAIRS ON LEFT PIERS.
5. REMOVE TRAFFIC CONTROL AND RESUME NORMAL TRAFFIC PATTERN.

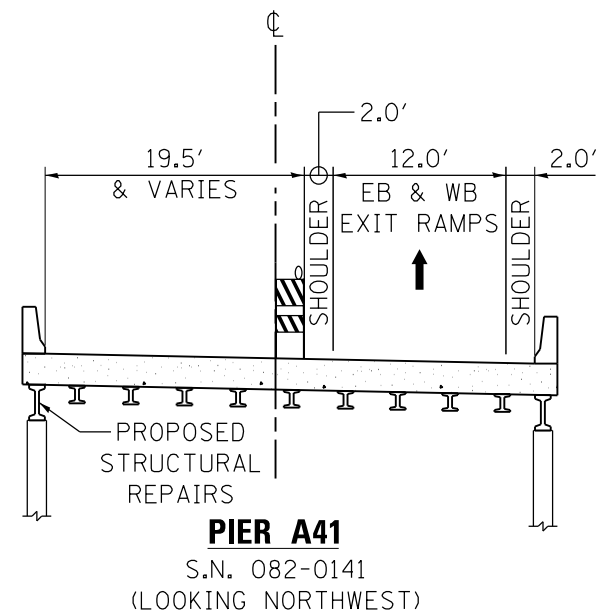
NOTE:
ALL ARROWS SHOWN
INDICATE DIRECTION
OF TRAFFIC FLOW.

EFK•Moen, LLC
Civil Engineering Design

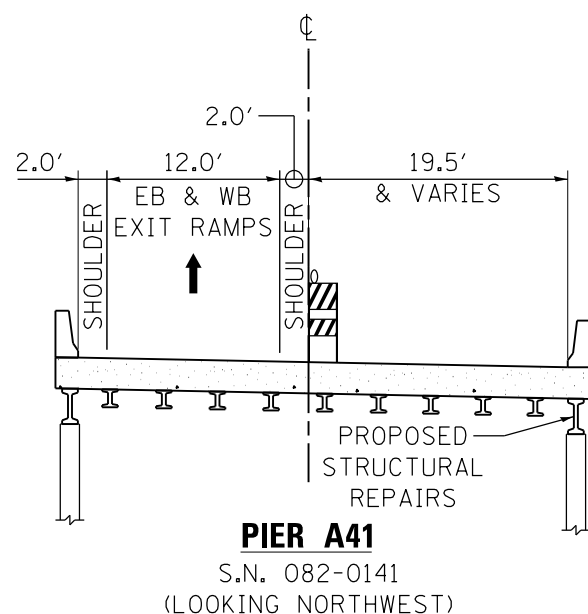
FILE NAME =	USER NAME = mksrchner	DESIGNED - BJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILEL\$		DRAWN - MSK	REVISED -		SCALE: N.A.	SHEET 2	OF 3 SHEETS	STA.	TO STA.	70	82-3HVB-2R-2-B-R	ST. CLAIR	27	7
Default	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -									CONTRACT NO.	76J68	
	PLOT DATE = 11/23/2016	DATE - 11/21/16	REVISED -									ILLINOIS FED. AID PROJECT		



LEFT SIDE REPAIRS ONLY



LEFT SIDE REPAIRS



RIGHT SIDE REPAIRS

SUGGESTED MAINTENANCE OF TRAFFIC – SPAN A37 & PIER A41

1. CLOSE LEFT LANE AND STRIPED MEDIAN AT REPAIR LOCATION A37 & CLOSE LEFT LANE AT REPAIR LOCATION A41 (USING HIGHWAY STANDARDS 701411, 701456, & 701501).
2. CONSTRUCT REPAIRS ON LEFT SIDE AT BOTH REPAIR LOCATIONS.
3. CLOSE RIGHT LANE AT REPAIR LOCATION A41 (USING HIGHWAY STANDARD 701456).
4. CONSTRUCT REPAIRS ON RIGHT SIDE AT REPAIR LOCATION A41.
5. REMOVE TRAFFIC CONTROL AND RESUME NORMAL TRAFFIC PATTERNS.

NOTE:
ALL ARROWS SHOWN
INDICATE DIRECTION
OF TRAFFIC FLOW.

EFK•Moen, LLC
Civil Engineering Design

FILE NAME =	USER NAME = mksrchner	DESIGNED - BJG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - MSK	REVISED -					70	82-3HVB-2R-2-B-R	ST. CLAIR	27	8
Default	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -		SCALE: N.A.	SHEET 3	OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 76J68		
	PLOT DATE = 11/23/2016	DATE - 11/21/16	REVISED -		ILLINOIS FED. AID PROJECT							

MAINTENANCE OF TRAFFIC SCHEDULE															
REPAIR LOCATION	ENGINEERS FIELD OFFICE TYPE A (CAL MO)	MOBILIZATION (L SUM)	TRAFFIC CONTROL & PROTECTION STANDARD 701401 (EACH)	TRAFFIC CONTROL & PROTECTION STANDARD 701411 (EACH)	TRAFFIC CONTROL & PROTECTION STANDARD 701456 (L SUM)	TRAFFIC CONTROL & PROTECTION STANDARD 701501 (L SUM)	CHANGEABLE MESSAGE SIGN (CAL MO)	PAVEMENT MARKING BLACKOUT TAPE 7" (FOOT)	PAVEMENT MARKING BLACKOUT TAPE 9" (FOOT)	PAVEMENT MARKING BLACKOUT TAPE 16" (FOOT)	SHORT TERM PAVEMENT MARKING REMOVAL (SQ FT)	PAVEMENT MARKING TAPE TYPE IV 8"* (FOOT)	REPLACEMENT REFLECTOR (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	RAILROAD PROTECTIVE LIABILITY INSURANCE (L SUM)
SN 082-0141															
A15 & A18	0.65	0.14	1	1				2,746**	9,278**	184**	8,807**	15,417**	17	17	0.4
A37 & A41	0.05	0.14		1	0.30	1	0.8	1927	1,130	546	2,699		21	21	
SN 082-0142															
S7	0.20	0.14			0.35		0.6	440			257				
S21 & S24	0.40	0.14			0.35		0.6	880			513				
SN 082-0144															
D5 & D8	0.65	0.14	1	1				21	491		380	445	3	3	0.4
D40	0.45	0.14	1	1				34	706		550	789	3	3	
SN 082-0256															
H2	0.60	0.14	1	1				265	263		352	448	15	15	0.2
TOTALS	3.0	1.0	4	5	1.0	1	2.0	6,313	11,868	730	13,558	17,099	59	59	1.0

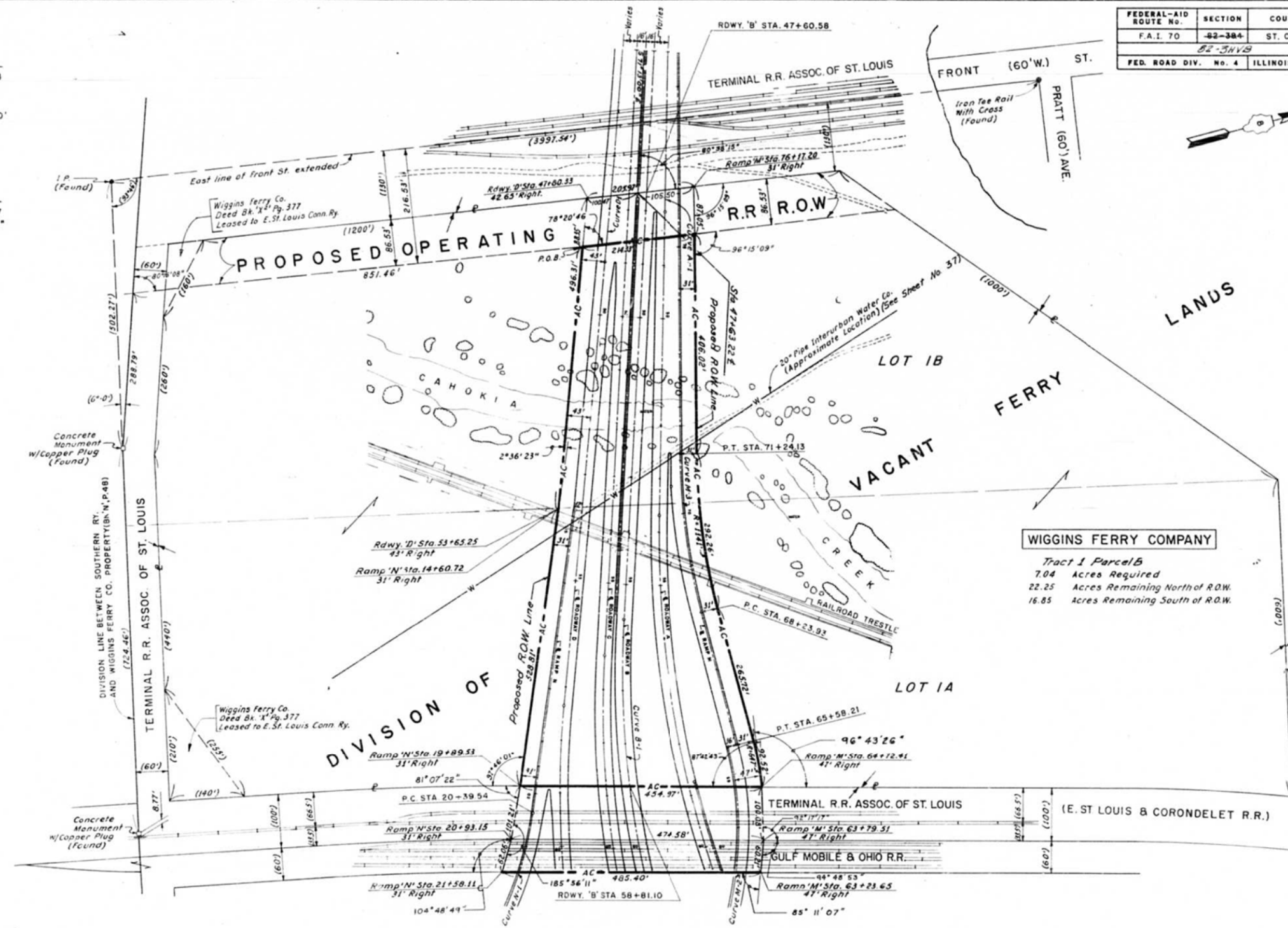
- * QUANTITY INCLUDED IN APPROPRIATE TRAFFIC CONTROL & PROTECTION PAY ITEM PER ARTICLE 703.07 OF THE STANDARD SPECIFICATIONS.
- ** QUANTITY INCLUDES 10 APPLICATIONS (FOR DAILY SETUP & REMOVAL OF IDOT HIGHWAY STANDARD 701411 TO ACCOMMODATE PEAK-HOUR RESTRICTIONS).

EFK Moen, LLC
Civil Engineering Design

FILE NAME =	USER NAME = mksrchner	DESIGNED - BJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC SCHEDULE				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL\$		DRAWN - BJC	REVISED -		70	82-3HVB-2R-2-B-R	ST. CLAIR	27	9				
Default	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -		SCALE: N.A. SHEET 1 OF 1 SHEETS STA. TO STA.				CONTRACT NO. 76J68				
	PLOT DATE = 11/23/2016	DATE - 11/21/16	REVISED -		ILLINOIS FED. AID PROJECT								

FEDERAL-AID ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. 70	82-3HV2	ST. CLAIR	26	26
FED. ROAD DIV. No. 4 ILLINOIS PROJECT [-70-(63)]				

CURVE A-1 P.I. = 44+49.79 Δ = 1°57'51" D = 0°16'51" R = 20,405.00' L = 699.51' T = 349.79' E = 3.00'	CURVE B-1 P.I. = 76+37.10 Δ = 97°39'16" D = 3°09'24" R = 1815.00' L = 3093.47' T = 2075.25' E = 941.97'	CURVE D-1 P.I. = 44+99.74 Δ = 2°17'29" D = 0°17'12" R = 19,988.00' L = 799.37' T = 399.74' E = 4.00'
CURVE M-2 P.I. = 62+15.89 Δ = 91°18'24" D = 9°32'57" R = 600' L = 956.16' T = 613.84' E = 258.37'	CURVE M-3 P.I. = 69+74.86 Δ = 14°40'34" D = 4°53'19" R = 1172' L = 300.20' T = 150.93' E = 9.68'	CURVE N-1 P.I. = 25+09.37 Δ = 67°44'14" D = 8°11'06" R = 700' L = 827.57' T = 469.82' E = 143.05'



WIGGINS FERRY COMPANY
Tract 1 Parcel B
7.04 Acres Required
22.25 Acres Remaining North of R.O.W.
16.85 Acres Remaining South of R.O.W.

LEGEND

---AC---	Access Control and Right of Way line
---	Property line
(100')	Recorded dimension
100'	Measured dimension
---	Right of Way line

I hereby certify that this is a correct Plat showing the Right of Way required for a Highway known as Federal Aid Interstate Route 70, located in the City of St. Louis, St. Clair County, Illinois, as now surveyed and staked out by H.W. Lochner, Inc., for the Department of Public Works and Buildings of the State of Illinois

by _____ Date _____
Illinois Land Surveyor

Approved _____ Date _____
District Engineer

Completed 5-28-64

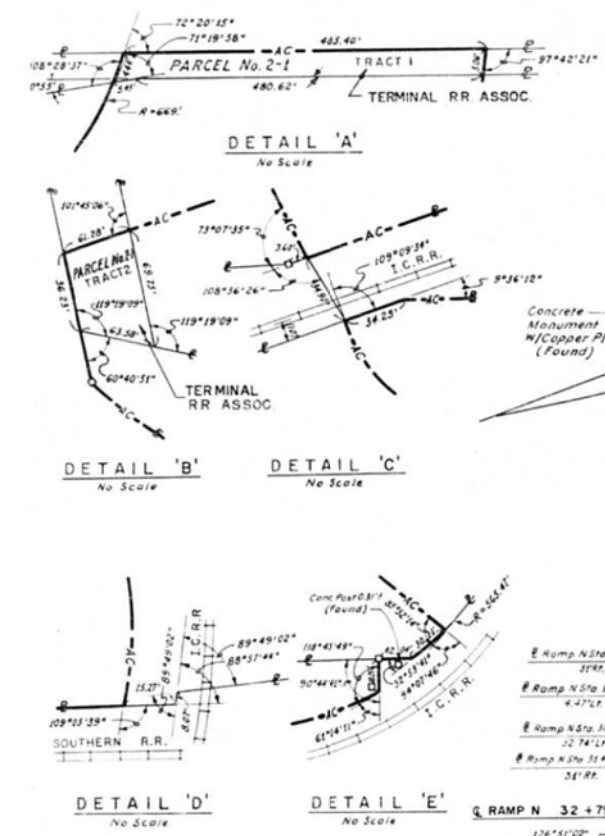
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
F.A.I. ROUTE 70
RIGHT OF WAY PLAN
STA. 47+60.58 TO STA. 58+81.10
SCALE: 1" = 100'

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

FOR INFORMATION ONLY

FILE NAME =	USER NAME = mksrchner	DESIGNED - BJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RIGHT OF WAY PLAN			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - MSK	REVISED -		70	82-3HV2-2R-2-B-R	ST. CLAIR	22	10	CONTRACT NO. 76J68		
Default	PLOT SCALE = 100.000' / in.	CHECKED - SLD	REVISED -		SCALE: N.T.S.	SHEET 1 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 11/30/2016	DATE - 11/21/16	REVISED -									

FEDERAL-AID ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-344	ST. CLAIR	259	27
82-344				
FED. ROAD DIV. No. 4	ILLINOIS	PROJECT-70-(63)		

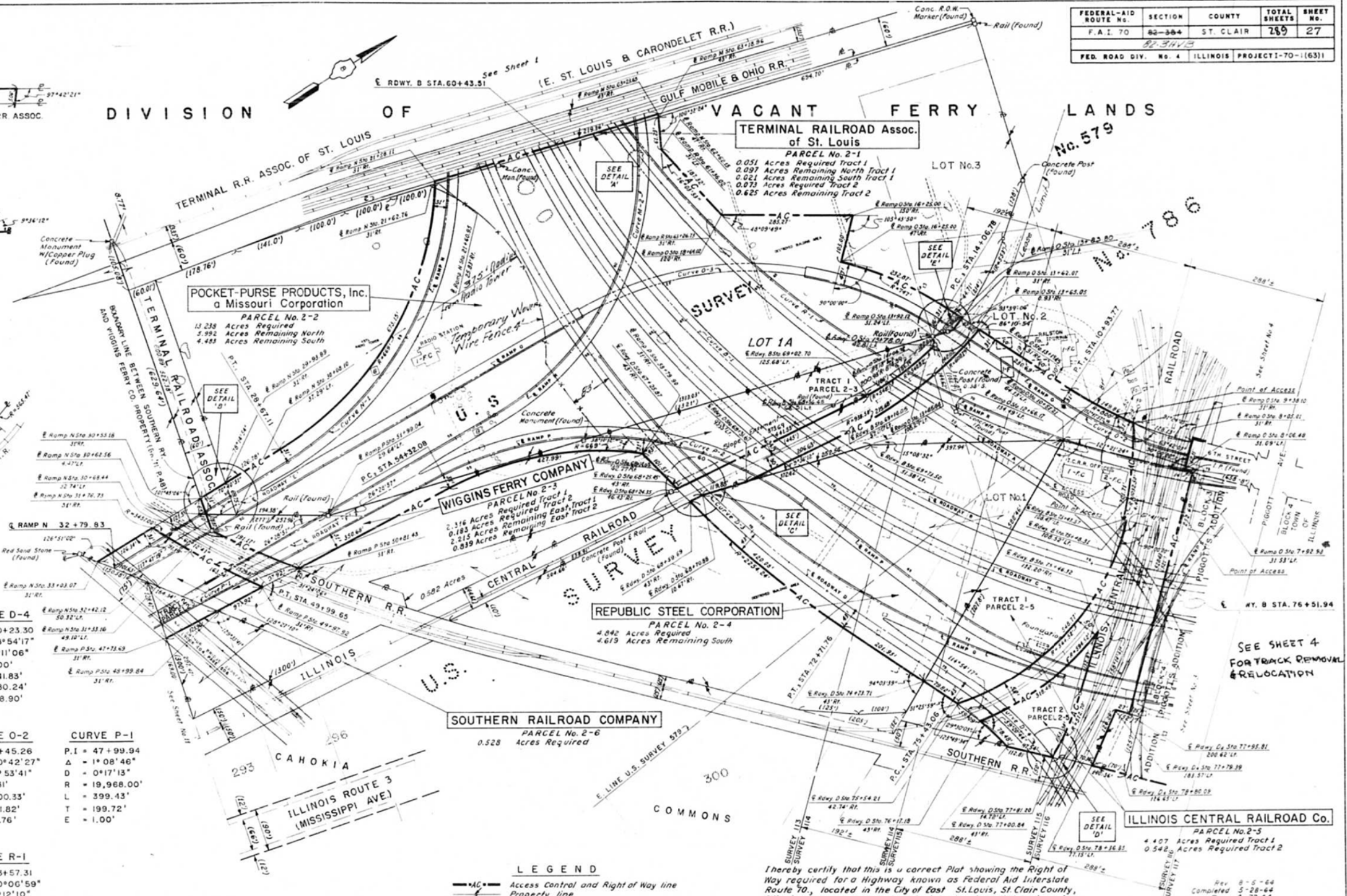


CURVE B-1	CURVE D-3	CURVE D-4
P.I. = 76+37.10	P.I. = 68+95.66	P.I. = 80+23.30
Δ = 97°39'16"	Δ = 19°41'10"	Δ = 68°54'17"
D = 3°09'24"	D = 2°35'28"	D = 8°11'06"
R = 1815'	R = 2211.24'	R = 700'
L = 3093.47'	L = 759.76'	L = 841.83'
T = 2075.25'	T = 383.66'	T = 480.24'
E = 941.97'	E = 33.04'	E = 148.90'

CURVE M-2	CURVE N-1	CURVE O-2	CURVE P-1
P.I. = 62+15.89	P.I. = 25+09.37	P.I. = 9+45.26	P.I. = 47+99.94
Δ = 91°18'24"	Δ = 67°44'14"	Δ = 20°42'27"	Δ = 1°08'46"
D = 3°32'57"	D = 8°11'06"	D = 8°53'41"	D = 0°17'13"
R = 600'	R = 700'	R = 831'	R = 19,968.00'
L = 956.16'	L = 827.57'	L = 300.33'	L = 399.43'
T = 613.84'	T = 469.82'	T = 151.82'	T = 199.72'
E = 258.37'	E = 143.05'	E = 13.76'	E = 1.00'

CURVE O-3	CURVE P-2	CURVE R-1
P.I. = 18+39.48	P.I. = 58+81.46	P.I. = 63+57.31
Δ = 63°26'37"	Δ = 65°23'55"	Δ = 30°00'59"
D = 8°11'06"	D = 8°11'06"	D = 3°12'10"
R = 700'	R = 700'	R = 1789'
L = 775.11'	L = 798.99'	L = 940.35'
T = 432.70'	T = 449.38'	T = 481.31'
E = 122.94'	E = 131.83'	E = 63.61'

DIVISION OF VACANT FERRY LANDS



SEE SHEET 4 FOR TRACK REMOVAL & RELOCATION

LEGEND

—AC—	Access Control and Right of Way line
—	Property line
(100')	Recorded dimension
100'	Measured dimension
C	Commercial
G	Garage
2-	2-Stories
F	Frame
Fo.	Foundation

I hereby certify that this is a correct Plat showing the Right of Way required for a Highway known as Federal Aid Interstate Route 70, located in the City of East St. Louis, St. Clair County, Illinois, as now surveyed and staked out by H.W. Lochner, Inc., for the department of Public Works and Buildings of the State of Illinois

by _____ Date _____
 Illinois Land Surveyor

Approved _____ Date _____
 District Engineer

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS
 F.A.I. ROUTE 70
 RIGHT OF WAY PLAN

SCALE: 1" = 100'
 H. W. LOCHNER, INC.
 ENGINEERS
 CHICAGO, ILL.

FOR INFORMATION ONLY

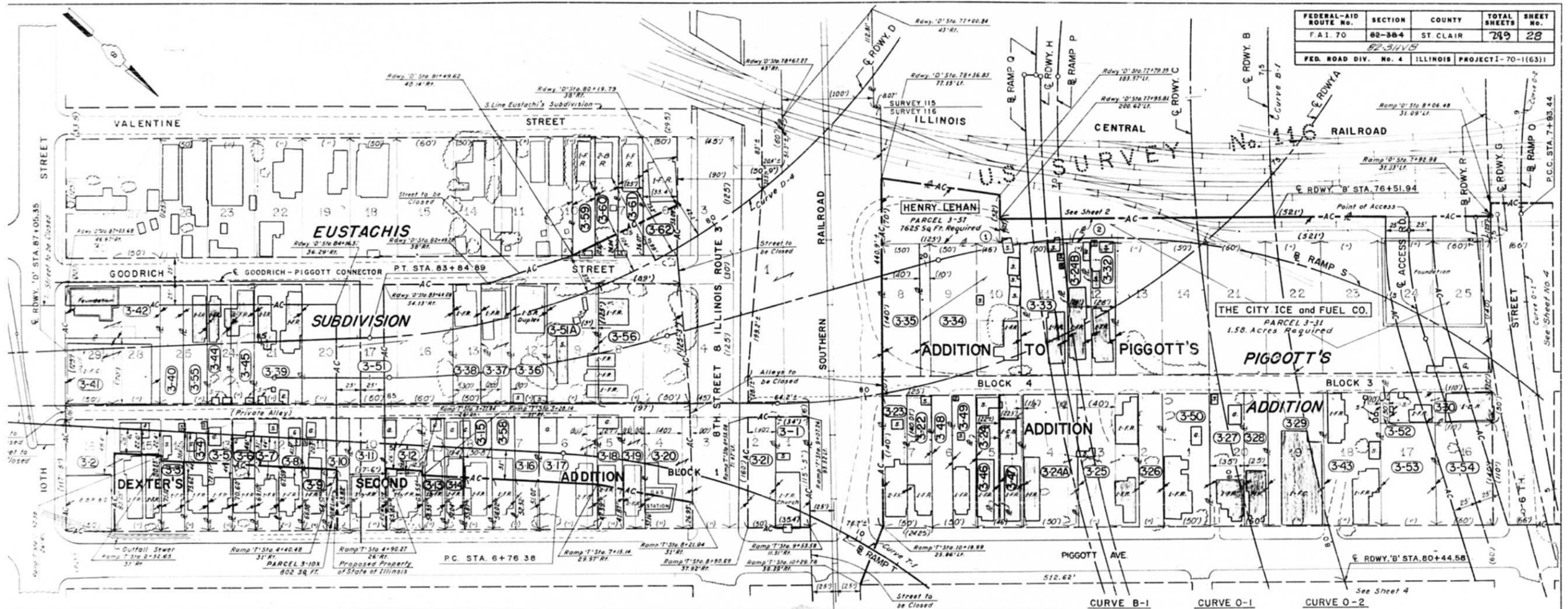
FILE NAME =	USER NAME = mkschoner	DESIGNED - BJJ	REVISED -
%FILE%		DRAWN - MSK	REVISED -
Default		CHECKED - SLD	REVISED -
	PLOT DATE = 11/30/2016	DATE - 11/21/16	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RIGHT OF WAY PLAN	
SCALE: N.T.S.	TO STA.
SHEET 2 OF 5 SHEETS	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-344-2R-2-B-R	ST. CLAIR	22	11
CONTRACT NO. 76J68				
ILLINOIS FED. AID PROJECT				

FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-34VB	ST. CLAIR	299	28
FED. ROAD DIV. No. 4 ILLINOIS PROJECT I-70-(163)				



PIGGOTT'S ADDITION TO TOWN OF ILLINOIS (1)				
LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
pt 20	5	WILLIAM A KOPP, ANITA E KOPP, his wife	4,900	0
pt 20	5	GEORGE NELSON & LEONA NELSON, his wife	3,500	0
pt 19	5	MODERN ENGINEERING COMPANY, INC	8,400	0
pt 18	5	ELVA FUNCHES & NETTIE FUNCHES, his wife	3,300	0
pt 17	5	EMMA L VEACH	300	0
pt 16	5	JIM MADISON & CREALOR MADISON, his wife	8,400	0
pt 15	5	GROVER C SIBLEY	6,600	0
pt 14	5	HARRY ELDORGE and GEORGIA L ELDORGE, his wife	6,600	0

ADDITION TO PIGGOTT'S ADDITION OF THE TOWN OF ILLINOIS (2)				
LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
pt 7	4	JETIE NUNN & ISILLA NUNN, his wife	3,553	0
pt 6	4	ANGELO E CASTELLANI & ANNA N CASTELLANI, his wife	4,115	0
pt 5	4	PHILIP W COHN, JR	9,100	0
pt 4	4	MARTIN SURATT HANDL	3,500	0
pt 3	4	FRIE SILBERMAN and FLORENCE E SILBERMAN, his wife	3,447	0
pt 2	4	MAHALIE WOODS	3,640	0
pt 1	4	FLOYD HAWKINS & NANCY HAWKINS, his sister	7,000	0
pt 10	4	PHILIP DAVIS	14,840	0
pt 9	4	BRUCE H LEW and LOUIS E MITAUER	5,600	0
pt 8	4	SAMMY CONNOR Sr, MATTIE CONNOR, his wife and SAMMY CONNOR Jr	3,000	0
pt 7	4	SIMON HUSTON and ANNIE HUSTON, his wife	3,360	0
pt 6	4	EUGENE and ROBERT MAULE and EUGENIA SICKAGE	3,500	0
pt 5	4	MICHAEL ALVANICH and FRANK NALIVAYKO	3,500	0
pt 4	4	HENRY A HOOVER and ERISENE HOOVER, his wife	7,000	0

DEXTER'S SECOND ADDITION TO THE CITY OF EAST ST LOUIS (3)					
PARCEL NO.	LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
3-1	1	1	D. KENNETH RANK and MILDRED RANK, his wife	4,008	0
3-2	13E16	1	THEODORE N MARKULY	3,430	8315
3-3	pt 14	1	LLOON THOMPSON & SAVANNAH THOMPSON, his wife	1,075	1,659
3-4	pt 14	1	CORNELL DAUGHERTY & GRACE KING, his mother	1,110	1,822
3-5	pt 15	1	CHARLES KLINE	1,147	1,784
3-6	pt 15	1	ALEXANDER J BOGDAN & MARGERET BOGDAN, his wife	1,183	1,746
3-7	pt 12	1	MILES HOWARD & SAVANNAH T HOWARD, his wife	1,218	1,709
3-8	pt 12	1	FRIEZ SILBERMAN	1,254	1,671
3-9	pt 11	1	AMESA C COLEMAN & MARGARET COLEMAN, his wife	1,291	1,633
3-10	pt 11	1	LOUIS STREETER & CORNELIA STREETER, his wife	2,120	0
3-11	pt 10	1	HAZEL HOLLIS	4,379	0
3-12	pt 9	1	HENRY LOUIS DOWELL & SARAH DOWELL, his wife	1,948	2,426
3-13	pt 9	1	JAMES A TOLSON & ADA TOLSON, his wife	1,470	1,445
3-14	pt 8	1	EARNEST OUTLAW & VERTIE MAE OUTLAW, his wife	1,162	1,091
3-15	pt 8	1	ANNIE L BALL & LEO BALL, her husband	1,885	1,685
3-16	pt 7	1	PAUL MEYER	1,614	1,294
3-17	pt 6	1	BERTHA GREENBERG	4,017	2,952
3-18	pt 5	1	ELLEN V SHELTON	1,929	1,205
3-19	pt 4	1	MARY E GEROLD	1,759	909
3-20	pt 3	1	JOSEPH A TROY, Jr.	4,190	1,602
3-21	pt 2	1	CITY PRODUCTS CORPORATION, a CORPORATION of ILLINOIS	3,468	0
3-22	pt 1	1	ISABELLA BRIGGS and SECULA WHITE	1,578	1,332
3-10X	pt 11	1	LOUIS STREETER and CORNELIA STREETER, his wife	802	0

RE-SURVEY OF EUSTACHI'S OF LOT 13 IN SURVEY NO. 116 (4)					
PARCEL NO.	LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
3-36	pt 12		FRANK BANKS & MABEL BANKS, his wife	5,000	0
3-37	pt 15		MAGGIE TATE	3,750	0
3-38	pt 13		ARTHUR P MEYER & ELNORA B MEYER, his wife	3,750	0
3-39	21		ERNEST J HOPFINGER & RAYMOND HOPFINGER	6,250	0
3-40	pt 25		ALEX DOMYAN & SHIRLEY M DOMYAN, his wife	3,125	0
3-41	pt 25		ROSE DOMYAN	7,000	0
3-42	pt 25		ARTHUR C DOUGLAS & BESSIE DOUGLAS, his wife	5,500	0
3-44	pt 24		EDWARD R HOLLMAN and DOROTHY LEE HOLLMAN, his wife	3,125	0
3-45	pt 24		CHARLES DOMYAN Jr. and ALEX DOMYAN	3,125	0
3-47	pt 24		ESTATE of GEORGE SCHAUB	20,000	0
3-51A	pt 29		ESTATE of GEORGE SCHAUB	6,625	0
3-56	pt 29		JEFF SMITH and BEAULAH SMITH, his wife	11,625	0
3-59	pt 10		D. KENNETH RANK and MILDRED RANK, his wife	150	2,975
3-60	pt 7		LOUIS N. RANK	451	2,674
3-61	pt 7		WILLIAM P. RANK	751	2,374
3-62	pt 6		LEO L RANK and ANTOINETTE RANK, his wife	1,578	2,847
3-55	pt 25		ARNOLD COHN	3,125	0

CURVE B-1	CURVE O-1	CURVE O-2
P.I. = 76+37.10 Δ = 97°39'16" D = 3°09'24" R = 1815' L = 3093.47' T = 2075.25' E = 941.97'	P.I. = 4+02.17 Δ = 23°05'03" D = 2°54'34" R = 1969.33' L = 793.44' T = 402.17' E = 40.65'	P.I. = 9+45.28 Δ = 20°42'27" D = 6°53'41" R = 831' L = 300.33' T = 151.82' E = 13.76'

CURVE D-4	CURVE T-1
P.I. = 80+23.30 Δ = 68°54'17" D = 8°11'06" R = 700' L = 841.83' T = 480.24' E = 148.90'	P.I. = 10+04.42 Δ = 50°13'06" D = 8°11'06" R = 700' L = 813.53' T = 328.04' E = 73.05'

LEGEND

- AC — Access Control and Right of Way Line
- - - Property line
- - - Same Ownership
- - - Existing ROW line
- (100') Recorded dimension
- 100' Measured dimension
- ① Lot Number
- R Residential
- C Commercial
- G Garage
- S Shed
- 1 1/2 1 1/2-Stories
- F Frame
- B Brick
- - - Proposed ROW Line
- Rev. 8-5-64
- Completed 5-28-64
- Rev. 3-18-64

I hereby certify that this is a correct Plat showing the Right of Way required for a Highway known as Federal Aid Interstate Route 70, located in the City of East St. Louis, St. Clair County, Illinois, as now surveyed and staked out by H.W. Lochner, Inc., for the department of Public Works and Buildings of the State of Illinois

by _____ Illinois Land Surveyor _____ Date _____
Approved _____ District Engineer _____ Date _____

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
F.A.I. ROUTE 70
RIGHT OF WAY PLAN
10TH STREET TO 6TH STREET
SCALE: 1" = 50'
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILL.

FOR INFORMATION ONLY

TOWN OF ILLINOIS (1)				
LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
pt.10	4	PLEAS JONES and CLARA JONES, his wife	3,150	0
pt.10	4	JOSEPH L. GEROLD and MARGARET L. GEROLD, his wife	3,250	0
pt.8	4	JIMMIE WARE and LUELLA WARE, his wife	2,800	0
pt.8	4	ETHEL STACK and CATHERINE IRENE O'LEARY	280	0
pt.7	4	REVESTER COLEMAN	5,320	0
pt.7	4	PEARL REASON MEALISTER and PETE REASON, her son	4,900	0
pt.7	4	HARRY THOMAS and MAMIE THOMAS, his wife	3,500	0
6	4	FRITZ SILBERMAN	8,400	0
pt.1	4	VOICE PREATHER and CORA ANN PREATHER, his wife	2,100	0
pt.1	4	GASTON DIXON	2,100	0
pt.1	4	RICHARD PAYNE and PECOLA PAYNE, his wife	4,200	0
pt.2	4	CONSTANT HILL and REBECCA L. HILL	2,100	0
pt.2	4	DAVID CONRAD and TRESSIE LEE CONRAD, his wife	4,200	0
pt.3	4	MAURICE COPLEVITZ and ROSE COPLEVITZ, his wife	4,200	0
pt.3	4	HERBERT E. HOTTES	4,200	0
pt.4	4	JOSEPHINE HILL and EDGAR HILL, her husband, and ROBERT H. REED and DARLINE K. REED, his wife	4,800	0
pt.4	4	JOHN LAMBERT	3,600	0
pt.1	3	ARNOLD COHN	2,400	0
pt.1	3	FRANK IRONS and DECILE IRONS, his wife	6,000	0
pt.2	3	FLORENCE T. MEREIDITH	4,200	0
pt.2	3	ISIAH ANDERSON and LOU ANNA ANDERSON, his wife	5,040	0
pt.4	3	JOHN W. ATCHISON	4,480	0
pt.3	3	HERBERT E. HOTTES	4,200	0
pt.3	3	ALBERT JONES and MATTIE JONES, his wife	3,500	0
pt.3	3	EUGENIA SICKAGE	700	0
9	4	INTERSTATE BOND Co.	8,400	0
pt.2	4	ELIZABETH CAMPBELL, et. al.	2,100	0
pt.4	4	BEN ROWRY and VERDA B. ROWRY, his wife	3,600	0
pt.4	4	SAM GOLDSTEIN and MINNIE GOLDSTEIN, his wife	4,800	0
pt.3	3	EDWARD P. HULLMAN and DOROTHY LEE HULLMAN, his wife	3,360	0
pt.4	3	ROSHELLE MARIE NELSON	3,920	0
5	3	SYLVESTER COLEMAN and LILLIAN COLEMAN, his wife	3,291	5,109
pt.8	3	FRANK CASON and MARY LUE CASON, his wife	4,200	0

BOOK OF PLATS 'C', PAGES 314 & 315

EDGAR AME'S ADDITION TO EAST ST. LOUIS (2)				
LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
pt.13	1	LAFAYETTE WEBSTER and MARY E. WEBSTER, his wife	3,500	0
pt.13	1	SAM GOLDSTEIN	3,500	0
pt.14	1	EDWARD KIMME and KATIE KIMME, his wife	3,500	0
pt.14	1	ROBERT JONES and ANNA NESBITT	3,500	0
pt.15	1	FRITZ SILBERMAN	3,500	0
pt.15	1	ROBERT HUDSON Jr. and MAGGIE HUDSON, his wife	3,500	0
pt.16	1	WILLI MAE BROWN	3,500	0
pt.16	1	ALBERT M. ELLIOTT and QUINTON ELLIOTT, her husband	3,500	0
pt.2	1	PHILIP H. COHN Jr.	3,500	0
1	1	STANLEY W. GREGOROWICZ and VIDA MAE GREGOROWICZ, his wife	7,000	0
pt.10	1	BRUCE H. LEW and LOUIS E. MITAUER	3,600	0
pt.10	1	JEREMIAH LEHAN and MARY LEHAN, his wife	1,669	0
11	1	ALBERT A. HEQUEMBOURG and CATHERINE R. HEQUEMBOURG, his wife	7,000	0
pt.12	1	SAMUEL STEWART and MINNIE STEWART, his wife	3,500	0
pt.12	1	EJ. SHERON	3,500	0
pt.6	1	GILNAZ BAKAIAN and ARMAN BAKAIAN, her husband	347	3,153
pt.5	1	DONNIE ELIZABETH PLAYER	647	1,775
pt.5	1	EMMETT FARRELL and ETHEL FARRELL, his wife	1,026	1,494
pt.4	1	ROSETTA THOMAS	1,461	989
pt.4	1	WILLIAM R. WEIDMAN	2,520	0
pt.4	1	JOSEPHINE DUPREE	2,520	0
pt.4	1	BIRL NICHOLSON and VINNIE LEE NICHOLSON, his wife	2,478	0
pt.3	1	CHARLIE ANN ROGERS and ELSIE DROGERS	2,590	0
pt.2	1	HAROLD G. BAKER	7,000	0

BOOK OF PLATS 'E' PAGE 40

FRANK B. BOWMAN SUBDIVISION OF LOTS 9 & 10 IN BLOCK 3 OF THE PLATTED TOWN OF ILLINOIS (4)					
PARCEL NO.	LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
4-34	1,2	-	L.C. WALL	6,000	0
4-35	4,5	-	OLLIE WARD and ELLA WARD, his wife	7,800	0
4-45	3	-	ELLA H. OEBIKE	3,000	0

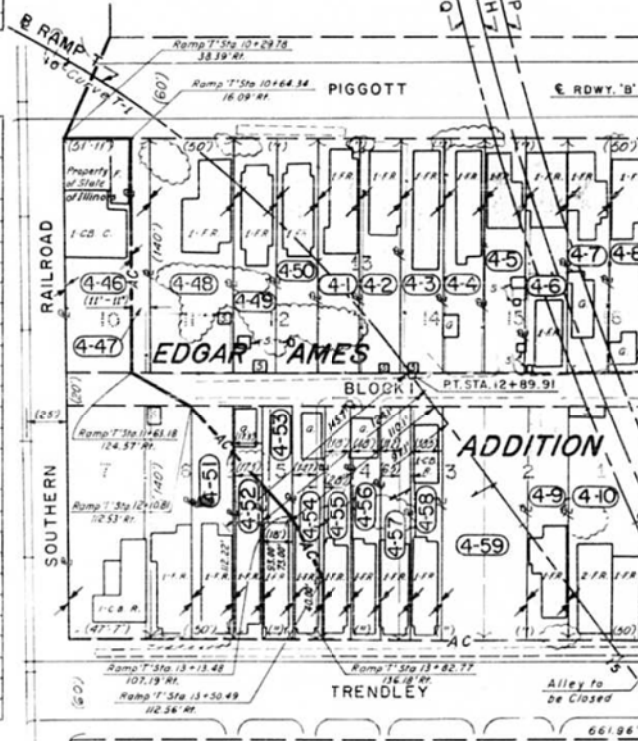
(4) BOOK OF PLATS 'B', PAGE 104

FRANK B. BOWMAN SUBDIVISION OF LOTS 6 & 7 IN BLOCK 3 OF THE PLATTED TOWN OF ILLINOIS (5)					
PARCEL NO.	LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
4-62	4,5	-	FRANK CASON and MARY LUE CASON, his wife	1,771	6,029
4-63	3	-	RUBILEE WEHL	1,117	1,883
4-64	1,2	-	IDA MAE HIGGINS	2,959	3,041

(5) BOOK OF PLATS 'B', PAGE 104

CURVE B-1		CURVE O-1		CURVE T-1	
PI.	76+37.10	PI.	4+02.17	PI.	10+04.42
Δ	97°39'16"	Δ	23°05'03"	Δ	50°13'06"
D	3+09'24"	D	2+54'34"	D	8+11'06"
R	1815'	R	1989.33'	R	700'
L	3093.47'	L	793.44'	L	613.53'
T	2075.25'	T	402.17'	T	328.04'
E	941.9'	E	40.85'	E	73.05'

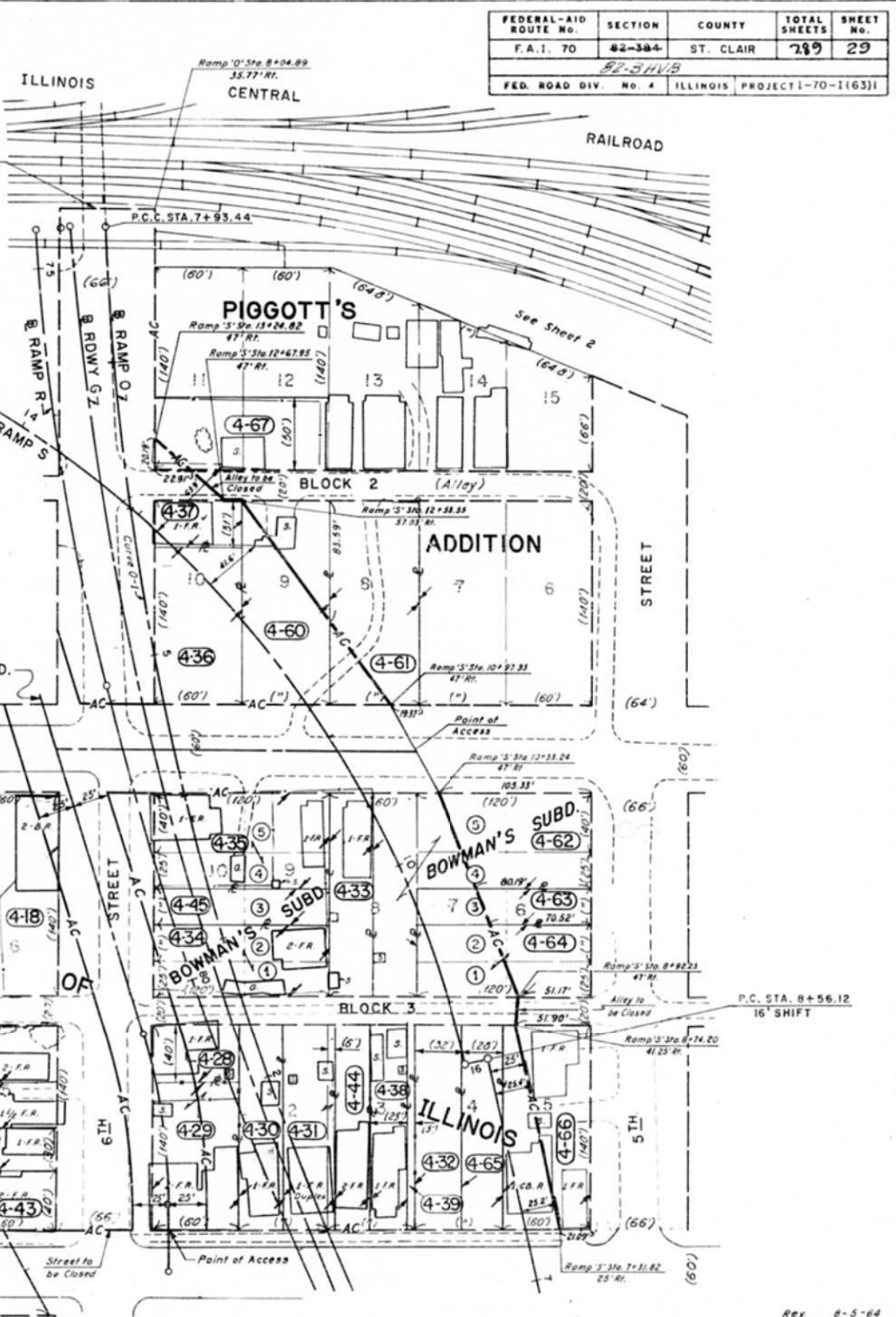
CURVE S-3	
PI.	15+87.49
Δ	92°30'40"
D	8+11'06"
R	700'
L	1130.24'
T	731.37'
E	312.38'



PIGGOTT'S ADDITION TO THE TOWN OF ILLINOIS (3)					
PARCEL NO.	LOT NO.	BLOCK NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
4-36	pt.10	2	THOMAS LEWIS and JANICE LEWIS, his wife	6,540	0
4-37	pt.10	2	GEORGE WILEY and SARAH WILEY, his wife	1,860	0
4-60	9	2	ESTATE of R.J. PECAU	5,904	2,496
4-61	8	2	FRANK IRONS and DECILE IRONS, his wife	1,150	7,250
4-67	pt.12	2	IRENE REEVES	231	5,769

(3) BOOK OF PLATS 'T' PAGE 117

- LEGEND**
- AC — Access Control and Right of Way line
 - P — Property line
 - S — Same Ownership
 - E — Existing R.O.W. line
 - 10 Lot Number
 - R Residential
 - C Commercial
 - G Garage
 - S Shed
 - 1 1/2 - 1 1/2 - Stories
 - F Frame
 - B Brick
 - C.B. Concrete Block
 - ① Lot Number
 - IC — Access Control



Thereby certify that this is a correct Plat showing the Right of Way required for a Highway known as Federal Aid Interstate Route 70, located in the City of East St. Louis, St. Clair County, Illinois, as now surveyed and staked out by H.W. Lochner, Inc., for the department of Public Works and Buildings of the State of Illinois

by Illinois Land Surveyor Date _____
 Approved District Engineer Date _____

FOR INFORMATION ONLY

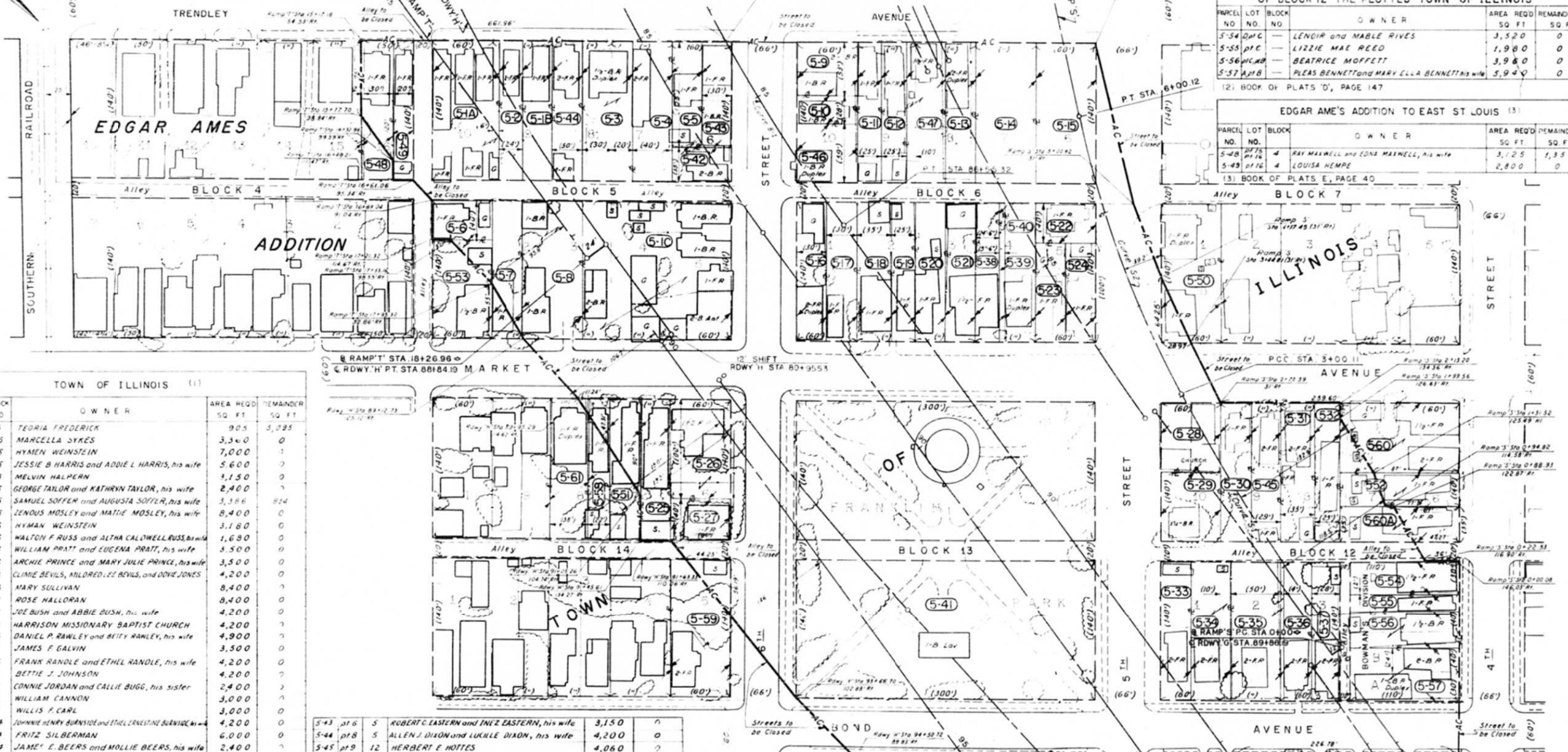
FEDERAL-AID ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. 70	82-3HV-2	ST. CLAIR	29	29

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS
F.A.I. ROUTE 70
RIGHT OF WAY PLAN
 I.C.R.R. TO TRENDLEY AVENUE
 SCALE: 1" = 50'

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

CURVE B-1	CURVE S-1	CURVE S-2
P.I. = 76+37.10	P.I. = 1+50.27	P.I. = 4+51.12
Δ = 97°39'16"	Δ = 7°34'04"	Δ = 16°11'09"
D = 3'09'24"	D = 2°31'18"	D = 5°23'42"
R = 1815'	R = 2272.14'	R = 1062'
L = 3093.47'	L = 300.11'	L = 300.01'
T = 2075.25'	T = 150.27'	T = 151.01'
E = 941.97'	E = 4.96'	E = 10.68'

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 70	82-3HV	ST. CLAIR	29	30
FED. ROAD DIV. NO. 4 ILLINOIS PROJECT: 70-11631				



BOWMAN'S DIVISION OF LOTS 4 & 5 (2)

OF BLOCK 12 THE PLOTTED TOWN OF ILLINOIS

PARCEL NO.	LOT NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
5-54	pt C	LENDIR and MABLE RIVES	3,520	0
5-55	pt C	LIZZIE MAE REED	1,980	0
5-56	pt B	BEATRICE MOFFETT	3,980	0
5-57	pt B	PLEAS BENNETT and MARY ELLA BENNETT, his wife	5,940	0

(2) BOOK OF PLATS 'D', PAGE 147

EDGAR AMES'S ADDITION TO EAST ST. LOUIS (3)

PARCEL NO.	LOT NO.	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
5-48	pt 7	RAY MAXWELL and EDNA MAXWELL, his wife	3,125	1,355
5-49	pt 6	LOUISA HEMPE	2,800	0

(3) BOOK OF PLATS 'E', PAGE 40

TOWN OF ILLINOIS (1)

PARCEL NO.	LOT NO.	BLOCK	OWNER	AREA REQ'D SQ. FT.	REMAINDER SQ. FT.
5-1	pt 1	5	TEORIA FREDERICK	905	5,235
5-2	pt 9	5	MARCELLA DYKES	3,340	0
5-3	pt 8	5	HYMAN WEINSTEIN	7,000	0
5-4	pt 5	5	JESSIE B. HARRIS and ADDIE L. HARRIS, his wife	5,600	0
5-5	pt 6	5	MELVIN HALPERN	3,150	0
5-6	pt 1	5	GEORGE TAYLOR and KATHRYN TAYLOR, his wife	2,400	0
5-7	pt 2	5	SAMUEL SOFFER and AUGUSTA SOFFER, his wife	3,386	824
5-8	pt 3	5	ZENOUS MOSLEY and MATTIE MOSLEY, his wife	8,400	0
5-9	pt 10	6	HYMAN WEINSTEIN	3,180	0
5-10	pt 10	6	WALTON F. RUSS and ALMA CALDWELL RUSS, his wife	1,680	0
5-11	pt 9	6	WILLIAM PRATT and EUGENA PRATT, his wife	3,500	0
5-12	pt 9	6	ARCHIE PRINCE and MARY JULIE PRINCE, his wife	3,500	0
5-13	pt 8	6	CLIMBE BEVILS, MILDRED LEE BEVILS, and ODIE JONES	4,200	0
5-14	7	6	MARY SULLIVAN	8,400	0
5-15	6	6	ROSE HALLORAN	8,400	0
5-16	pt 1	6	JOE BUSH and ABBIE BUSH, his wife	4,200	0
5-17	pt 1	6	HARRISON MISSIONARY BAPTIST CHURCH	4,200	0
5-18	pt 2	6	DANIEL P. RAWLEY and BETTY RAWLEY, his wife	4,900	0
5-19	pt 2	6	JAMES F. GALVIN	3,500	0
5-20	pt 3	6	FRANK RANDLE and ETHEL RANDLE, his wife	4,200	0
5-21	pt 3	6	BETTIE J. JOHNSON	4,200	0
5-22	pt 5	6	CONNIE JORDAN and CALLIE BUGG, his sister	2,400	0
5-23	pt 5	6	WILLIAM CANNON	3,000	0
5-24	pt 5	6	WILLIS F. CARL	3,000	0
5-25	pt 7	14	JOHNNIE HENRY BURNSIDE and ETHEL ERNESTINE BURNSIDE, his wife	4,200	0
5-26	pt 6	14	FRITZ SILBERMAN	6,000	0
5-27	pt 6	14	JAMES E. BEERS and MOLLIE BEERS, his wife	2,400	0
5-28	pt 10	12	ANNA WINKLER	4,200	0
5-29	pt 10	12	GREGORY TURNER and JESSIE TURNER, his wife	4,200	0
5-30	pt 9	12	LUCY BOUNDS	4,340	0
5-31	pt 8	12	W.A. KOPP and ANITA E. KOPP, his wife	4,900	0
5-32	pt 8	12	MOSES HUGHES and GEORGIA L. HUGHES, his wife	3,500	0
5-33	pt 1	12	SIDNEY THORNTON and BELLA THORNTON, his wife	4,200	0
5-34	pt 2	12	WILLIAM Z. TROUT and NORA TROUT, his wife	5,600	0
5-35	pt 3	12	FOSTER CALVERT and BORIS M. CALVERT, his wife	7,560	0
5-36	pt 3	12	EDWIN J. SIERON	3,920	0
5-37	pt 3	12	CHARITY FANNELL	3,920	0
5-38	pt 4	6	GORDON CURD	3,430	0
5-39	pt 4	6	HAROLD G. BAKER	770	0
5-40	pt 4	6	JOSEPHINE MORAWSKI and ANDREW MORAWSKI, her husband	4,200	0
5-41	pt 11	13	CITY OF EAST ST. LOUIS	8,400	0
5-42	pt 6	5	JAMES H. OLDHAM and ETHER OLDHAM, his wife	2,100	0

5-43	pt 6	5	ROBERT C. EASTERN and INEZ EASTERN, his wife	3,150	0
5-44	pt 8	5	ALLEN J. DIXON and LUKLE DIXON, his wife	4,200	0
5-45	pt 9	12	HERBERT E. HOTTES	4,060	0
5-46	pt 10	6	ELIZABETH CAMPBELL, et. al.	3,340	0
5-47	pt 9	6	ROSELLER MARIE NELSON	5,600	0
5-50	1	7	JACK GIGGER and WILLIE GIGGER, his wife	931	7,469
5-51	pt 7	14	J.P. DRURY	2,060	2,140
5-52	pt 7	12	ARTHUR TUCKER and ETHEL TUCKER, his wife	1,336	2,864
5-51A	pt 9	5	HERBERT E. HOTTES	9240	0
5-51B	pt 9	5	HERBERT E. HOTTES	4,200	0
5-51C	pt 9	5	HERBERT E. HOTTES	21,000	0
5-58	pt 8	14	ELDRA ROWERY and ANNA MAE ROWERY, his wife	696	2,384
5-59	5	14	LOUIS D. HAGES and CHERRY L. HAGES, his wife	1,243	7,157
5-60	pt 8	12	HERBERT E. HOTTES	912	7,488
5-60A	pt 8	12	HERBERT E. HOTTES	2,207	1,993
5-61	pt 8	14	EMMA L. YEACH	90	5,230

- LEGEND
- AC — Access Control and Right of Way line
 - P — Property line
 - S — Some Ownership
 - E — Existing R.O.W. line
 - (100) — Recorded dimension
 - 10 — Lot Number
 - R — Residential
 - C — Commercial
 - G — Garage
 - S — Shed
 - 1 1/2 — 1 1/2 - Stories
 - F — Frame
 - B — Brick
 - C.B. — Concrete Block
 - AC — Access Control line

I hereby certify that this is a correct Plot showing the Right of Way required for a Highway known as Federal Aid Interstate Route 70, located in the City of East St. Louis, St. Clair County, Illinois, as now surveyed and staked out by H. W. Lochner, Inc., for the Department of Public Works and Buildings of the State of Illinois.

by _____ Illinois Land Surveyor _____ Date _____
 Approved _____ District Engineer _____ Date _____

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS
F. A. I. ROUTE 70
RIGHT OF WAY PLAN
 TRENDLEY AVE. TO BOND AVE.
 SCALE: 1" = 50'

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

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

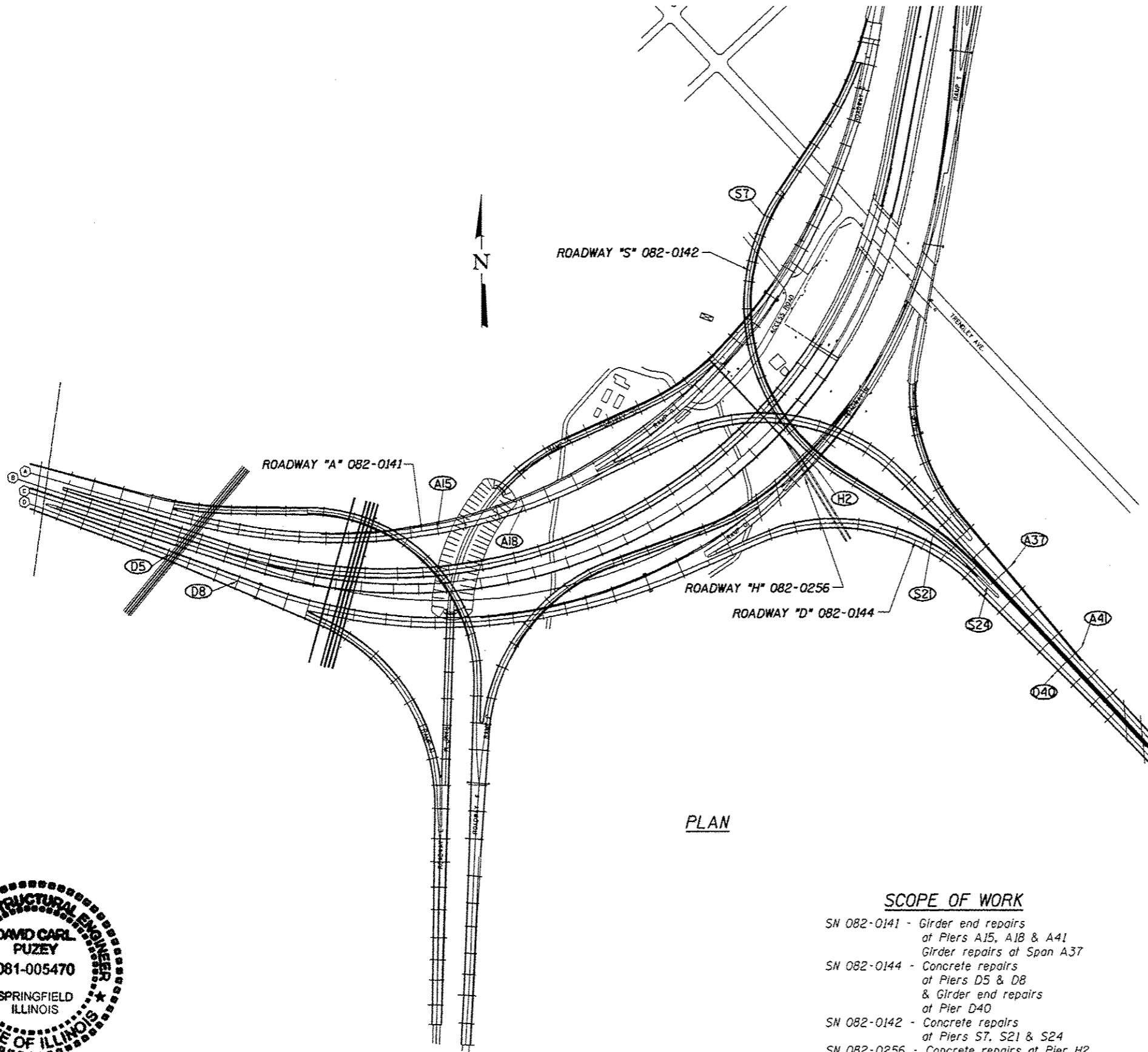
Fasteners shall be high strength bolts. Bolts 7/8"φ, open holes 15/16"φ, unless otherwise noted.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the GBSP "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair.

Shotcrete is only allowed for the Structural Repair of Concrete on the underside of the cross beams. Column repairs to be completed using Formed Concrete. See Special Provisions.



PLAN

SCOPE OF WORK

- SN 082-0141 - Girder end repairs at Piers A15, A1B & A41
Girder repairs at Span A37
- SN 082-0144 - Concrete repairs at Piers D5 & D8 & Girder end repairs at Pier D40
- SN 082-0142 - Concrete repairs at Piers S7, S21 & S24
- SN 082-0256 - Concrete repairs at Pier H2

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Lbs.	5050
Structural Repair of Concrete Depth ≤ 5"	Sq. Ft.	1961
Temporary Shoring & Cribbing	Each	11
Fiber Wrap	Sq. Ft.	2540
Acrylic Coating	Sq. Yd.	282
Column Tensioned Strands	Each	4



Expires: November 30, 2018

DESIGNED - *[Signature]*
 CHECKED - *[Signature]*
 DRAWN - Kyle M. Steffen/baliva
 CHECKED - *[Signature]*

PASSED

[Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2017

REVISED
 REVISED

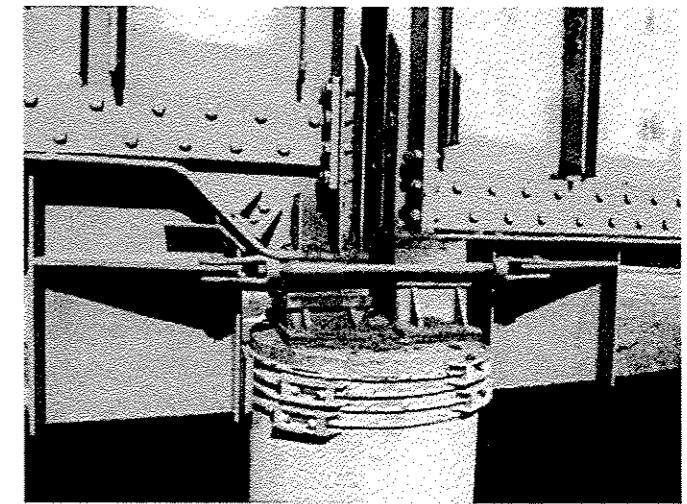
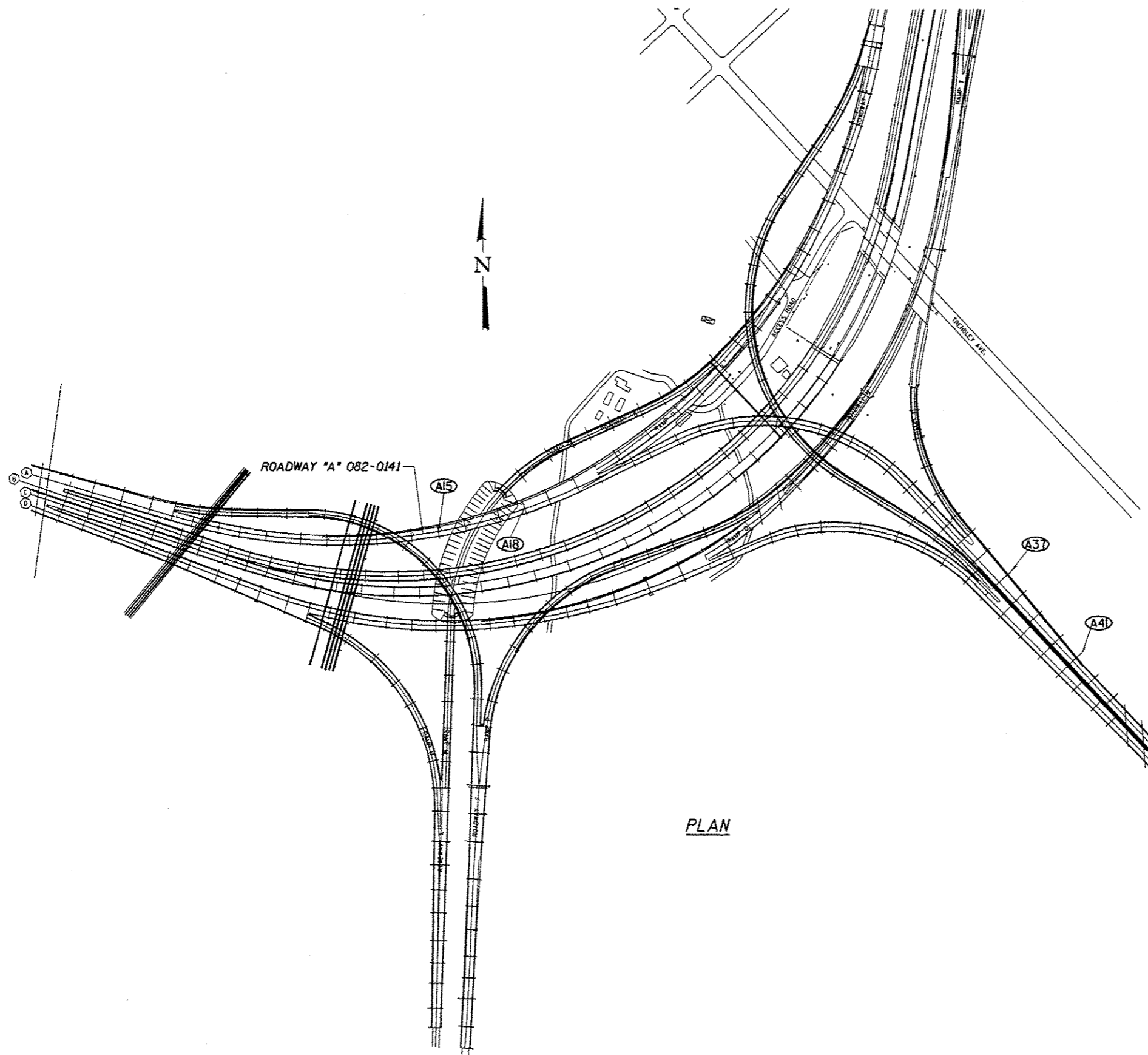
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
 POPLAR STREET BRIDGE APPROACH REPAIRS
 SN 082-0141, 0142, 0144 & 0256

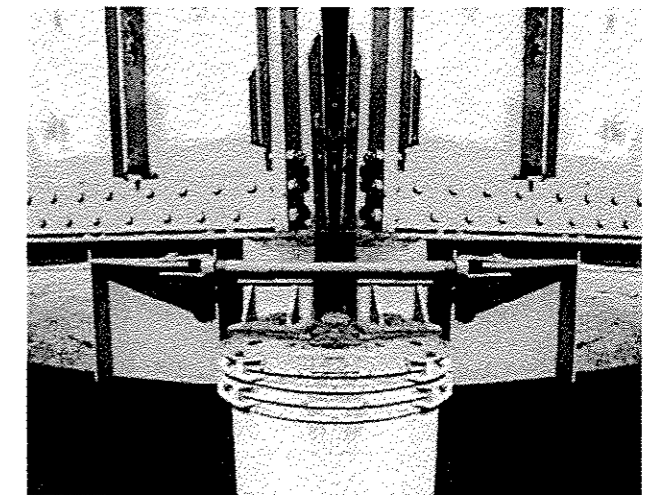
SHEET NO. 1 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	15

CONTRACT NO. 76J68
 ILLINOIS FED. AID PROJECT



PIER A15



PIER A18



PIER A41

DESIGNED - VHV
 CHECKED - DAB
 DRAWN - balliva
 CHECKED - VHV OAB

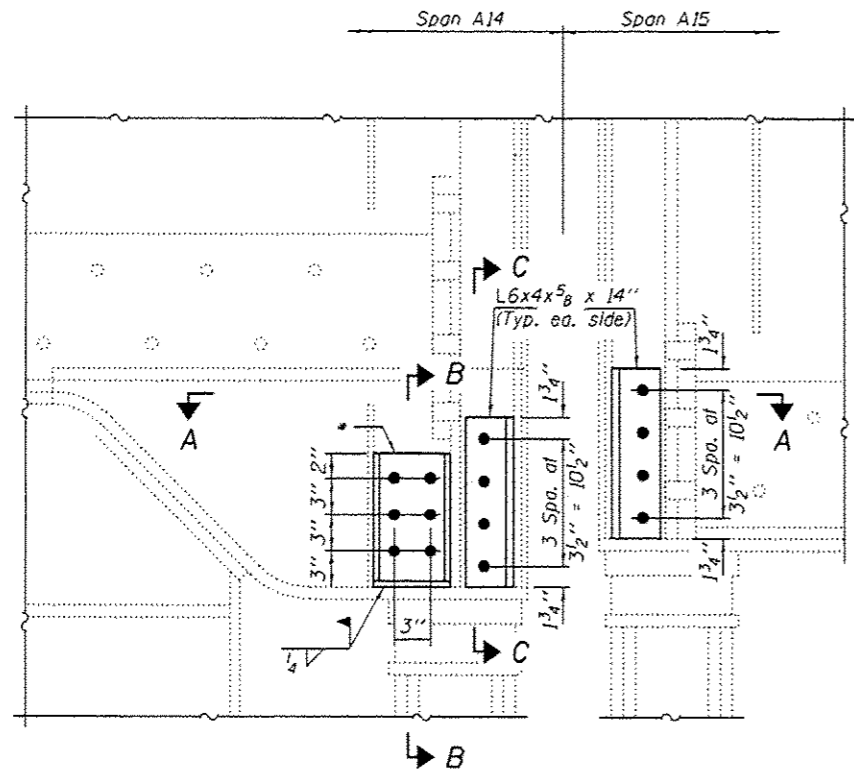
PASSED
[Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2017
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY "A"
 SN 082-0141
 SHEET NO. 2 OF 13 SHEETS

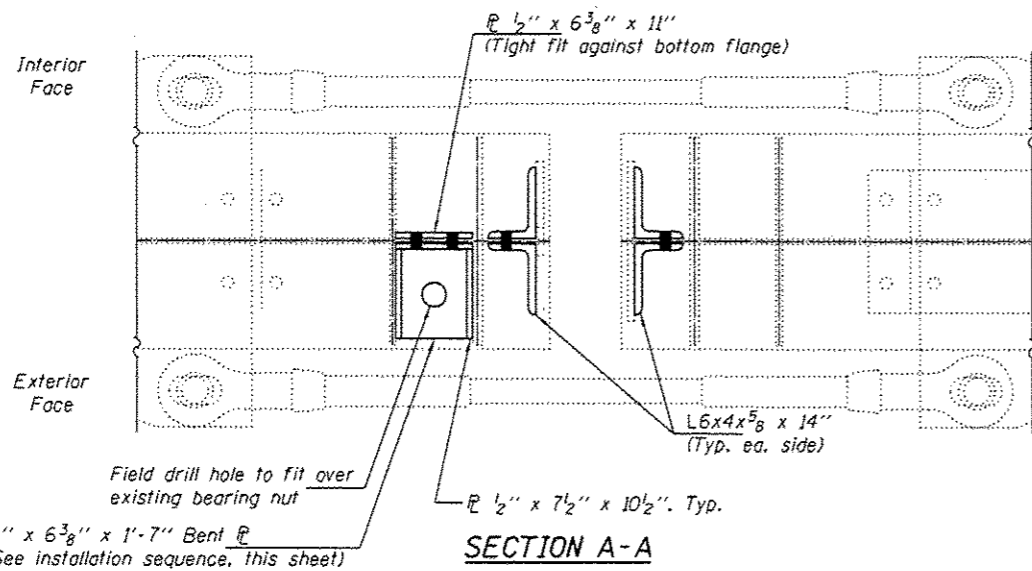
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	B2-3HVB-2R-2-B-R	ST. CLAIR	27	16
				CONTRACT NO. 76J68
ILLINOIS FED. AID PROJECT				



PIER A15 GIRDER END REPAIR DETAILS

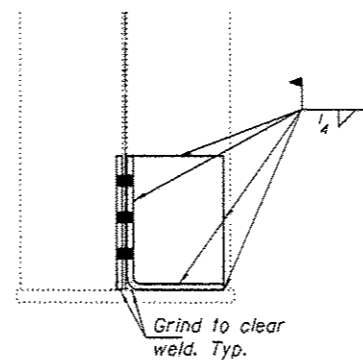
(Typ. Girders A1 & A2)

- 1/2" x 6 3/8" x 1'-7" Bent \bar{P} Exterior face
- \bar{P} 1/2" x 6 3/8" x 11" Interior face

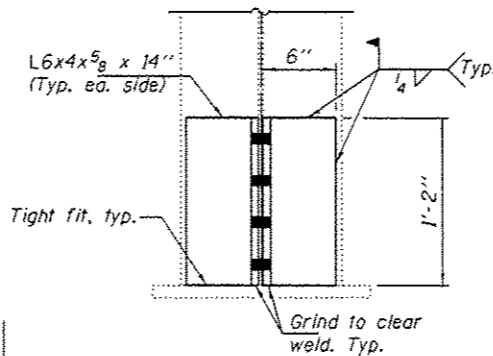


INSTALLATION SEQUENCE

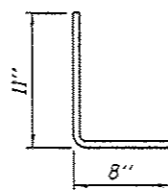
- 1) Install bent plate over bearing nut.
- 2) Bolt bent plate to web and weld outstanding leg to bottom flange.
- 3) Install 1/2" x 7 1/2" x 10 1/2" plate tight against bent plate and stiffener.
- 4) Field weld 1/2" x 7 1/2" x 10 1/2" plate to bent plate and stiffener.



SECTION B-B

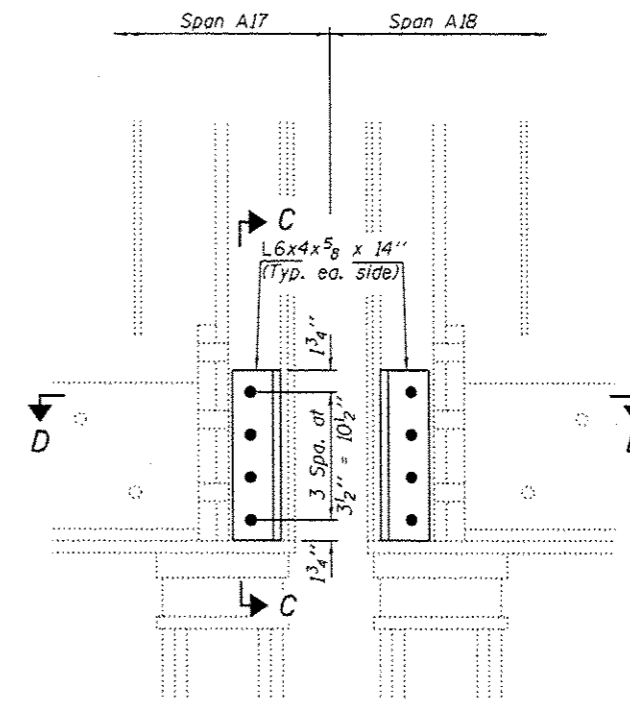


SECTION C-C



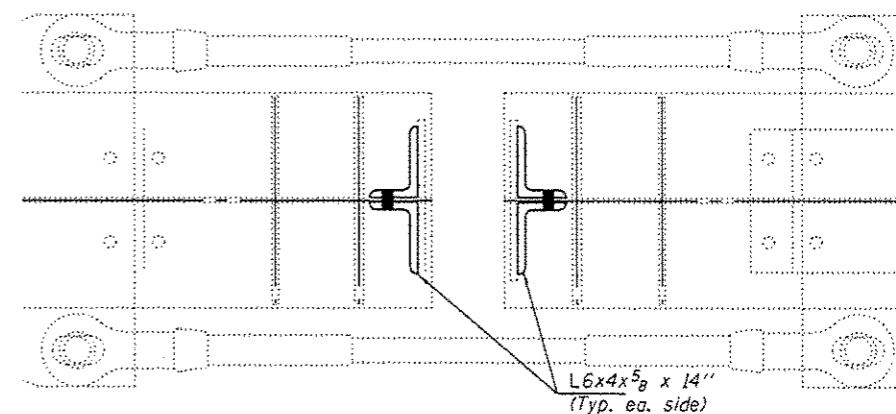
BENT PLATE

\bar{P} 1/2" x 6 3/8" x 1'-7" (2 Required)



PIER A18 GIRDER END REPAIR DETAILS

(Typ. Girders A1 & A2)



SECTION D-D

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	480

DESIGNED - VHV
 CHECKED - DAB
 DRAWN - Kyle M. Stoffen/balva
 CHECKED - VHV DAB

PASSED

Carl Perry
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2017

REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY "A" BEAM REPAIR DETAILS

PIER A15 & PIER A18

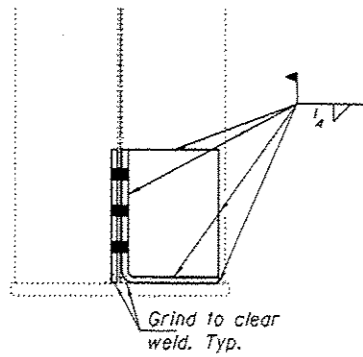
SN 082-0141

SHEET NO. 3 OF 13 SHEETS

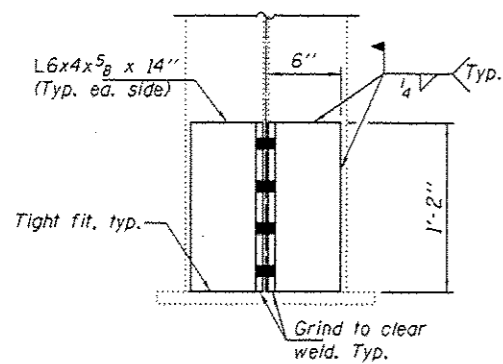
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV8-2R-2-B-R	ST. CLAIR	27	17

CONTRACT NO. 76J68

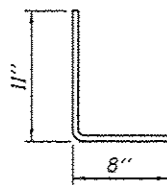
ILLINOIS FED. AID PROJECT



SECTION B-B



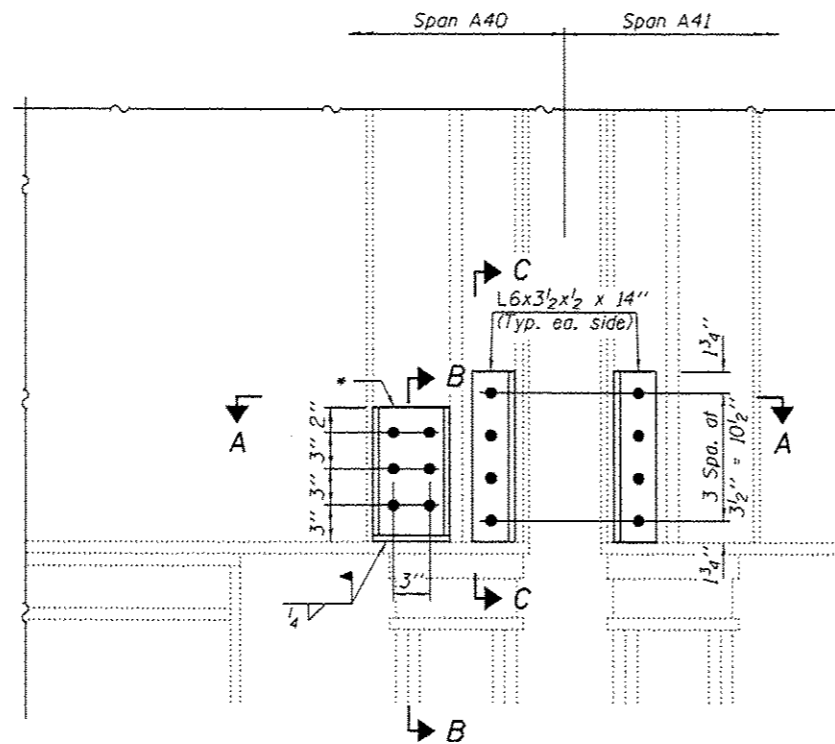
SECTION C-C



BENT PLATE
 1/2" x 6 3/8" x 1'-7"
 (2 Required)

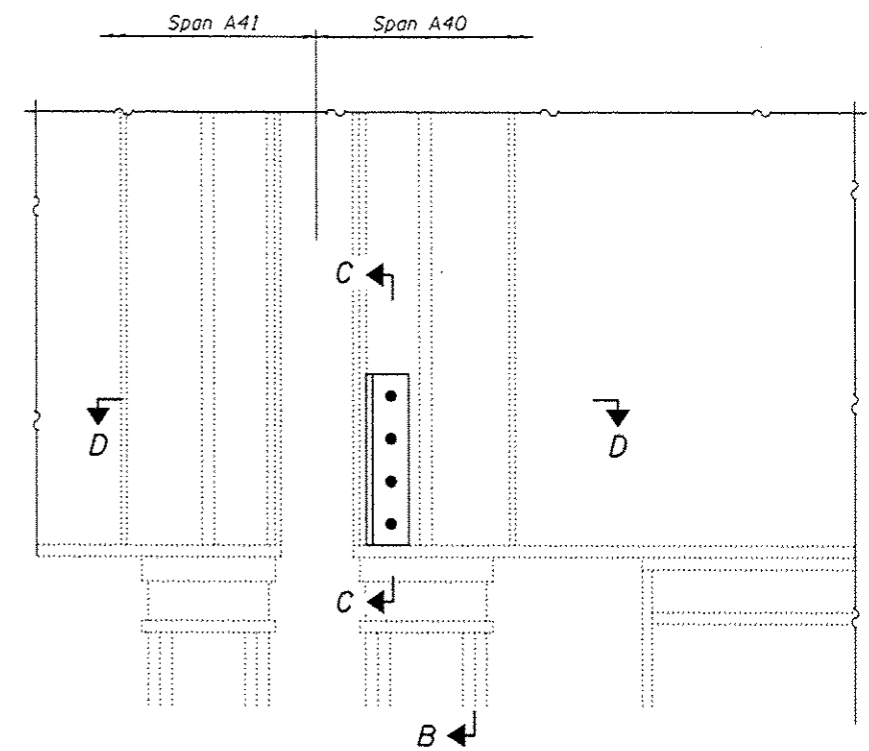
INSTALLATION SEQUENCE

- 1) Install bent plate over bearing nut.
- 2) Bolt bent plate to web and weld outstanding leg to bottom flange.
- 3) Install 1/2" x 7 1/2" x 10 1/2" plate tight against bent plate and stiffener.
- 4) Field weld 1/2" x 7 1/2" x 10 1/2" plate to bent plate and stiffener.



PIER A41 GIRDER END REPAIR DETAILS

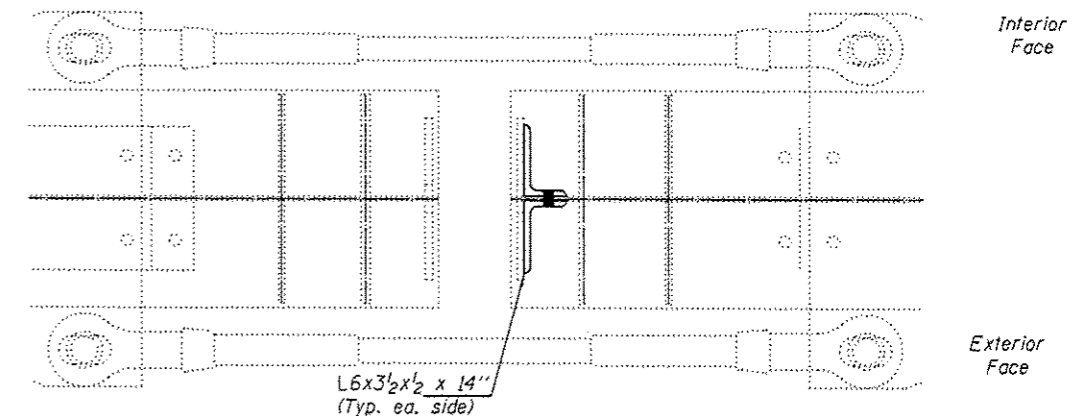
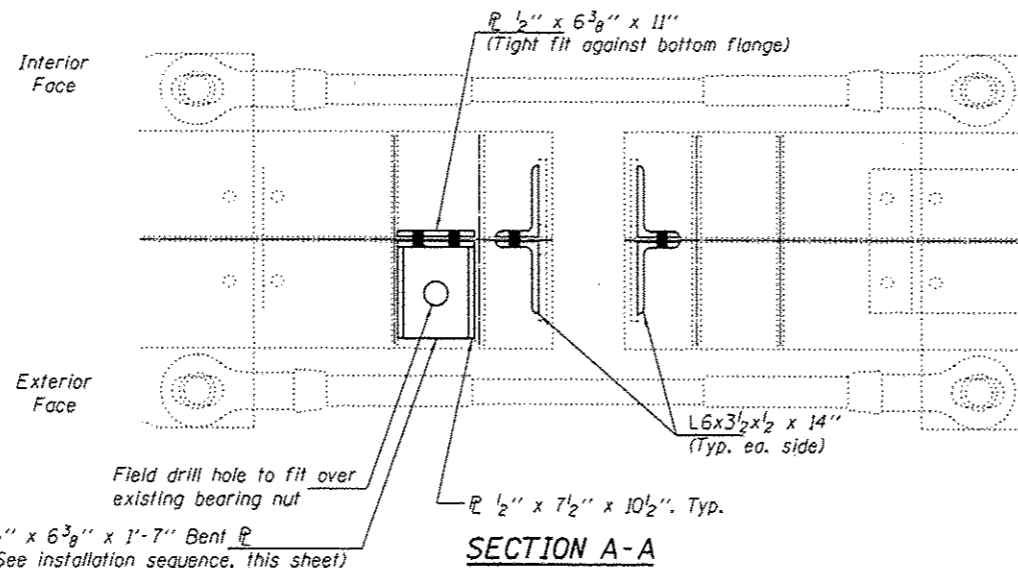
(Typ. Inside Face Girder A1)



PIER A41 GIRDER END REPAIR DETAILS

(Typ. Inside Face Girder A2)

1/2" x 6 3/8" x 1'-7" Bent Pl. Exterior face
 1/2" x 6 3/8" x 11" Interior face



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	170

DESIGNED - VHV
 CHECKED - DAB
 DRAWN - Kyle M. Stoffen/balva
 CHECKED - VHV DAB

PASSED

Carl Papp
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2017

REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY "A" BEAM REPAIR DETAILS

PIER A41

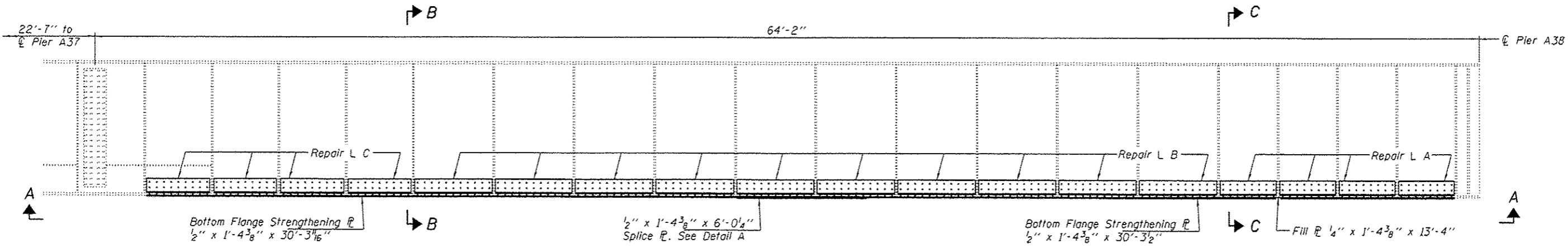
SN 082-0141

SHEET NO. 4 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	18

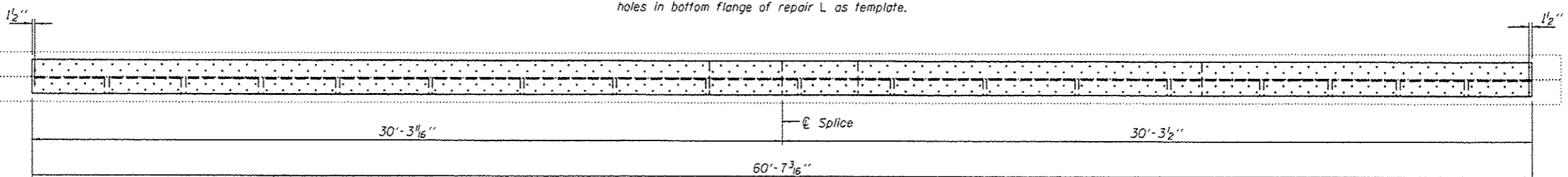
CONTRACT NO. 76J68

ILLINOIS FED. AID PROJECT



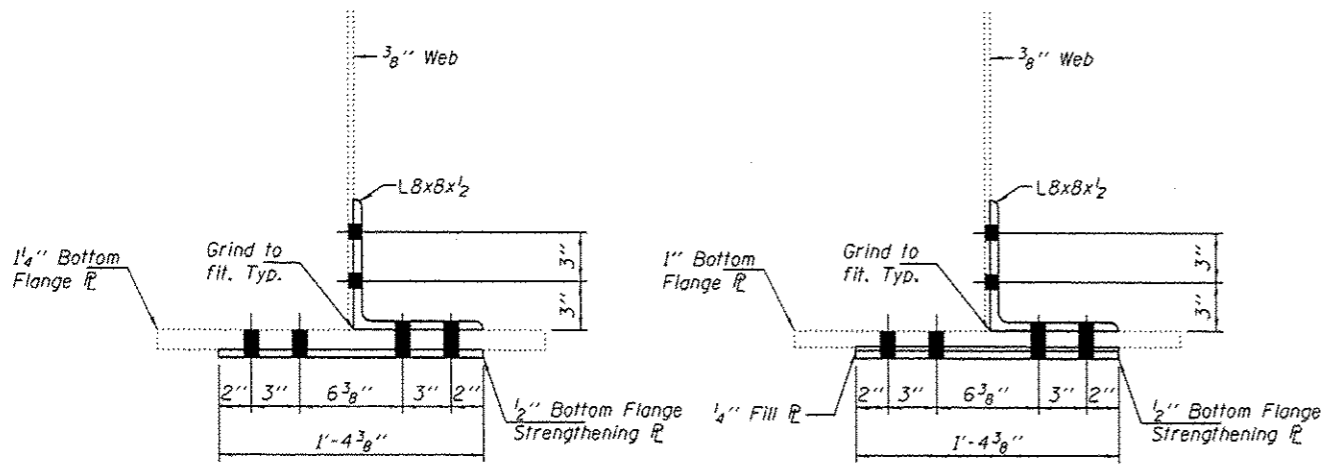
SPAN A37, GIRDER A2 BEAM STRENGTHENING DETAIL
(Looking at exterior face of Girder A2)

Note:
Drill holes in bottom flange repair R using holes in bottom flange of repair L as template.



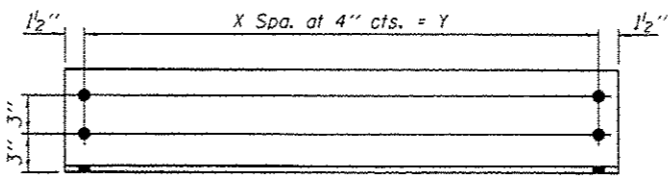
VIEW A-A

Cleaning & painting of all connections on this sheet shall meet the requirements for Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

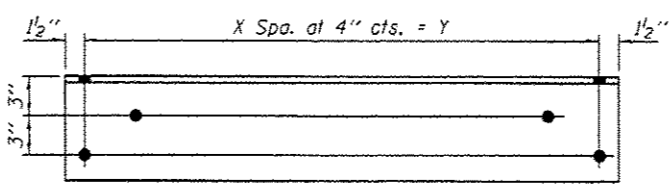


SECTION B-B

SECTION C-C



ELEVATION



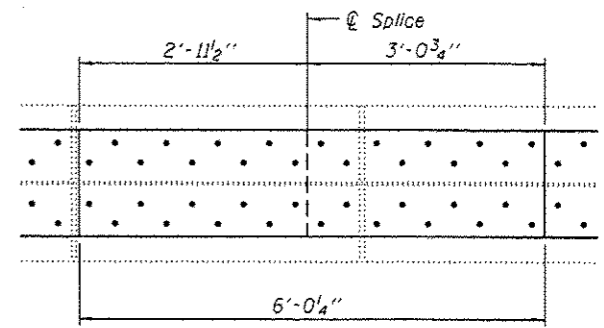
PLAN

REPAIR L

L 8x8x1/2 x L

REPAIR L DIMENSIONS

L	L	X	Y	No. req'd.
A	2'-7"	7	2'-4"	4
B	3'-7"	10	3'-4"	10
C	2'-11"	8	2'-8"	4



DETAIL A

Splice R 1/2" x 1'-4 3/8" x 6'-0 1/4" (1 Required)
Repair angles not shown for clarity.
Drill holes in Splice R using holes in bottom flange of repair L as template.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	4140

DESIGNED - VHV
CHECKED - DAB
DRAWN - bollva
CHECKED - VHV DAB

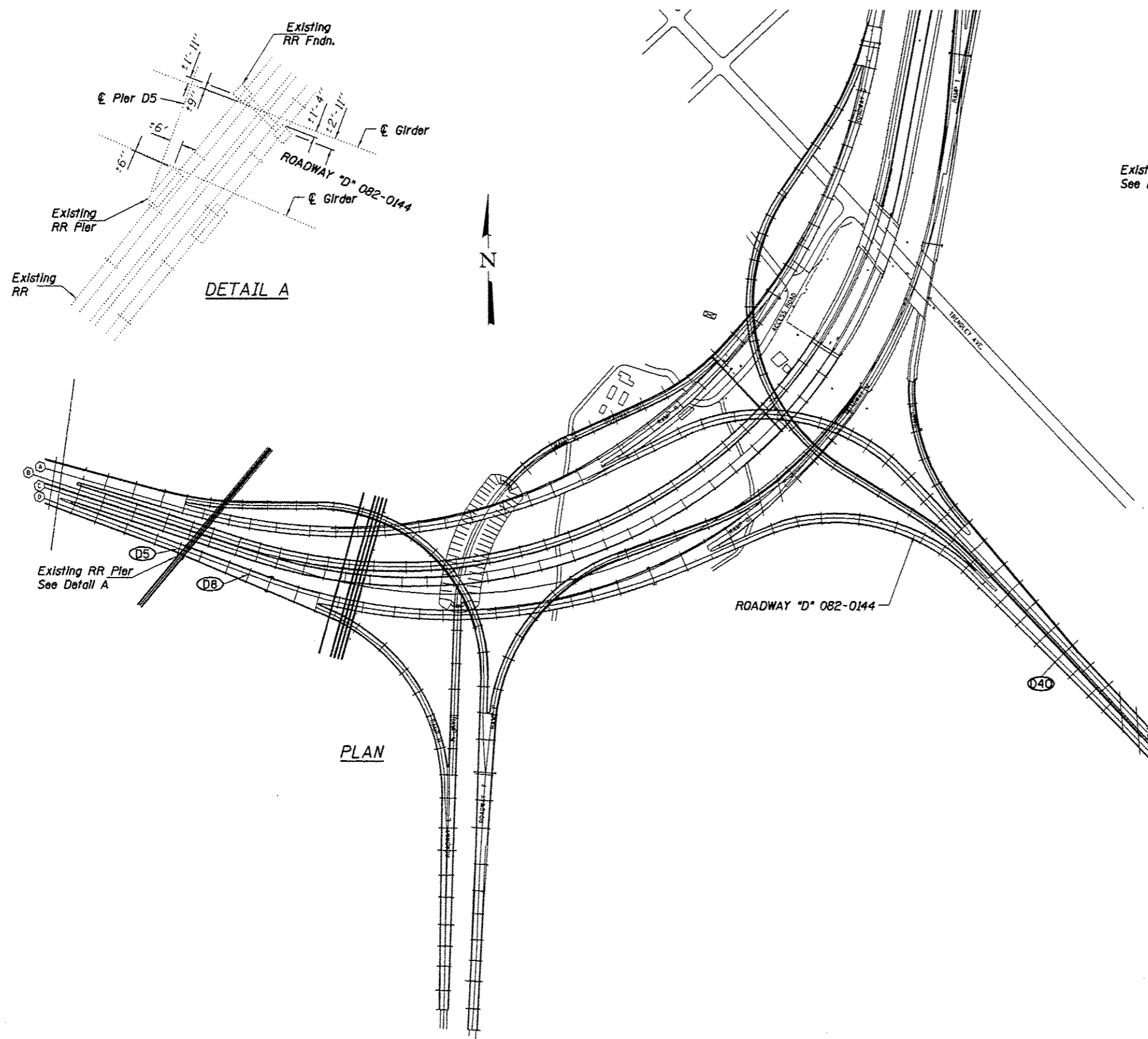
DATE - JANUARY 30, 2017
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOTTOM FLANGE REPAIR (SPAN A37, GIRDER A2)
ROADWAY "A"
SN 082-0141**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	19

CONTRACT NO. 76J68
ILLINOIS FED. AID PROJECT



Existing RR Pier
See Detail A

PIER D5



PIER D8



PIER D40

DESIGNED - VHV
CHECKED - DAB
DRAWN - bellva
CHECKED - VHV DAB

PASSED
A. Carl Pross
ENGINEER OF BRIDGES AND STRUCTURES

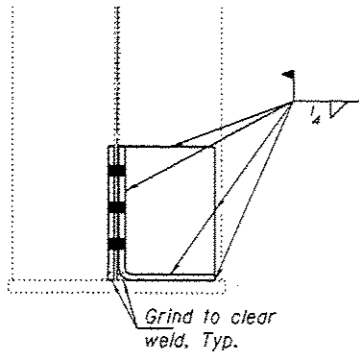
DATE - JANUARY 30, 2017
REVISED
REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

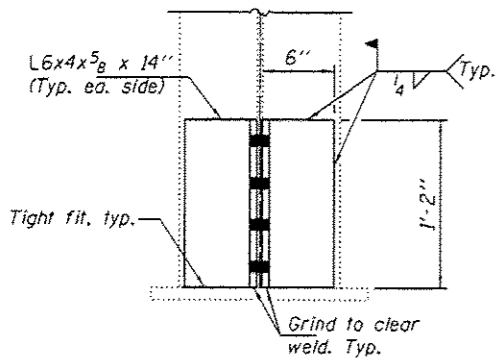
ROADWAY "D"
SN 082-0144

SHEET NO. 6 OF 13 SHEETS

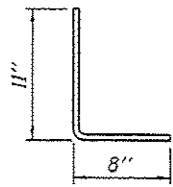
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	20
				CONTRACT NO. 76J68
ILLINOIS FED. AID PROJECT				



SECTION B-B



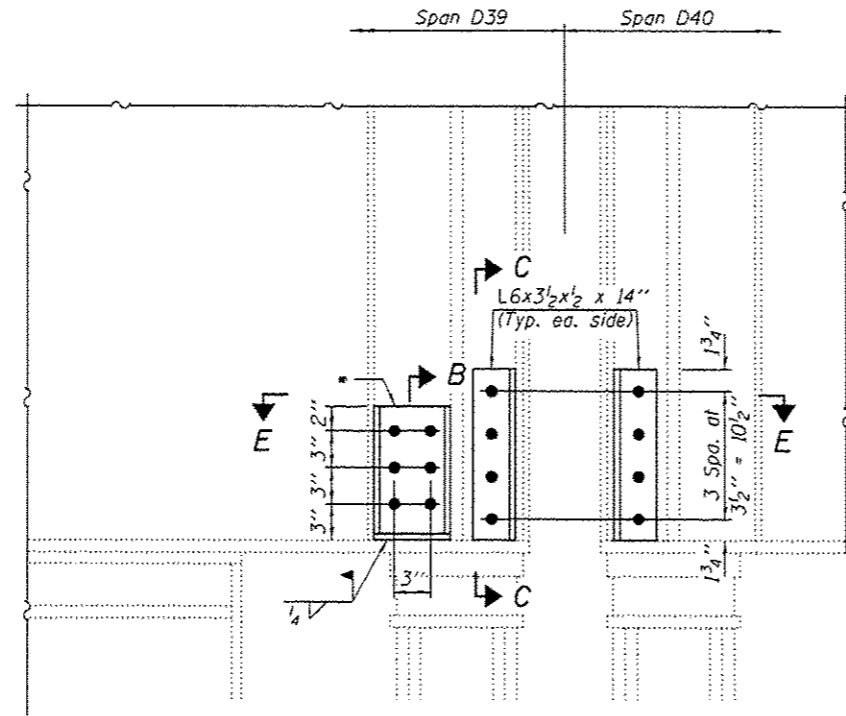
SECTION C-C



BENT PLATE
 $\frac{1}{2}$ " x 6 $\frac{3}{8}$ " x 1'-7"
 (2 Required)

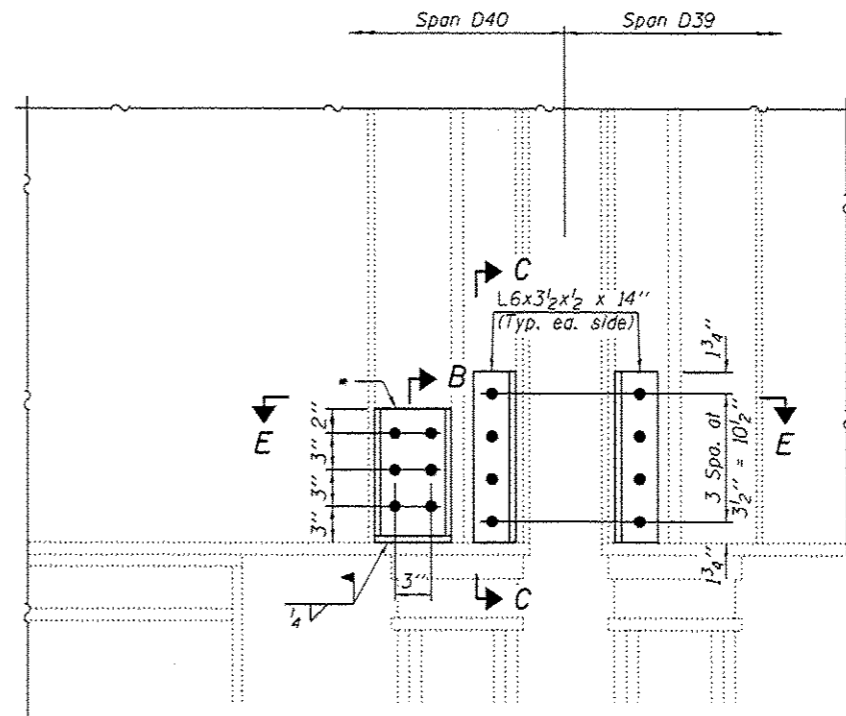
INSTALLATION SEQUENCE

- 1) Install bent plate over bearing nut.
- 2) Bolt bent plate to web and weld outstanding leg to bottom flange.
- 3) Install $\frac{1}{2}$ " x 7 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ " plate tight against bent plate and stiffener.
- 4) Field weld $\frac{1}{2}$ " x 7 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ " plate to bent plate and stiffener.



PIER D40 GIRDER END REPAIR DETAILS

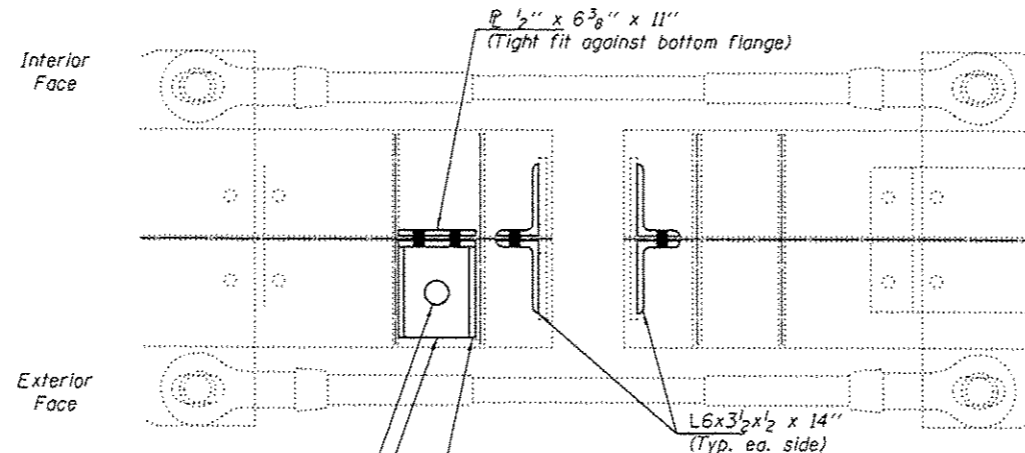
(Typ. Inside Face Girder D1)



PIER D40 GIRDER END REPAIR DETAILS

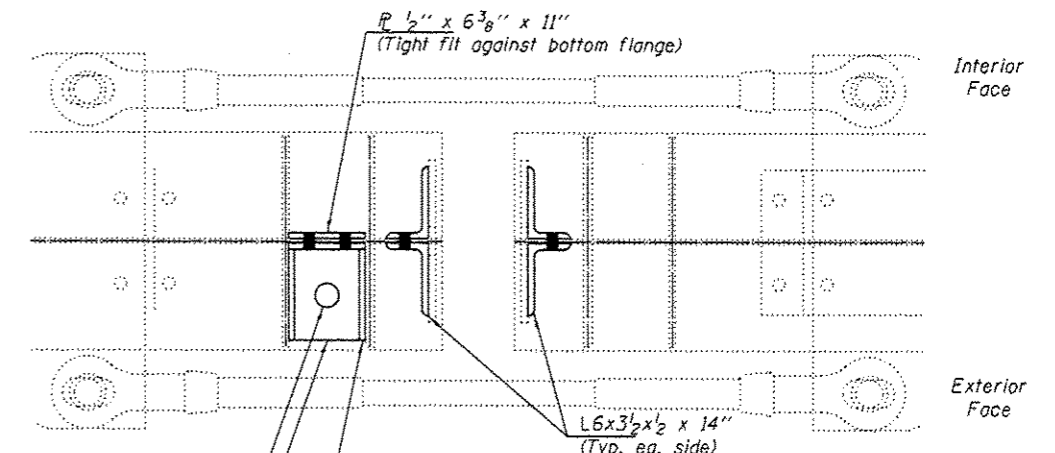
(Typ. Inside Face Girder D2)

* $\frac{1}{2}$ " x 6 $\frac{3}{8}$ " x 1'-7" Bent \square Exterior face
 $\frac{1}{2}$ " x 6 $\frac{3}{8}$ " x 11" Interior face



SECTION E-E

Field drill hole to fit over existing bearing nut
 $\frac{1}{2}$ " x 6 $\frac{3}{8}$ " x 1'-7" Bent \square
 (See Installation sequence, this sheet)



SECTION E-E

Field drill hole to fit over existing bearing nut
 $\frac{1}{2}$ " x 6 $\frac{3}{8}$ " x 1'-7" Bent \square
 (See Installation sequence, this sheet)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	260

DESIGNED - VHV
 CHECKED - DAB
 DRAWN - Kyle M. Steffen/balva
 CHECKED - VHV DAB

PASSED

Carl Perry
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2017

REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

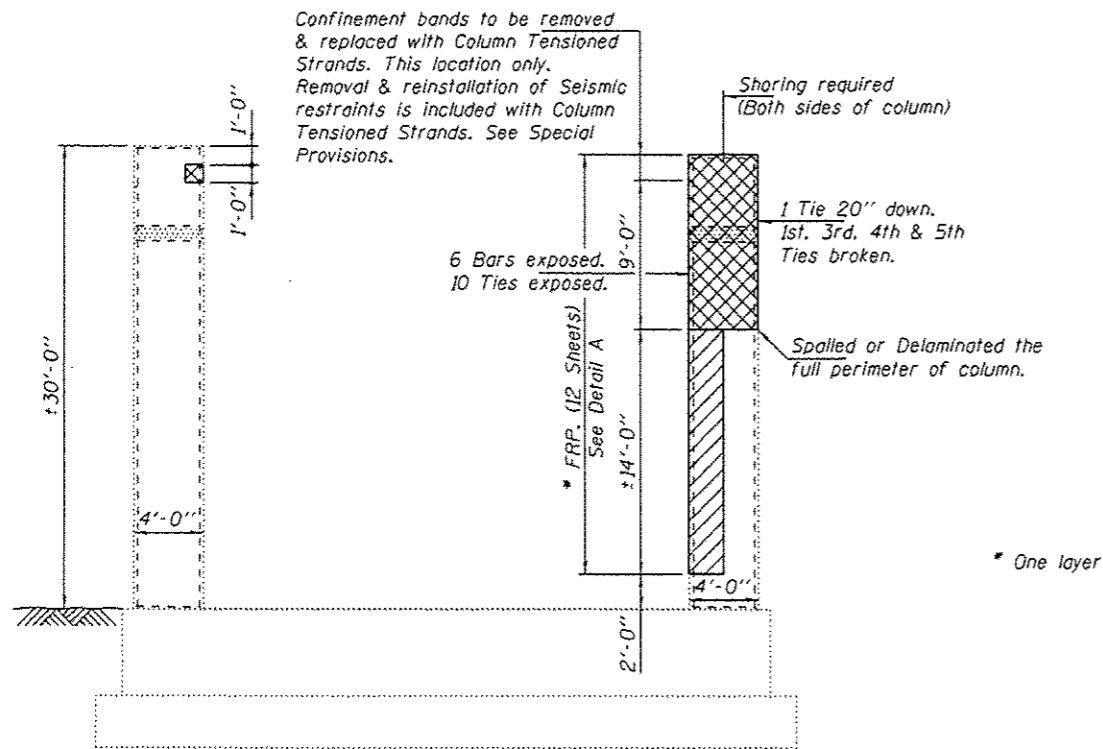
ROADWAY "B" BEAM REPAIR DETAILS

PIER D40

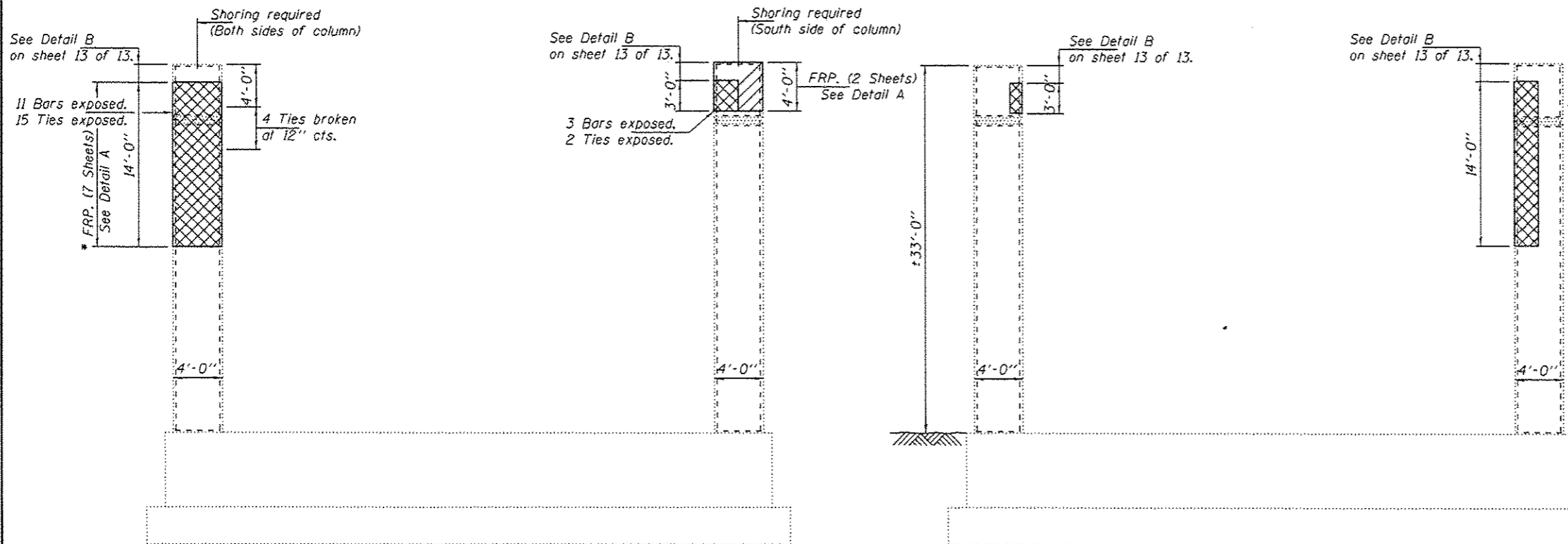
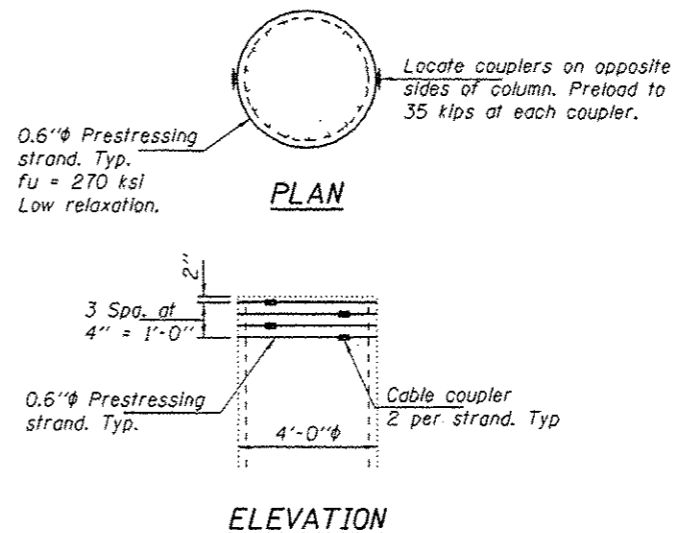
SN 082-0144

SHEET NO. 7 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	B2-3HVB-2R-2-B-R	ST. CLAIR	27	21
CONTRACT NO. 76J68			ILLINOIS FED. AID PROJECT	



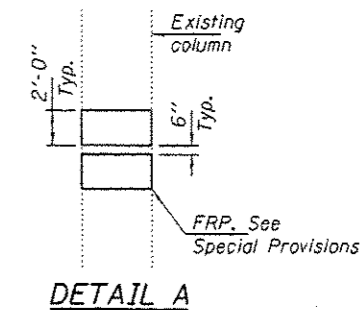
PIER D5 REPAIRS
(Looking Southeast)



PIER D8 REPAIRS
(Looking Northwest)

PIER D8 REPAIRS
(Looking Southeast)

- Delaminated Concrete
- Spalled Concrete with exposed bars.



Note:
For Pier Repair Details,
see sheet 9 of 13.

PIER D5			PIER D8		
REACTION TABLE AT TEMPORARY SHORING			REACTION TABLE AT TEMPORARY SHORING		
	Span D4	Span D5		Span D7	Span D8
Q (k)	102.0	78.0	Q (k)	78.0	78.0
L (k)	57.0	46.0	L (k)	46.0	46.0
Imp. (k)	12.0	11.0	Imp. (k)	11.0	11.0
Total (k)	171.0	135.0	Total (k)	135.0	135.0

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete Depth ≤ 5"	Sq. Ft.	587
Temporary Shoring & Cribbing	Each	5
Fiber Wrap	Sq. Ft.	725
Acrylic Coating	Sq. Yd.	80
Column Tensioned Strands	Each	4

DESIGNED - VHV
CHECKED - DAB
DRAWN - Kyle M. Steffen
CHECKED - VHV DAB

PASSED
Carl Perry
ENGINEER OF BRIDGES AND STRUCTURES

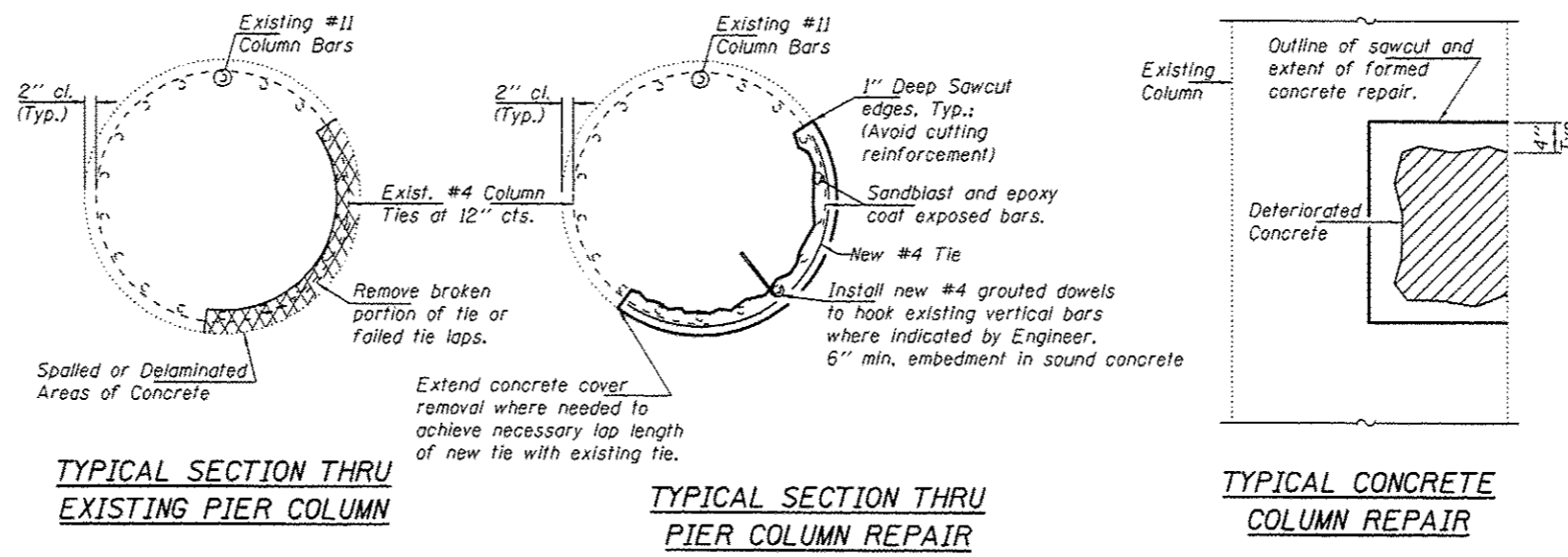
DATE - JANUARY 30, 2017
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR LOCATIONS
ROADWAY "D"
SN 082-0144
SHEET NO. 8 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	21	22

CONTRACT NO. 76J68
ILLINOIS FED. AID PROJECT



MINIMUM BAR LAP
#4 bar = 1'-10"

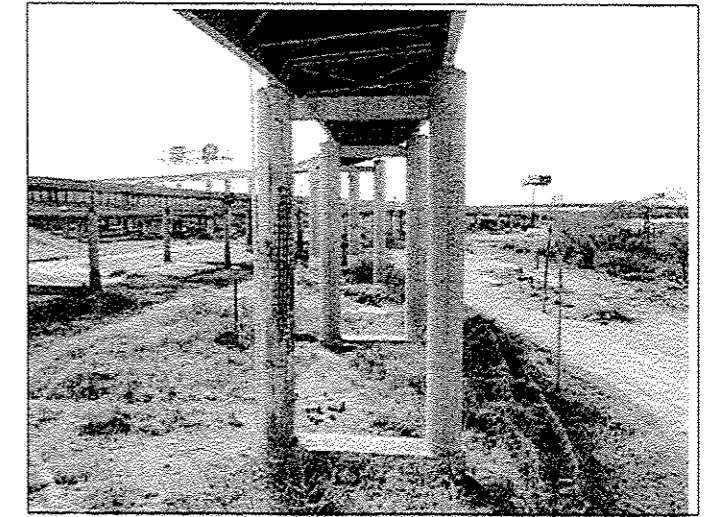
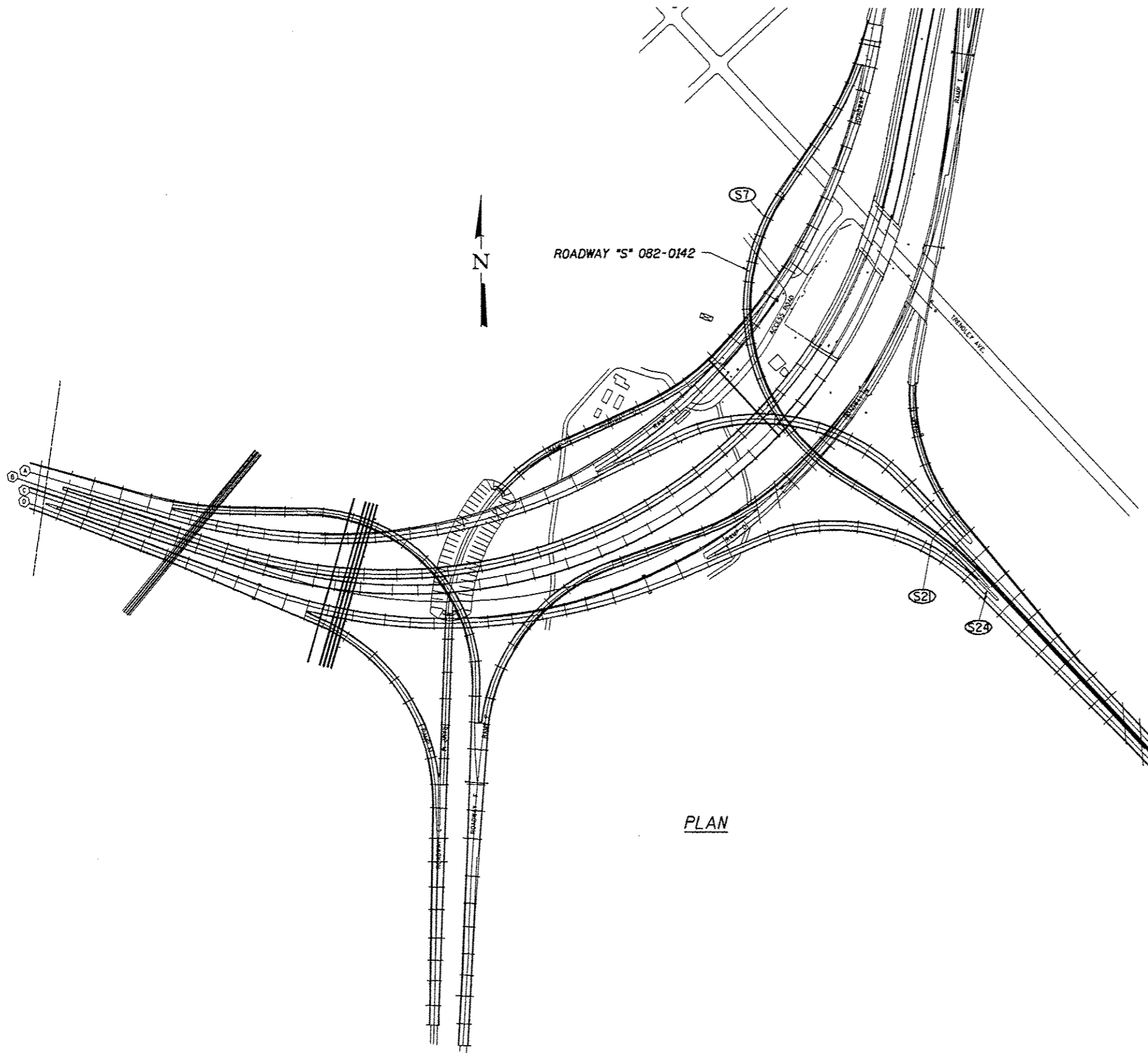
DESIGNED - VHV
 CHECKED - DAB
 DRAWN - Kyle M. Steffen
 CHECKED - VHV DAB

DATE - JANUARY 30, 2017
 PASSED
 ENGINEER OF BRIDGES AND STRUCTURES
 REVISED
 REVISED

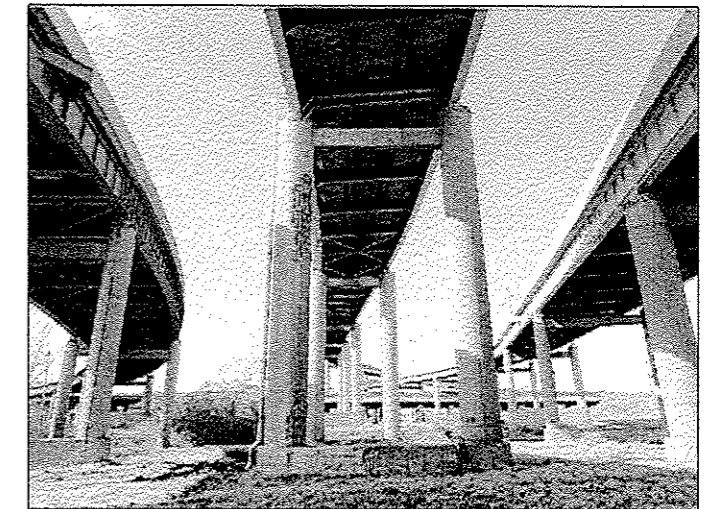
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR LOCATIONS
ROADWAY "D"
 SN 082-0144
 SHEET NO. 9 OF 13 SHEETS

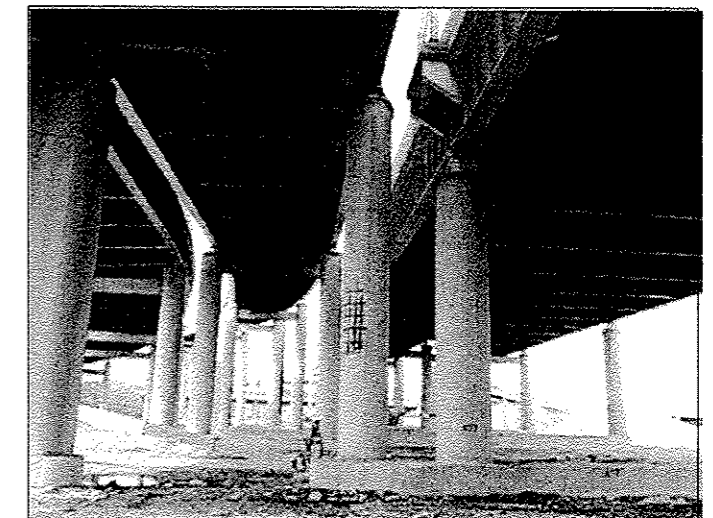
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	23
				CONTRACT NO. 76J68
ILLINOIS FED. AID PROJECT				



PIER S1




PIER S21



PIER S24

DESIGNED - VHV
 CHECKED - DAB
 DRAWN - ballva
 CHECKED - VHV DAB

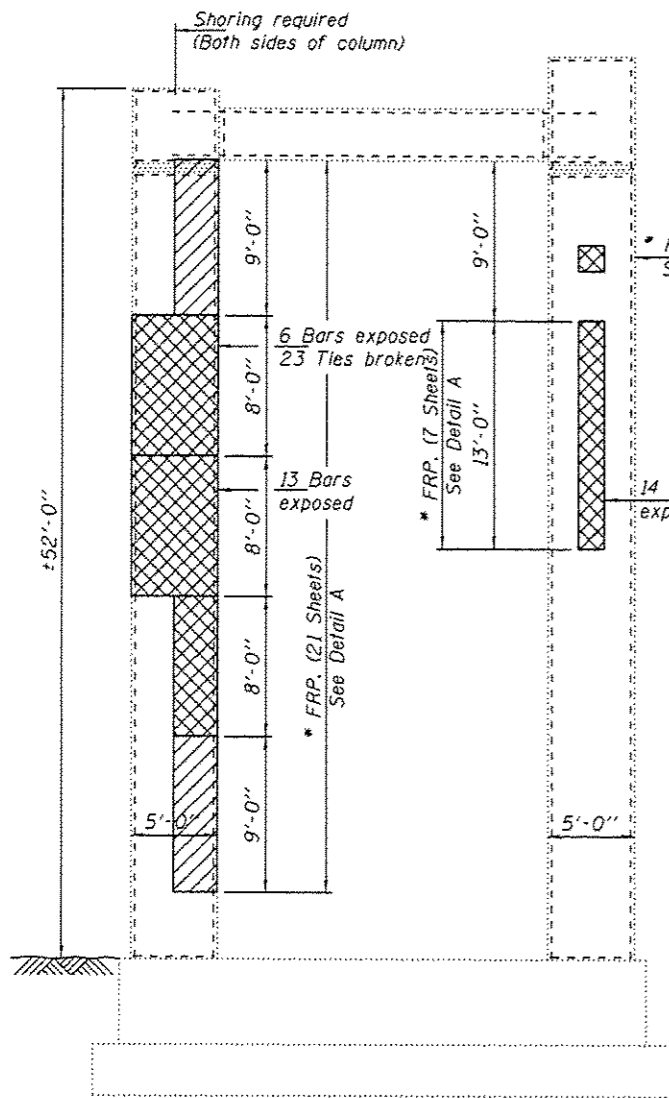
PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2017
 REVISED
 REVISED

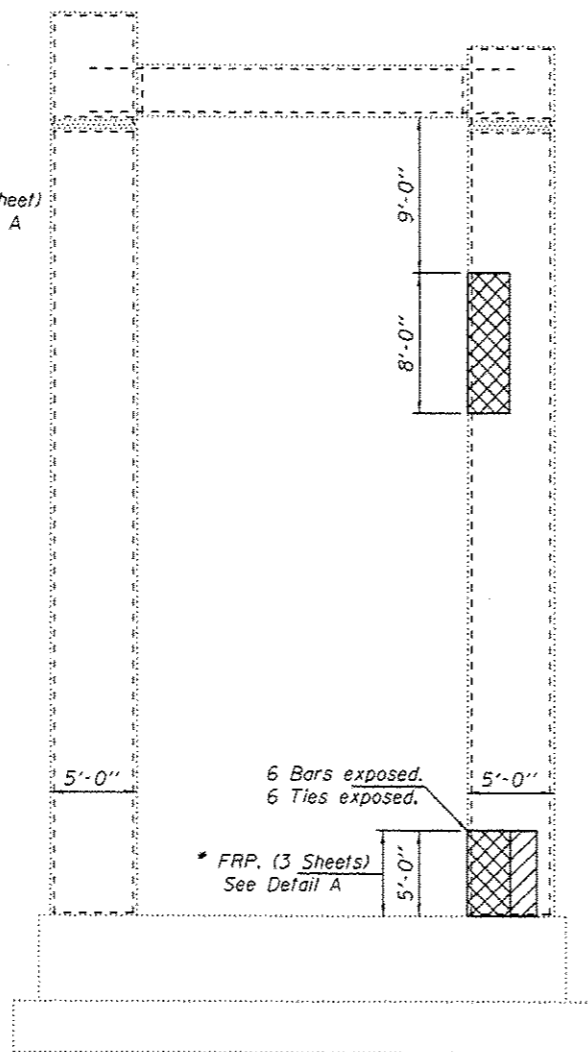
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY "S"
 SN 082-0142
 SHEET NO. 10 OF 13 SHEETS

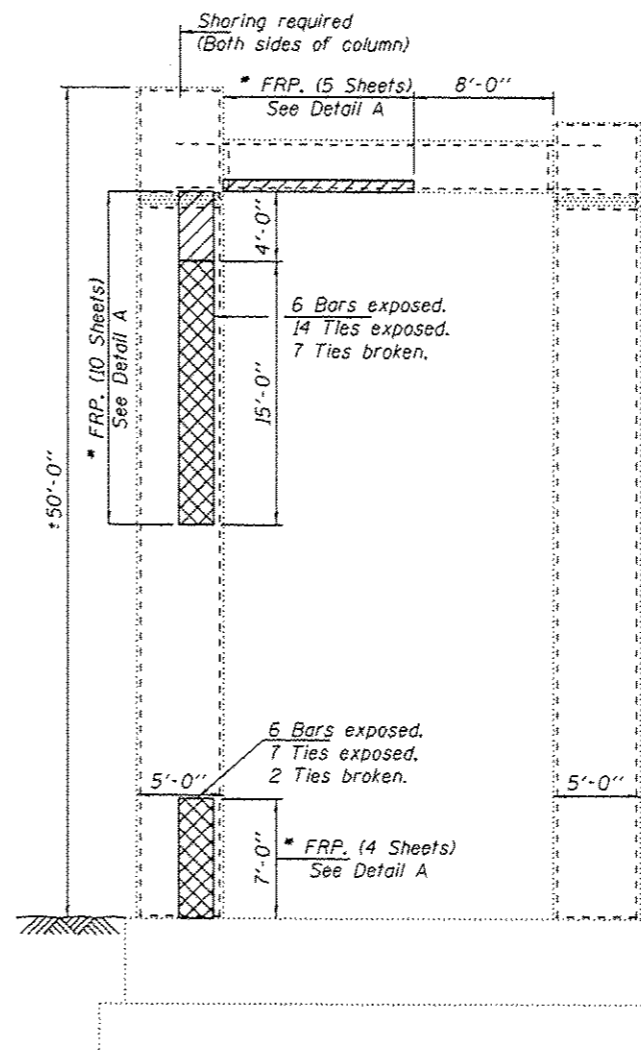
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	24
				CONTRACT NO. 76J68
ILLINOIS FED. AID PROJECT				



PIER S7 REPAIRS
(Looking Southwest)



PIER S7 REPAIRS
(Looking Northeast)



PIER S21 REPAIRS
(Looking Northwest)

PIER S7

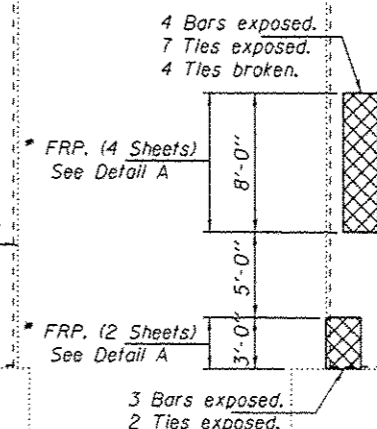
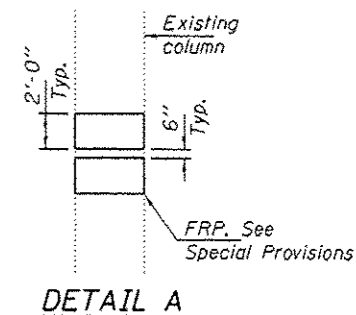
REACTION TABLE AT TEMPORARY SHORING

	Span S7	Span S8
Q (k)	94.0	65.0
L (k)	53.0	37.0
Imp. (k)	11.0	13.0
Total (k)	158.0	115.0

PIER S21

REACTION TABLE AT TEMPORARY SHORING

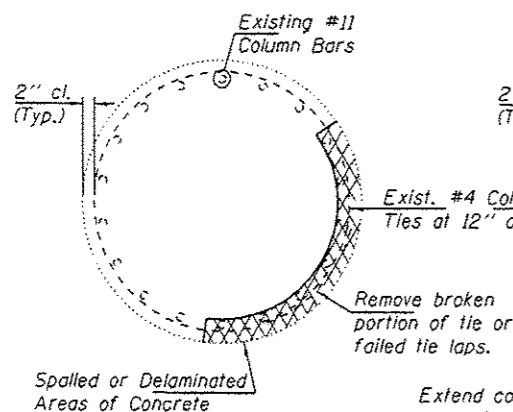
	Span S21	Span S22
Q (k)	101.0	78.0
L (k)	48.0	46.0
Imp. (k)	10.0	11.0
Total (k)	159.0	135.0



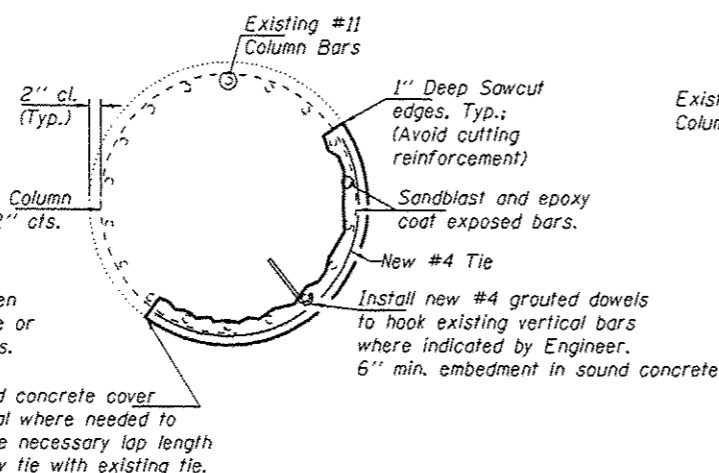
PIER S24 REPAIRS
(Looking Northwest)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete Depth ≤ 5"	Sq. Ft.	1310
Temporary Shoring & Cribbing	Each	4
Fiber Wrap	Sq. Ft.	1690
Acrylic Coating	Sq. Yd.	188

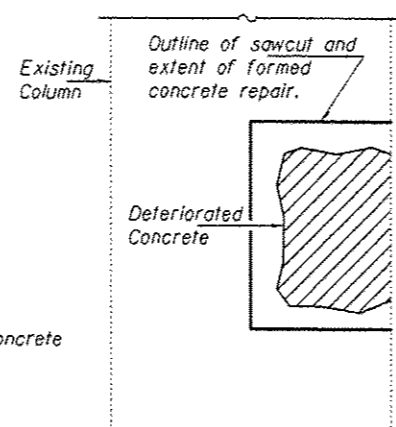


TYPICAL SECTION THRU EXISTING PIER COLUMN

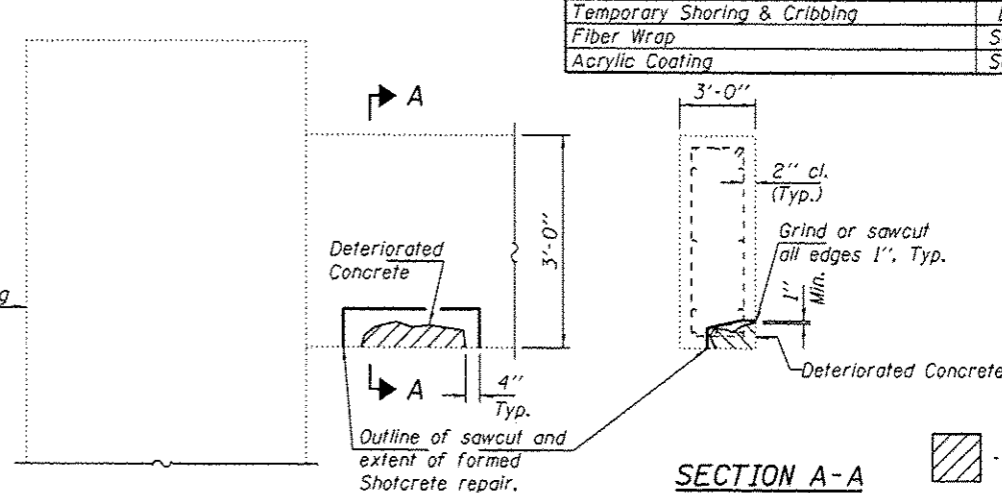


TYPICAL SECTION THRU PIER COLUMN REPAIR

MINIMUM BAR LAP
#4 bar = 1'-10"



TYPICAL CONCRETE COLUMN REPAIR



TYPICAL CONCRETE TIE BEAM REPAIR

Delaminated Concrete

Spalled Concrete with exposed bars.

DESIGNED - VHV
CHECKED - DAB
DRAWN - Kyle M. Steffen
CHECKED - VHV DAB

PASSED

Carl Perry
ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2011

REVISED

REVISED

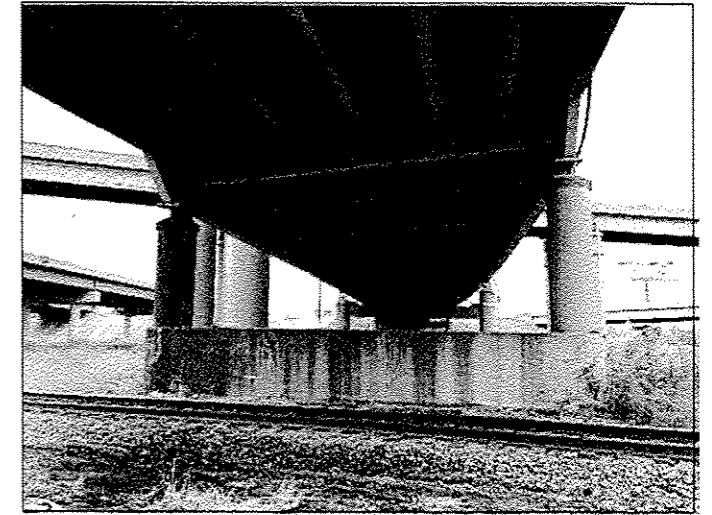
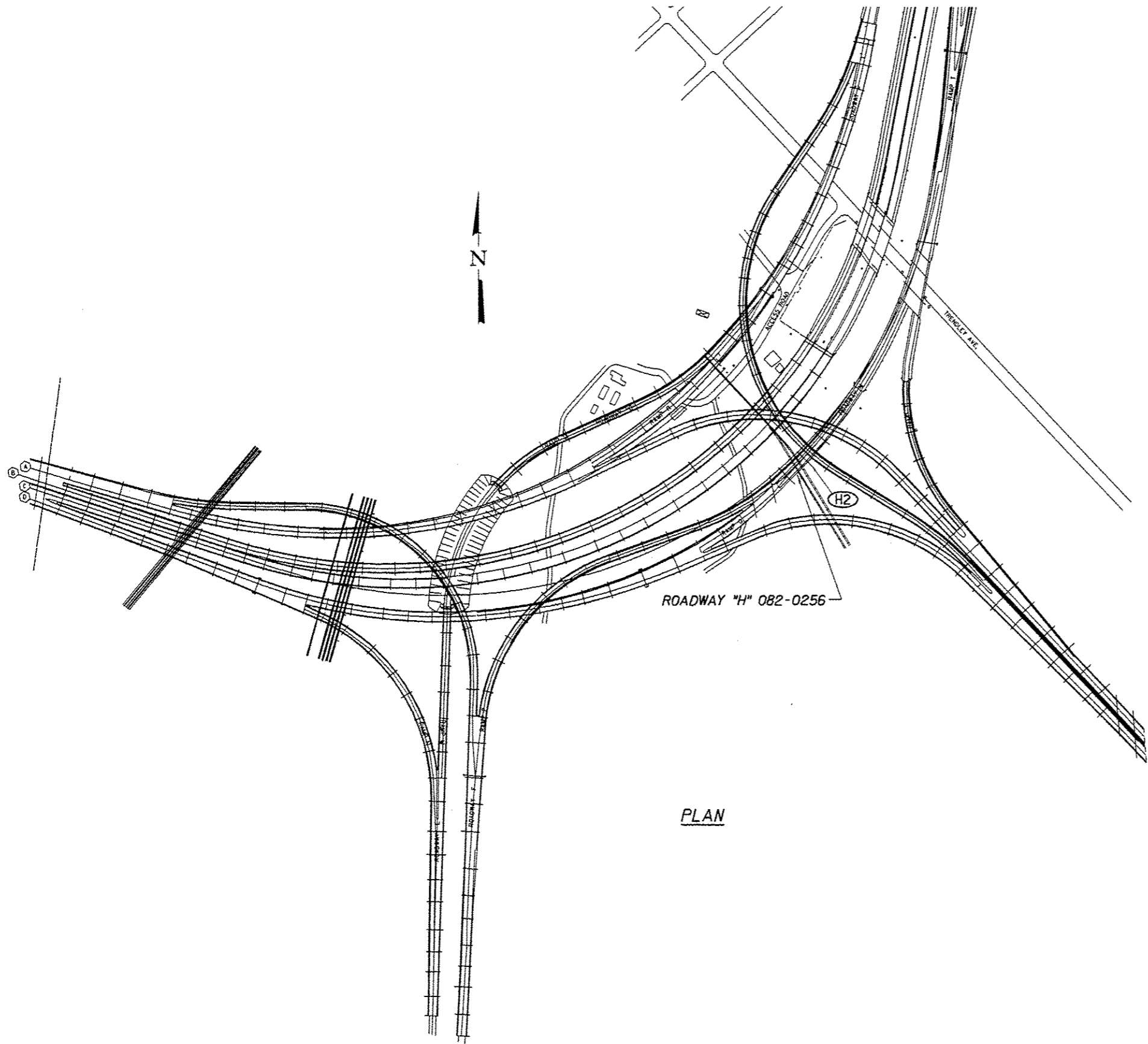
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR LOCATIONS
ROADWAY "S"
SN 082-0142
SHEET NO. 11 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	25

CONTRACT NO. 76J68

ILLINOIS FED. AID PROJECT



PIER H2

DESIGNED - VHV
 CHECKED - DAB
 DRAWN - ballva
 CHECKED - VHV DAB

PASSED

A. Carl Papp
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 30, 2017
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY "H"
 SN 082-0256

SHEET NO. 12 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV8-2R-2-B-R	ST. CLAIR	27	26
				CONTRACT NO. 76J68

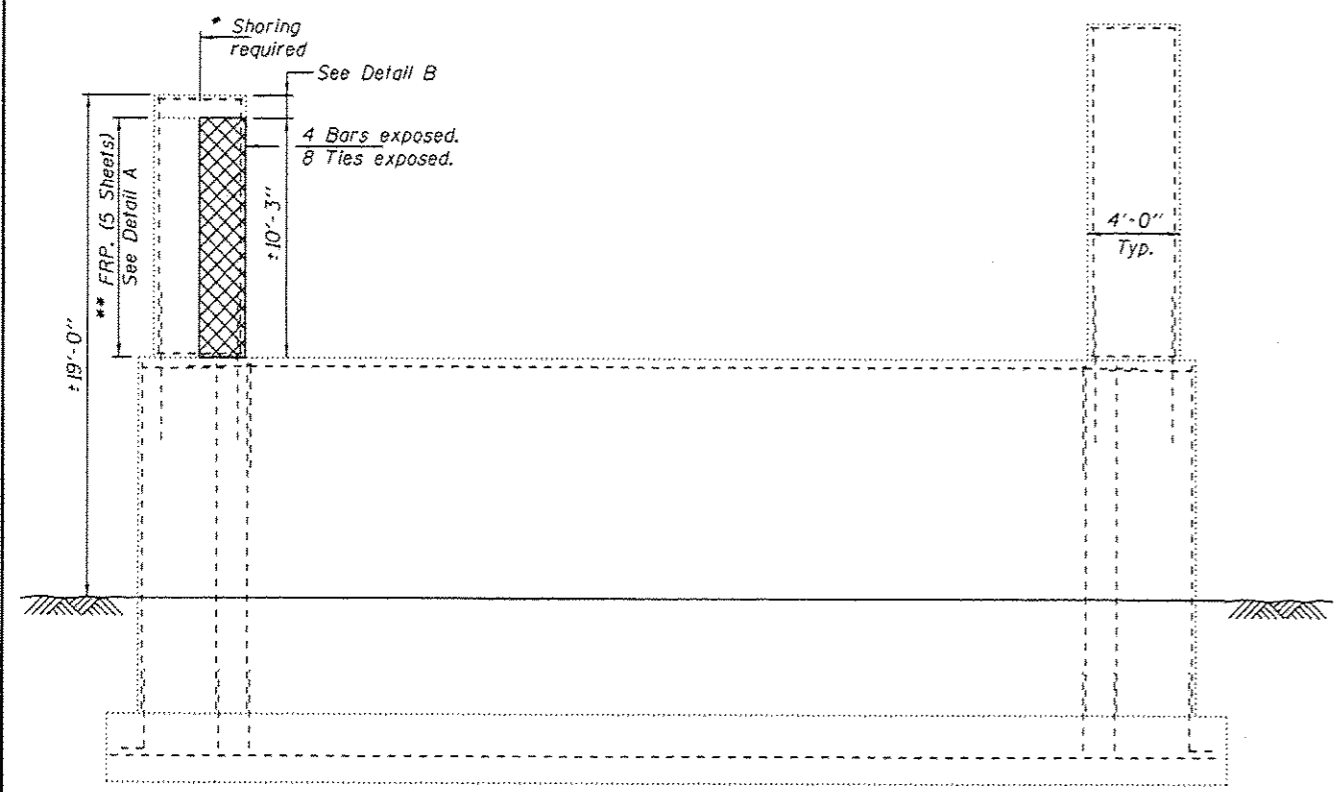
ILLINOIS FED. AID PROJECT

PIER H2

REACTION TABLE AT TEMPORARY SHORING

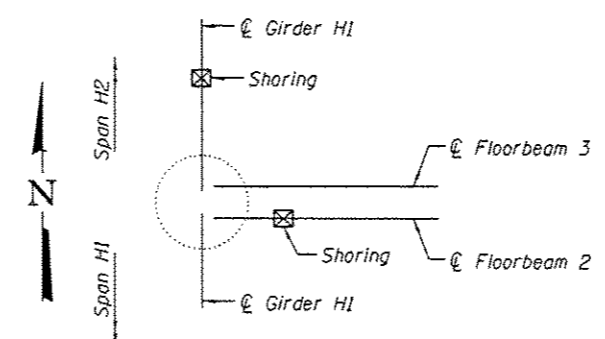
	Span H1	Span H2
Q (k)	171	126
L (k)	87	81
Imp. (k)	21	18
Total (k)	279	225

* Shore Girder H1 on Span H2 on the North side of column. Shore Floorbeam 2 against crashwall on Span H1. (See Detail C).

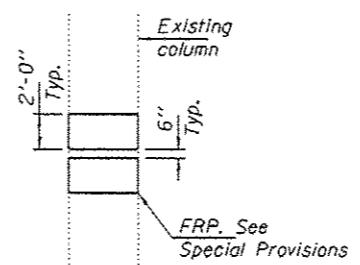


PIER H2 REPAIRS
(Looking Northeast)

** One layer



DETAIL C

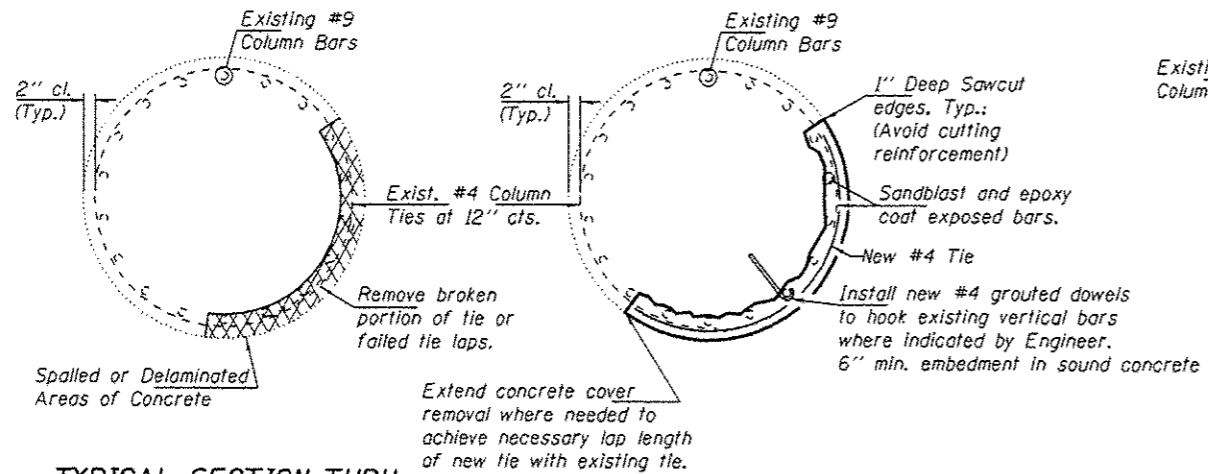


DETAIL A



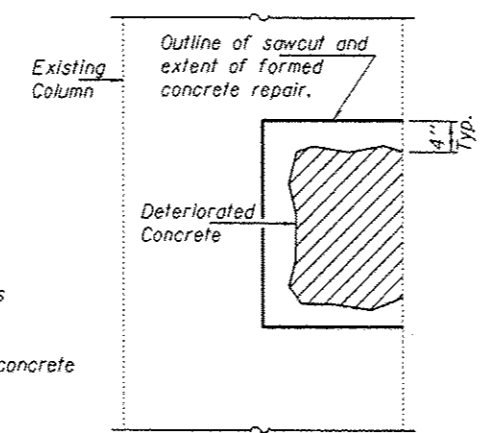
Area to be cleaned, blasted and painted only. See Special Provision "Cleaning and Painting Exposed Rebar". Cost included with Structural Repair of Concrete.

*** Structural Repair of Concrete & FRP See this sheet & sheets 8 & 11 of 13 for specific locations

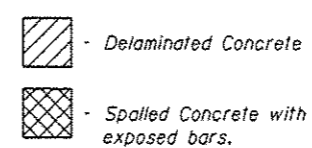


TYPICAL SECTION THRU EXISTING PIER COLUMN

TYPICAL SECTION THRU PIER COLUMN REPAIR



TYPICAL CONCRETE COLUMN REPAIR



MINIMUM BAR LAP
#4 bar = 1'-10"

DETAIL B
COLUMN REPAIR DETAILS

*** Contractor shall exercise care during concrete removal to avoid encroaching in the area under the confinement bands.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete Depth ≤ 5"	Sq. Ft.	64
Temporary Shoring & Cribbing	Each	2
Fiber Wrap	Sq. Ft.	125
Acrylic Coating	Sq. Yd.	14

DESIGNED - VHV
CHECKED - DAB
DRAWN - Kyle M. Stoffen
CHECKED - VHV DAB

PASSED	DATE - JANUARY 30, 2017
<i>Kyle M. Stoffen</i>	REVISIONS
ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR LOCATIONS
ROADWAY "H"
SN 082-0256
SHEET NO. 13 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-2-B-R	ST. CLAIR	27	27
				CONTRACT NO. 76J68
ILLINOIS FED. AID PROJECT				