

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI ROUTE 474 (I-474)

SECTION [(72,90)5B]I-3

PROJECT : ACNHPP-0474 (106)

TYPE of IMPROVEMENT: BRIDGE REPAIR PEORIA / TAZEWELL COUNTY

C-94-079-12

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	1
ILLINOIS			CONTRACT NO. 68B00	

D-94-046-12



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HIGHWAY STANDARDS

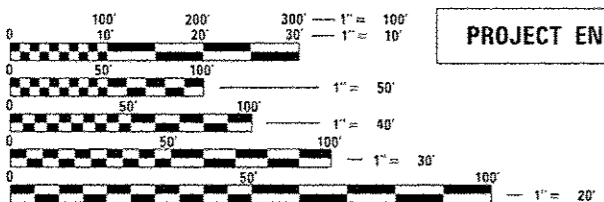
000001-06	642001-02	701426-08	826001-01
280001-07	701101-05	701428-01	
482006-03	701106-02	701901-05	
542401-01	701400-08	704001-08	
602301-04	701401-09	725001	
604036-03	701411-09	781001-04	
630301-06	701416-09	782006	

DISTRICT STANDARDS

- 440001-D4
- 542016-D4
- 630101-D4
- 780001-D4

DESIGN DESIGNATION: INTERSTATE

I-474: ADT = 23,750
 MU = 3,350
 SU = 1,600



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

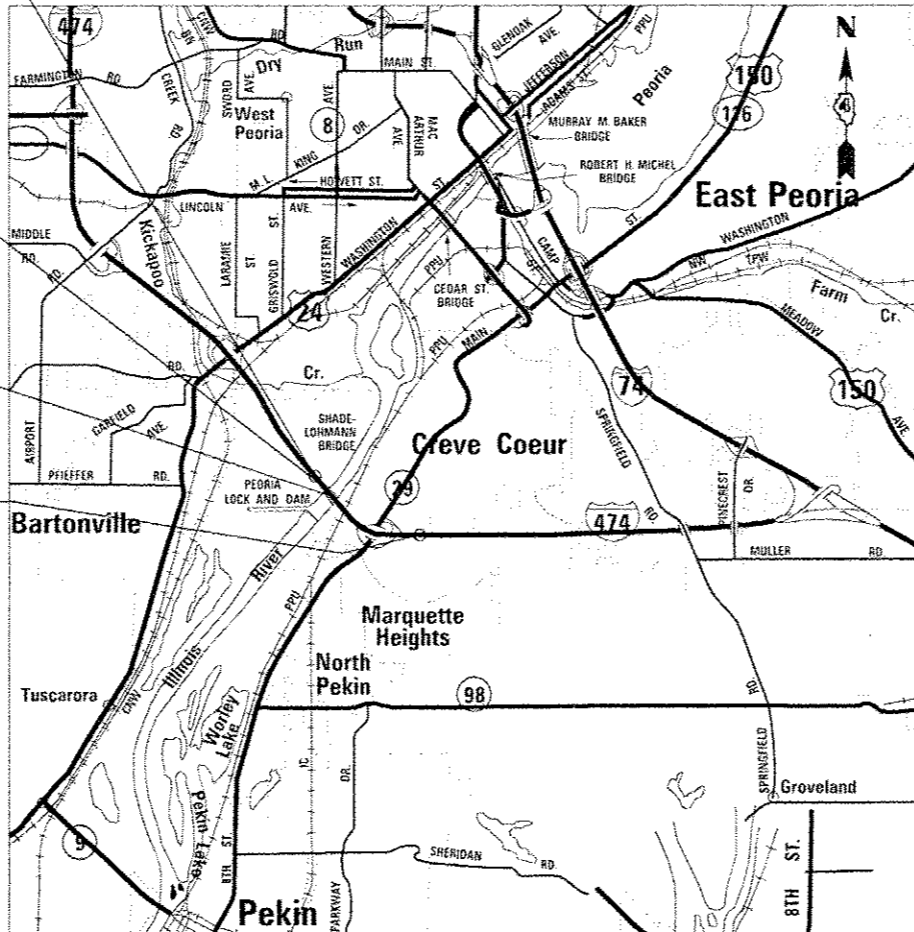
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT BEGINS STA 419+32

STATION EQUATION:
 STA 449+28.26 BK =
 STA 56+06.88 AH

SN # 090-0108 EB
 SN # 090-0109 WB

PROJECT ENDS STA. 133+00



Robert D. Niemietz 7-28-2016
 SIGNATURE DATE
 LICENSE EXPIRES: 11-30-2017
 SHEETS: 1-8, 13-15, 20-37



Jeffrey L. Hermann 7-27-16
 SIGNATURE DATE
 LICENSE EXPIRES: 11-30-17
 SHEETS: 9-12, 16-19, 74-87

PROJECT DESCRIPTION:
 MISCELLANEOUS SUPERSTRUCTURE REPAIRS AND PAINTING;
 MISCELLANEOUS SUBSTRUCTURE REPAIRS AND SCOUR
 MITIGATION TO STRUCTURES CARRYING I-474
 (SHADE-LOHMANN BRIDGE) OVER ILLINOIS RIVER
 (S.N. 090-0108 EB, 090-0109 WB) WEST OF CREVE COEUR

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 8/11 2016
Krista A. Gustin
 REGIONAL ENGINEER

Sept 30 2016
Maureen M. Addis
 acting ENGINEER OF DESIGN AND ENVIRONMENT

Sept 30 2016
Maureen M. Addis
 DIRECTOR OF PROGRAM DEVELOPMENT

PROJECT ENGINEER: CHRISTOPHER MAUSHARD (309) 671-3453
 PROJECT MANAGER: MICHAEL HUDELSON (309) 671-3466
 CONTRACT NO. 68B00
 CATALOG NO. 034798-00D

GROSS LENGTH = 10,695 FT. = 2.026 MILE
 NET LENGTH = 3,467 FT. = 0.66 MILE

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS FOR CROSSOVERS AND SHOULDERS

MIXTURE USE(S)	POLYMERIZED HMA SURFACE COURSE MIX "E", N70 (2")	HMA BINDER COURSE IL-19.0, N70 (8")
AC/PG:	SBS OR SBR 76-22	PG 64-22
DESIGN AIR VOIDS:	4.0% N=70	4.0% N=70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5	IL-19.0
FRICTION AGGREGATE:	Mixture E	N.A.
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA

NOTES: INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3 TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL MAXIMUM AGGREGATE SIZE.

SIGNING

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES.

ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE BUREAU OF OPERATIONS, TRAFFIC SECTION, BEFORE INSTALLATION.

ENGINEERS FIELD OFFICE

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02(i) AND 670.04(e): ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

CROSSING EXISTING STRUCTURES WITH EQUIPMENT

THE FOLLOWING STRUCTURES SN 090-0108, SN 090-0109 MAY BE CROSSED WITH ANY STRUCTURES NOT LISTED ABOVE SHALL BE VERIFIED BY THE RESIDENT PRIOR TO BEGINNING WORK.

AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE THE APPROPRIATE LANGUAGE BINDING THEM IN SIMILAR RESPONSIBILITIES.

JOB SPECIFIC NOTES

THE TRAFFIC OPERATIONS ENGINEER ANNA GHIDINA (309-671-4466) SHALL BE NOTIFIED ONE (1) WEEK PRIOR TO ANY INSTALLATION OF TEMPORARY PAVEMENT MARKING ON THE EASTBOUND LANES ON THE EAST SIDE OF THE SHADE-LOHMANN BRIDGE.

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT

GENERAL NOTES

UTILITIES – LOCATIONS /INFORMATION ON PLANS

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN — ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

PLAN ELEVATIONS – U. S. G. S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U. S. G. S. MEAN SEA LEVEL DATUM.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- * BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- * BDE FORM 2290 (WASTE/USE AREA REVIEW)
- * A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- * COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- * BORROW AREA ENTRY AGREEMENT FORM – D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

ORDERING LENGTH CONFIRMATION – DRAINAGE ITEMS

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

FILE NAME: P:\212337\1706\06\AS\PROJECT\1\0468888\SHI-GENNOTE.dwg

JACOBS	USER NAME = afreddel	DESIGNED - CLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS AND GENERAL NOTES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	DRAWN - CLS	REVISED -						474	(172, 90)5B]-3	PEO-TAZ	93	2
	PLOT DATE = 7/28/2016	CHECKED - CEA	REVISED -						SCALE:		SHEET NO.	OF	SHEETS
	DATE - 07-22-16	REVISED -									ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10% STATE BRIDGE 0014	90% FEDERAL 10% STATE ROADWAY 0004	90% FEDERAL 10% STATE ROADWAY 0004
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2200	2200		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	445		325	120
Δ 25000750	MOWING	ACRE	53.75		22.50	31.25
28000400	PERIMETER EROSION BARRIER	FOOT	550		220	330
28000500	INLET AND PIPE PROTECTION	EACH	4		3	1
28100711	STONE DUMPED RIPRAP, CLASS A6	SQ YD	2740	2740		
28200200	FILTER FABRIC	SQ YD	1645	1645		
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	198		161	37
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	913		641	272
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1703		929	774
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	129		105	24
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	424		231	193
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3379		1780	1599
44004250	PAVED SHOULDER REMOVAL	SQ YD	116		49	67

Δ SPECIALTY ITEM

Δ NP=100% STATE



USER NAME = kashbr	DESIGNED - CLS	REVISED -
PLOT SCALE = 2,0000' / in	DRAWN - CLS	REVISED -
PLOT DATE = 8/11/2016	CHECKED - CEA	REVISED -
	DATE - 07-22-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	((72, 90583)-3	PEO-TAZ	93	3
CONTRACT NO. 68800			ILLINOIS FED. AID PROJECT	

FILE NAME: Sheet 3.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FEDERAL 10% STATE BRIDGE 0014	90% FEDERAL 10% STATE ROADWAY 0004	90% FEDERAL 10% STATE ROADWAY 0004		
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	52		22	30		
50105220	PIPE CULVERT REMOVAL	FOOT	2		2			
50800105	REINFORCEMENT BARS	POUND	20		20			
542D0213	PIPE CULVERTS, CLASS D, TYPE 1 8"	FOOT	4		4			
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	50		50			
54213867	STEEL END SECTIONS 12"	EACH	1		1			
54248510	CONCRETE COLLAR	CU YD	0.4		0.4			
60236200	INLETS, TYPE A, TYPE B GRATE	EACH	1		1			
60500060	REMOVING INLETS	EACH	1		1			
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2		1	1		
63200310	GUARDRAIL REMOVAL	FOOT	88		50	38		
63800920	MODULAR GLARE SCREEN SYSTEM, TEMPORARY	FOOT	3125		1275	1850		
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	3842		1821	2021		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	22		11	11		

*SPECIALTY ITEM

FILE NAME: P:\C131781\7868\04\1702\CIVIL\01688906_SHT-500.dgn



USER NAME - mfreddot	DESIGNED - CLS	REVISED -
DRAWN - CLS	CHECKED - CEA	REVISED -
PLOT SCALE - 2.0000' / 1" =	DATE - 07-22-16	REVISED -
PLOT DATE - 7/27/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172, 90583)-3	PEO-TAZ	93	4
CONTRACT NO. 68800			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FEDERAL 10% STATE BRIDGE 0014	90% FEDERAL 10% STATE ROADWAY 0004	90% FEDERAL 10% STATE ROADWAY 0004		
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY		
67100100	MOBILIZATION	LSUM	1		0.3	0.7		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	6		0	6		
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1		0.5	0.5		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6		2	4		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	64		16	48		
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	54262		10552	43710		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	10033		1280	8753		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2		1	1		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16047		0	16047		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2028		0	2028		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	5268		0	5268		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	683		0	683		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	27499		13604	13895		
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	3440		1700	1740		

*SPECIALTY ITEM

FILE NAME = P:\CIVIL\31781\728\esd\1722\CIVIL\04688899_SHT-500.dgn



USER NAME = sfraddol	DESIGNED - CLS	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - CLS	REVISED -
PLOT DATE = 8/1/2016	CHECKED - CEA	REVISED -
	DATE - 07-22-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	((72, 90)5B)-3	PEO-TAZ	93	5
CONTRACT NO. 68800			ILLINOIS PED. A10 PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FEDERAL 10% STATE BRIDGE 0014	90% FEDERAL 10% STATE ROADWAY 0004	90% FEDERAL 10% STATE ROADWAY 0004		
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	40		0	40		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	40		0	40		
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1				
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	8750	8750				
* 82600105	NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1	1				
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	11		6	5		
* 84301100	REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING UNIT	EACH	8	8				
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1				
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	1				
X0322559	BOLT REPLACEMENT	EACH	5372	5372				
X0322792	BEDDING MATERIAL, SPECIAL	CU YD	55	55				
* X0327739	MISCELLANEOUS ELECTRICAL WORK	LSUM	1	1				
X0327762	RAILROAD FLAGGER	LSUM	1	1				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	29088		5000	24088		

*SPECIALTY ITEM

FILE NAME = P:\131337\81708\add\782\CIVIL\0168800-SHT-500.dgn



USER NAME = afreddot	DESIGNED - CLS	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - CLS	REVISED -
PLOT DATE = 8/1/2016	CHECKED - CEA	REVISED -
	DATE - 07-22-16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	((72, 9058))-3	PEO-TAZ	93	6
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FEDERAL 10% STATE BRIDGE 0014	90% FEDERAL 10% STATE ROADWAY 0004	90% FEDERAL 10% STATE ROADWAY 0004		
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY		
* X1400023	CONDUIT, FLEXIBLE, LIQUID TIGHT, METALLIC, 2" DIAMETER	FOOT	40	40				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1		0.5	0.5		
X7010410	SPEED DISPLAY TRAILER	CAL MO	32		16	16		
X7040010	TEMPORARY CONCRETE BARRIER (SPECIAL)	FOOT	520		180	340		
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	43545		13603	29942		
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	5468		1700	3768		
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	5268		0	5268		
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	683		0	683		
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	54		23	31		
Z0001905	STRUCTURAL STEEL REPAIR	POUND	11480	11480				
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	LSUM	1	1				
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	LSUM	1	1				
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	LSUM	1	1				
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	LSUM	1	1				

14
*SPECIALTY ITEM

FILE NAME: P:\1933781\788\add\782\CVL\AD\68800-SHT-500.dgn



USER NAME = afreddol	DESIGNED - CLS	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - CLS	REVISED -
PLOT DATE = 7/27/2016	CHECKED - CEA	REVISED -
	DATE - 07-22-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	((172, 90)5B)-3	PEO-TAZ	93	7
CONTRACT NO. 68800			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10% STATE BRIDGE	90% FEDERAL 10% STATE ROADWAY	90% FEDERAL 10% STATE ROADWAY
				0014	0004	0004
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	3979	3979		
Z0013798	CONSTRUCTION LAYOUT	LSUM	1		0.3	0.7
* Z0019307	HOLES DRILLED	EACH	336	336		
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	21		11	10
Z0034105	MATERIAL TRANSFER DEVICE	TON	424		231	193
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1		
Z0062000	SAW CUTTING	FOOT	183		98	85
Z0066100	STABILIZATION FABRIC	SQ YD	2150	2150		
* X1400185	WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED, PARAPET	EACH	4	4		
* X1400186	WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 360 DEGREE GREEN, PARAPET	EACH	2	2		
* X1400187	WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED, PROTECTION	EACH	2	2		

*SPECIALTY ITEM

FILE NAME = P:\CIVIL\1708\1708-0001\1708-CIVIL-07-08-16-SHT-500.dgn

JACOBS	USER NAME = afreddal	DESIGNED - CLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000 / in.	DRAWN - CLS	REVISED -					474	(172, 9015831)-3	PEO-TAZ	93	8
	PLOT DATE = 7/27/2016	CHECKED - CEA	REVISED -		SCALE: N/A	SHEET NO. 6 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 68800			
		DATE - 07-22-16	REVISED -							ILLINOIS PEO. AID PROJECT		

NOTE: DIMENSIONS FOR CROSSOVER WIDENING, CROSSOVER LANES, AND CROSSOVER SHOULDER WIDTHS ARE NORMAL TO CROSSOVER CENTERLINES.

PROPOSED HMA SURFACE REMOVAL & HMA RESURFACING FOR
STAGE I TRAFFIC - STA. 104+97 TO 108+00
STAGE II TRAFFIC - 97+51 TO 101+00

PROPOSED HMA SURFACE REMOVAL & HMA RESURFACING FOR
STAGE I TRAFFIC - STA. 97+45 TO 102+15
STAGE II TRAFFIC - 103+00 TO 108+00

PROPOSED HMA SURFACE REMOVAL & HMA RESURFACING
FOR STAGE I TRAFFIC - STA. 97+45 TO 99+20

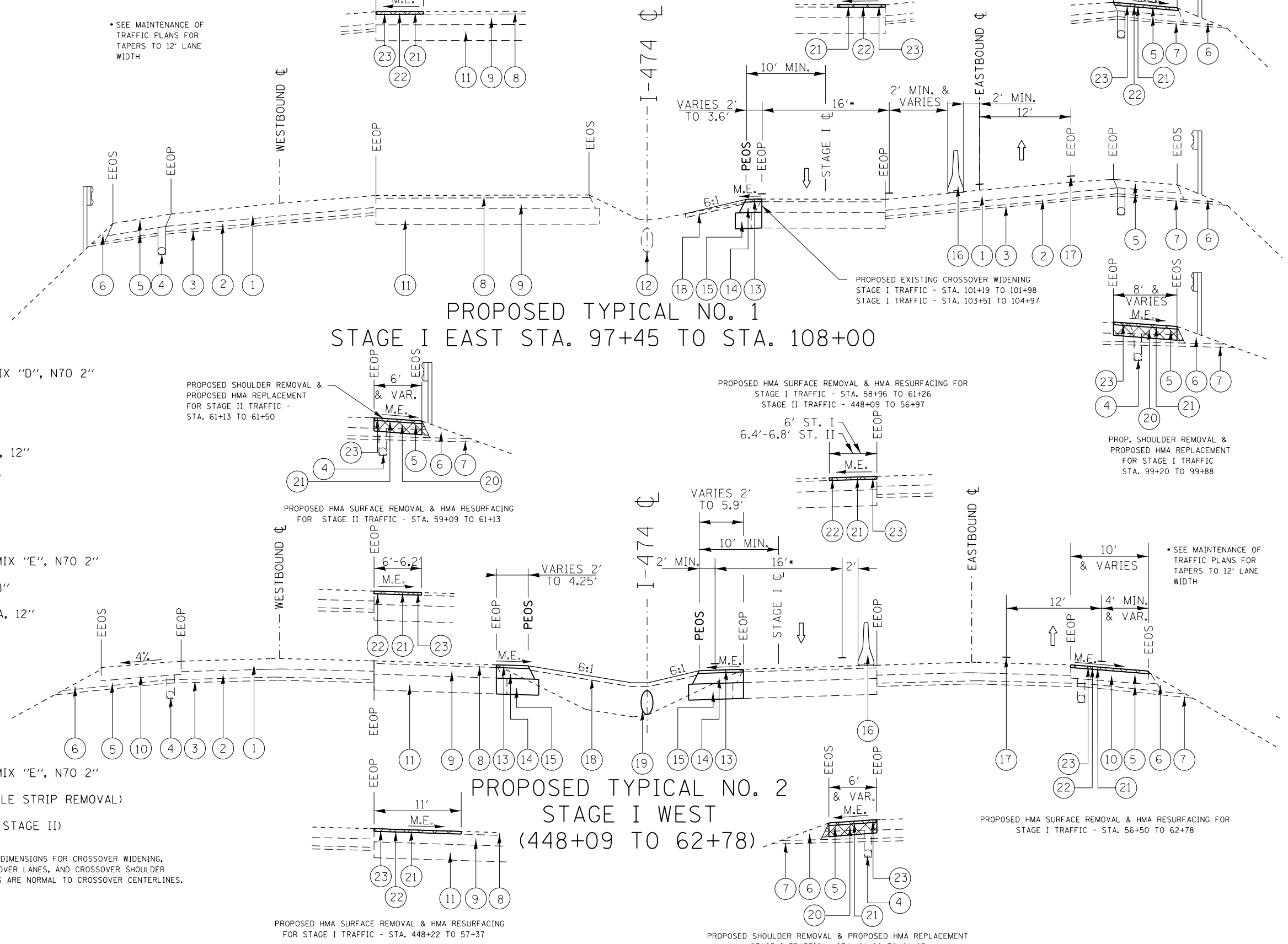
- EXISTING I-474**
- 1 EXIST BIT OVERLAY
 - 2 EXIST PCC
 - 3 EXIST STABILIZED SUB-BASE
 - 4 EXIST PIPE UNDERDRAIN 4"
 - 5 EXIST BIT. SHOULDER
 - 6 EXIST AGG. SHOULDERS TYPE B
 - 7 EXIST SUB-BASE GRANULAR MATERIAL TYPE C

- EXISTING CROSSOVER**
- 8 EXISTING POLYMERIZED HMA SURFACE COURSE, MIX "D", N70 2"
 - 9 EXISTING HMA BINDER COURSE, IL - 19.0, N70
 - 10 EXISTING HMA SHOULDER, 10"
 - 11 EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 12"
 - 12 EXISTING PIPE CULVERTS, CLASS D, TYPE 1 12"

- PROPOSED CROSSOVER WIDENING**
- 13 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 2"
 - 14 PROPOSED HMA BINDER COURSE, IL - 19.0, N70 8"
 - 15 PROPOSED SUB-BASE GRANULAR MATERIAL TYPE A, 12"
 - 16 PROPOSED TEMPORARY CONCRETE BARRIER
 - 17 PROPOSED TEMPORARY PAVEMENT MARKINGS
 - 18 PROPOSED TOP SOIL 4"
 - 19 PROPOSED PIPE CULVERTS, CLASS D, TYPE I 12"
 - 20 PROPOSED HMA SHOULDER, 8"
 - 21 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 2"
 - 22 PROPOSED HMA SURFACE REMOVAL, 2" (FOR RUMBLE STRIP REMOVAL)
 - 23 PROPOSED SHOULDER RUMBLE STRIPS, 16" (POST STAGE II)

LEGEND
 EEOP = EXISTING EDGE OF PAVEMENT
 EEOS = EXISTING EDGE OF SHOULDER
 PEOP = PROPOSED EDGE OF PAVEMENT
 PEOS = PROPOSED EDGE OF SHOULDER
 M.E. = MATCH EXISTING CROSS SLOPE

NOTE: DIMENSIONS FOR CROSSOVER WIDENING, CROSSOVER LANES, AND CROSSOVER SHOULDER WIDTHS ARE NORMAL TO CROSSOVER CENTERLINES.



PROPOSED TYPICAL NO. 1
STAGE I EAST STA. 97+45 TO STA. 108+00

PROPOSED TYPICAL NO. 2
STAGE I WEST
(448+09 TO 62+78)

FILE NAME: C:\Projects\100224514_Janada Phase 1 & 11 - Bridge 8 - Concrete\Drawings\068800-act-us-east.dwg



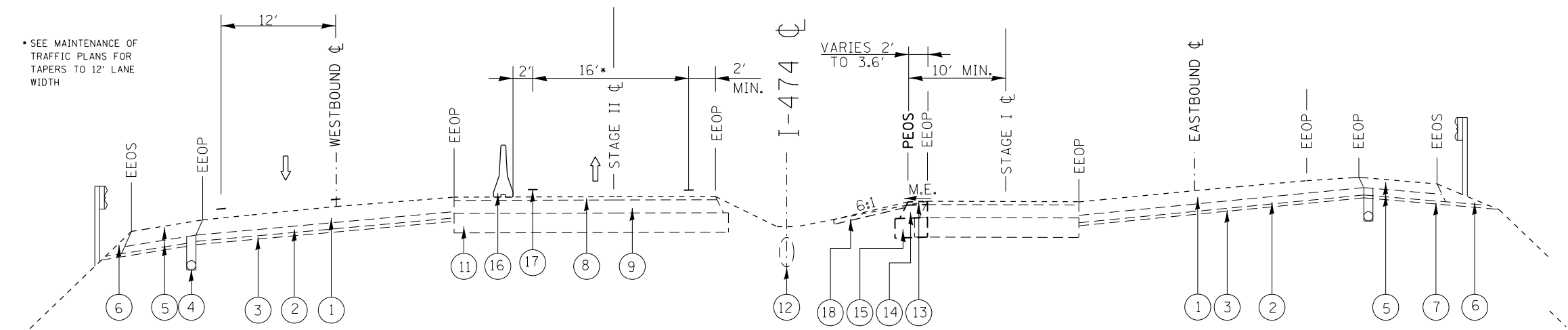
USER NAME = jeffnew	DESIGNED - RJJ	REVISED -
PLOT SCALE = Full Size 1=1	DRAWN - RJJ	REVISED -
PLOT DATE = 7/27/2016 3:05:35 PM	CHECKED - JLH	REVISED -
	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION FOR STAGE I
EAST & WEST

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE. 474	SECTION [72, 90]5B[1]-3	COUNTY PEO-TAZ	TOTAL SHEETS 93	SHEET NO. 9
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL NO. 3
STAGE II EAST STA. 97+42 TO STA. 104+97

NOTE: DIMENSIONS FOR CROSSOVER WIDENING, CROSSOVER LANES, AND CROSSOVER SHOULDER WIDTHS ARE NORMAL TO CROSSOVER CENTERLINES.

EXISTING I-474

- ① EXIST BIT OVERLAY
- ② EXIST PCC
- ③ EXIST STABILIZED SUB-BASE
- ④ EXIST PIPE UNDERDRAIN 4"
- ⑤ EXIST BIT. SHOULDER
- ⑥ EXIST AGG. SHOULDERS TYPE B
- ⑦ EXIST SUB-BASE GRANULAR MATERIAL TYPE C

EXISTING CROSSOVER

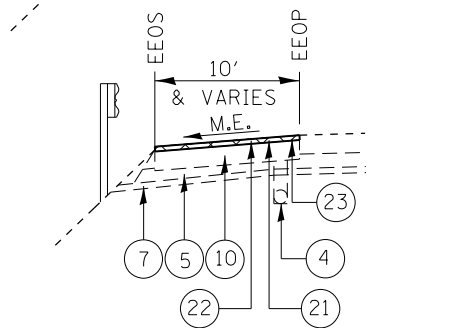
- ⑧ EXIST. POLYMERIZED HMA SURFACE COURSE, MIX "D", N70 2"
- ⑨ EXISTING HMA BINDER COURSE, 1L - 19.0, N70
- ⑩ EXISTING HMA SHOULDER, 10"
- ⑪ EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 12"
- ⑫ EXISTING PIPE CULVERTS, CLASS D, TYPE 1 12"

EXISTING CROSSOVER WIDENING FROM STAGE I

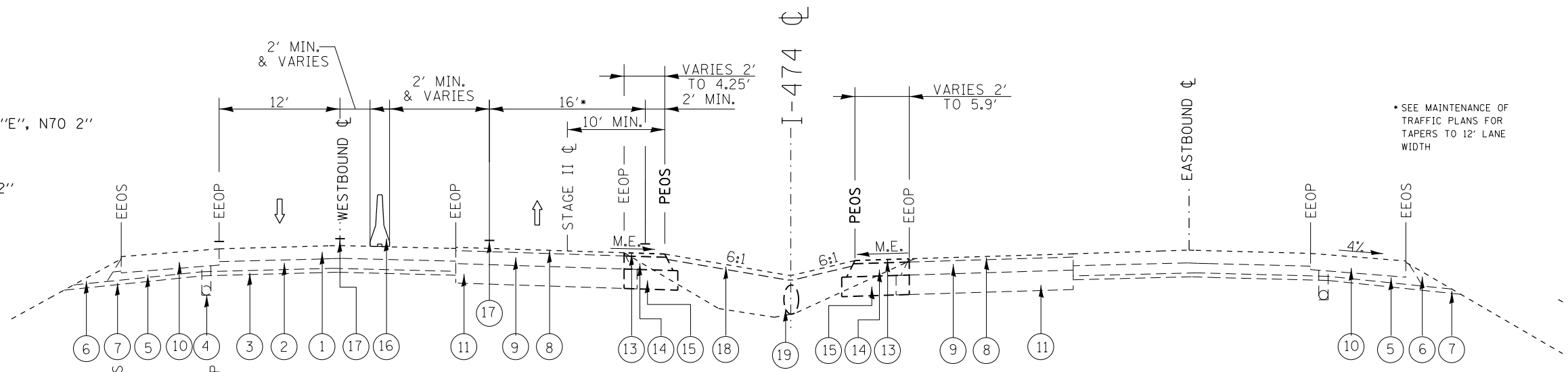
- ⑬ EXISTING POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 2"
- ⑭ EXISTING HMA BINDER COURSE, 1L - 19.0, N70, 8"
- ⑮ EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 12"
- ⑯ TEMPORARY CONCRETE BARRIER
- ⑰ TEMPORARY PAVEMENT MARKINGS
- ⑱ EXISTING TOP SOIL 4"
- ⑲ EXISTING PIPE CULVERTS, CLASS D, TYPE I 12"
- ⑳ EXISTING HMA SHOULDER, 8"
- ㉑ POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 2"
- ㉒ HMA SURFACE REMOVAL, 2" (FOR RUMBLE STRIP REMOVAL)
- ㉓ SHOULDER RUMBLE STRIPS, 16" (POST STAGE II)

LEGEND

EEOP = EXISTING EDGE OF PAVEMENT
 EOS = EXISTING EDGE OF SHOULDER
 PEOP = PROPOSED EDGE OF PAVEMENT
 PEOS = PROPOSED EDGE OF SHOULDER
 M.E. = MATCH EXISTING CROSS SLOPE

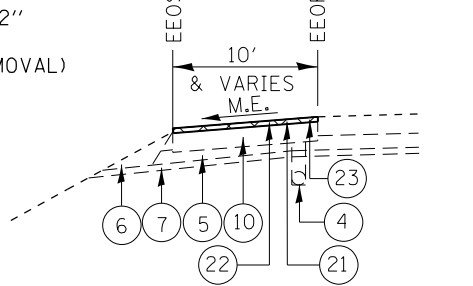


PROPOSED HMA SURFACE REMOVAL & HMA RESURFACING FOR STAGE II TRAFFIC - STA. 97+42 TO 99+67



PROPOSED TYPICAL NO. 4
STAGE II WEST - STA. 57+37 TO STA. 62+63

NOTE: DIMENSIONS FOR CROSSOVER WIDENING, CROSSOVER LANES, AND CROSSOVER SHOULDER WIDTHS ARE NORMAL TO CROSSOVER CENTERLINES.



PROPOSED HMA SURFACE REMOVAL & HMA RESURFACING FOR STAGE II TRAFFIC - STA. 59+50 TO 62+63

FILE NAME: C:\Projects\100224514_Janada Phase 1 & 2 - Bridge-8 - Concrete Slabs\100224514-act-1-10-16.dwg



USER NAME = jeffnew	DESIGNED - RJJ	REVISED -
DRAWN - RJJ	REVISED -	
PLOT SCALE = Full Size 1=1	CHECKED - JLH	REVISED -
PLOT DATE = 7/27/2016 3:05:35 PM	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS FOR STAGE II EAST & WEST				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]-3	PEO-TAZ	93	10
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

STATION TO STATION	ALIGNMENT	FOOT	FOOT	SO. FT.	SUBBASE GRANULAR MATERIAL, TYPE A TON	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)* POUND	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)* POUND	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 TON	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 TON	PAVED SHOULDER REMOVAL SO. YD.	HOT-MIX ASPHALT SHOULDERS TON	MATERIAL TRANSFER DEVICE TON
WEST CROSSOVER												
STA. 3+07.31 LT TO STA. 3+98.09 LT	STAGE I	90.8	VARIES	428.42	32.56	107.11	21.42	21.33	5.33			5.33
STA. 4+37.18 LT TO STA. 5+95.65 LT	STAGE I	158.5	VARIES	702.60	53.40	175.65	35.13	34.97	8.74			8.74
EAST CROSSOVER												
STA. 3+21.40 RT TO STA. 3+90.47 RT	STAGE II	69.1	VARIES	306.30	23.28	76.58	15.32	15.25	3.81			3.81
STA. 4+50.63 RT TO STA. 6+51.57 RT	STAGE II	200.9	VARIES	680.66	51.73	170.17	34.03	33.88	8.47			8.47
STA. 61+13.00 LT TO STA. 61+50.00 LT	I-474	37.0	6.0	222.00		55.50	11.10		2.76	24.67	11.05	2.76
STA. 61+26.00 RT TO STA. 61+63.00 RT	I-474	37.0	6.0	222.00		55.50	11.10		2.76	24.67	11.05	2.76
WEST CROSSOVER TOTAL					160.97	640.50	128.10	105.43	31.88	49.33	22.10	31.88
EAST CROSSOVER												
STA. 99+20.00 RT TO STA. 99+88.00 RT	I-474	68.0	VARIES	599.72		149.93	29.99		7.46	66.64	29.85	7.46
STA. 47+04.02 LT TO STA. 47+83.97 LT	STAGE I	79.9	VARIES	180.43	13.71	45.11	9.02	8.98	2.25			2.25
STA. 49+38.05 LT TO STA. 50+85.15 LT	STAGE I	147.1	VARIES	306.75	23.31	76.69	15.34	15.27	3.82			3.82
EAST CROSSOVER TOTAL					37.03	271.73	54.35	24.25	13.53	66.64	29.85	13.53
TOTAL					197.99	912.22	182.44	129.68	45.41	115.97	51.95	45.41

•THERE WILL BE 3 APPLICATIONS FOR CROSSOVER WIDENING & SHOULDERS:
1 APPLICATION OF PRIME COAT ON TOP OF AGGREGATE SUB-BASE = 0.25 LB/SQ FT
1 APPLICATION OF TACK COAT ON TOP OF THE 1ST 4" OF BINDER = 0.025 POUND/SQ FT
1 APPLICATION OF TACK COAT ON TOP OF THE 2ND 4" OF BINDER = 0.025 POUND/SQ FT

TOPSOIL FURNISH AND PLACE, 4"			
LOCATION	PLAN AREA	PLAN AREA X SLOPE FACTOR (1.03)	AREA
STATION TO STATION (I-474)	SO. FT.	SO. FT.	SO. YD.
WEST CROSSOVER			
STA. 57+37.00 LT TO STA. 58+38.00 LT	312.94	322.33	35.8
STA. 57+50.00 RT TO STA. 58+32.00 RT	266.18	274.17	30.5
STA. 58+90.00 LT/RT TO STA. 61+13.00 LT/RT	2261.10	2328.93	258.8
WEST CROSSOVER TOTAL			325.1
EAST CROSSOVER			
STA. 98+95.00 RT TO STA. 99+80.00 RT	436.82	449.92	50.0
STA. 101+19.00 RT TO STA. 101+98.00 RT	253.63	261.24	29.0
STA. 103+51.00 LT TO STA. 104+97.00 LT	358.33	369.08	41.0
EAST CROSSOVER TOTAL			120.0
TOTAL			445.1

STA. TO STA.	ALIGNMENT	FOOT	FOOT	SO. FT.	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)* POUND	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 TON	HOT-MIX ASPHALT SURFACE REMOVAL, 2" SO. YD.	SHOULDER RUMBLE STRIPS, 16 INCH FOOT	MATERIAL TRANSFER DEVICE TON
WEST CROSSOVER									
STA. 448+09.00 RT TO STA. 56+97.00 R	I-474	209.6	VARIES	1378.17	68.91	17.15	153.13	209.60	17.15
STA. 448+22.00 LT TO STA. 57+37.00 L	I-474	235.6	11.0	2591.60	129.58	32.25	287.96	235.60	32.25
STA. 56+50.00 RT TO STA. 62+78.00 RT	I-474	628.4	VARIES	6212.10	310.61	77.31	690.23	628.40	77.31
STA. 58+96.00 RT TO STA. 61+26.00 RT	I-474	230.0	6.0	1380.00	69.00	17.17	153.33	230.00	17.17
STA. 59+09.00 LT TO STA. 61+13.00 LT	I-474	204.2	VARIES	1239.44	61.97	15.42	137.72	204.20	15.42
STA. 59+50.00 LT TO STA. 62+63.00 LT	I-474	313.4	VARIES	3218.56	160.93	40.05	357.62	313.40	40.05
WEST CROSSOVER TOTAL					801.00	199.35	1779.99	1821.20	199.35
EAST CROSSOVER									
STA. 97+42.00 LT TO STA. 99+67.00 LT	I-474	219.6	VARIES	2051.92	102.60	25.54	227.99	219.60	25.54
STA. 97+45.00 RT TO STA. 99+20.00 RT	I-474	177.3	VARIES	1808.69	90.43	22.51	200.97	177.30	22.51
STA. 97+45.00 RT TO STA. 102+15.00 R	I-474	473.7	VARIES	2892.55	144.63	36.00	321.39	473.70	36.00
STA. 97+51.00 LT TO STA. 101+00.00 L	I-474	345.5	VARIES	2143.09	107.15	26.67	238.12	345.50	26.67
STA. 103+00.00 RT TO STA. 108+00.00 R	I-474	504.2	VARIES	3526.35	176.32	43.88	391.82	504.20	43.88
STA. 105+00.00 LT TO STA. 108+00.00 L	I-474	300.7	VARIES	1966.89	98.34	24.48	218.54	300.70	24.48
EAST CROSSOVER TOTAL					719.47	179.08	1598.83	2021.00	179.08
TOTAL					1520.47	378.43	3378.82	3842.20	378.43

•THERE WILL BE 1 APPLICATION FOR SHOULDER RESURFACING:
1 APPLICATION ON TOP OF MILLED HMA = 0.05 LB/SQ FT

PROPOSED PIPE CULVERT SCHEDULE						
LOCATION	UP INV. ELEV.	DN INV. ELEV.	PIPE SLOPE	STEEL END SECTIONS 12"	PIPE CULVERTS, CLASS D, TYPE 1 8"	PIPE CULVERTS, CLASS D, TYPE 1 12"
STA. AND O/S TO STA. AND O/S (I474)				EACH	FOOT	FOOT
WEST CROSSOVER						
STA. 58+03.91, 18.80' LT TO STA. 58+03.91, 22.55' LT	460.85	460.72	3.46%		3.75	
STA. 59+25.00, 0.40' RT TO STA. 59+75.00, 1.99' LT	461.32	460.50	1.64%	1.0		50.0
WEST CROSSOVER TOTAL				1.0	3.8	50.0
TOTAL				1.0	3.8	50.0

EARTHWORK SCHEDULE (FOR INFORMATION ONLY)						
DESCRIPTION	LOCATION	LENGTH	EARTH EX. VOLUME (CUT)	EARTH EX. ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR = 25%)	EMBANKMENT VOLUME (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	STATION TO STATION	FOOT	CU. YD.	CU. YD.	CU. YD.	CU. YD.
WEST CROSSOVER						
	STA. 57+37.00 TO STA. 58+38.00	101.00	64	48	0	48
	STA. 58+64.00 TO STA. 61+13.00	249.00	126	95	14	81
WEST CROSSOVER TOTAL			190	143	14	129
EAST CROSSOVER						
	STA. 98+95.00 TO STA. 99+80.00	85.00	5	4	9	-5
	STA. 101+19.00 TO STA. 101+98.00	79.00	18	14	0	14
	STA. 103+51.00 TO STA. 104+97.00	146.00	38	29	0	29
EAST CROSSOVER TOTAL			61	46	9	37
TOTAL			251	188	23	165

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USER NAME = sfraddol	DESIGNED - RJJ	REVISED -
	DRAWN - CLS	REVISED -
PLOT SCALE = 2.000' / in.	CHECKED - CEA	REVISED -
PLOT DATE = 7/27/2016	DATE - 07-22-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N/A	SHEET NO. 1 OF 4 SHEETS	STA. TO STA.
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SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B00	

PIPE CULVERT REMOVAL	
STA. AND O/S TO STA. AND O/S	FOOT
WEST CROSSOVER	
STA. 59+25.53, 0.40' RT TO STA. 59+27.53, 0.40' RT	2.0
•REMOVE 12" END SECTION	
WEST CROSSOVER TOTAL	2.0
TOTAL	2.0

INLETS, TYPE A, TYPE B GRATE			
STATION	OFFSET	RT/LT	EACH
WEST CROSSOVER			
58+03.91	23.2	LT	1.0
WEST CROSSOVER TOTAL			1.0
TOTAL			1.0

GUARDRAIL AGGREGATE EROSION CONTROL			
STATION TO STATION	RT/LT	CU. YD.	TON
WEST CROSSOVER			
STA. 60+41.00 TO STA. 61+25.80	LT	17.32	23.4
WEST CROSSOVER TOTAL			23.4
EAST CROSSOVER			
STA. 98+95.50 TO STA. 99+79.60	RT	22.76	30.7
EAST CROSSOVER TOTAL			30.7
TOTAL			54.1

*NOTE: CA1 AGG. CONVERSION FACTOR USED = 1.35 TONS/CU YD

REMOVING INLETS			
STATION	OFFSET	RT/LT	EACH
WEST CROSSOVER			
58+03.91	19.8	LT	1.0
WEST CROSSOVER TOTAL			1.0
TOTAL			1.0

REINFORCING BARS			
STATION	OFFSET	RT/LT	POUND
WEST CROSSOVER			
58+03.91	18.8	LT	20.0
WEST CROSSOVER TOTAL			20.0
TOTAL			20.0

INLET AND PIPE PROTECTION			
STATION	OFFSET	RT/LT	EACH
WEST CROSSOVER			
STA. 58+00.00	16.49	RT	1.0
STA. 58+04.00	23.20	LT	1.0
STA. 59+76.00	1.92	LT	1.0
WEST CROSSOVER TOTAL			3.0
EAST CROSSOVER			
STA. 103+53.00	20.00	LT	1.0
EAST CROSSOVER TOTAL			1.0
TOTAL			4.0

GUARDRAIL REMOVAL		
STATION TO STATION	RT/LT	FOOT
WEST CROSSOVER		
STA. 60+75.90 TO STA. 61+25.80	LT	50.0
WEST CROSSOVER TOTAL		50.0
EAST CROSSOVER		
STA. 98+95.50 TO STA. 99+32.50	RT	37.5
EAST CROSSOVER TOTAL		37.5
TOTAL		87.5

CONCRETE COLLAR			
STATION	OFFSET	RT/LT	CU. YD.
WEST CROSSOVER			
58+03.91	18.8	LT	0.4
WEST CROSSOVER TOTAL			0.4
TOTAL			0.4

PERIMETER EROSION BARRIER		
STATION TO STATION	RT/LT	FOOT
WEST CROSSOVER		
STA. 59+77.00 TO STA. 60+25.00	RT	53.0
STA. 59+77.00 TO STA. 61+30.00	LT	167.0
WEST CROSSOVER TOTAL		220.0
EAST CROSSOVER		
STA. 98+95.00 TO STA. 99+80.00	RT	101.0
STA. 101+11.00 TO STA. 101+80.00	RT	72.0
STA. 103+42.00 TO STA. 104+96.00	LT	157.0
EAST CROSSOVER TOTAL		330.0
TOTAL		550.0

SAW CUTTING		
STATION TO STATION	RT/LT	FOOT
WEST CROSSOVER		
STA. 61+13.00 TO STA. 61+50.00	LT	49.0
STA. 61+26.00 TO STA. 61+63.00	RT	49.0
WEST CROSSOVER TOTAL		98.0
EAST CROSSOVER		
STA. 99+20.00 TO STA. 99+88.00	RT	85.3
EAST CROSSOVER TOTAL		85.3
TOTAL		183.3

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED		
STATION TO STATION	RT/LT	EACH
WEST CROSSOVER		
STA. 60+75.90 TO STA. 61+25.8	LT	1.0
WEST CROSSOVER TOTAL		1.0
EAST CROSSOVER		
STA. 98+95.50 TO STA. 99+45.0	RT	1.0
EAST CROSSOVER TOTAL		1.0
TOTAL		2.0

TEMPORARY CONCRETE BARRIER (SPECIAL)		
STA. AND O/S TO STA. AND O/S (1474)	FOOT	
WEST CROSSOVER		
STA. 57+39.24, 5.97' LT TO STA. 59+19.00, 3.17' RT (140 FEET STORED PLUS ADDITIONAL 40 FEET)	180.0	
WEST CROSSOVER TOTAL		180.0
EAST CROSSOVER		
STA. 101+20.26, 6.30' LT TO STA. 104+60.71, 9.68' RT (STORED)	340.0	
EAST CROSSOVER TOTAL		340.0
TOTAL		520.0

TERMINAL MARKER - DIRECT APPLIED			
STATION	OFFSET	RT/LT	EACH
WEST CROSSOVER			
STA. 60+75.90	22.3	LT	1.0
WEST CROSSOVER TOTAL			1.0
EAST CROSSOVER			
STA. 99+45.00	16.8	RT	1.0
EAST CROSSOVER TOTAL			1.0
TOTAL			2.0

FILE NAME = P:\C1\33701\708\cadd\702\CIVIL\0468800-SHT-SC-HEDULE.dwg



USER NAME = sfreddol
 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 7/27/2016

DESIGNED - RJJ
 DRAWN - CLS
 CHECKED - CEA
 DATE - 07-22-16

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: N/A

SHEET NO. 2 OF 4 SHEETS

STA. TO STA.

SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5BJI-3	PEO-TAZ	93	12
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

PERMANENT PAVEMENT MARKING SCHEDULE																
LOCATION	LENGTH	THERMOPLASTIC PAVEMENT MARKING - LINE 4"		THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"		THERMOPLASTIC PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"		MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
		YELLOW SOLID FOOT	WHITE SOLID FOOT	WHITE SKIP DASH FOOT	WHITE SOLID FOOT	WHITE SKIP DASH FOOT	WHITE SOLID FOOT	YELLOW SOLID FOOT	WHITE SOLID FOOT	WHITE SKIP DASH FOOT	LENGTH FOOT	LENGTH FOOT	LENGTH FOOT	LENGTH FOOT	UNIT EACH	UNIT EACH
PEORIA COUNTY																
WESTBOUND I-474																
POST STAGE 1																
STA. 447+50.00 TO STA. 57+50.00	321.4							320.5	320.5	79.0	641.0	79.0				
EASTBOUND I-474																
POST STAGE 1																
STA. 419+32.00 TO STA. 62+78.00	3675.9							3673.8	3677.8	919.0	7351.6	919.0				
WESTBOUND I-474																
POST STAGE 2																
STA. 57+37.00 TO STA. 62+63.00	526.4							526.4	526.4	132.0	1052.8	132.0				
EASTBOUND I-474																
POST STAGE 2																
STA. 428+00.00 TO STA. 57+50.00	2280.0							2276.8	2281.2	570.0	4558.0	570.0				
PEORIA COUNTY TOTAL		0.0	0.0	0.0	0.0	0.0	0.0	6797.5	6805.9	1700.0	13603.4	1700.0	0.0	0.0	0.0	0.0
TAZEWELL COUNTY																
WESTBOUND I-474																
POST STAGE 1																
STA. 106+06.00 TO STA. 110+82.00	470.1	471.6	467.3	120.0		829.5		107.4			938.9	120.0	829.5	107.4	5.0	5.0
STA. 110+82.00 TO STA. 116+63.00	573.9	575.8	570.9	145.3			193.7				1146.7	145.3	193.7			
STA. 116+63.00 TO STA. 122+19.00	549.2	551.0	545.9	140.0		1112.0		141.2			1096.9	140.0	1112.0	141.2		
STA. 122+19.00 TO STA. 133+00.00	1078.5	1079.2	917.9	270.0							1997.1	270.0				
EASTBOUND I-474																
POST STAGE 1																
STA. 62+78.00 TO STA. 97+45.00	3472.1							3470.4	3473.8	870.0	6944.2	870.0				
STA. 97+45.00 TO STA. 99+24.00	181.1	180.4	181.7	50.0							362.1	50.0				
STA. 99+24.00 TO STA. 101+72.00	250.9	250.1	252.6	60.0			63.0				502.7	60.0	63.0			
STA. 101+72.00 TO STA. 105+25.00	357.2	356.0		90.0							356.0	90.0	0.0	0.0	15.0	15.0
STA. 105+25.00 TO STA. 106+32.00	107.0	107.9		27.0							107.9	27.0				
WESTBOUND I-474																
POST STAGE 2																
STA. 62+63.00 TO STA. 97+45.00	3475.3							3477.1	3473.6	870.0	6950.7	870.0				
STA. 97+45.00 TO STA. 99+58.00	210.3	211.0	209.6	50.0							420.6	50.0				
STA. 99+58.00 TO STA. 106+06.00	639.8	641.9	636.6	160.0			216.0				1278.5	160.0	216.0			
STA. 106+06.00 TO STA. 110+82.00	470.1	471.6	467.3	120.0		829.5		107.4			938.9	120.0	829.5	107.4	5.0	5.0
STA. 110+82.00 TO STA. 116+63.00	573.9	575.8	570.9	145.3			193.7				1146.7	145.3	193.7			
STA. 116+63.00 TO STA. 122+19.00	549.2	551.0	545.9	140.0		1112.0		141.2			1096.9	140.0	1112.0	141.2		
STA. 122+19.00 TO STA. 133+00.00	1078.5	1079.2	1077.9	270.0							2157.1	270.0				
IL-29 SB TO I-474 WB (RAMP C)																
STA. 110+82.00 TO STA. 112+52.52	173.2	180.0	173.2								353.2					
EASTBOUND I-474																
POST STAGE 2																
STA. 101+72.00 TO STA. 105+25.00	357.2	356.0	361.3	90.0		718.1		185.6			717.3	90.0	718.1	185.6	15.0	15.0
STA. 105+25.00 TO STA. 111+00.00	581.9	580.0	583.6	150.0							1163.6	150.0				
I-474 EB TO I-29 (RAMP D)																
STA. 105+25.00 TO STA. 106+55.47		134.1	131.3								265.4					
TAZEWELL COUNTY TOTAL		8352.6	7693.9	2027.6	4601.1	666.4	682.8	6947.5	6947.4	1740.0	29941.4	3767.6	5267.5	682.8	40.0	40.0
SUBTOTAL		8352.6	7693.9	2027.6	4601.1	666.4	682.8	13745.0	13753.3	3440.0	43544.8	5467.6	5267.5	682.8	40.0	40.0
TOTAL		16047.0	15387.8	4055.2	9202.2	1332.8	1351.6	27492.5	27500.7	5180.0	87000.2	9235.2	10535.0	1365.6	80.0	80.0

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USER NAME = sfrredd1	DESIGNED - CLS	REVISED -
	DRAWN - CLS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - CEA	REVISED -
PLOT DATE = 7/27/2016	DATE - 07-22-16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5BJI-3	PEO-TAZ	93	13
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL AND PROTECTION (SPECIAL)	
LOCATION	L SUM
JOB SITE	1
TOTAL	1

TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	
LOCATION	L SUM
JOB SITE	1
TOTAL	1

TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	
LOCATION	EA
STAGE 1 - I-474 EB TO IL 29 SB	1
STAGE 2 - I-474 EB TO IL 29 SB	1
STAGE 1 - IL 29 NB TO I-474 WB	1
STAGE 2 - IL 29 NB TO I-474 WB	1
STAGE 1 - IL 29 SB TO I-474 WB	1
STAGE 2 - IL 29 SB TO I-474 WB	1
TOTAL	6

MOWING		
LOCATION	ACRE	
I-474	MEDIAN EAST	3.64
	MEDIAN WEST	3.90
	OUTSIDES EAST	2.26
	OUTSIDES WEST	1.70
RAMP IL 29 SOUTHBOUND	0.48	
RAMP IL 29 NORTHBOUND	0.55	
RAMP I-474 WESTBOUND TO IL 29	0.55	
RAMP I-474 EASTBOUND TO IL 29	0.34	
SUB-TOTAL	13.43	
TOTAL*	53.72	

* TWO MOWINGS EACH CONSTRUCTION STAGE (SEASON)

MODULAR GLARE SCREEN SYSTEM, TEMPORARY		
STATION TO STATION	ALIGNMENT	FT
STAGE 1		
STA 0+99 TO STA 8+49	ST1XOVER	750
STA 42+93 TO STA 51+43	ST1XOVER	850
STAGE 2		
STA 3+25 TO STA 8+50	ST2XOVER	525
STA 42+98 TO STA 52+98	ST2XOVER	1000
TOTAL		3125

ENGINEER'S FIELD OFFICE, TYPE A	
LOCATION	CAL MO
JOB SITE 2017	10
JOB SITE 2018	12
TOTAL	22

CONSTRUCTION LAYOUT	
LOCATION	L SUM
JOB SITE	1
TOTAL	1

SPEED DISPLAY TRAILER	
LOCATION	CAL MO
STAGE 1 - 2 TRAILERS AT 8 MO EACH	16
STAGE 2 - 2 TRAILERS AT 8 MO EACH	16
TOTAL	32

TRAFFIC CONTROL SURVEILLANCE	
LOCATION	CAL DAYS
EAST CROSSOVER - MEDIAN	2
WEST CROSSOVER - MEDIAN	2
EAST CROSSOVER - OUTSIDE	2
TOTAL	6

CHANGEABLE MESSAGE SIGN		
NUMBER	LOCATION	CAL MO
1	I-474 EASTBOUND - STAGE 1	8
1	I-474 EASTBOUND - STAGE 2	8
1	I-474 WESTBOUND - STAGE 1	8
1	I-474 WESTBOUND - STAGE 2	8
1	IL 29 NORTHBOUND - STAGE 1	8
1	IL 29 NORTHBOUND - STAGE 2	8
1	IL 29 SOUTHBOUND - STAGE 1	8
1	IL 29 SOUTHBOUND - STAGE 2	8
TOTAL		64

TEMPORARY CONCRETE BARRIER		
STATION TO STATION	ALIGNMENT	FT
STAGE 1		
STA 0+99 TO STA 51+43	ST1XOVER	5055
STAGE 2		
STA 3+25 TO STA 52+98	ST2XOVER	4978
TOTAL		10033

RAILROAD FLAGGER	
LOCATION	L SUM
JOB SITE	1
TOTAL	1

RAILROAD PROTECTIVE LIABILITY INSURANCE	
LOCATION	L SUM
JOB SITE	1
TOTAL	1

MOBILIZATION	
LOCATION	L SUM
JOB SITE	1
TOTAL	1

WORK ZONE PAVEMENT MARKING AND REMOVAL				
STATION TO STATION	ALIGNMENT	PAVEMENT MARKING TAPE, TYPE IV, 4"		PAVEMENT MARKING REMOVAL-WATER BLASTING SQ FT
		WHITE FT	YELLOW FT	
STAGE 1				
SHEET 20 - STA 419+32 TO STA 430+00	I-474			133.8
STA 419+32 TO STA 430+00 RT			1070	
SHEET 21 - STA 430+00 TO STA 445+00	I-474			188.4
STA 430+00 TO STA 445+00 RT			1507	
SHEET 22 - 445+00 TO STA 62+78	I-474			534.8
STA 445+00 TO STA 62+78 RT			750	1102
STA 0+00 TO STA 8+55 LT-RT	ST1 XOVER	855	855	
SHEET 22-23 BRIDGE PORTION	ST1 XOVER			2747.9
STA 8+55 TO STA 43+26 LT-RT			6942	6942
SHEET 23 - STA 97+46 TO STA 110+00	ST1 XOVER			866.2
STA 43+26 TO STA 45+53 RT			228	
STA 45+53 TO STA 47+40 RT	ST1 XOVER	48		
STA 43+26 TO STA 52+14 RT	ST1 XOVER		898	
STA 43+26 TO STA 53+69 RT	ST1 XOVER		1046	
STA 43+26 TO STA 109+62	ST1 XOVER/I-474	1218		
STA 108+10 TO STA 109+88 LT	I-474	175		
STA 105+07 TO STA 108+10 LT	I-474	75		
STA 108+10 TO STA 110+00 LT	I-474	207		
SHEET 24 - STA 110+00 TO STA 125+00	I-474			794.3
STA 110+00 TO STA 121+49 LT			1132	
STA 118+50 TO STA 121+49 LT			295	
STA 118+50 TO STA 125+00 LT	I-474	643		
SHEET 25 - STA 125+00 TO 131+40	I-474			80.0
STA 125+00 TO STA 131+40 LT			640	
POST STAGE 1 WORK ZONE PAVEMENT MARKING REMOVAL				
STA 419+32 TO STA 131+40	I-474			8875.9
STAGE 2				
SHEET 26 - STA 428+00 TO 430+00	I-474			25.1
STA 428+00 TO STA 430+00 RT			201	
SHEET 27 - STA 430+00 TO 445+00	I-474			188.3
STA 430+00 TO STA 445+00 RT			1506	
SHEET 28 - STA 445+00 TO 62+45	I-474			412.1
STA 445+00 TO STA 62+64			1092	
STA 0+59 TO STA 8+40 LT		ST2XOVER		782
STA 3+25 TO STA 8+40 LT		ST2XOVER		520
STA 5+33 TO STA 8+40 LT	ST2XOVER	312		
SHEET 28-29 BRIDGE PORTION	ST2XOVER			2751.0
STA 8+40 TO STA 43+15 LT-RT			6950	6950
SHEET 29 - STA 97+46 TO STA 107+00	I-474			810.8
STA 97+46 TO STA 107+00 LT			942	1930
STA 49+01 TO STA 53+00 RT	ST2XOVER	401		
STA 49+01 TO STA 51+90 RT	ST2XOVER	296		
STA 47+62 TO STA 49+01 RT	ST2XOVER	35		
STA 43+15 TO STA 51+90 RT	ST2XOVER	885		
SHEET 30 - STA 107+00 TO STA 122+00	I-474			1330.5
STA 107+00 TO STA 109+00 LT			200	
STA 109+38 TO STA 110+74 LT	I-474	134		
STA 109+38 TO STA 121+45 LT	I-474	1190		
STA 120+00 TO STA 121+45 LT	I-474	147		
STA 107+00 TO STA 122+00 LT	I-474		1483	
STA 107+00 TO STA 109+00 RT	I-474		200	
STA 53+00 TO STA 111+00 RT	ST2XOVER/I-474	378		
SHEET 31 - STA 122+00 TO 133+00	I-474			137.5
STA 122+00 TO STA 133+00 LT				1100
POST STAGE 2 WORK ZONE PAVEMENT MARKING REMOVAL				
STA 428+00 TO STA 133+00	I-474			9211.3
SUBTOTAL		27877	26385	
TOTAL		54262		29087.9

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USER NAME = sfreddo1
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 CHECKED - CEA
 DATE - 07-22-16

DESIGNED - CLS
 DRAWN - CLS
 CHECKED - CEA
 DATE - 07-22-16

REVISED -
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 REVISED -
 REVISED -

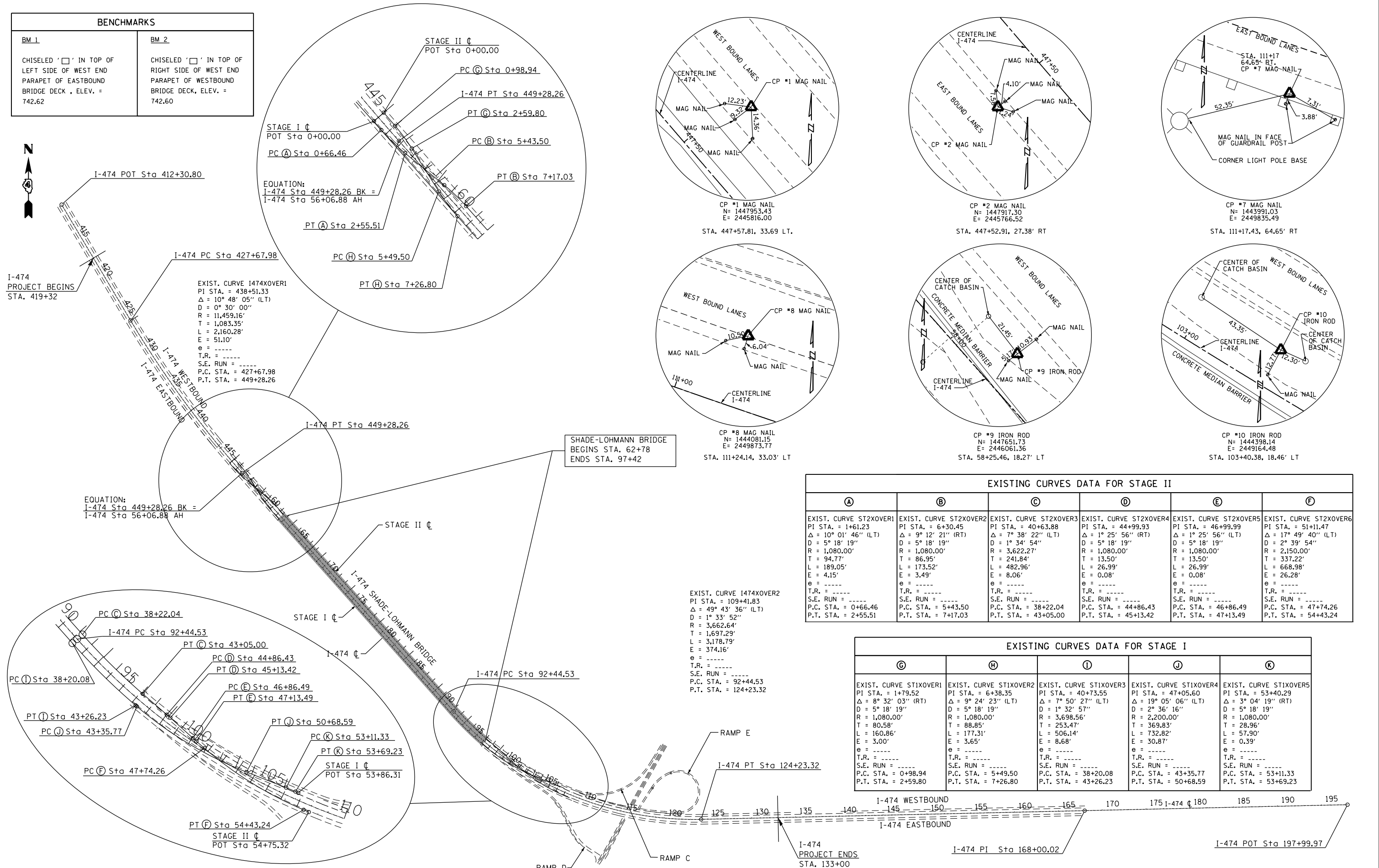
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5BJI-3	PEO-TAZ	93	14
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

BENCHMARKS	
BM 1	BM 2
CHISELED '□' IN TOP OF LEFT SIDE OF WEST END PARAPET OF EASTBOUND BRIDGE DECK, ELEV. = 742.62	CHISELED '□' IN TOP OF RIGHT SIDE OF WEST END PARAPET OF WESTBOUND BRIDGE DECK, ELEV. = 742.60



SHADE-LOHMANN BRIDGE
BEGINS STA. 62+78
ENDS STA. 97+42

EXISTING CURVES DATA FOR STAGE II					
A	B	C	D	E	F
EXIST. CURVE ST2XOVER1 PI STA. = 1+61.23 Δ = 10° 01' 46" (LT) D = 5° 18' 19" R = 1,080.00' T = 94.77' L = 189.05' E = 4.15' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 0+66.46 P.T. STA. = 2+55.51	EXIST. CURVE ST2XOVER2 PI STA. = 6+30.45 Δ = 9° 12' 21" (RT) D = 5° 18' 19" R = 1,080.00' T = 86.95' L = 173.52' E = 3.49' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 5+43.50 P.T. STA. = 7+17.03	EXIST. CURVE ST2XOVER3 PI STA. = 40+63.88 Δ = 7° 38' 22" (LT) D = 1° 34' 54" R = 3,622.27' T = 241.84' L = 482.96' E = 8.06' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 38+22.04 P.T. STA. = 43+05.00	EXIST. CURVE ST2XOVER4 PI STA. = 44+99.93 Δ = 1° 25' 56" (RT) D = 5° 18' 19" R = 1,080.00' T = 13.50' L = 26.99' E = 0.08' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 44+86.43 P.T. STA. = 45+13.42	EXIST. CURVE ST2XOVER5 PI STA. = 46+99.99 Δ = 1° 25' 56" (LT) D = 5° 18' 19" R = 1,080.00' T = 13.50' L = 26.99' E = 0.08' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 46+86.49 P.T. STA. = 47+13.49	EXIST. CURVE ST2XOVER6 PI STA. = 51+11.47 Δ = 17° 49' 40" (LT) D = 2° 39' 54" R = 2,150.00' T = 337.22' L = 668.98' E = 26.28' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 47+74.26 P.T. STA. = 54+43.24

EXISTING CURVES DATA FOR STAGE I				
G	H	I	J	K
EXIST. CURVE ST1XOVER1 PI STA. = 1+79.52 Δ = 8° 32' 03" (RT) D = 5° 18' 19" R = 1,080.00' T = 80.58' L = 160.86' E = 3.00' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 0+98.94 P.T. STA. = 2+59.80	EXIST. CURVE ST1XOVER2 PI STA. = 6+38.35 Δ = 9° 24' 23" (LT) D = 5° 18' 19" R = 1,080.00' T = 88.85' L = 177.31' E = 3.65' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 5+49.50 P.T. STA. = 7+26.80	EXIST. CURVE ST1XOVER3 PI STA. = 40+73.55 Δ = 7° 50' 27" (LT) D = 1° 32' 57" R = 3,698.56' T = 253.47' L = 506.14' E = 8.68' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 38+20.08 P.T. STA. = 43+26.23	EXIST. CURVE ST1XOVER4 PI STA. = 47+05.60 Δ = 19° 05' 06" (LT) D = 2° 36' 16" R = 2,200.00' T = 369.83' L = 732.82' E = 30.87' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 43+35.77 P.T. STA. = 50+68.59	EXIST. CURVE ST1XOVER5 PI STA. = 53+40.29 Δ = 3° 04' 19" (RT) D = 5° 18' 19" R = 1,080.00' T = 28.96' L = 57.90' E = 0.39' e = ---- T.R. = ---- S.E. RUN = ---- P.C. STA. = 53+11.33 P.T. STA. = 53+69.23

EXIST. CURVE 1474XOVER2
PI STA. = 109+41.83
Δ = 49° 43' 36" (LT)
D = 1° 33' 52"
R = 3,662.64'
T = 1,697.29'
L = 3,178.79'
E = 374.16'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 92+44.53
P.T. STA. = 124+23.32

SCALE: N/A	SHEET OF SHEETS	STA. TO STA.	F.A.I. RTE. 474	SECTION [(72, 90)5BJI-3]	COUNTY PEO-TAZ	TOTAL SHEETS 93	SHEET NO. 15
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USER NAME = sfraddol	DESIGNED - ETW	REVISED -
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PLOT DATE = 7/25/2016	CHECKED - CLS	REVISED -
	DATE - 07-22-16	REVISED -

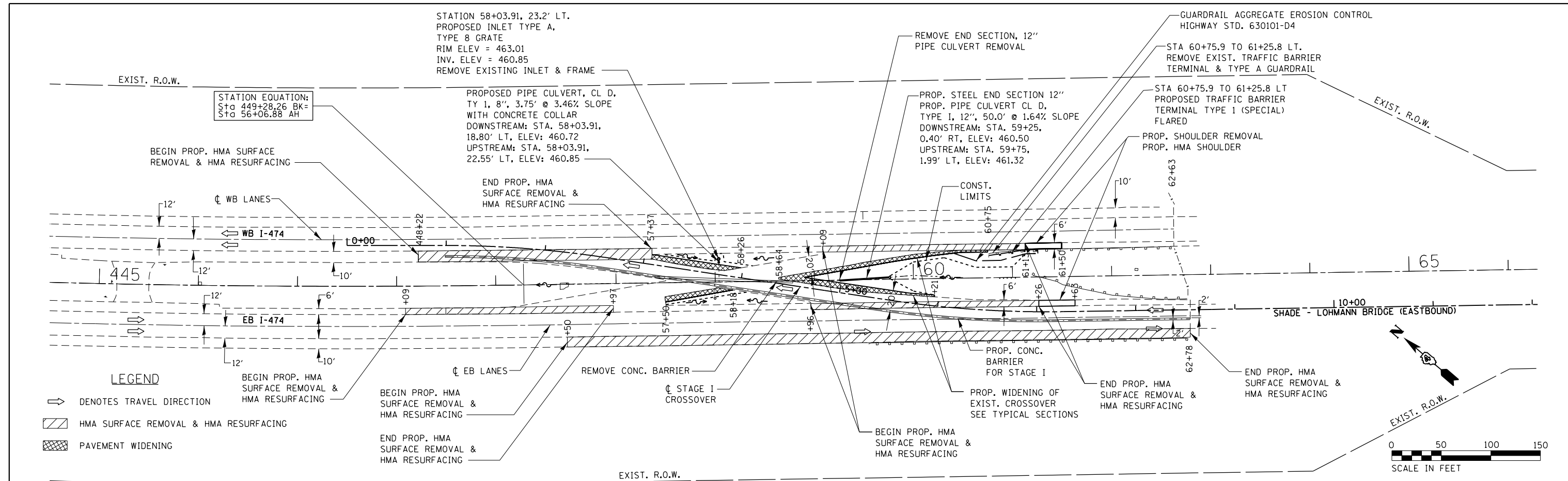
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-474
ALIGNMENT, TIES, AND BENCHMARKS

CONTRACT NO. 68B00	ILLINOIS FED. AID PROJECT
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DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
CADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
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GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	

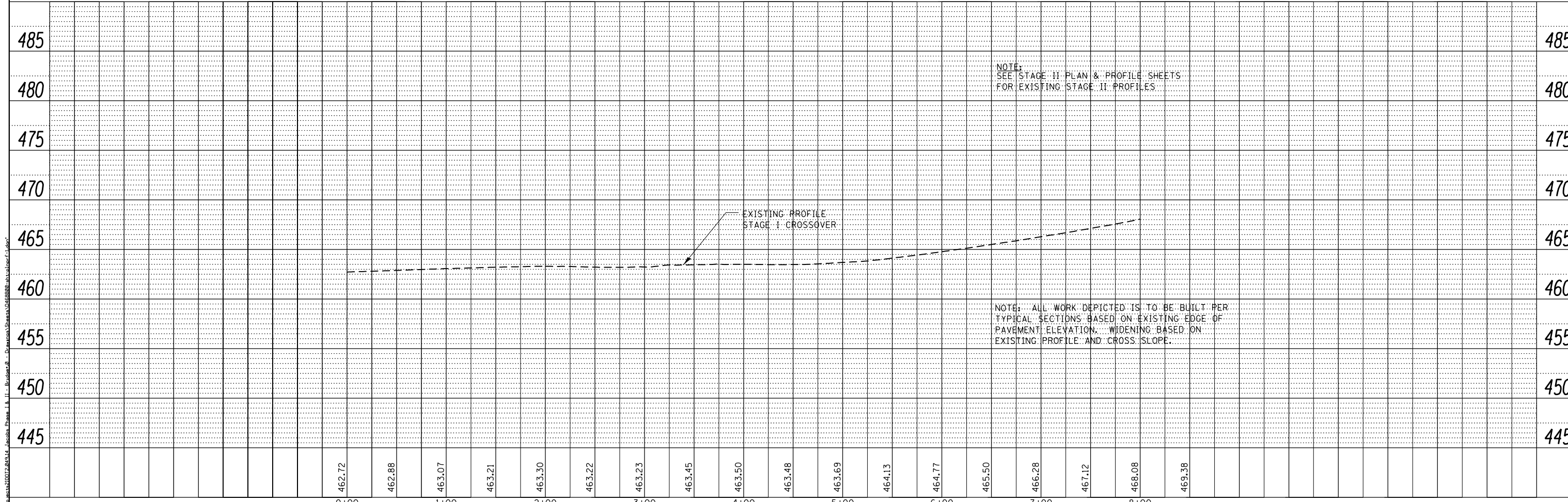
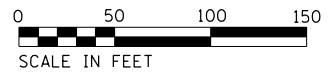


LEGEND

→ DENOTES TRAVEL DIRECTION

▨ HMA SURFACE REMOVAL & HMA RESURFACING

▩ PAVEMENT WIDENING



NOTE: SEE STAGE II PLAN & PROFILE SHEETS FOR EXISTING STAGE II PROFILES.

NOTE: ALL WORK DEPICTED IS TO BE BUILT PER TYPICAL SECTIONS BASED ON EXISTING EDGE OF PAVEMENT ELEVATION. WIDENING BASED ON EXISTING PROFILE AND CROSS SLOPE.

HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = jeffnew	DESIGNED - RJJ	REVISED -
PLOT SCALE = 50 scale	DRAWN - RJJ	REVISED -
PLOT DATE = 7/27/2016 3:16:53 PM	CHECKED - JLH	REVISED -
	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

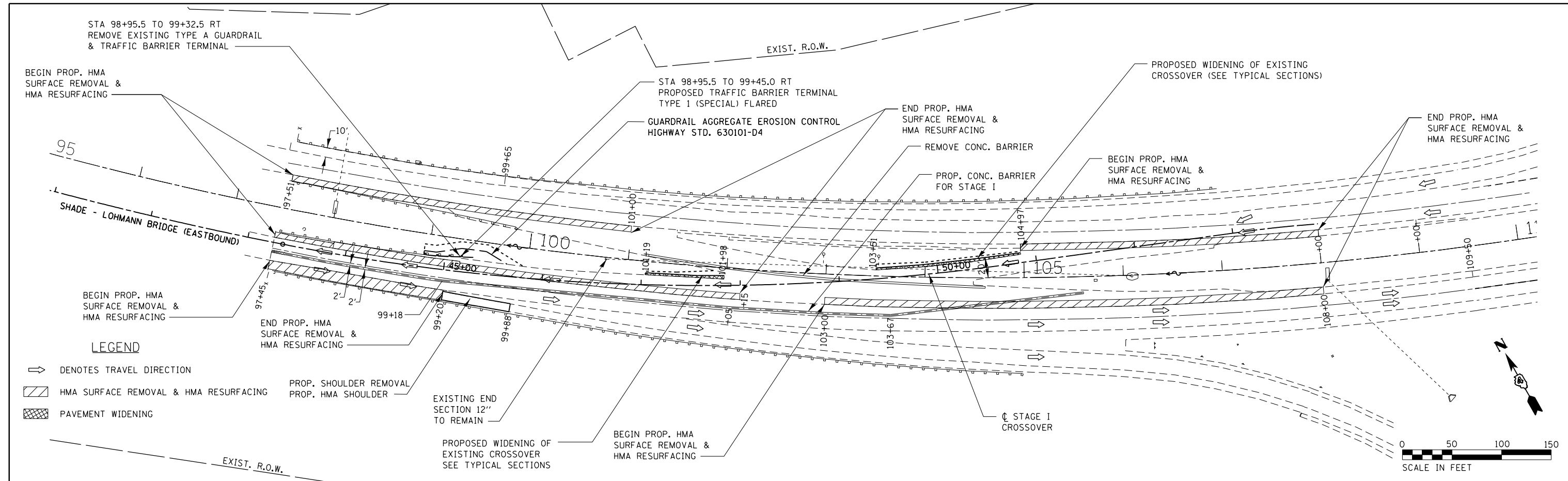
MAINTENANCE OF TRAFFIC PLAN AND PROFILE STAGE I WEST

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]-3	PEO-TAZ	93	16
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

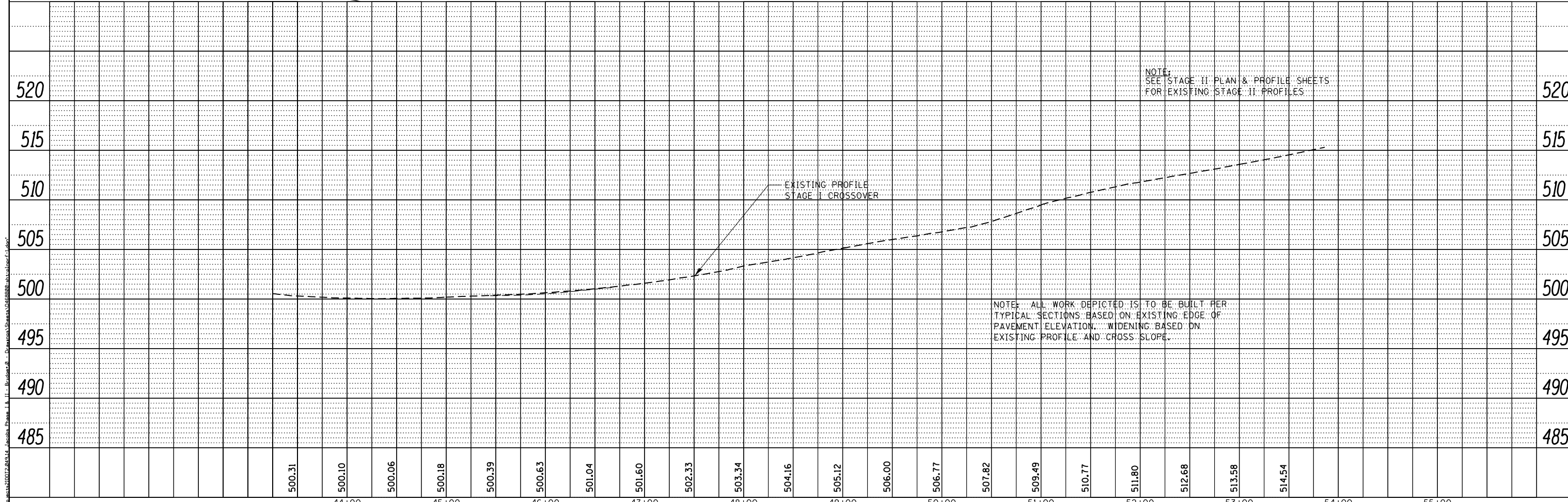
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	PLOTTED	BY
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LEGEND

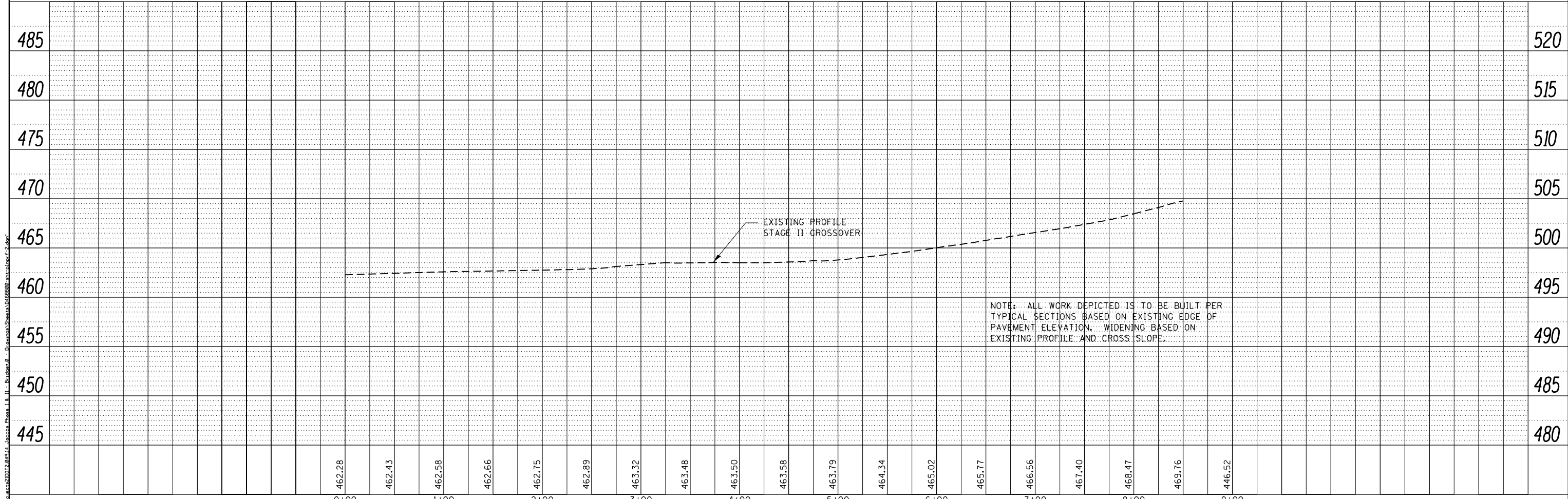
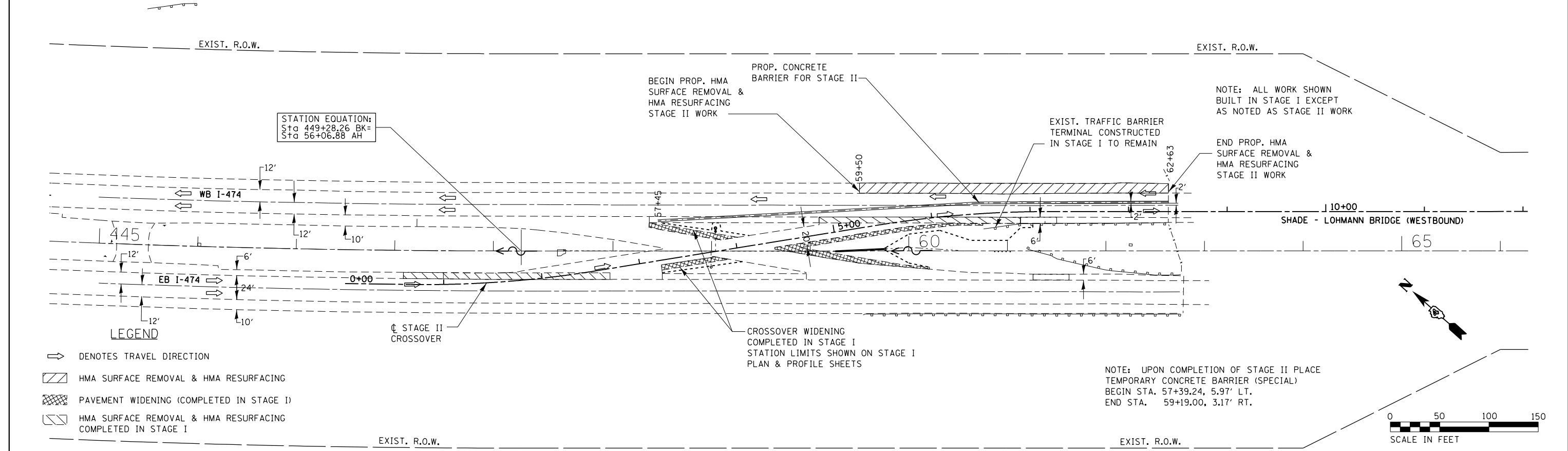
- DENOTES TRAVEL DIRECTION
- [Hatched Box] HMA SURFACE REMOVAL & HMA RESURFACING
- [Cross-hatched Box] PAVEMENT WIDENING
- [Dashed Box] PROP. SHOULDER REMOVAL
- [Dotted Box] PROP. HMA SHOULDER
- [Solid Box] EXISTING END SECTION 12" TO REMAIN



<p>HERMANN & ASSOCIATES, LLC CONSULTING ENGINEERS</p>	USER NAME = jeffnew	DESIGNED - RJJ	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">MAINTENANCE OF TRAFFIC PLAN AND PROFILE STAGE I EAST</p>				F.A.I. RTE. 474	SECTION [(72,90)5B]I-3	COUNTY PEO-TAZ	TOTAL SHEETS 93	SHEET NO. 17
	PLOT SCALE = 50 scale	CHECKED - JLH	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 68B00			
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PLOTTED	
NOTE BOOK	
CHECKED	
NO.	
STRUCTURE	
NOTATIONS	
CHFD	



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = jeffnew	DESIGNED - RJJ	REVISED -
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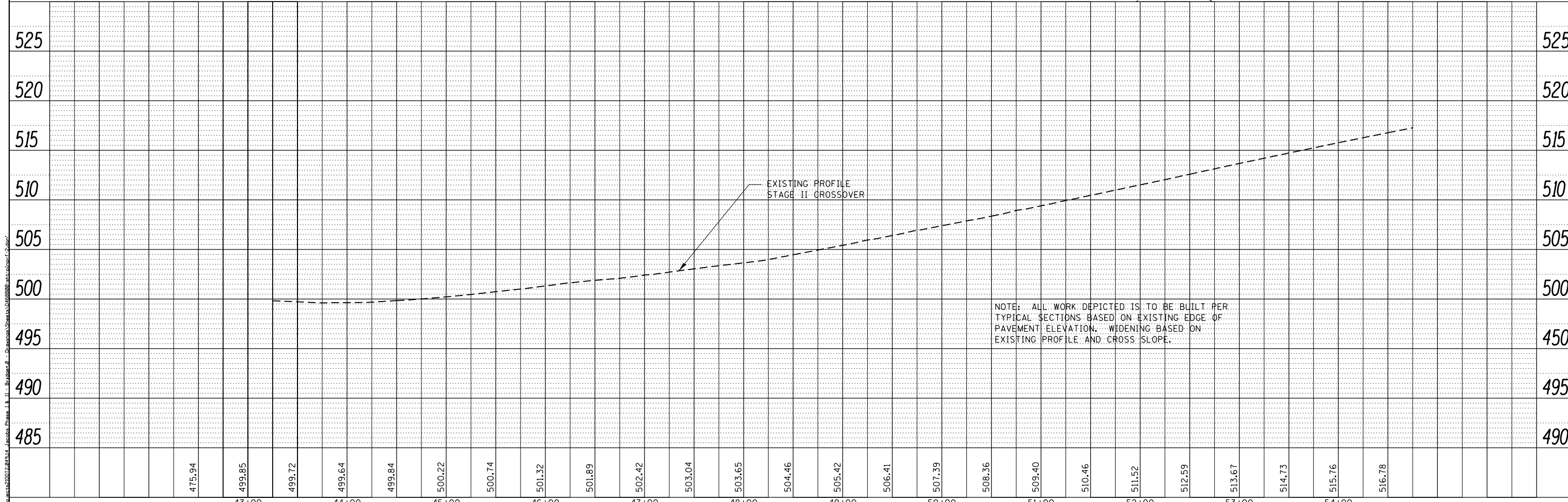
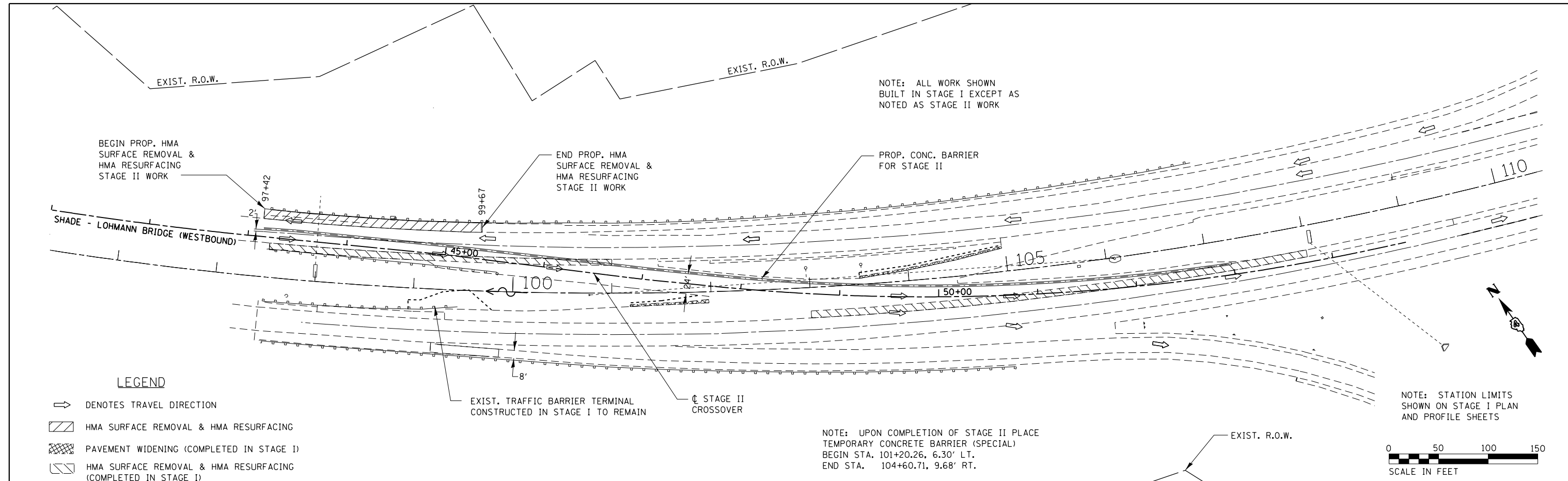
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN AND PROFILE STAGE II WEST				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	18
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS CHECKED	NO.



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = jeffnew	DESIGNED - RJJ	REVISED -
PLOT SCALE = 50 scale	DRAWN - RJJ	REVISED -
PLOT DATE = 7/27/2016 3:18:34 PM	CHECKED - JLH	REVISED -
	DATE - 07-01-16	REVISED -










STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

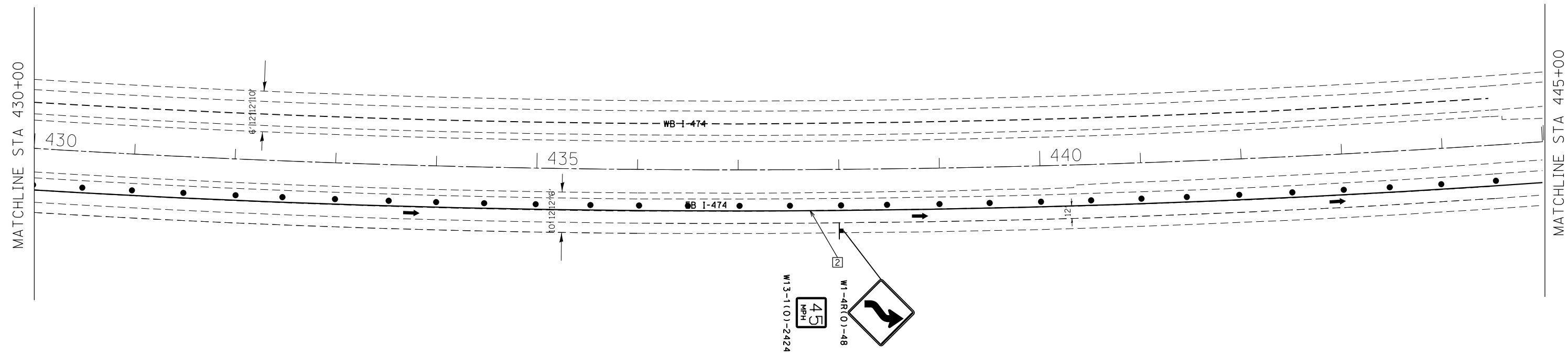
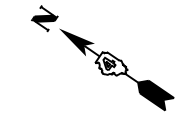
MAINTENANCE OF TRAFFIC PLAN AND PROFILE STAGE II EAST

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	19
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

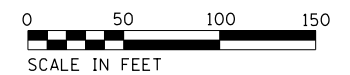
LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD



TEMPORARY PAVEMENT MARKING LEGEND

- 1** PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
- 2** PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)



FILE NAME = P:\C133701\7080\ad\702\CIVIL\AD468800-SHT-STAGING-1.dgn



USER NAME = sfraddol	DESIGNED - CLS	REVISED -
	DRAWN - CLS	REVISED -
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PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -










**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

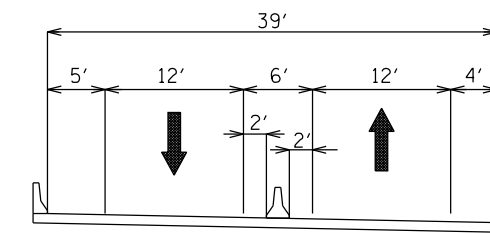
MAINTENANCE OF TRAFFIC PLAN STAGE I

SCALE: SHEET NO. 2 OF 12 SHEETS STA. 430+00 TO STA. 445+00

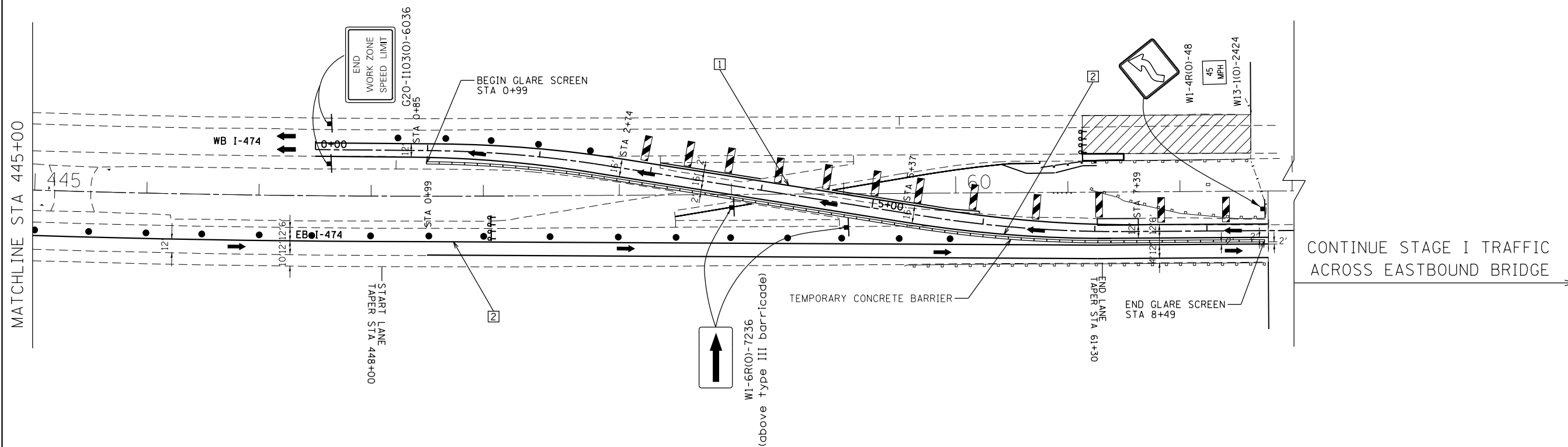
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5BJI-3	PEO-TAZ	93	21
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD



EASTBOUND BRIDGE MOT TYPICAL
(LOOKING EAST)



TEMPORARY PAVEMENT MARKING LEGEND

- 1 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
- 2 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)



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USER NAME = sfrredd1	DESIGNED - CLS	REVISED -
DRAWN - CLS	REVISIONS -	
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PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










MAINTENANCE OF TRAFFIC PLAN STAGE I

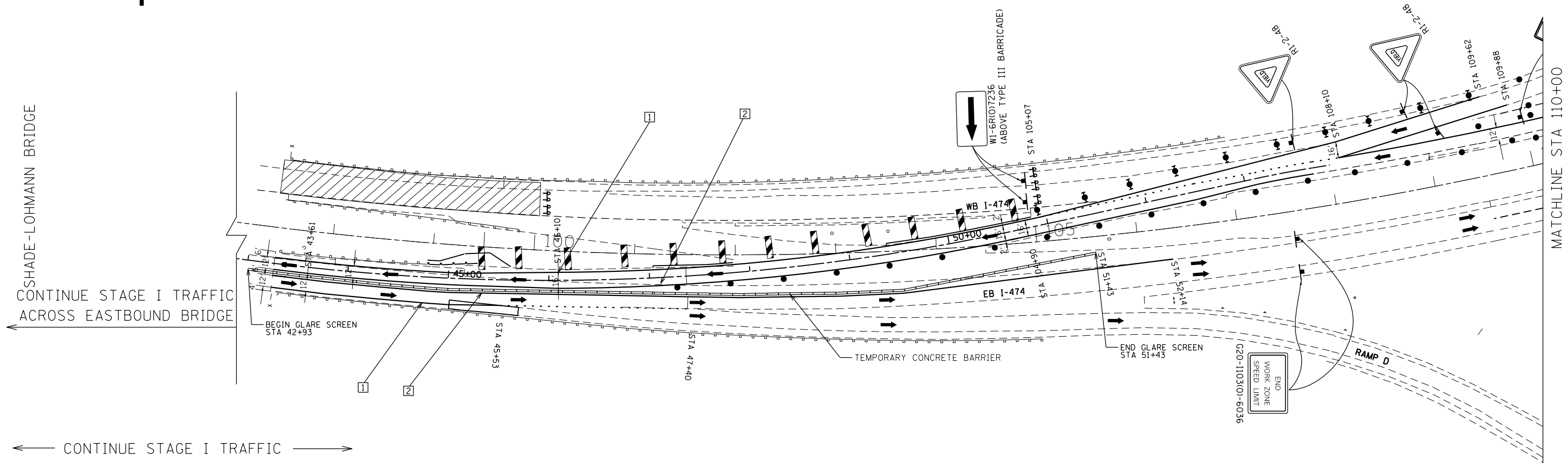
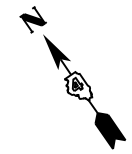
SCALE: SHEET NO. 3 OF 12 SHEETS STA. 445+00 TO STA. 63+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(172, 90)5BJI-3	PEO-TAZ	93	22
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	



SHADE-LOHMANN BRIDGE

LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD



TEMPORARY PAVEMENT MARKING LEGEND

-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)



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	DRAWN - CLS	REVISED -
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PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -

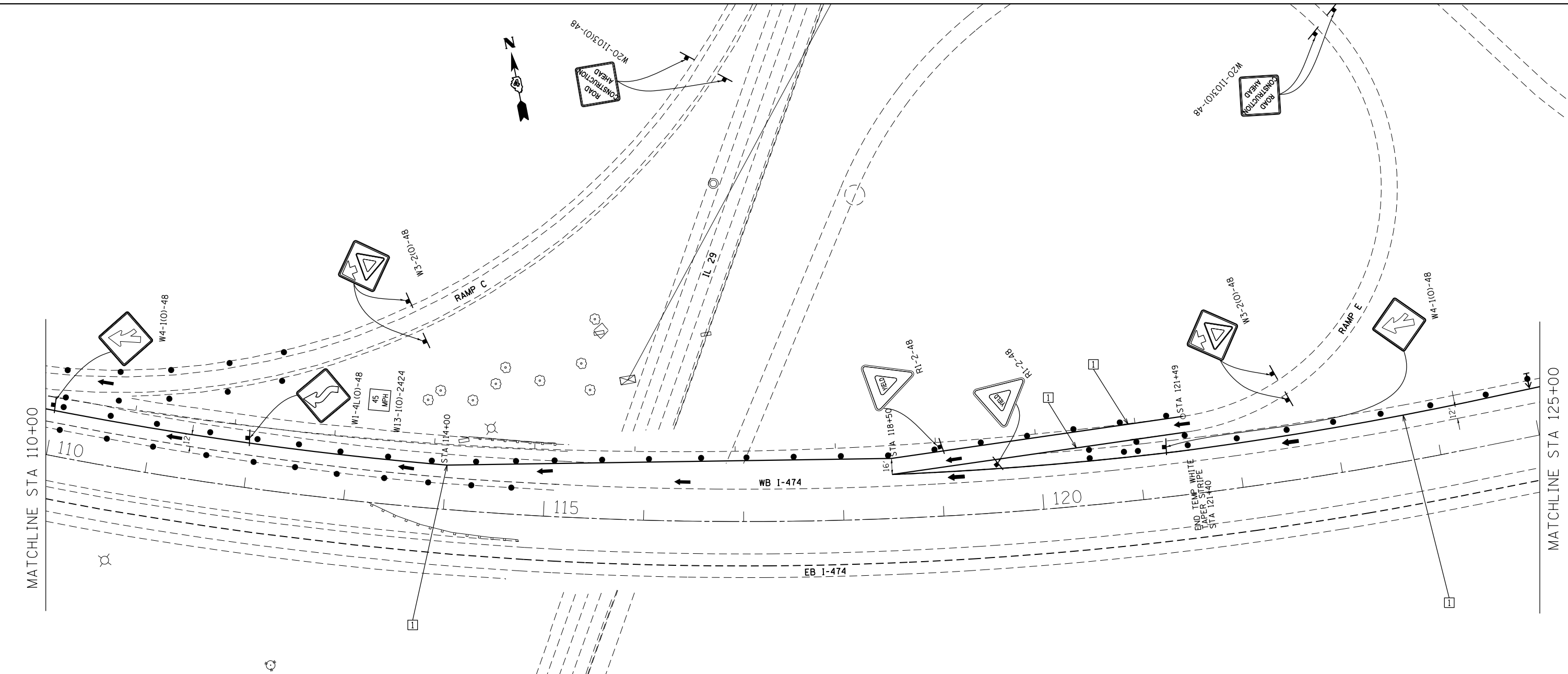
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE I










SCALE: SHEET NO. 4 OF 12 SHEETS STA. 97+00 TO STA. 110+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	23
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	



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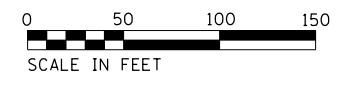


LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)



USER NAME = sfreddol	DESIGNED - CLS	REVISED -
DRAWN - CLS	REVISOR -	REVISION -
PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISOR -
PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISION -










**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

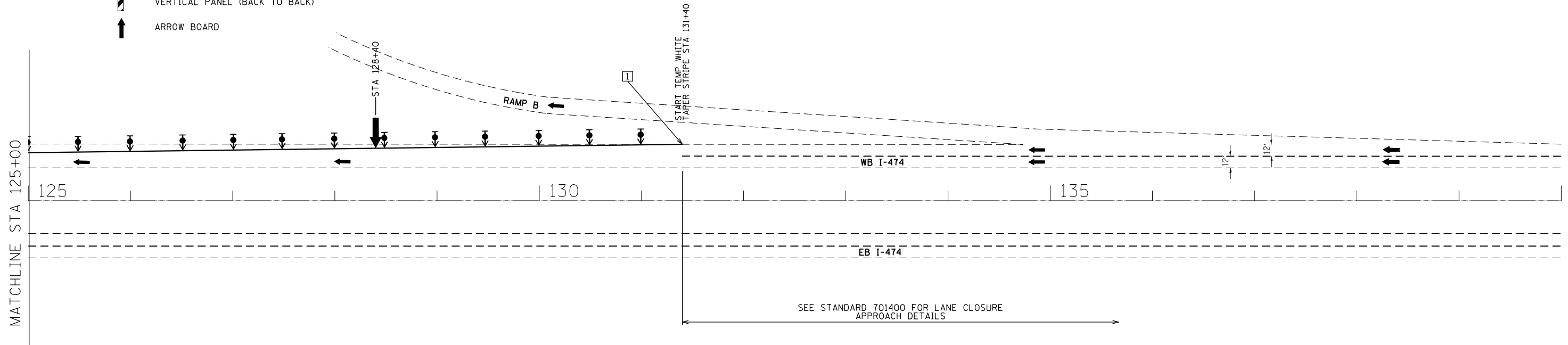
MAINTENANCE OF TRAFFIC PLAN STAGE I

SCALE: SHEET NO. 5 OF 12 SHEETS STA. 110+00 TO STA. 125+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	24
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

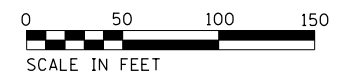
LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD



TEMPORARY PAVEMENT MARKING LEGEND

- 1 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
- 2 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)



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USER NAME = sfredde1	DESIGNED - CLS	REVISED -
DRAWN - CLS	REVISIONS -	
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PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISIONS -










**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE I

SCALE: SHEET NO. 6 OF 12 SHEETS STA. 125+00 TO STA. 140+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	25
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD

PRE-STAGE II CONSTRUCTION:

- 1- REMOVE AND REPLACE 2" OF HMA SHOULDERS (TO REMOVE RUMBLE STRIPS) IN ACCORDANCE WITH HIGHWAY STANDARD 701401 AND 701411, AND AS SHOWN IN PLANS.
- 2- REMOVE CONFLICTING EXISTING PAVEMENT MARKING LINES, REFLECTORS AND SIGNS UNDER HIGHWAY STANDARD 701426 OR 701401 AND 701411.
- 3- INSTALL SIGNS, TEMPORARY PAVEMENT MARKING, TEMPORARY CONCRETE TRAFFIC BARRIER, TEMPORARY LIGHTING AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES AS INDICATED IN THE STAGE II MAINTENANCE OF TRAFFIC PLAN IN ACCORDANCE WITH HIGHWAY STANDARDS 701401 AND 701426.

STAGE II CONSTRUCTION:

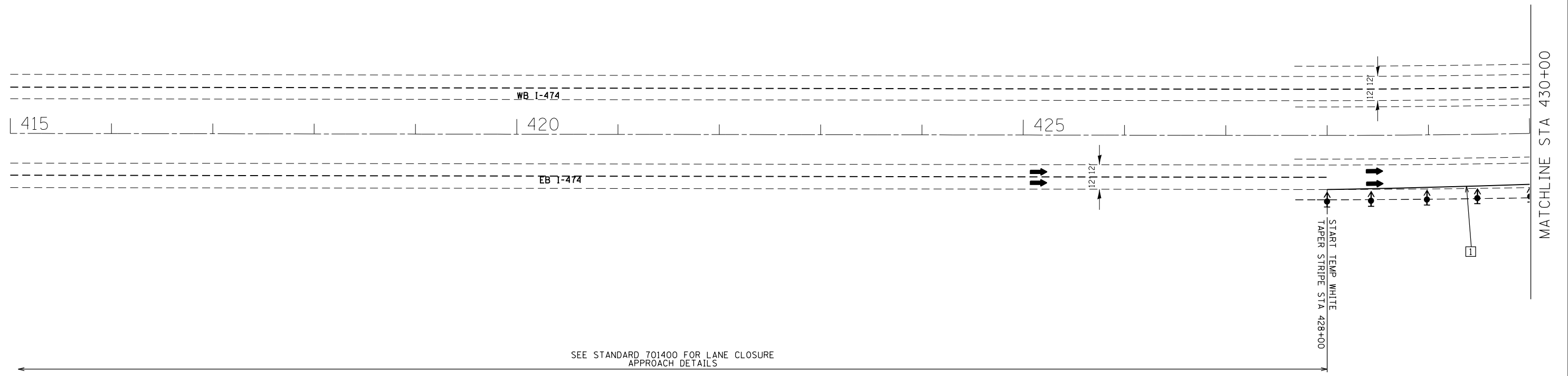
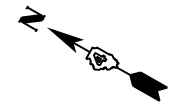
- 1- PERFORM BRIDGE REHABILITATION AND PAINTING ON THE I-474 EASTBOUND BRIDGE.

POST-STAGE II CONSTRUCTION:

- 1- CONSTRUCT RUMBLE STRIPS AT PRE-EXISTING LOCATIONS.
- 2- REPLACE PERMANENT PAVEMENT MARKINGS AND REMOVE TEMPORARY PAVEMENT MARKINGS.
- 3- CLOSE OFF CROSSOVERS WITH STORED TEMPORARY CONCRETE TRAFFIC BARRIER.

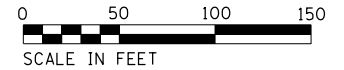
NOTES:

ALL SIGNS SHALL BE MOUNTED WITH STEADY BURN LIGHTS AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION. THE COST OF THIS WORK AND ALL SIGNS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT COST FOR TRAFFIC CONTROL AND PROTECTION.



TEMPORARY PAVEMENT MARKING LEGEND










- 1 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
- 2 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)

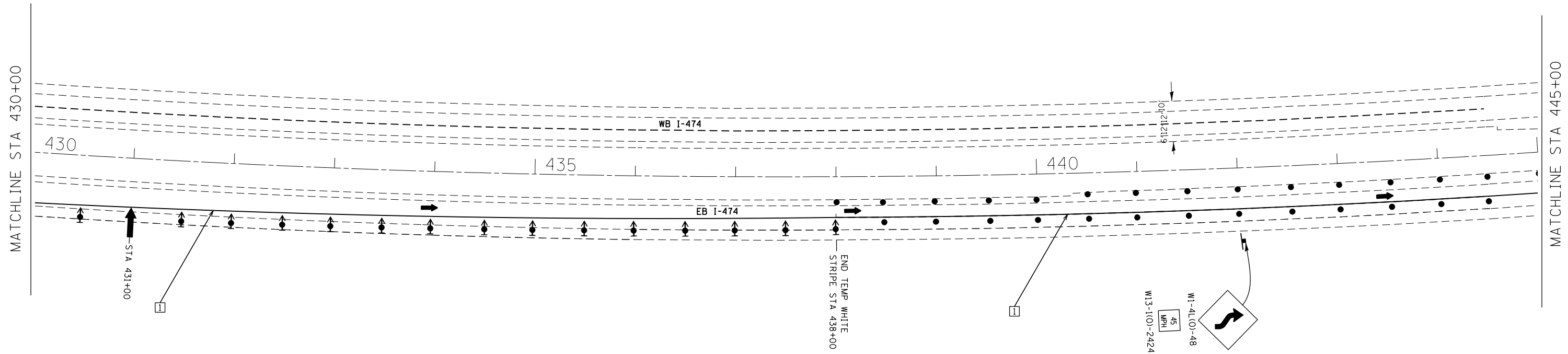
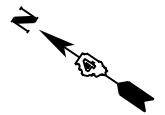


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
JACOBS	USER NAME = sfrreddo1	DESIGNED - CLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN STAGE II			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	CHECKED - CEA	REVISED -		474	[(72, 90)5B]I-3	PEO-TAZ	93	26			
PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -		SCALE:	SHEET NO. 7 OF 12 SHEETS	STA. 415+00 TO STA. 430+00	ILLINOIS FED. AID PROJECT CONTRACT NO. 68B00					

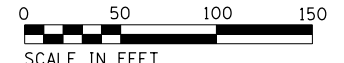
LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD



TEMPORARY PAVEMENT MARKING LEGEND










-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)

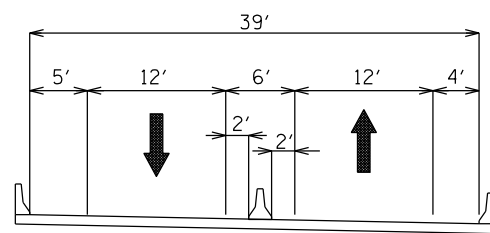
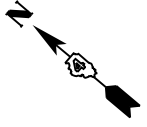


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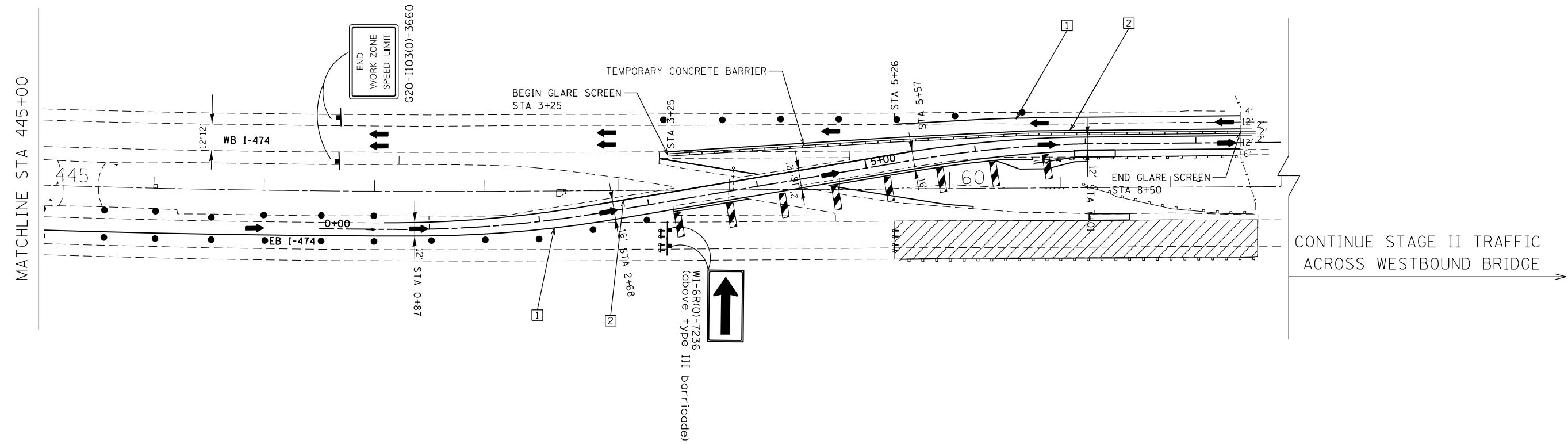
JACOBS	USER NAME = sfrreddo1	DESIGNED - CLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN STAGE II			F.A.I. RTE. = 474	SECTION = [(72, 90)5B]I-3	COUNTY = PEO-TAZ	TOTAL SHEETS = 93	SHEET NO. = 27
	PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -		SCALE:	SHEET NO. 8 OF 12 SHEETS	STA. 430+00 TO STA. 445+00	CONTRACT NO. 68B00				
	PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -		ILLINOIS FED. AID PROJECT							

LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD

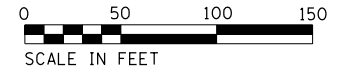


WESTBOUND BRIDGE MOT TYPICAL
(LOOKING WEST)



TEMPORARY PAVEMENT MARKING LEGEND










- 1 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
- 2 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)

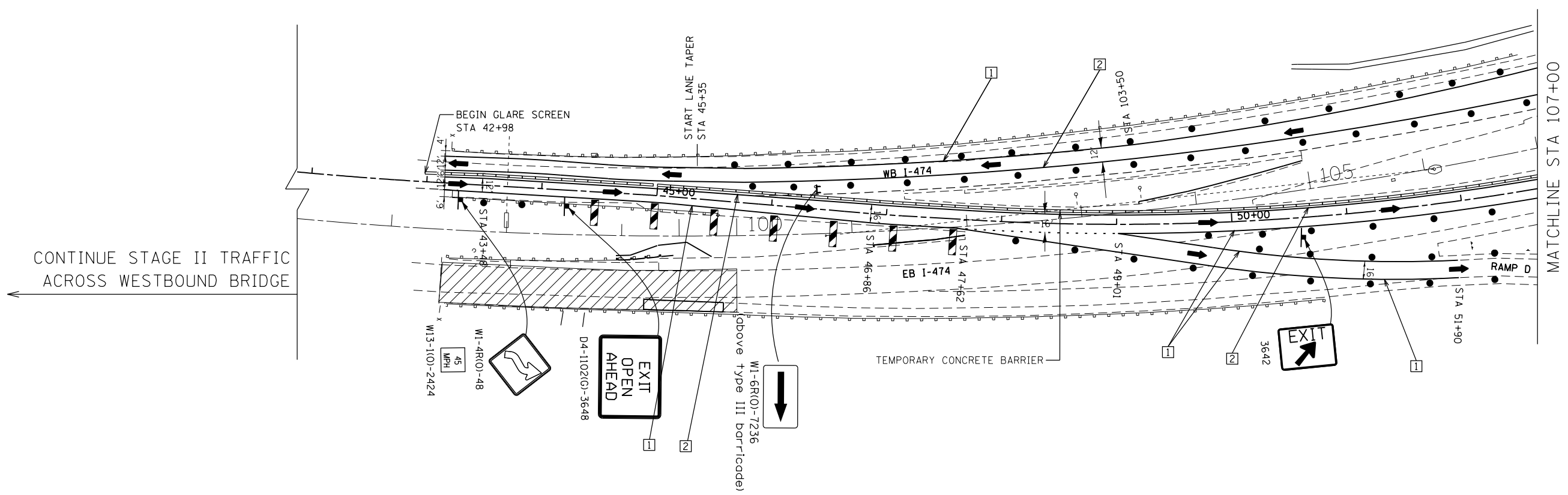


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	PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -		SCALE:	SHEET NO. 9 OF 12 SHEETS	STA. 445+00 TO STA. 63+00	CONTRACT NO. 68B00			
	PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -		ILLINOIS FED. AID PROJECT						

LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD



TEMPORARY PAVEMENT MARKING LEGEND










- 1 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
- 2 PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)

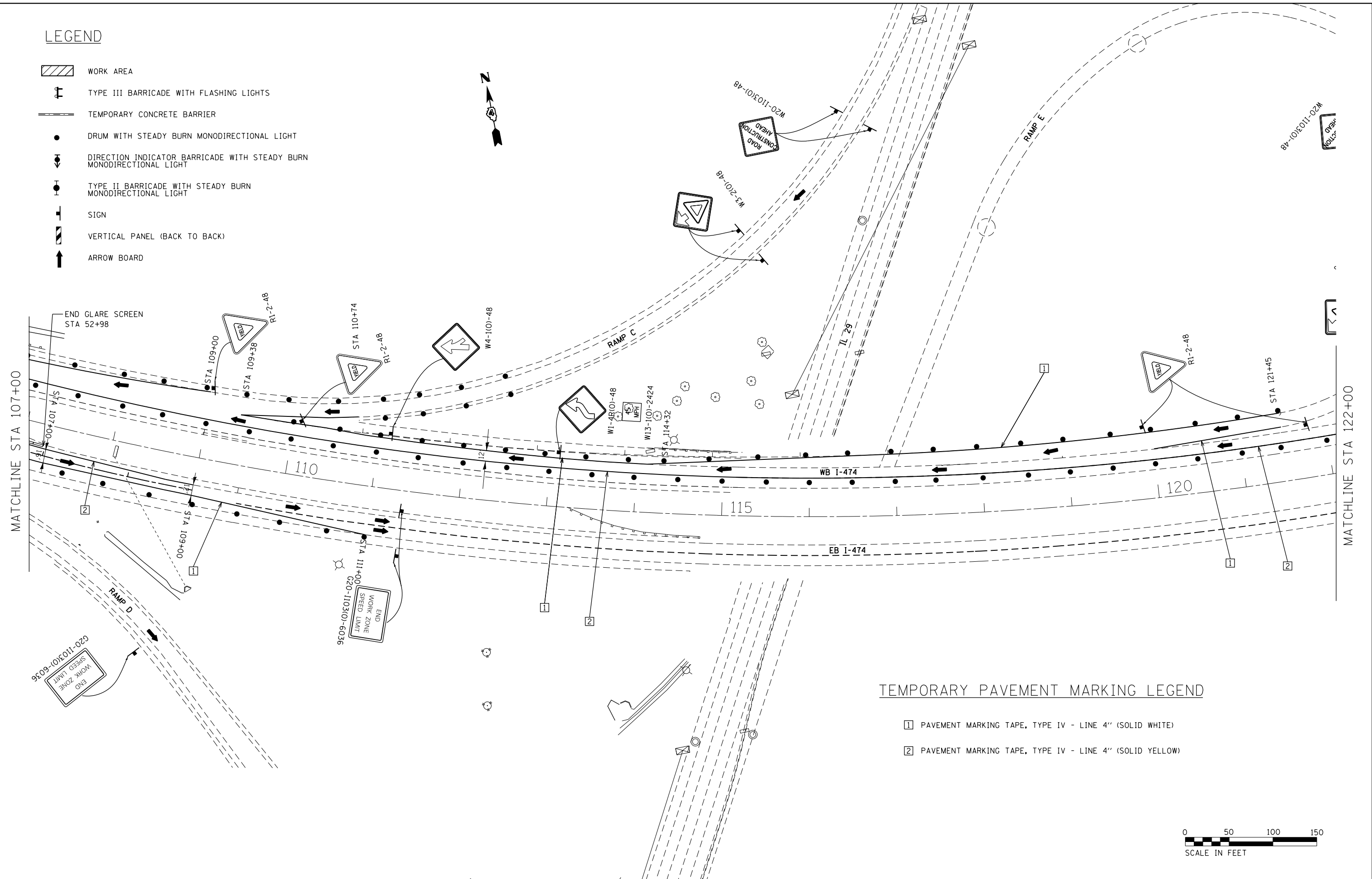


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

JACOBS	USER NAME = sfrreddo1	DESIGNED - CLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN STAGE II			F.A.I. RTE. = 474	SECTION = [(72, 90)5B]1-3	COUNTY = PEO-TAZ	TOTAL SHEETS = 93	SHEET NO. = 29
	PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -		SCALE:	SHEET NO. 10 OF 12 SHEETS	STA. 96+00 TO STA. 107+00	CONTRACT NO. 68B00				
	PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -		ILLINOIS FED. AID PROJECT							

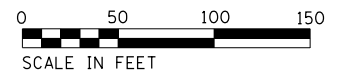
LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  SIGN
-  VERTICAL PANEL (BACK TO BACK)
-  ARROW BOARD



TEMPORARY PAVEMENT MARKING LEGEND

-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
-  PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)



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USER NAME = sfrredd1	DESIGNED - CLS	REVISED -
DRAWN - CLS	REVISED -	
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PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -

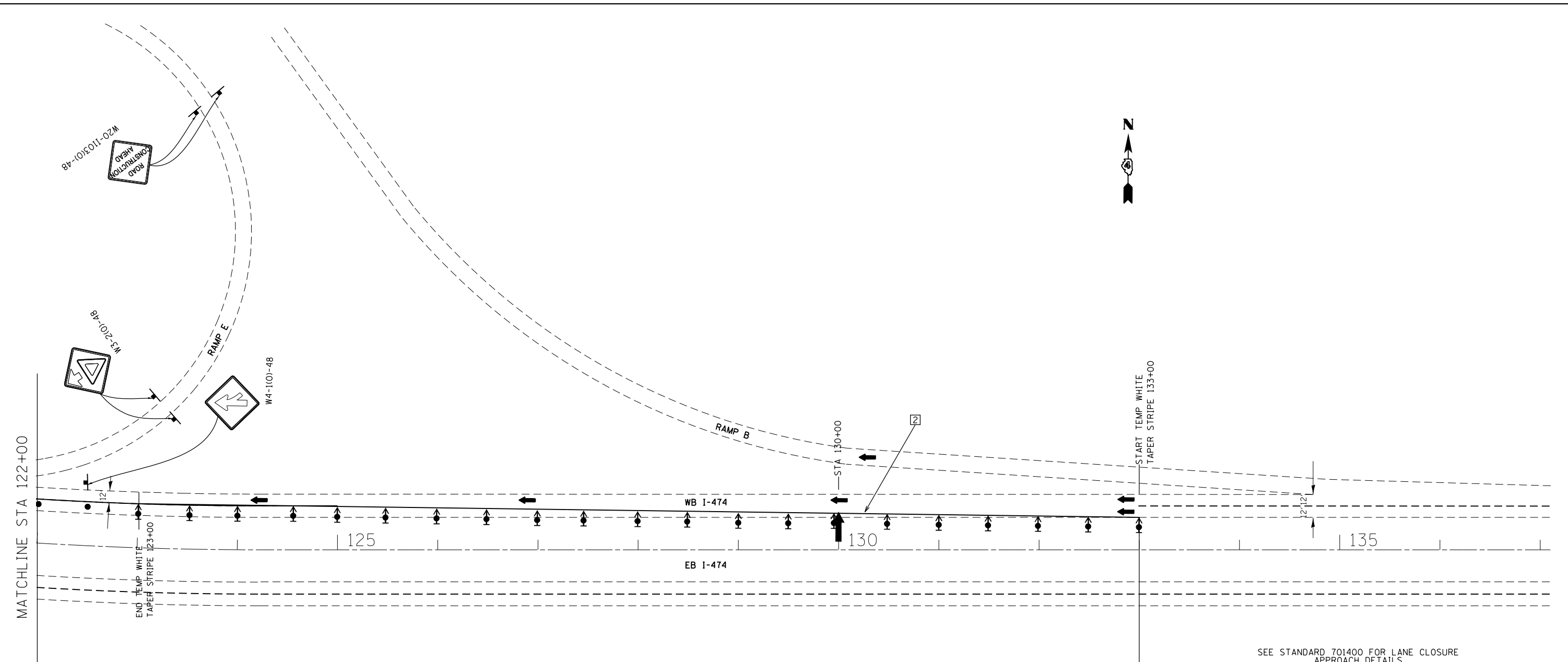
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE II

SCALE: SHEET NO. 11 OF 12 SHEETS STA. 107+00 TO STA. 122+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	30
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

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LEGEND

- WORK AREA
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- SIGN
- VERTICAL PANEL (BACK TO BACK)
- ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID WHITE)
- ② PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (SOLID YELLOW)

SEE STANDARD 701400 FOR LANE CLOSURE APPROACH DETAILS



USER NAME = sfrreddo1	DESIGNED - CLS	REVISED -
DRAWN - CLS	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -
PLOT DATE = 8/1/2016	DATE - 07-22-16	REVISED -

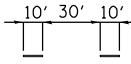
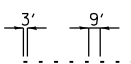
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE II



SCALE: SHEET NO. 12 OF 12 SHEETS STA. 122+00 TO STA. 137+00

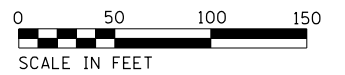
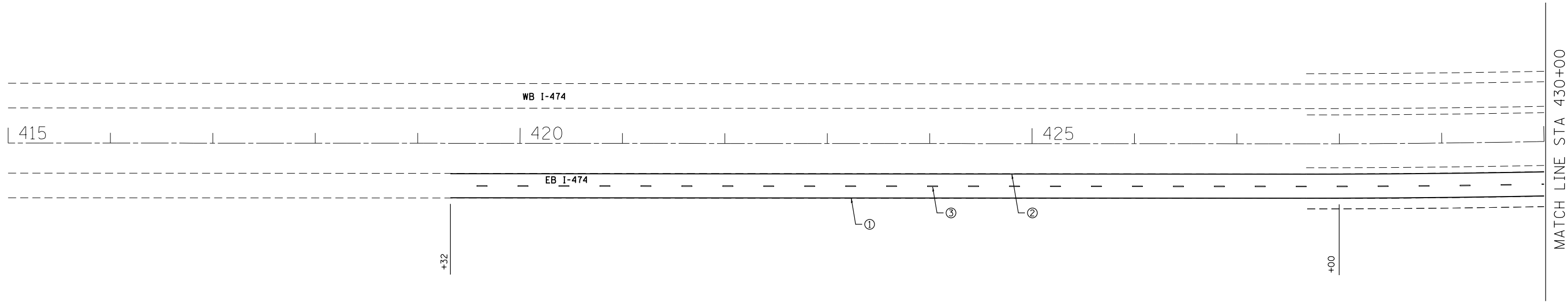
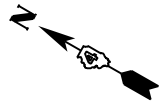
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5B]I-3	PEO-TAZ	93	31
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING LEGEND

- ① 4" SOLID WHITE
- ② 4" SOLID YELLOW
- ③ 6" SKIP DASH WHITE 
- ④ 8" SOLID WHITE
- ⑤ 8" SKIP DASH WHITE 
- ⑥ 12" SOLID WHITE
- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS ◀
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS ◀

TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION 
- PERIMETER EROSION BARRIER 



FILE NAME = P:\C1\33701\7080\ad\702\CIVIL\AD468B00-SHT-PKK-EROS.dgn

JACOBS	USER NAME = sfrreddo1	DESIGNED - RSB	REVISED -
		DRAWN - RSB	REVISED -
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	PLOT DATE = 7/25/2016	DATE - 07-22-16	REVISED -

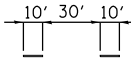
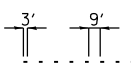
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND EROSION CONTROL DETAILS



SCALE: SHEET NO. 1 OF 6 SHEETS STA. 415+00 TO STA. 430+00

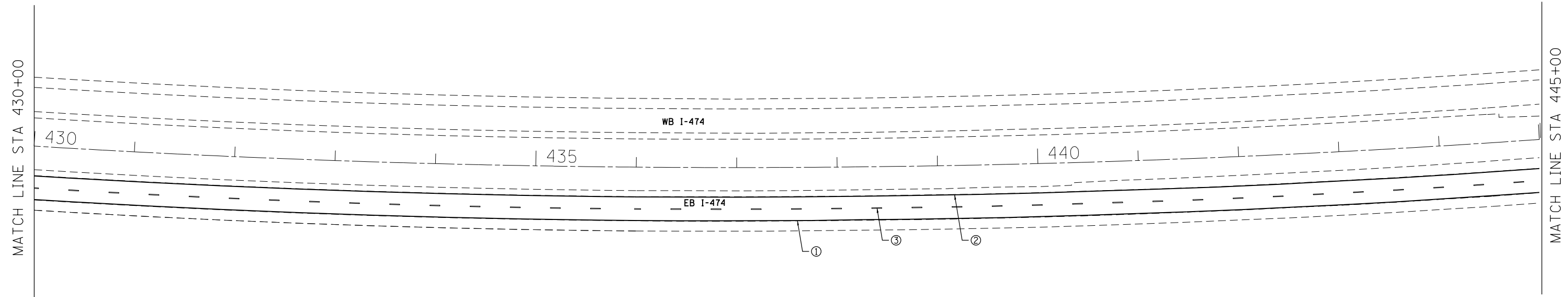
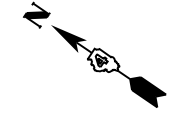
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72, 90)5BJI-3	PEO-TAZ	93	32
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING LEGEND

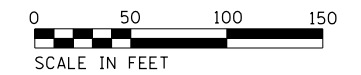
- ① 4" SOLID WHITE
- ② 4" SOLID YELLOW
- ③ 6" SKIP DASH WHITE 
- ④ 8" SOLID WHITE
- ⑤ 8" SKIP DASH WHITE 
- ⑥ 12" SOLID WHITE
- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS ◀
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS ◀

TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION 
- PERIMETER EROSION BARRIER 

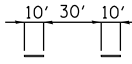
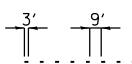


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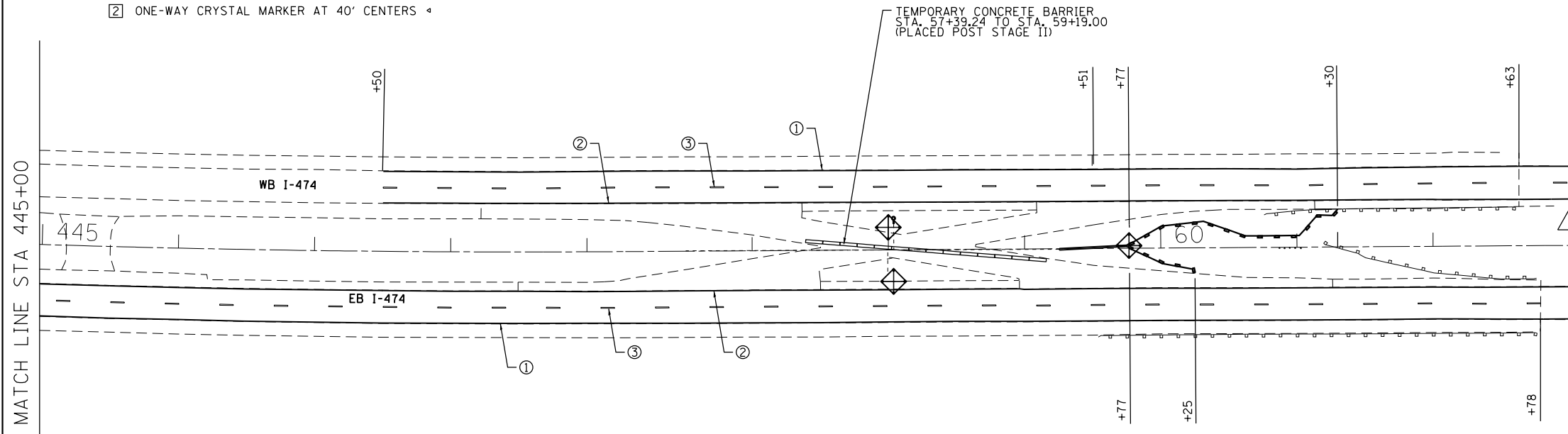
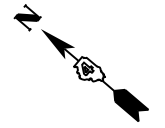
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	PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -		474	[(72, 90)5BJI-3	PEO-TAZ	93	33			
PLOT DATE = 7/25/2016	DATE - 07-22-16	REVISED -	SCALE: SHEET NO. 2 OF 6 SHEETS STA. 430+00 TO STA. 445+00			CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT			

PAVEMENT MARKING LEGEND

- ① 4" SOLID WHITE
- ② 4" SOLID YELLOW
- ③ 6" SKIP DASH WHITE 
- ④ 8" SOLID WHITE
- ⑤ 8" SKIP DASH WHITE 
- ⑥ 12" SOLID WHITE
- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS ◀
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS ◀

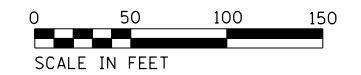
TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION 
- PERIMETER EROSION BARRIER 



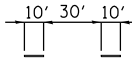
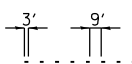
CONTINUE ACROSS
SHADE-LOHMANN BRIDGE

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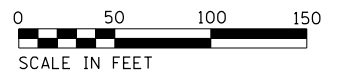
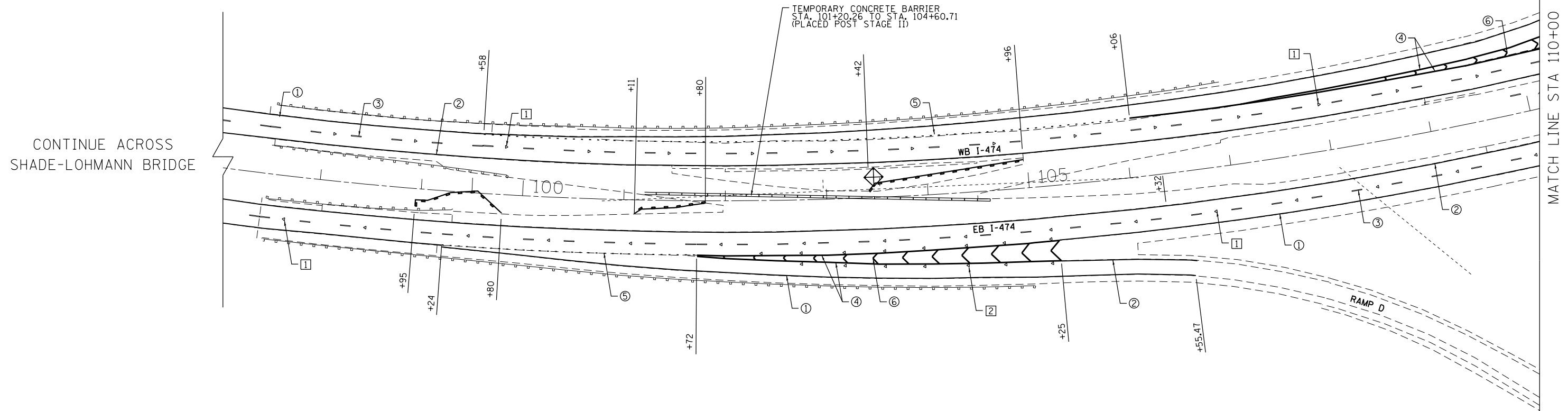
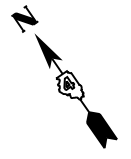
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	PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -		474	[(72, 90)5BJI-3	PEO-TAZ	93	34			
PLOT DATE = 7/25/2016	DATE - 07-22-16	REVISED -		SCALE:	SHEET NO. 3 OF 6 SHEETS	STA. 445+00 TO STA. 63+00	ILLINOIS FED. AID PROJECT					

PAVEMENT MARKING LEGEND

- ① 4" SOLID WHITE
- ② 4" SOLID YELLOW
- ③ 6" SKIP DASH WHITE 
- ④ 8" SOLID WHITE
- ⑤ 8" SKIP DASH WHITE 
- ⑥ 12" SOLID WHITE
- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS ◀
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS ◀

TEMPORARY EROSION CONTROL LEGEND

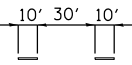
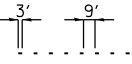
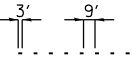
- INLET AND PIPE PROTECTION 
- PERIMETER EROSION BARRIER 

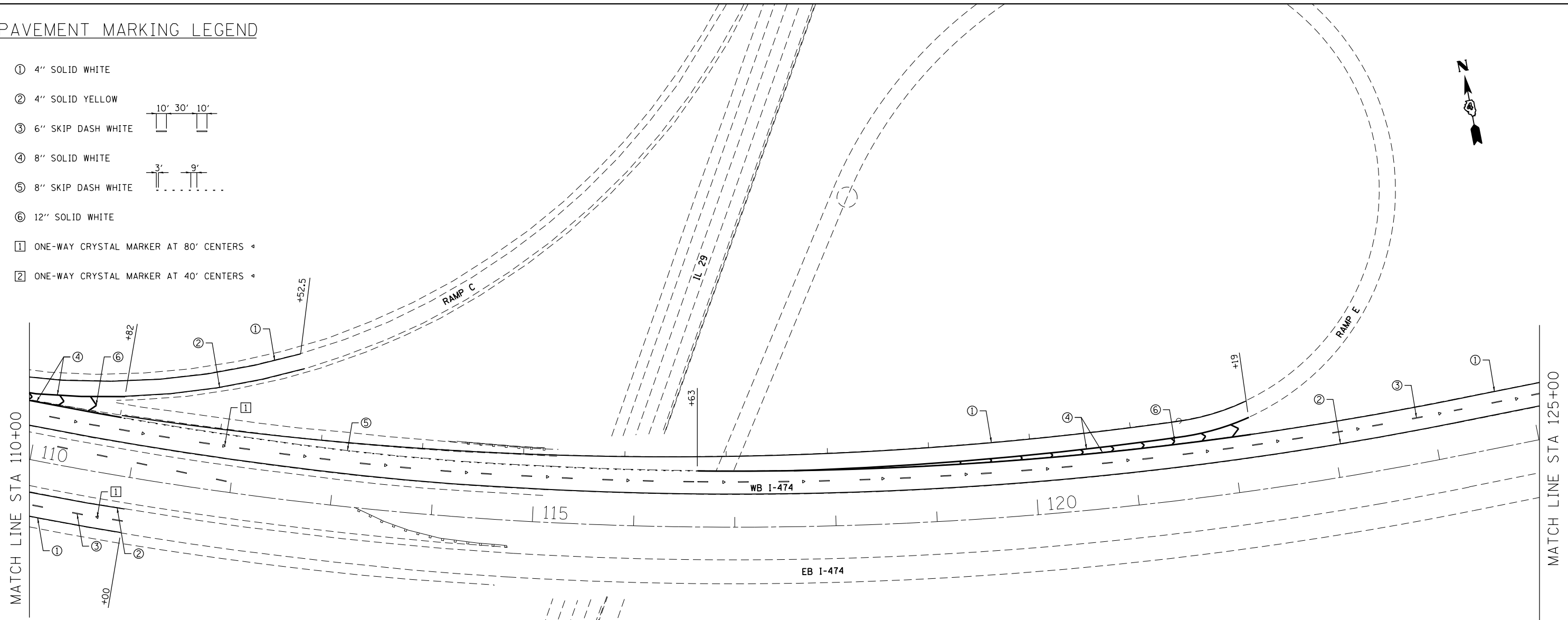


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	PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -			SCALE:	SHEET NO. 4 OF 6 SHEETS	STA. 97+00 TO STA. 110+00	CONTRACT NO. 68B00	
	PLOT DATE = 7/25/2016	DATE - 07-22-16	REVISED -							

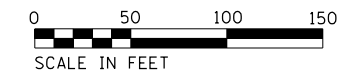
PAVEMENT MARKING LEGEND

- ① 4" SOLID WHITE
- ② 4" SOLID YELLOW
- ③ 6" SKIP DASH WHITE 
- ④ 8" SOLID WHITE 
- ⑤ 8" SKIP DASH WHITE 
- ⑥ 12" SOLID WHITE
- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS ◀
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS ◀



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION 
- PERIMETER EROSION BARRIER 



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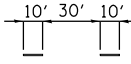
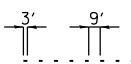
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DRAWN - RSB	REVISIONS -	
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PLOT DATE = 7/25/2016	DATE - 07-22-16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PAVEMENT MARKING AND EROSION CONTROL DETAILS
SCALE: SHEET NO. 5 OF 6 SHEETS STA. 110+00 TO STA. 125+00

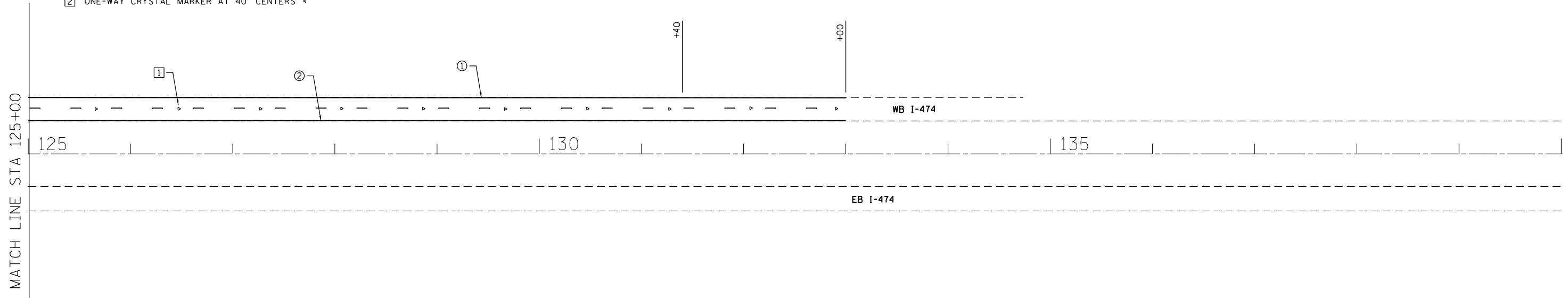
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(172, 90)5BJI-3	PEO-TAZ	93	36
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING LEGEND

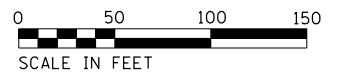
- ① 4" SOLID WHITE
- ② 4" SOLID YELLOW
- ③ 6" SKIP DASH WHITE 
- ④ 8" SOLID WHITE
- ⑤ 8" SKIP DASH WHITE 
- ⑥ 12" SOLID WHITE
- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS ◀
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS ◀

TEMPORARY EROSION CONTROL LEGEND

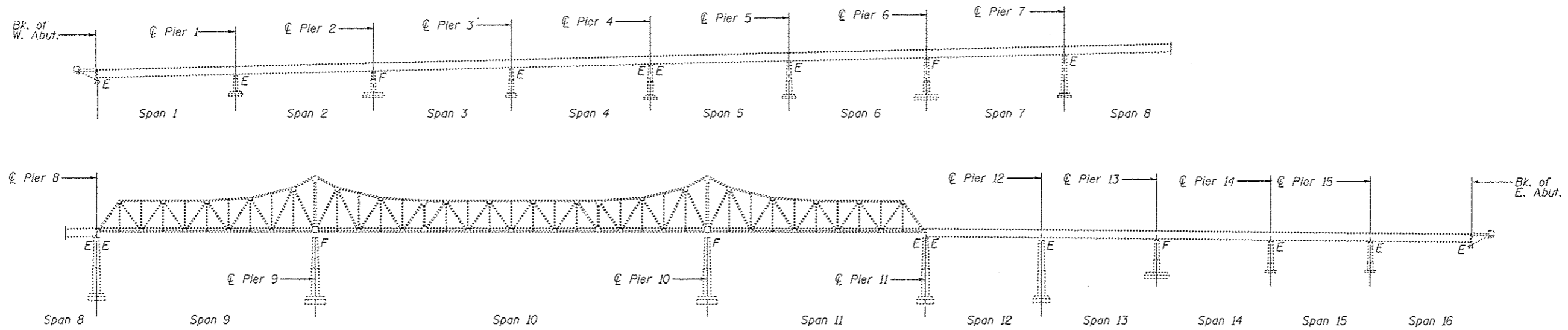
- INLET AND PIPE PROTECTION 
- PERIMETER EROSION BARRIER 



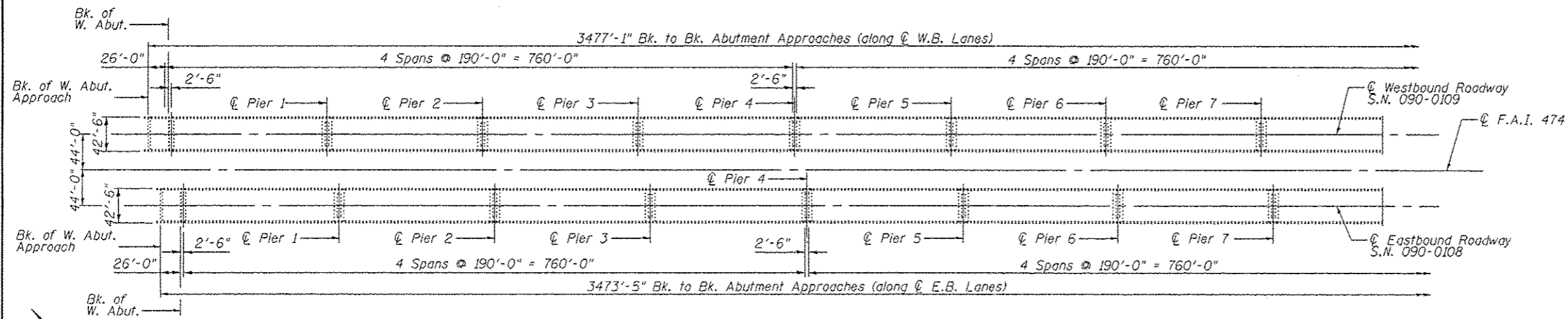
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JACOBS	USER NAME = sfrredd1	DESIGNED - RSB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND EROSION CONTROL DETAILS	F.A.I. RTE. 474	SECTION [(72, 90)5B]I-3	COUNTY PEO-TAZ	TOTAL SHEETS 93	SHEET NO. 37
	PLOT SCALE = 100.0000' / in.	CHECKED - CEA	REVISED -			CONTRACT NO. 68B00				
PLOT DATE = 7/25/2016	DATE - 07-22-16	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE:		SHEET NO. 6 OF 6 SHEETS				STA. 125+00 TO STA. 140+00				



ELEVATION



DESIGN STRESSES

NEW CONSTRUCTION
 $f'_c = 3,500$ psi (Cast in Place Concrete)
 $f_y = 60,000$ psi (Reinforcing Steel)
 $f_y = 36,000$ psi unless otherwise noted (Structural Steel) (M270, Gr. 36)

LOADING HS20 & ALT.

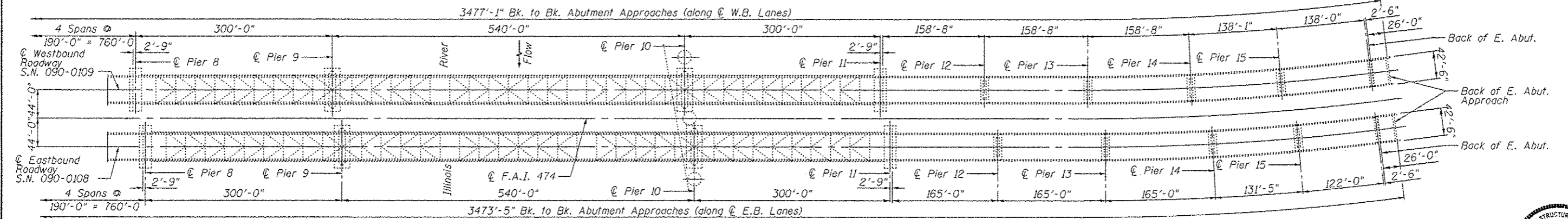
(Original Construction)

DESIGN SPECIFICATIONS

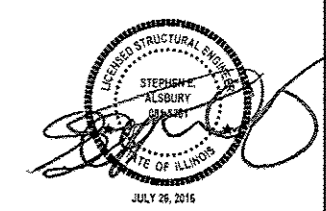
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

APPROVED
 For Structural Adequacy Only

Steph E. Alsbury
 Engineer of Bridges & Structures



PLAN



FILE NAME = J:\2014\6035\Cadd\Design\Bridges Repair Plans\090-0108-68800-001-CPE.dgn

ABNA
 DESIGN FIRM REG. 184.002117
 4140 Lindell Boulevard
 St. Louis, MO 63104
 314-454-0222

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

GENERAL PLAN AND ELEVATION
S.N. 090-0108 & 090-0109

SHEET NO. 1 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72.905B)I-3	PEORIA/TAZEWELL	93	38
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

EXPIRES 11/30/2016

GENERAL NOTES

Fasteners shall be 7/8" φ high strength bolts in 1 5/16" φ holes
 Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
 Bolts 7/8 in. φ, holes 1 5/16 in. φ unless otherwise noted.

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

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

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 the scope
 of work, however, the Contractor will be paid for the quantity actually
 furnished at the unit price bid for the work.

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

The Contractor shall use low pressure water and solvent cleaning with
 power tool cleaning Modified SP3. All floor beams, stringers, brackets,
 truss members, bracing and all other steel members for the entire bridge,
 spans 1 thru 16 of both structures. Paint with System 2 as required by
 the special provision "Cleaning and Painting Existing Steel Structures".

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".

The Contractor shall remove and replace existing bolts and nuts in the
 truss satisfying the requirements for corroded bolts and nuts as stated
 in the special provision BOLT REPLACEMENT. Contractor shall allow for
 250 bolt replacements over and above those shown in the plans, the
 location of which shall be determined by the Contractor to conform with
 the special provision and/or as determined by the Engineer.

The Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be
 used for shop and field painting of new structural steel except where
 otherwise noted. The color of the final finish coat for all interior steel
 surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish
 coat for the exterior and bottom flange of the fascia beams shall be
 Blue, Munsell No. 10B 3/6.

Work shown in these plans shall be accomplished using structure
 crossovers. See Traffic Control Staging Sections for staging layout.

The Contractor shall obtain a construction permit from the Illinois
 Department of Natural Resources (IDNR) Office of Water Resources
 for any temporary construction activity placed in the water except
 cofferdams. This shall include the placement of material for run-arounds,
 causeways, ect. Any permit application by the Contractor shall refer
 to the IDNR 3704 Floodway Construction permit number allowing
 permanent construction as shown in the contract plans.

Cost of removal and re-installation of all members necessary to complete
 the work as detailed on the plans and as specified in the Special Provisions
 shall be included with Structural Steel Repair.

ID No. references indicate the deficiency item number listed in the 2015
 NBIS inspection report.

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Cleaning and Painting Steel Bridge No. 1	LSum	1		1
Cleaning and Painting Steel Bridge No. 2	LSum	1		1
Bolt Replacement	Each	5372		5372
Structural Steel Repair	Pound	11,480		11,480
Containment and Disposal of Lead Paint Cleaning Residues No. 1	LSum	1		1
Containment and Disposal of Lead Paint Cleaning Residues No. 2	LSum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.	3979		3979
Holes Drilled	Each	336		336
Removal and Disposal of Unsuitable Materials	Cu. Yd.		2200	2200
Stone Dumped Riprap Class A6	Sq. Yd.		2740	2740
Geotechnical Fabric for Ground Stabilization	Sq. Yd.		1645	1645
Stabilization Fabric	Sq. Yd.		2150	2150
Bedding Material, Special	Cu. Yd.		55	55

CURRENT RATINGS ON FILE FOR EXISTING STRUCTURES

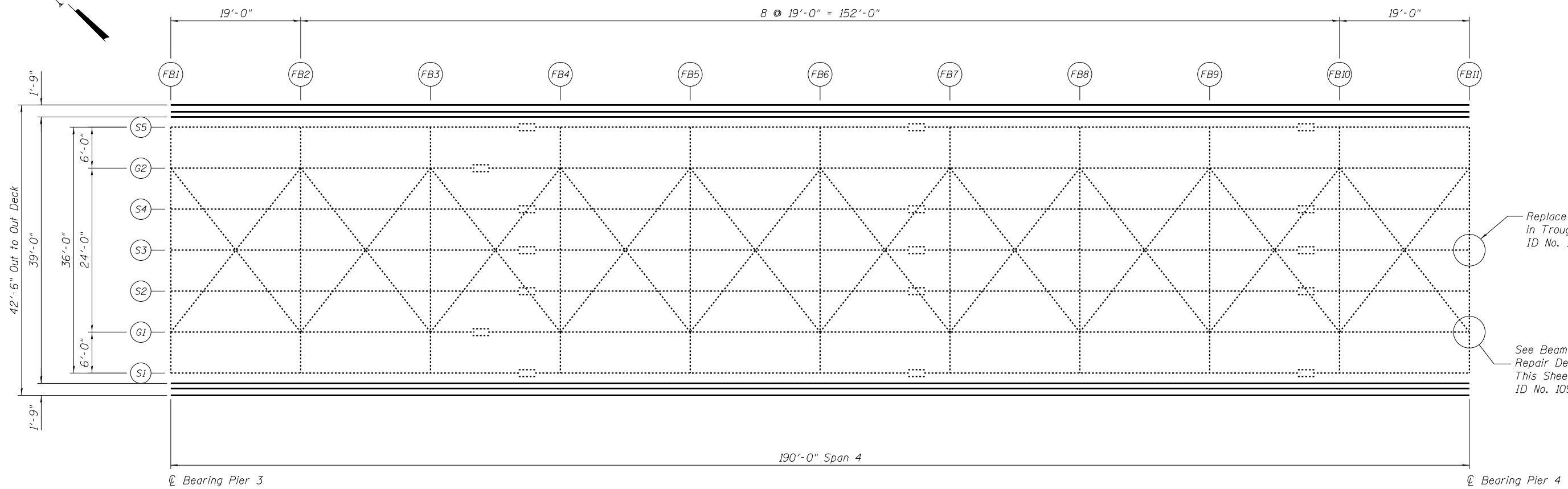
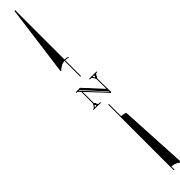
Inventory: HS 18.2
 Operating: HS 30.4
 Live Load Restrictions: None

INDEX OF SHEETS

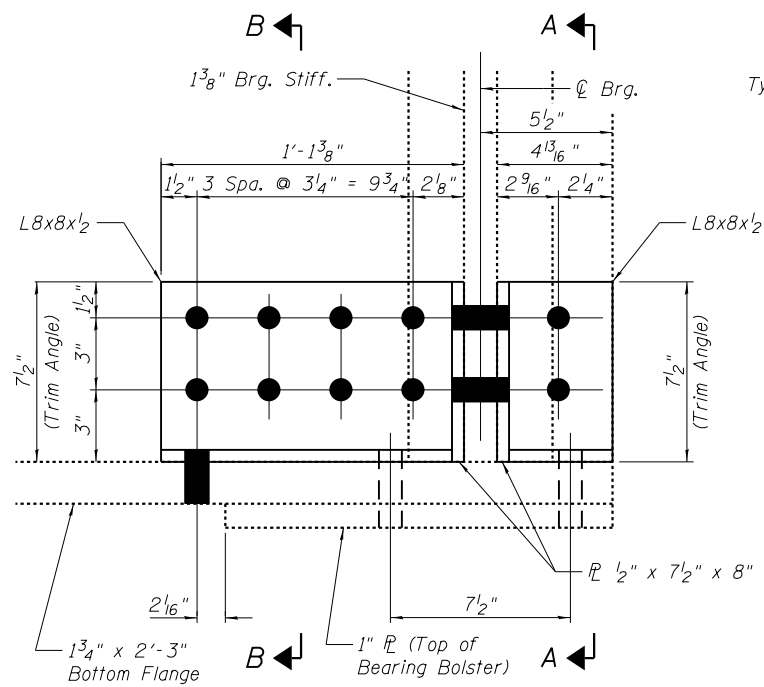
1. General Plan and Elevation
2. General Notes, Bill of Material & Index of Sheets
3. General Plan and Repair Location - Eastbound Span 4
4. General Plan and Repair Location - Eastbound Spans 9, 10 & 11
5. General Plan and Repair Location - Eastbound Span 12
6. General Plan and Repair Location - Eastbound Span 14
7. General Plan and Repair Location - Eastbound Span 16
8. Structural Steel Repair Details - Eastbound
9. General Plan and Repair Location - Westbound Spans 4 & 5
10. General Plan and Repair Location - Westbound Spans 6 & 8
11. General Plan and Repair Location - Westbound Spans 9, 10 & 11
12. General Plan and Repair Location - Westbound Span 16
13. Structural Steel Repair Details - Westbound
14. Structural Steel Repair Details - Westbound
15. Miscellaneous Structural Steel Repairs - Eastbound and Westbound
16. Pier 4 Substructure Repair, EB
17. Pier 8 Substructure Repair, EB
18. Pier 9 Substructure Repair, EB
19. Pier 10 Substructure Repair, EB
20. Pier 11 Substructure Repair, EB
21. West Abutment & Pier 4 Substructure Repair, WB
22. Pier 8 & 9 Substructure Repair, WB
23. Pier 10 & 11 Substructure Repair, WB
24. Pier 9 and Pier 10 Scour Mitigation
25. Pier 9 Eastbound Scour Mitigation Cross Sections
26. Pier 9 Westbound Scour Mitigation Cross Sections
27. Pier 10 Eastbound Scour Mitigation Cross Sections
28. Pier 10 Westbound Scour Mitigation Cross Sections

FILE NAME = J:\2014\6035\Cadd\Design\Bridg Repair - Plans\090-0108_0109-68B00-002-M01ES.dgn

ABNA DESIGN FIRM REG. 184.002117	4140 Lindell Boulevard St. Louis, MO 63104 314-454-0222	DESIGNED - SCS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PUBLIC WATERS	GENERAL NOTES, BILL OF MATERIAL & INDEX OF SHEETS S.N. 090-0108 & 090-0109	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - SEA	REVISED			474	(172,90)581-3	PEORIA/TAZEWELL	93	39
		DRAWN - SCS	REVISED	SHEET NO. 2 OF 28 SHEETS		CONTRACT NO. 68B00				
		CHECKED - SEA	REVISED			ILLINOIS FED. AID PROJECT				

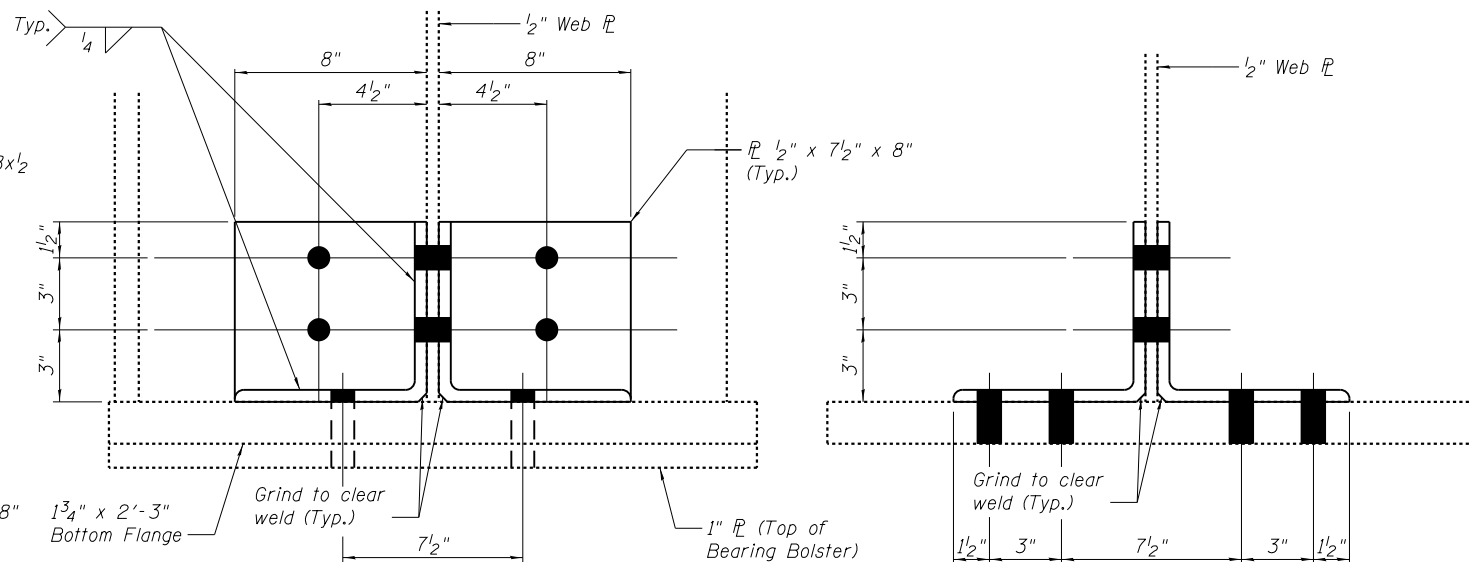


FRAMING PLAN
Eastbound Lanes



END ELEVATION

Note:
Use existing holes through top bearing bolster plate and bottom girder flange as a template to field drill holes in 8x8x1/2 angles.



SECTION A-A

SECTION B-B

BEAM END REPAIR DETAIL
ID No. 109

- Indicates New Bolt Hole
- () Indicates Existing Bolt Hole

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	135
Bolt Replacement	Each	1

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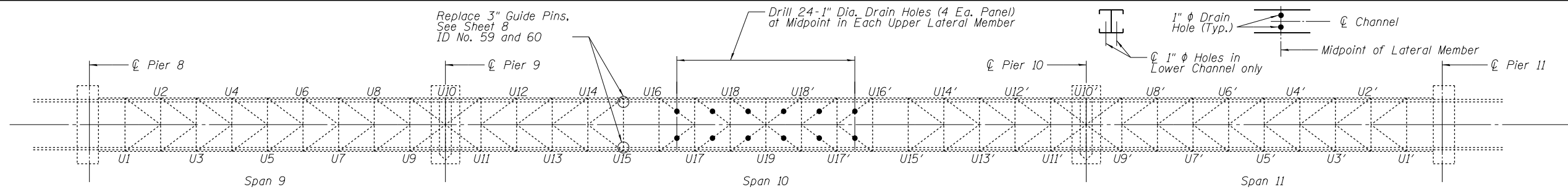
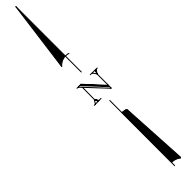
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CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

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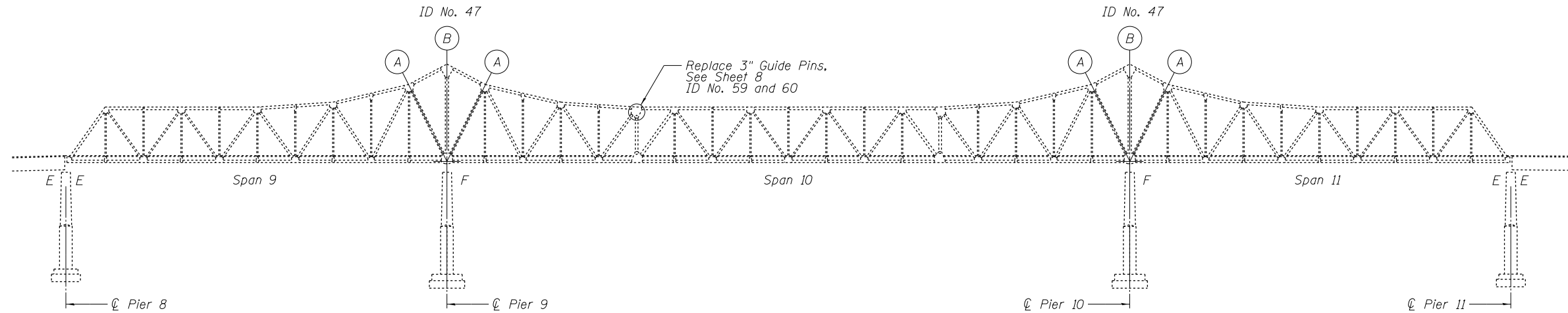
GENERAL PLAN & REPAIR LOCATION
EASTBOUND SPAN 4 S.N. 090-0108

SHEET NO. 3 OF 28 SHEETS

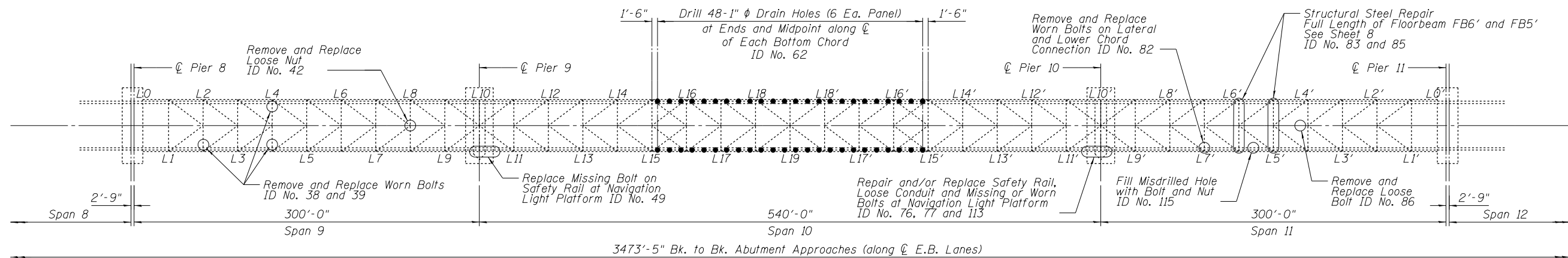
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/TAZEWELL	93	40
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



PLAN UPPER CHORDS AND LATERALS

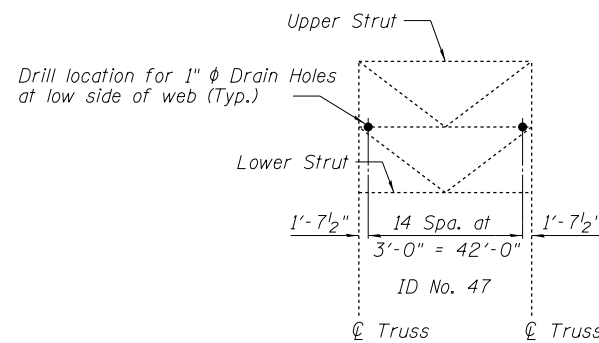


ELEVATION

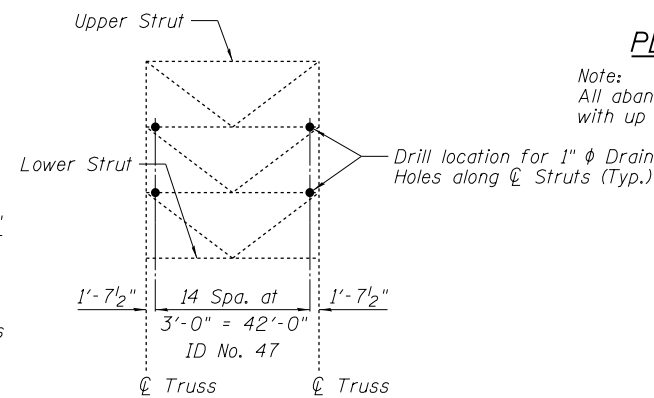


PLAN LOWER CHORDS AND LATERALS

Note:
All abandoned bolt holes at or next to floor drain locations shall be filled with up to 7 new 7/8" φ bolts at each of 380 drain locations. ID No. 36



VIEW (A)
L10-U9 & U11
L10'-U9' & U11'



VIEW (B)
L10-U10 & L10'-U10'

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	8250
Bolt Replacement	Each	2684
Holes Drilled	Each	168

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DRAWN - SCS
CHECKED - SEA

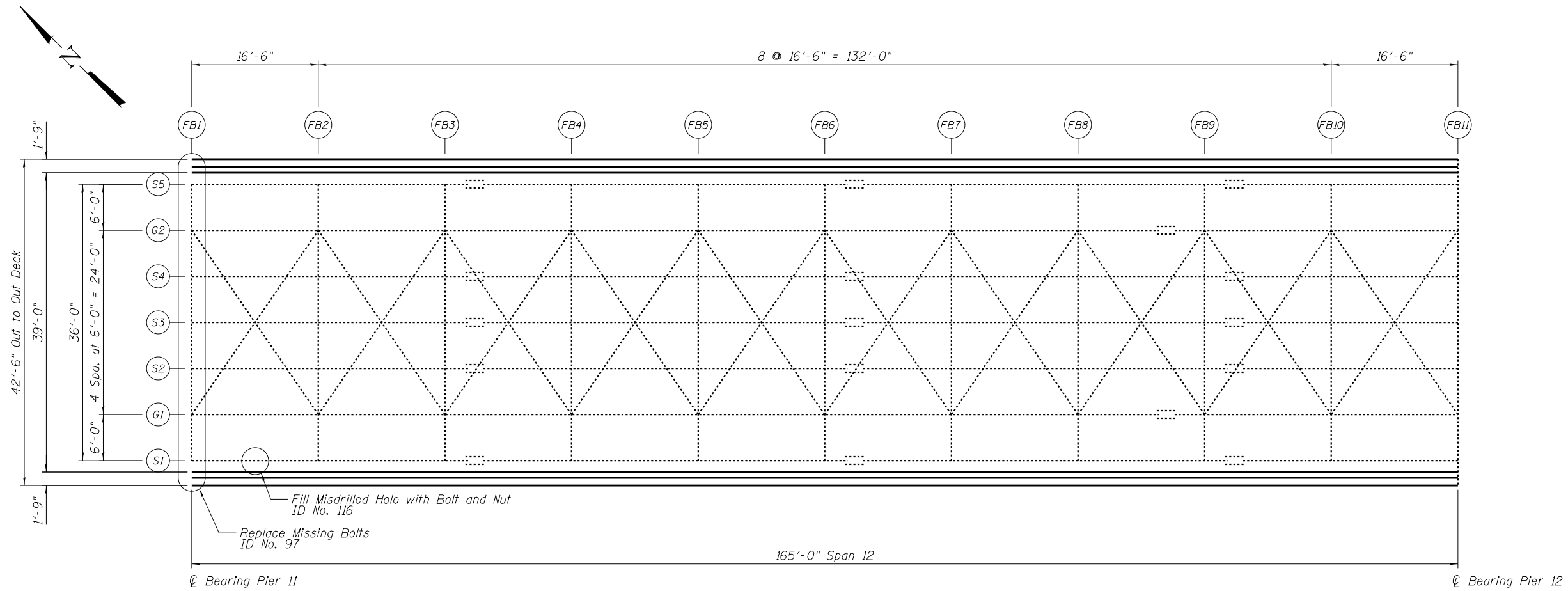
REVISED
REVISED
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

GENERAL PLAN & REPAIR LOCATION
EASTBOUND SPANS 9, 10 & 11 S.N. 090-0108

SHEET NO. 4 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	I(72,90)5B11-3	PEORIA/TAZEWELL	93	41
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN
Eastbound Lanes

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bolt Replacement	Each	18

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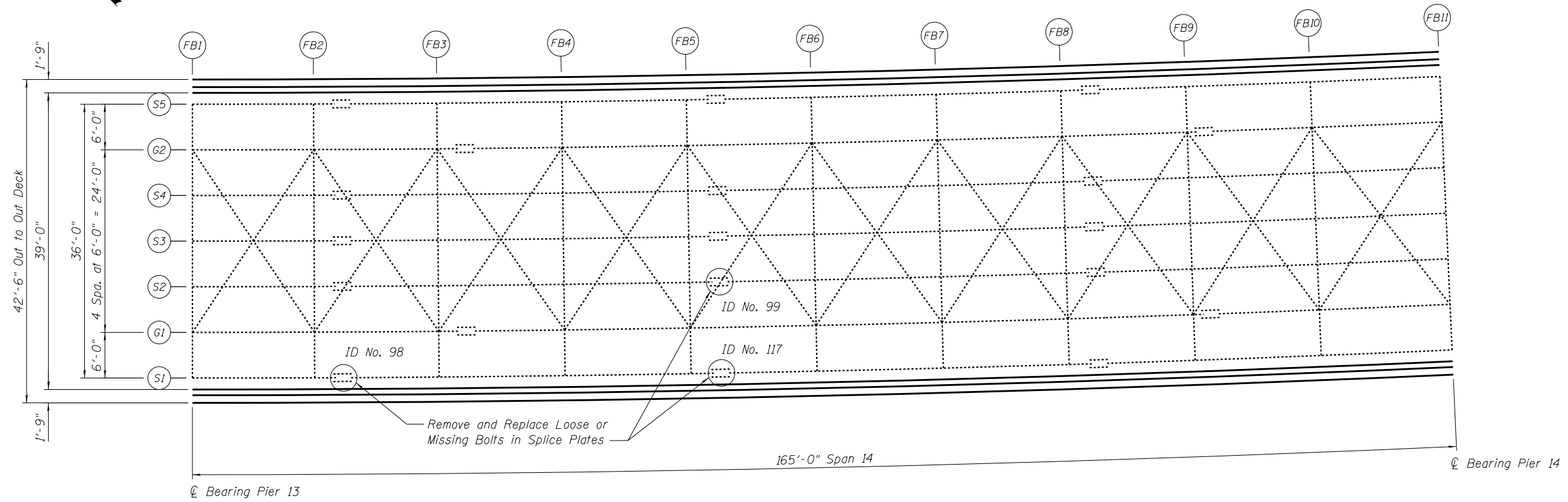
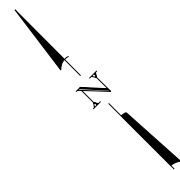
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CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

GENERAL PLAN & REPAIR LOCATION
EASTBOUND SPAN 12 S.N. 090-0108

SHEET NO. 5 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/TAZEWELL	93	42
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN
Eastbound Lanes

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bolt Replacement	Each	3

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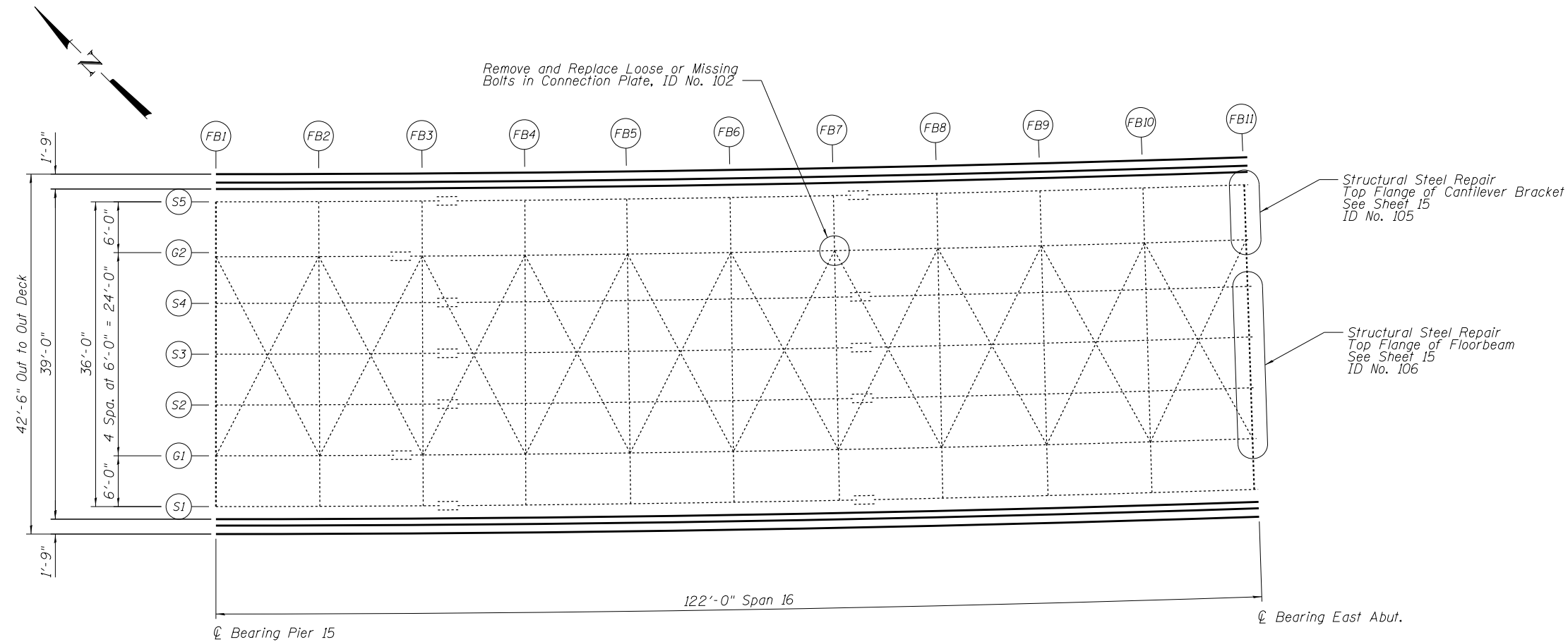
4140 Lindell Boulevard
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CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
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PUBLIC WATERS

GENERAL PLAN & REPAIR LOCATION
EASTBOUND SPAN 14 S.N. 090-0108

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/TAZEWELL	93	43
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN
Eastbound Lanes

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	165
Bolt Replacement	Each	1

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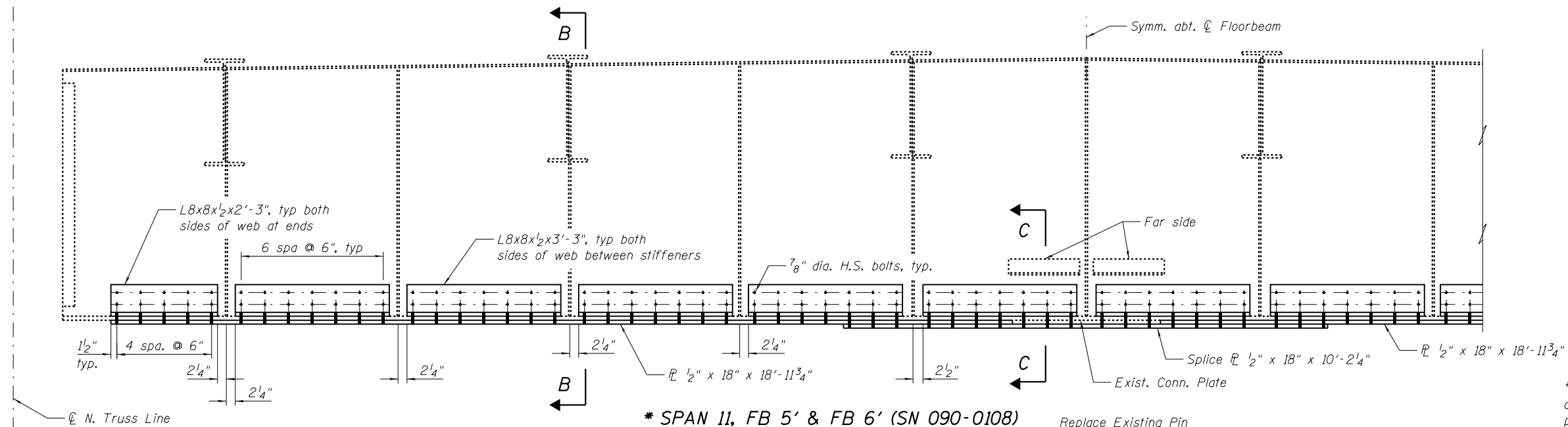
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

GENERAL PLAN & REPAIR LOCATION
EASTBOUND SPAN 16 S.N. 090-0108

SHEET NO. 7 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/TAZEWELL	93	44
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

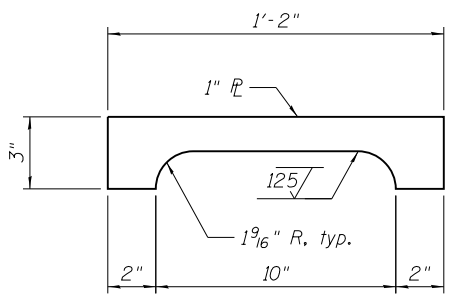
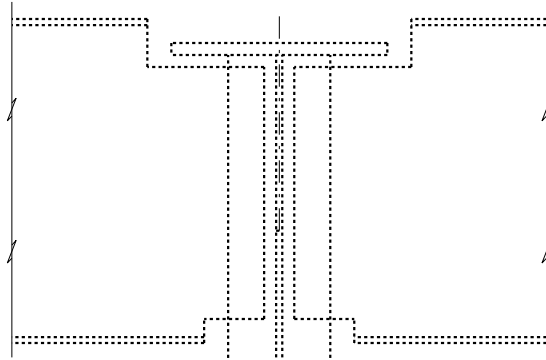
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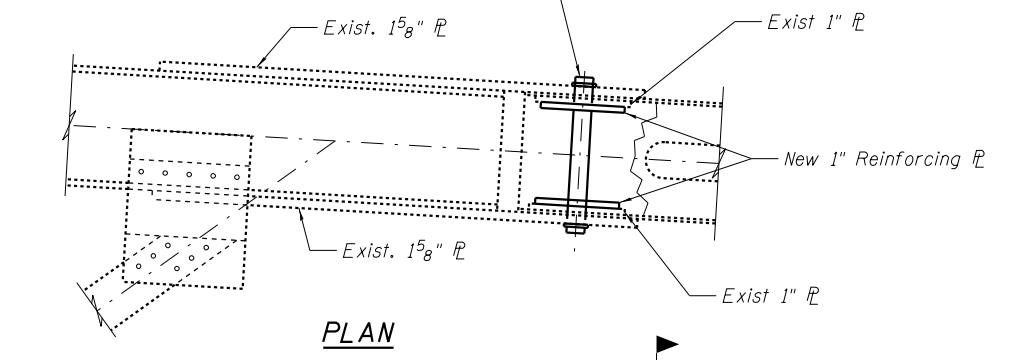
*** SPAN 11, FB 5' & FB 6' (SN 090-0108)**
LOOKING EAST
 ID No. 83 and 85

* Cleaning and Painting shall meet the requirements of Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."

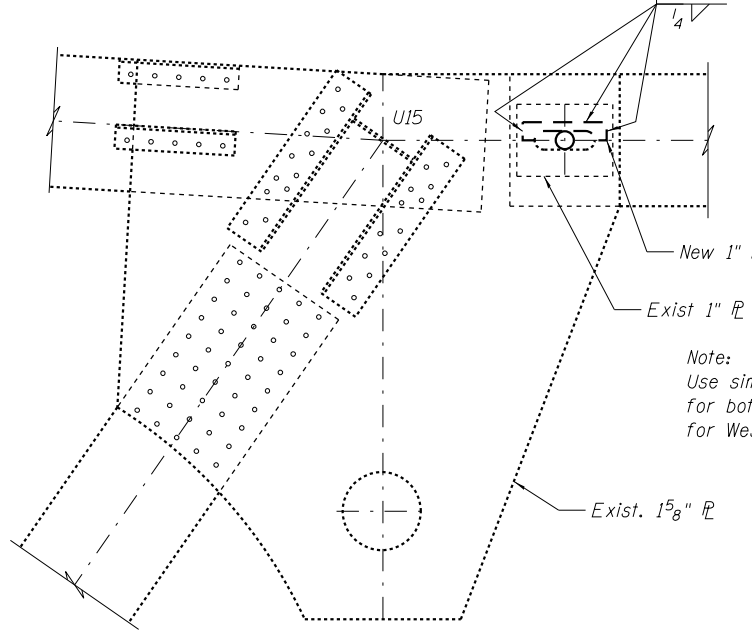
Replace Existing Pin with new 3" Dia. Pin with recessed nuts, Grip = 2 1/4"
 Pin Material: ASTM A668, Class F



1" REINFORCING PLATE
 2 REQUIRED PER LOCATION

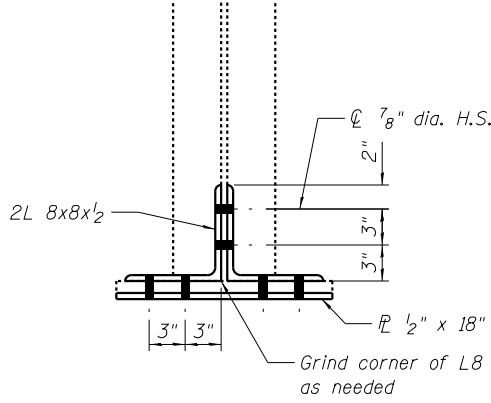


PLAN

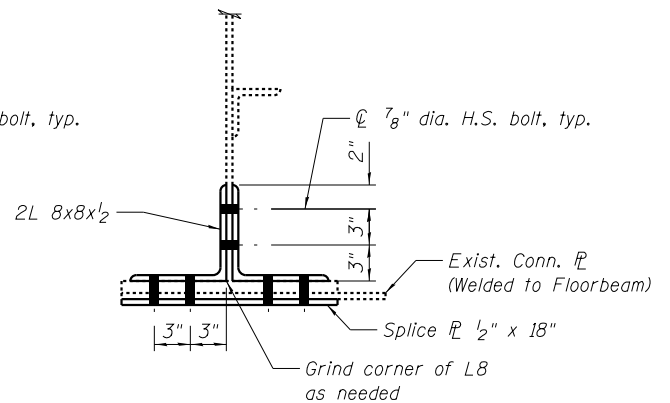


ELEVATION - GUIDE PIN REPLACEMENT
AT U15 NORTH & SOUTH, SPAN 10 (SN 090-0108)

SN 090-0108 ID No. 59 and 60
 SN 090-0109 ID No. 46, 47, 63 and 64



SECTION B-B



SECTION C-C



DESIGNED - MSM	REVISED
CHECKED - RDN	REVISED
DRAWN - MSM	REVISED
CHECKED - RDN	REVISED

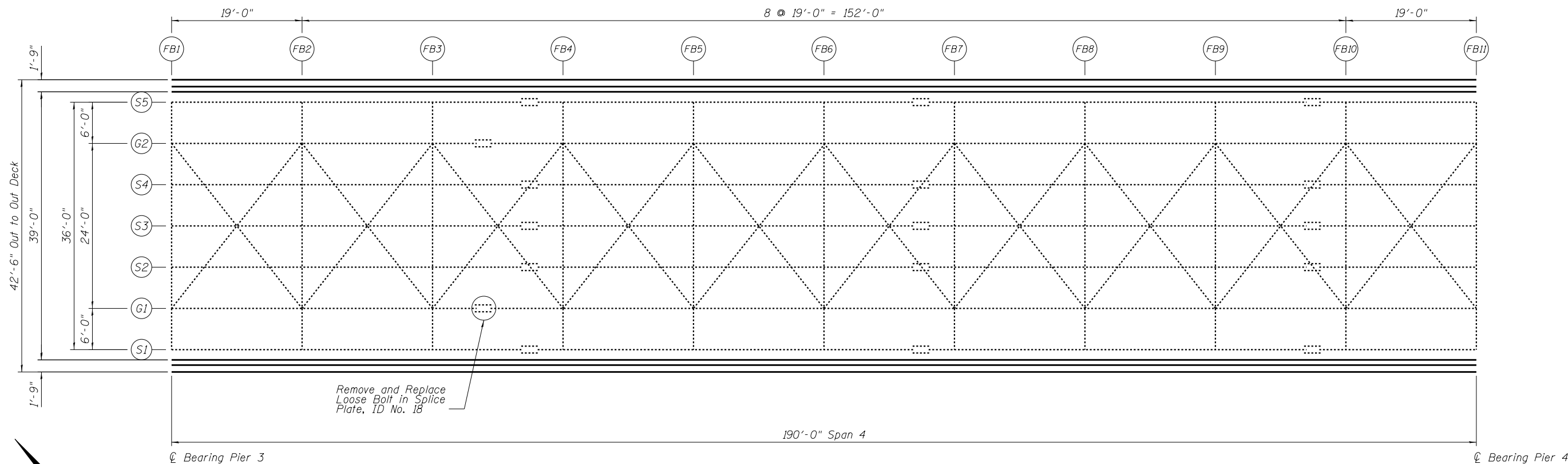
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

STRUCTURAL STEEL REPAIR DETAILS
EASTBOUND STRUCTURE NO. 090-0108

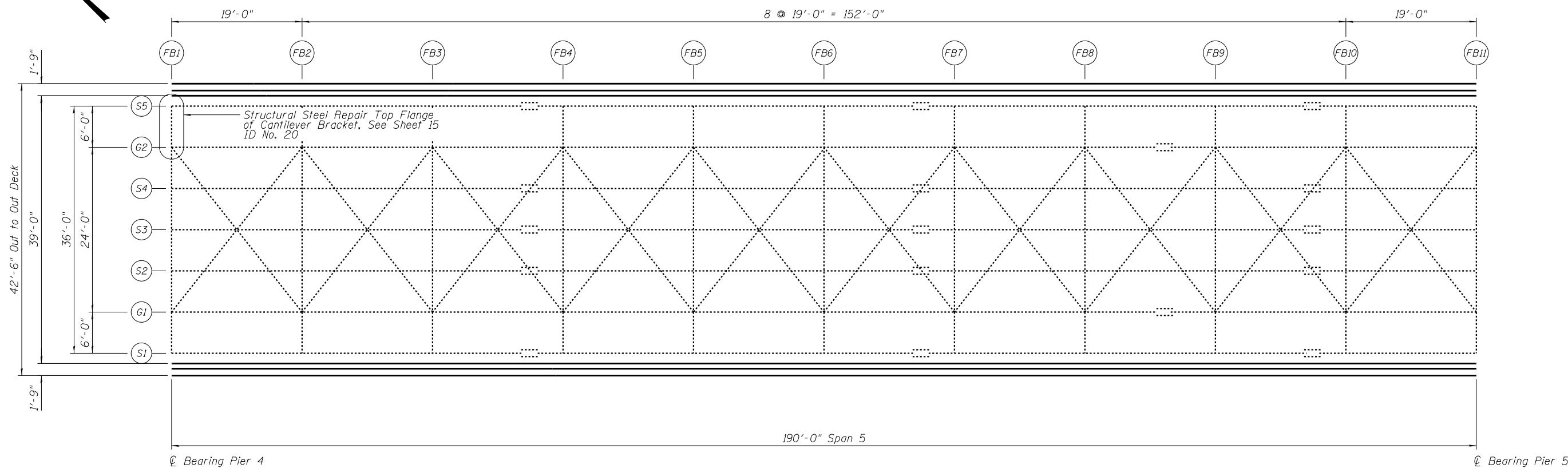
SHEET NO. 8 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/AZEWELL	93	45
CONTRACT NO. 68B00				

ILLINOIS FED. AID PROJECT



FRAMING PLAN - SPAN 4
Westbound Lanes



FRAMING PLAN - SPAN 5
Westbound Lanes

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	170
Bolt Replacement	Each	1

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\090-0109-68B00-009-FF4WSW.dgn



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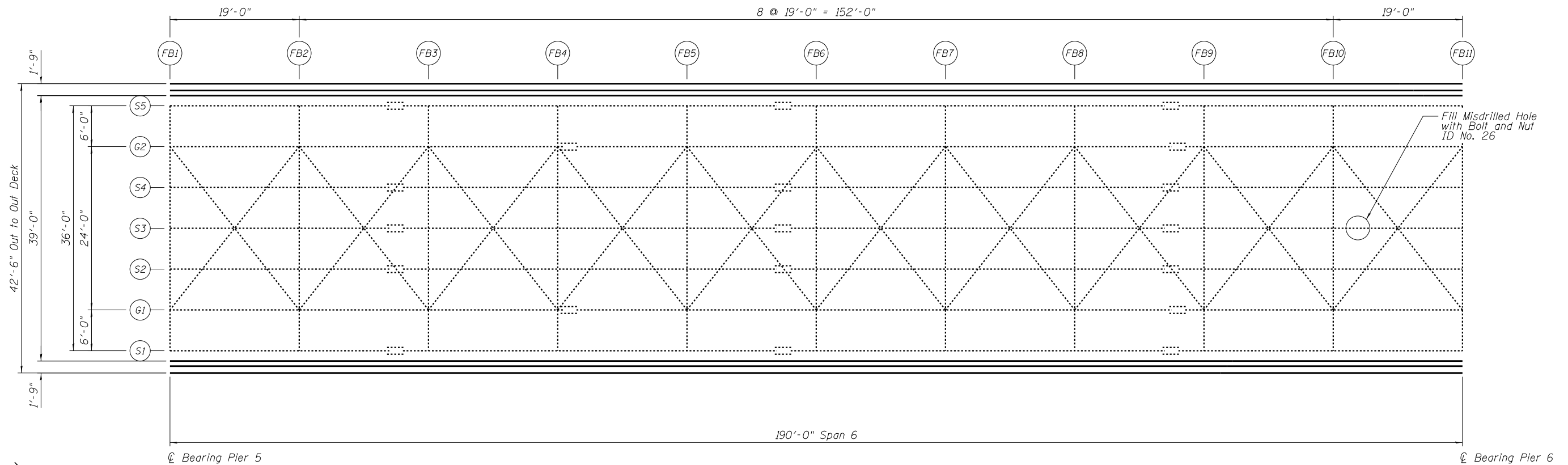
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

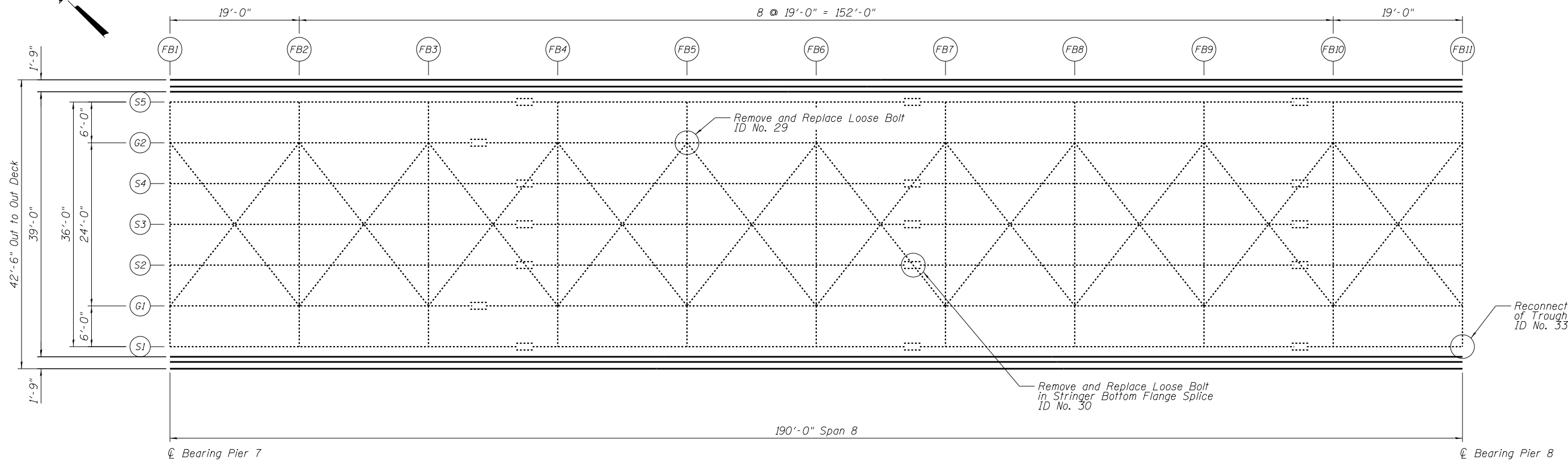
GENERAL PLAN & REPAIR LOCATION
WESTBOUND SPANS 4 & 5 S.N. 090-0109

SHEET NO. 9 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5BII-3	PEORIA/TAZEWELL	93	46
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN - SPAN 6
Westbound Lanes



FRAMING PLAN - SPAN 8
Westbound Lanes

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bolt Replacement	Each	3

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\090-0109-68B00-010-F6F6W8W.dgn



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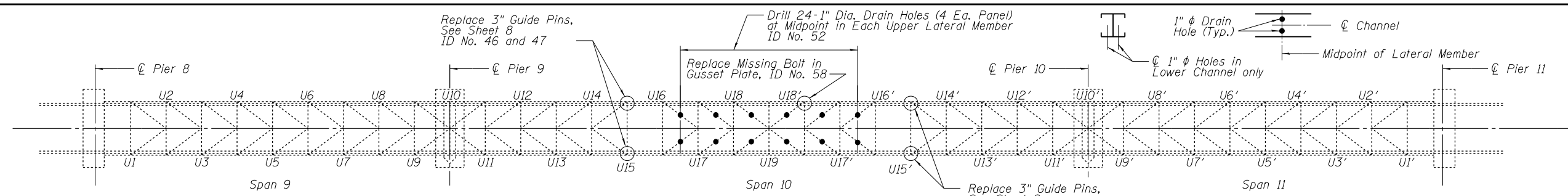
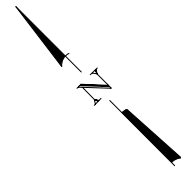
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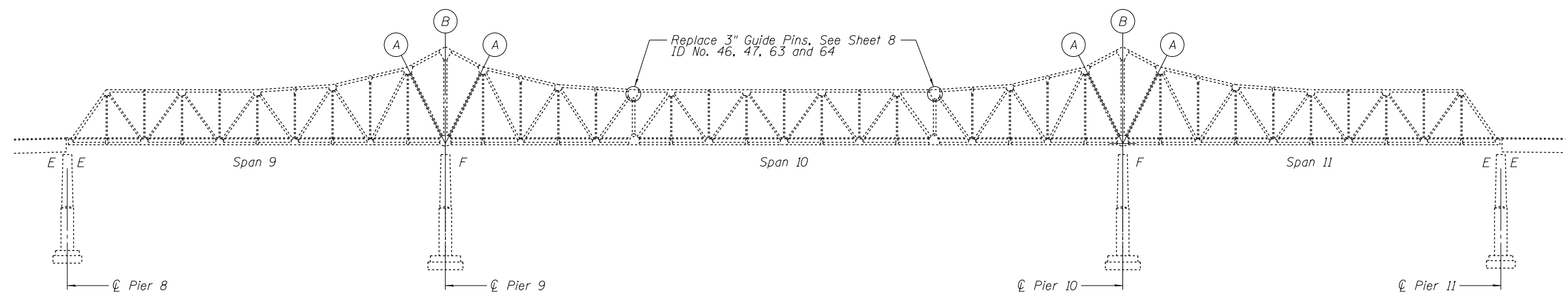
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WESTBOUND SPANS 6 & 8 S.N. 090-0109

SHEET NO. 10 OF 28 SHEETS

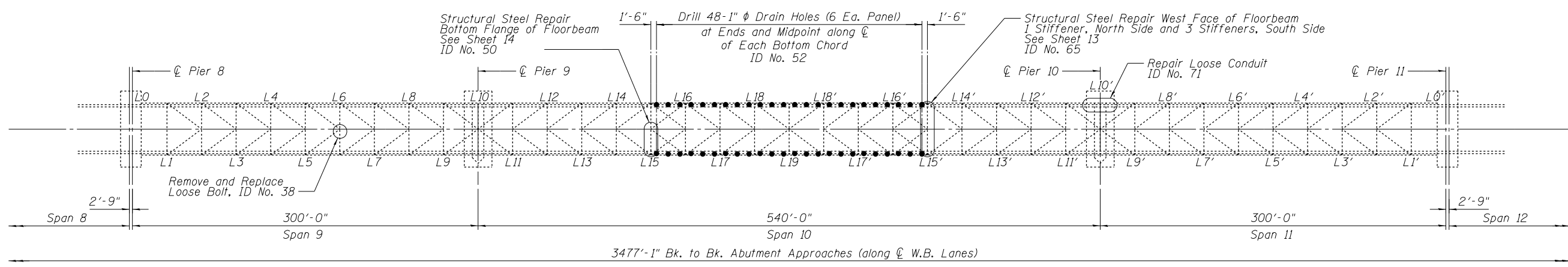
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474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	47
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



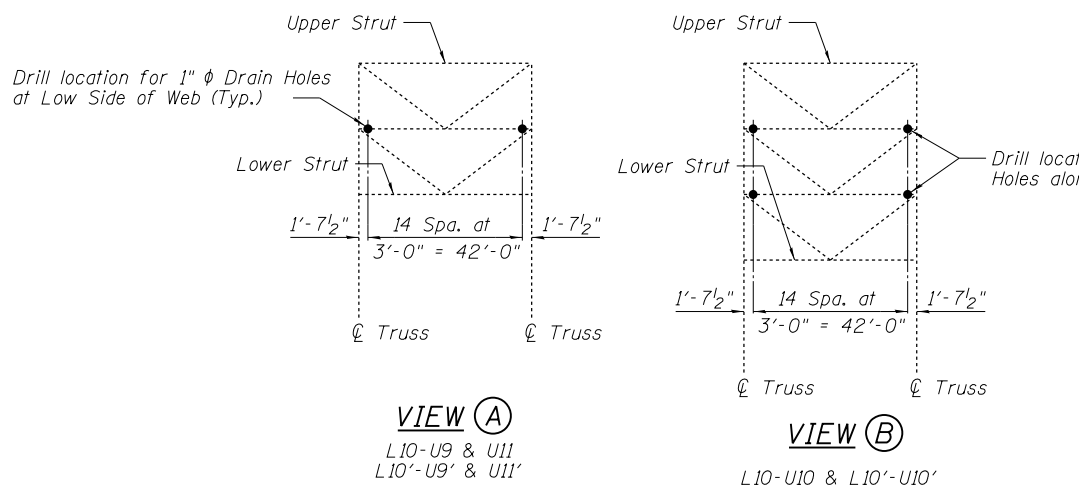
PLAN UPPER CHORDS AND LATERALS



ELEVATION



PLAN LOWER CHORDS AND LATERALS



Note:
All abandoned bolt holes at or next to floor drain locations shall be filled with up to 7 new 7/8" φ bolts at each of 380 drain locations.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	2595
Bolt Replacement	Each	2661
Holes Drilled	Each	168

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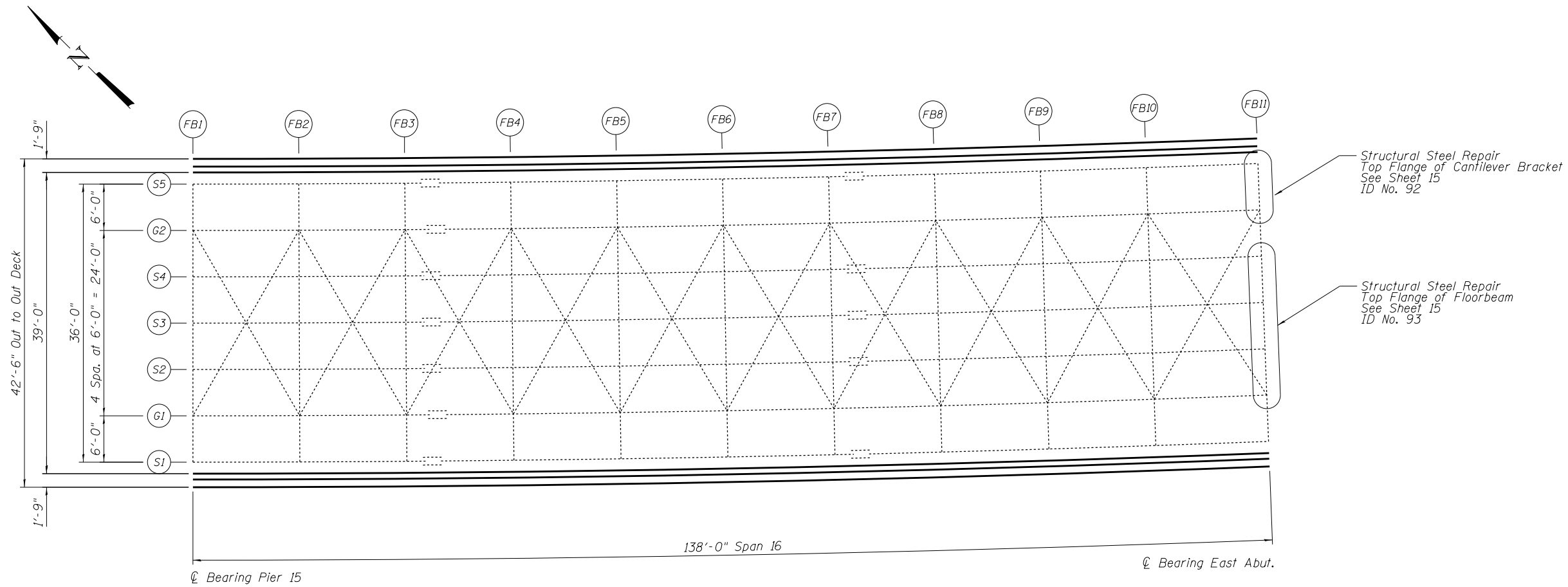
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

**GENERAL PLAN & REPAIR LOCATION
WESTBOUND SPANS 9, 10 & 11 S.N. 090-0109**
SHEET NO. 11 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	I(72,90)5B11-3	PEORIA/TAZEWELL	93	48
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN
Westbound Lanes

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	165

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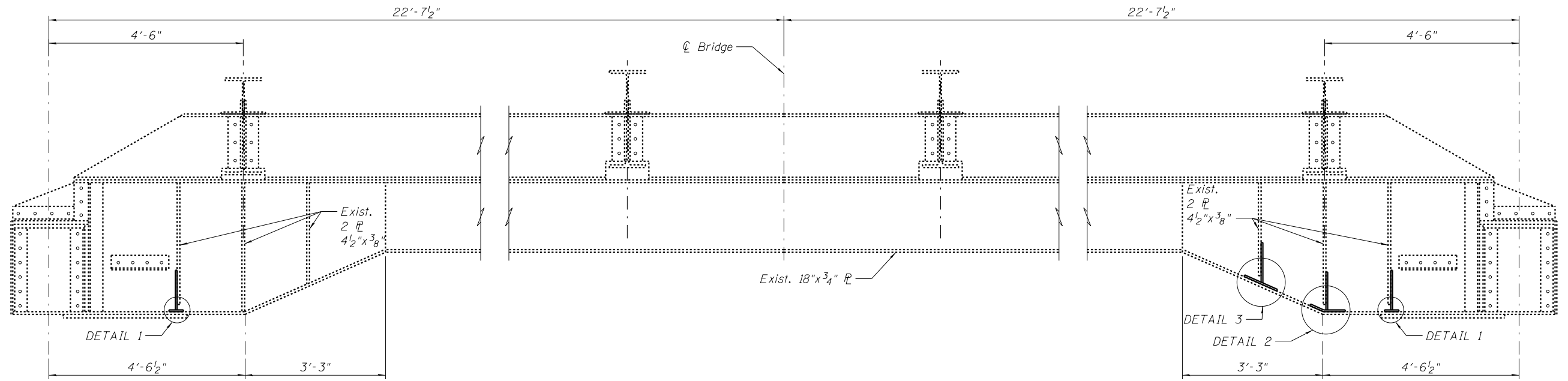
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CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

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DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

GENERAL PLAN & REPAIR LOCATION
WESTBOUND SPAN 16 S.N. 090-0109

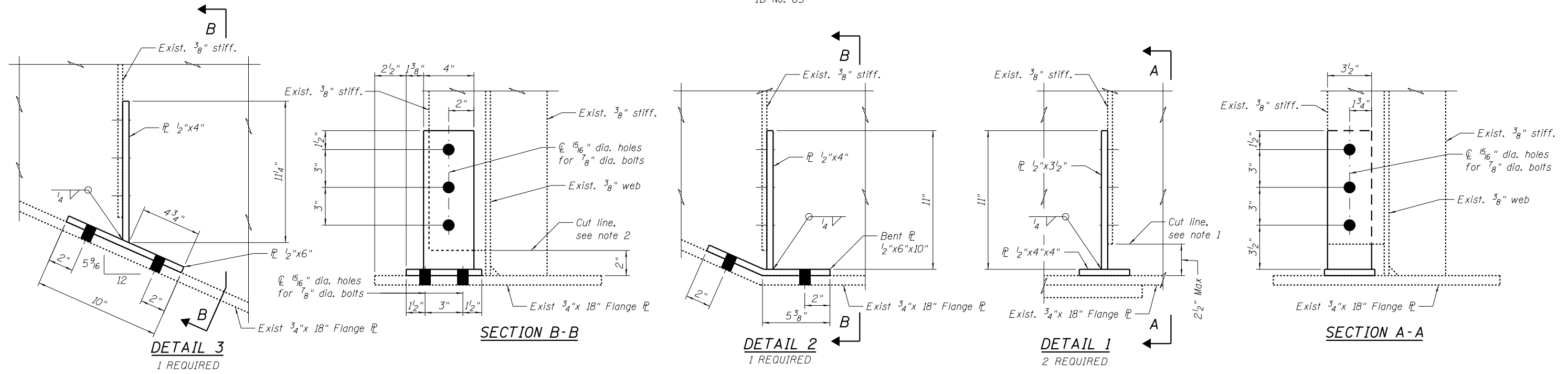
SHEET NO. 12 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/TAZEWELL	93	49
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



STIFFENER REPAIRS AT STRUT OPPOSITE FLOORBEAM L15' - WEST ELEVATION

ID No. 65



NOTES

1. Trim corroded stiffener to a maximum of 2 1/2" above flange plate. Grind top area of bottom flange to insure uniform bearing of 4" square Base Plate. After weldment is positioned, field drill holes in 3/8" stiffener and bolt weldment to stiffener.
2. Trim stiffener to 2" above flange plate. Grind top area of bottom flange to insure uniform bearing of 6"x10" Base Plate. After weldment is positioned, field drill holes in 3/8" stiffener and flange, and bolt weldment to flange and stiffener.

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\090-0109-68B00-013-FBI5.dgn



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CHECKED - RDN	REVISED
DRAWN - MSM	REVISED
CHECKED - RDN	REVISED

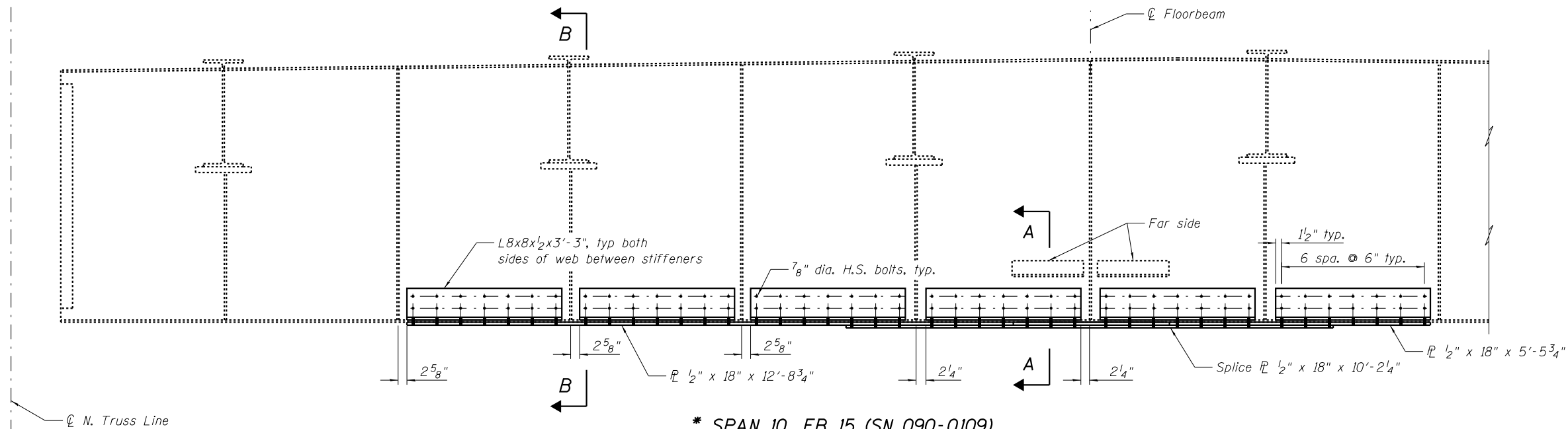
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

**STRUCTURAL STEEL REPAIR DETAILS
WESTBOUND STRUCTURE NO. 090-0109**

SHEET NO. 13 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	50
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\090-0109-68B00-04-FB15.dgn

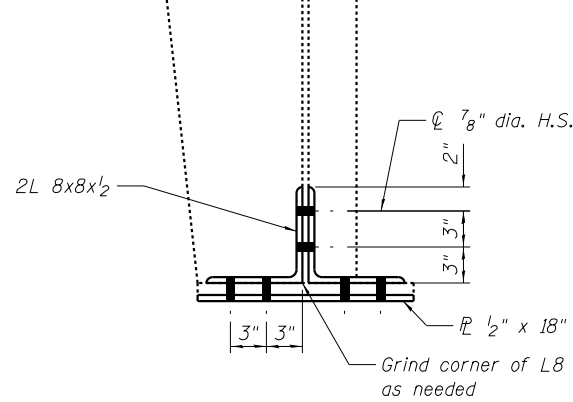
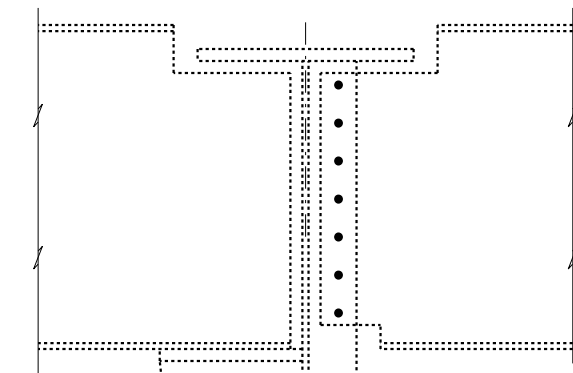


* SPAN 10, FB 15 (SN 090-0109)

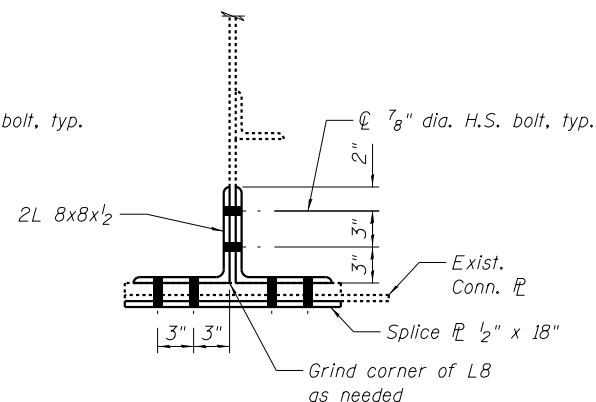
LOOKING EAST

ID No. 50

* Cleaning and Painting shall meet the requirements of Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."



SECTION B-B



SECTION A-A

JACOBS

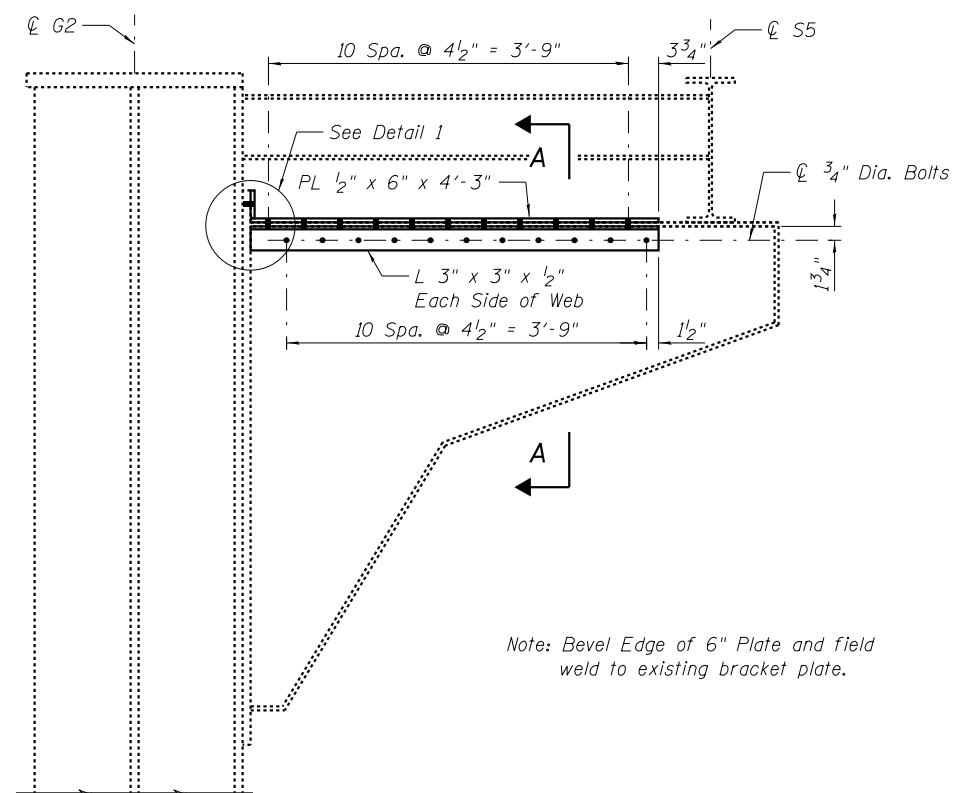
DESIGNED	- MSM	REVISED	
CHECKED	- RDN	REVISED	
DRAWN	- MSM	REVISED	
CHECKED	- RDN	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

STRUCTURAL STEEL REPAIR DETAILS
WESTBOUND STRUCTURE NO. 090-0109

SHEET NO. 14 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	51
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

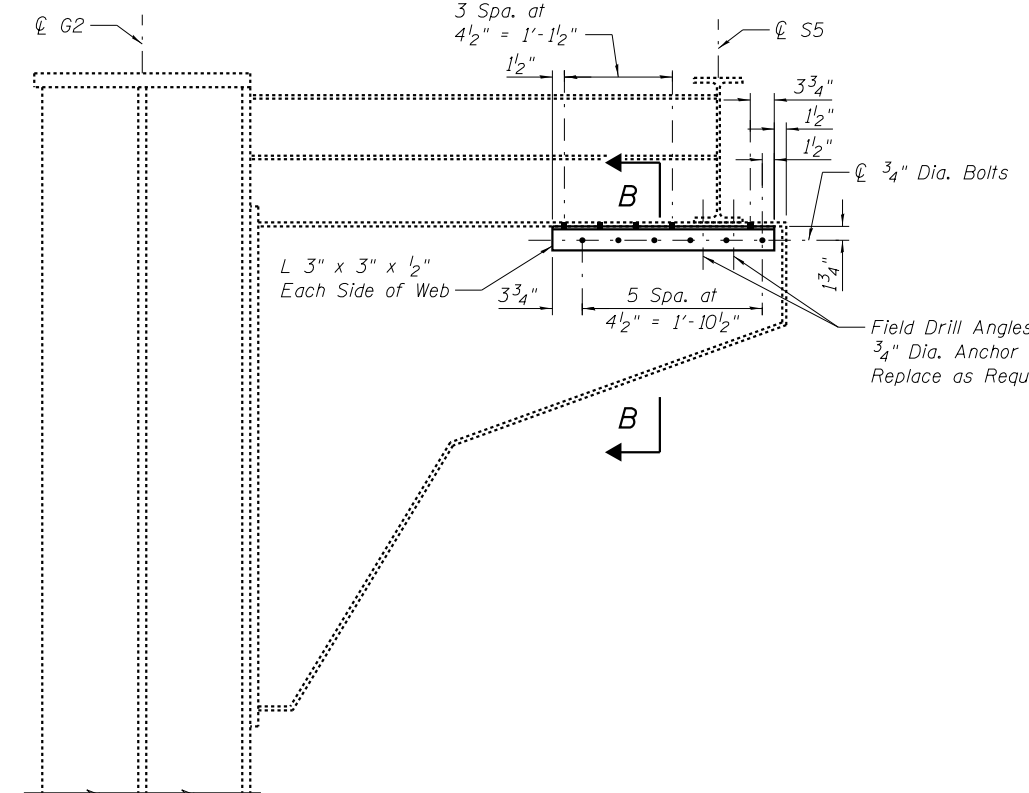


*** CANTILEVER BRACKET REPAIR - NORTH BRACKET OF SPAN 5 AT PIER 4 - EAST ELEVATION**
WEST BOUND BRIDGE S.N. 090-0109

ID No. 20

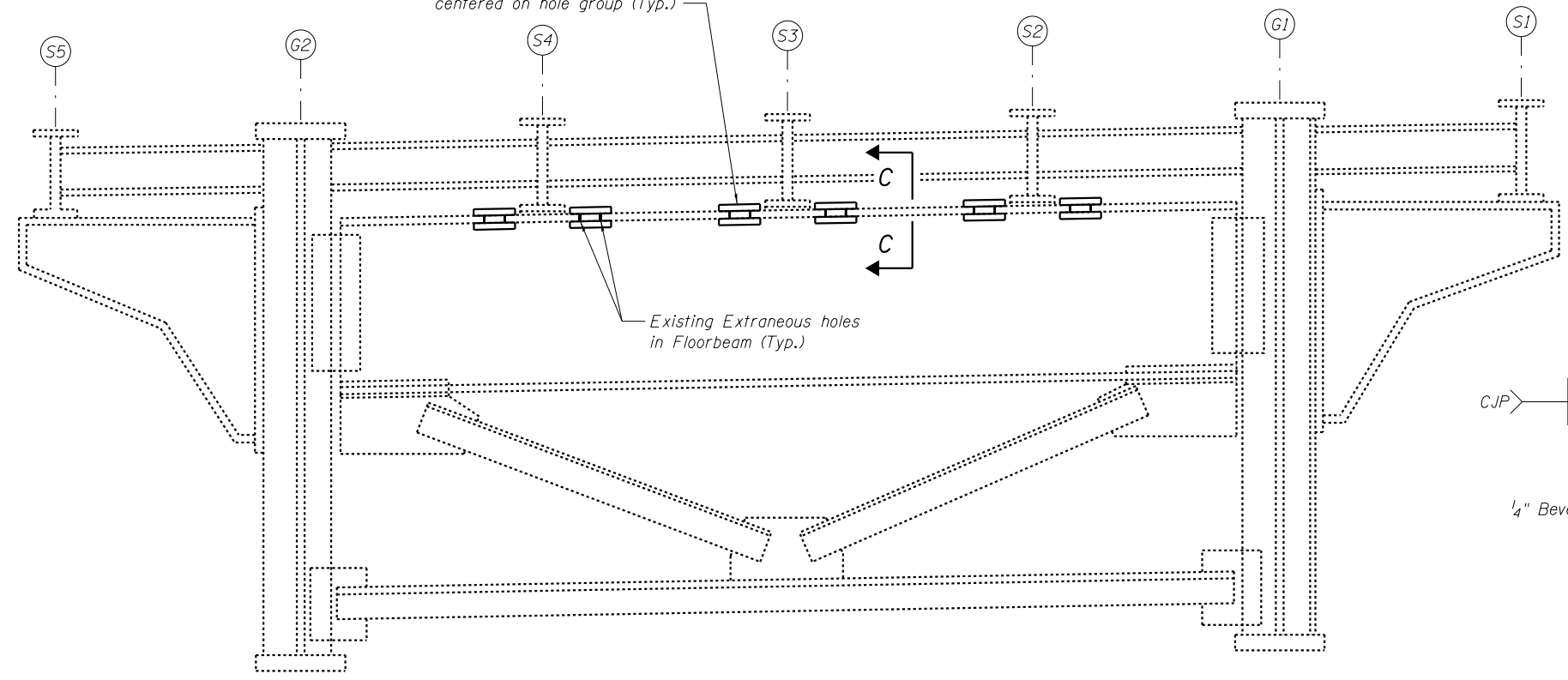
Patch Plate 1/2" x 9" x 0'-10" centered on hole group (Typ.)

Note: Bevel Edge of 6" Plate and field weld to existing bracket plate.



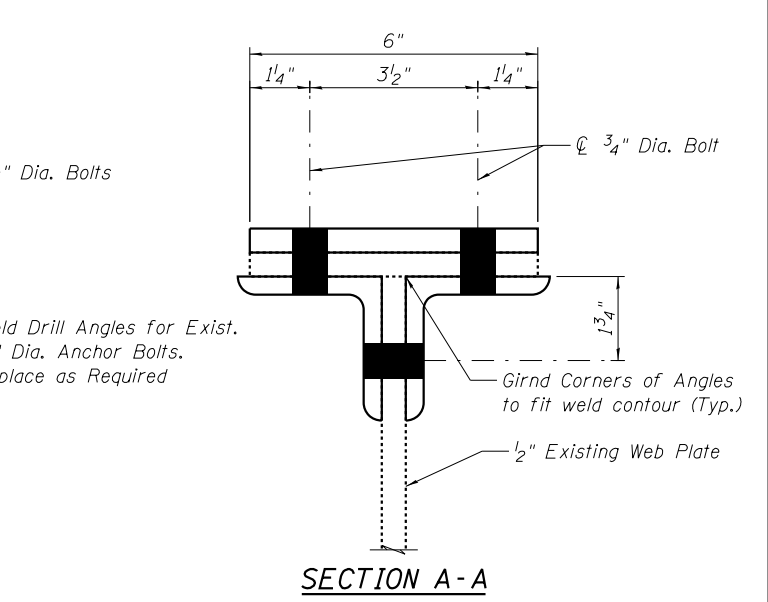
*** CANTILEVER BRACKET REPAIR - NORTH BRACKET OF SPAN 16 END FLOORBEAM AT EAST ABUTMENT - EAST ELEVATION**

ID No. 105 - S.N. 090-0108
 ID No. 92 - S.N. 090-0109

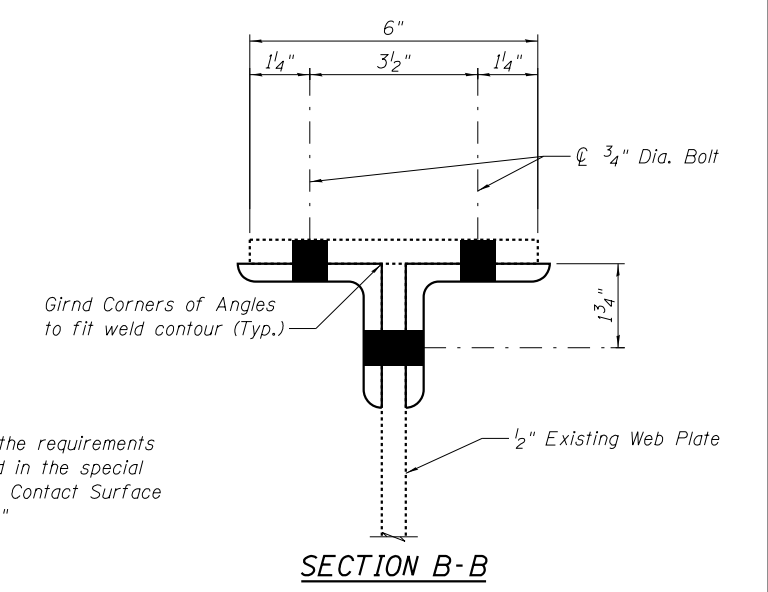


SPAN 16 FLOORBEAM REPAIR AT EAST ABUTMENT

ID No. 106 - S.N. 090-0108
 ID No. 93 - S.N. 090-0109

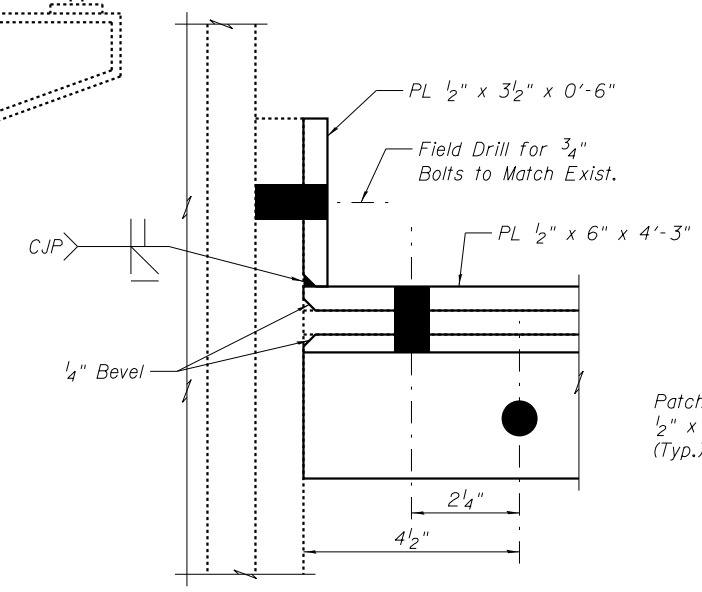


SECTION A-A

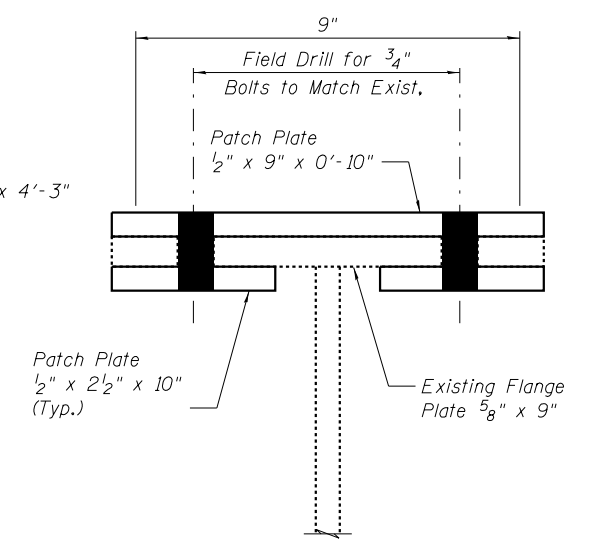


SECTION B-B

* Cleaning and Painting shall meet the requirements of Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."



DETAIL 1



SECTION C-C

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\090-0108-68B00-015-MISC STRUC STEEL.dgn



DESIGNED - MSM	REVISED
CHECKED - RDN	REVISED
DRAWN - MSM	REVISED
CHECKED - RDN	REVISED

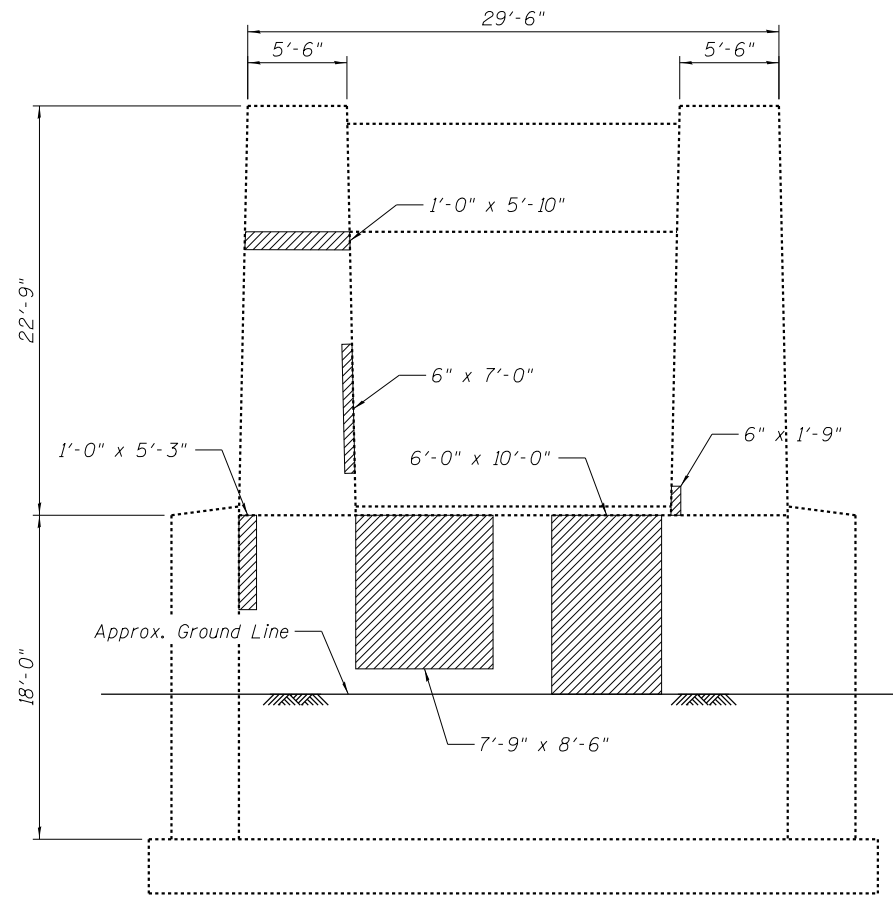
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS**

**MISCELLANEOUS STRUCTURAL STEEL REPAIR DETAILS
 EASTBOUND STRUCTURE NO. 090-0108
 WESTBOUND STRUCTURE NO. 090-0109**

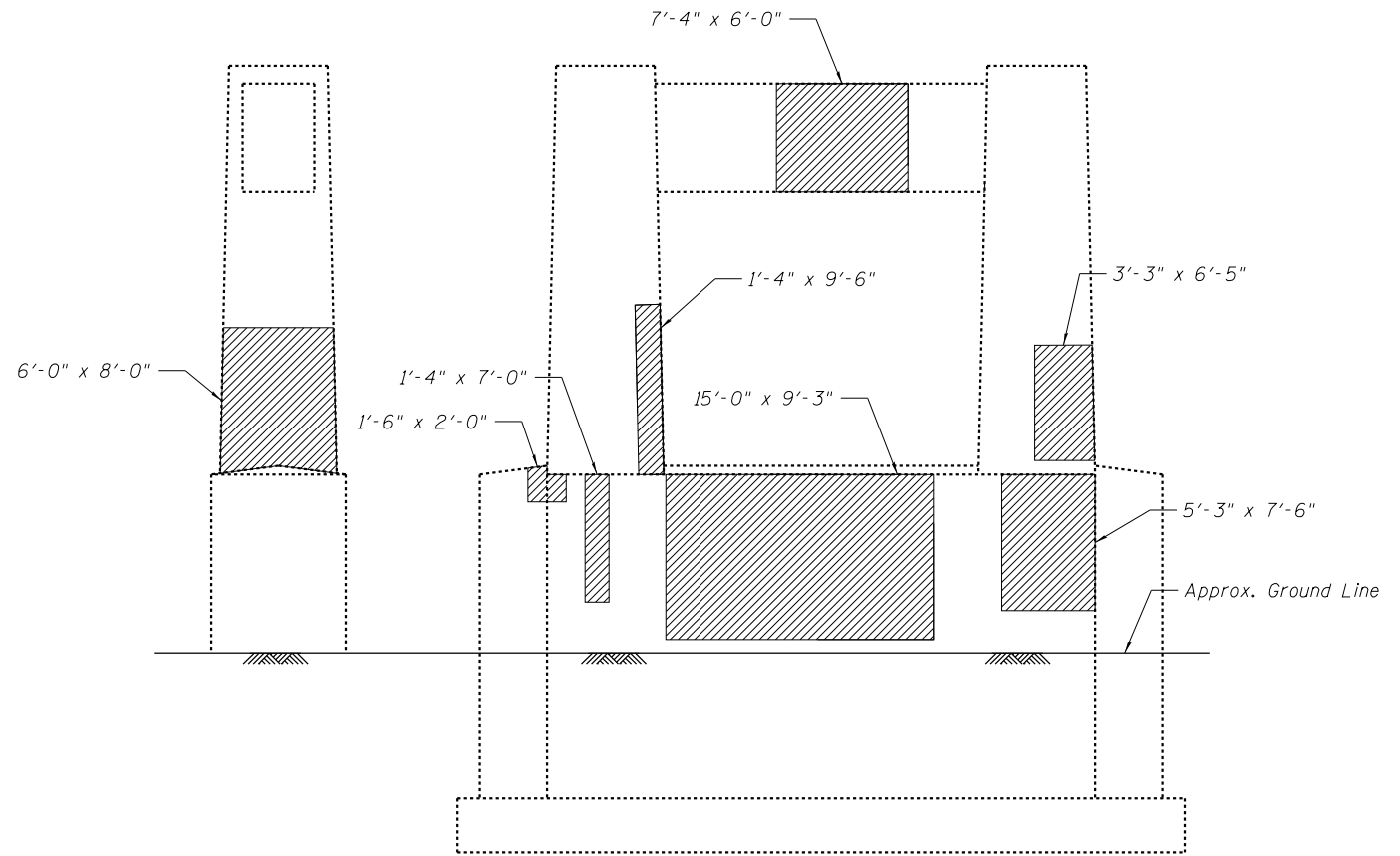
SHEET NO. 15 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	52
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FILE NAME = J:\2014\6035\Cadd\Design\Bridges Repair Plans\090-0108-68B00-016-P4E.dgn



PIER 4 - EAST ELEVATION
ID No. 16



PIER 4 - S. COLUMN INSIDE FACE
ID No. 16

PIER 4 - WEST ELEVATION
ID No. 16

LEGEND



Structural Repair of Concrete
(Depth less than 5")

Note:
Contractor shall verify limits of unsound concrete shown prior to beginning repair.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	458



4140 Lindell Boulevard
St. Louis, MO 63104
314-454-0222

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

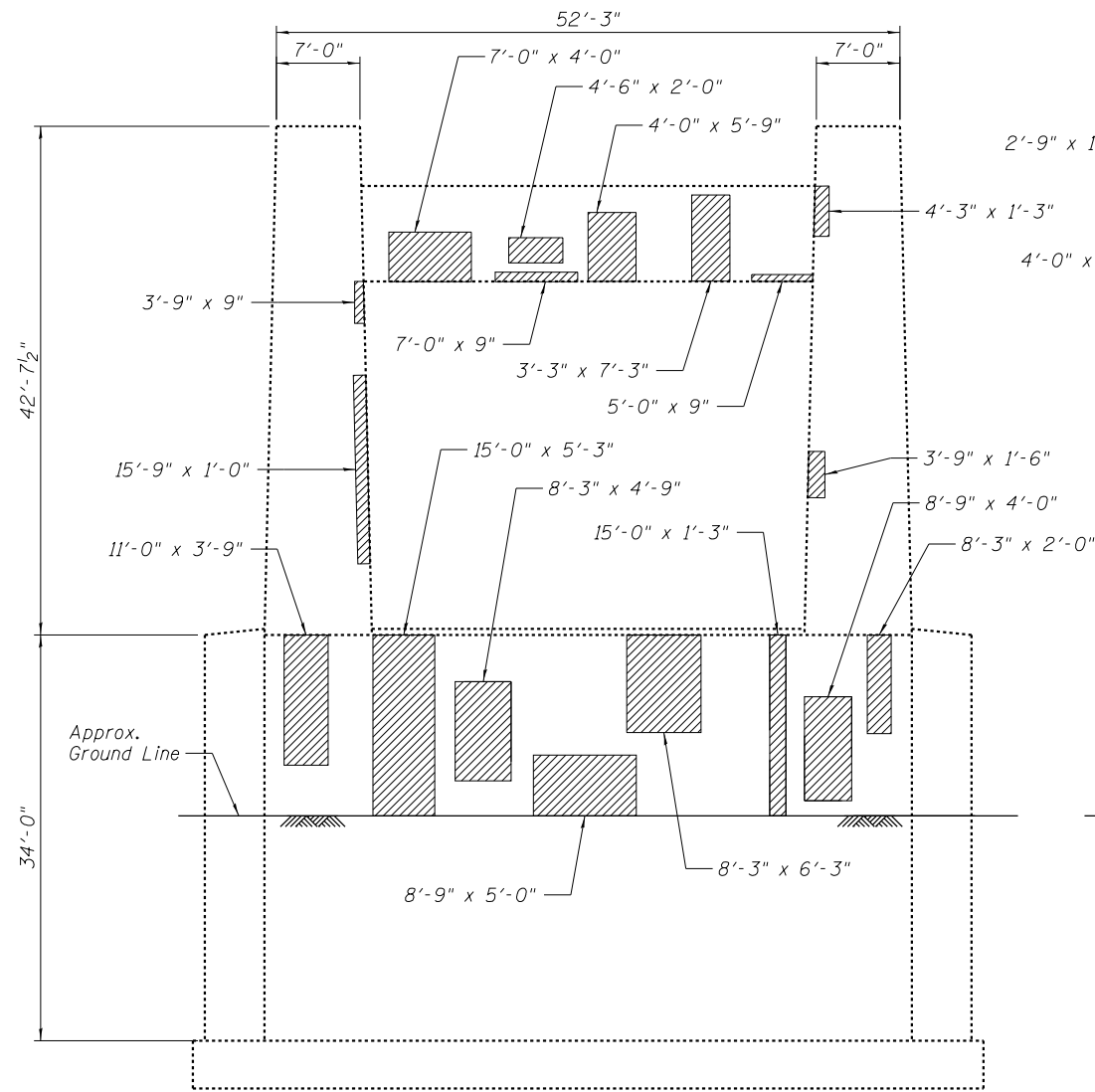
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

**PIER 4 SUBSTRUCTURE REPAIR
EASTBOUND S.N. 090-0108**

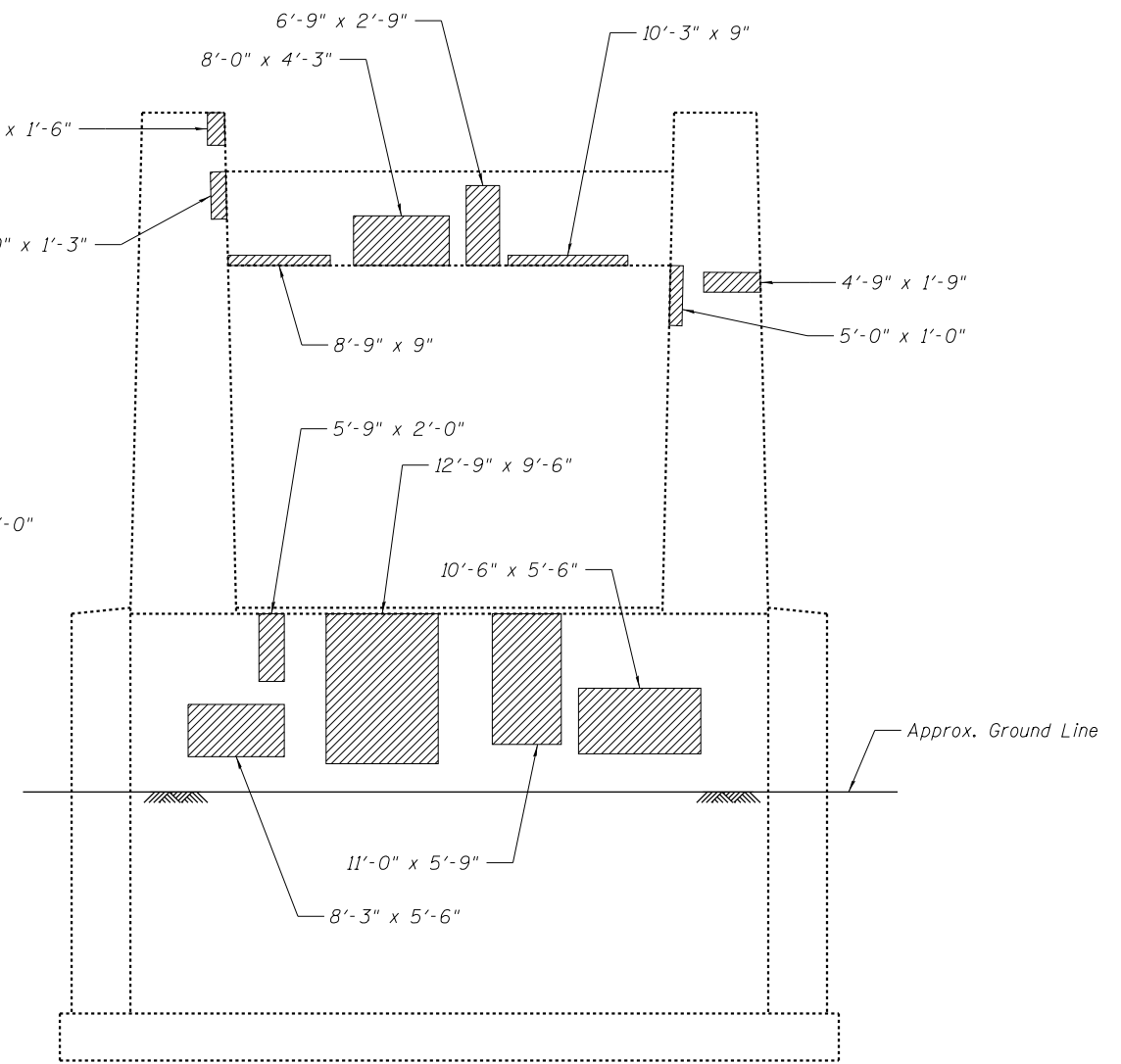
SHEET NO. 16 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	53
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\090-0108-68B00-017-PBE.dgn



PIER 8 - EAST ELEVATION
ID No. 33



PIER 8 - WEST ELEVATION
ID No. 33

LEGEND



Structural Repair of Concrete
(Depth less than 5")

Note:
Contractor shall verify limits of unsound
concrete shown prior to beginning repair.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	835



4140 Lindell Boulevard
St. Louis, MO 63104
314-454-0222

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

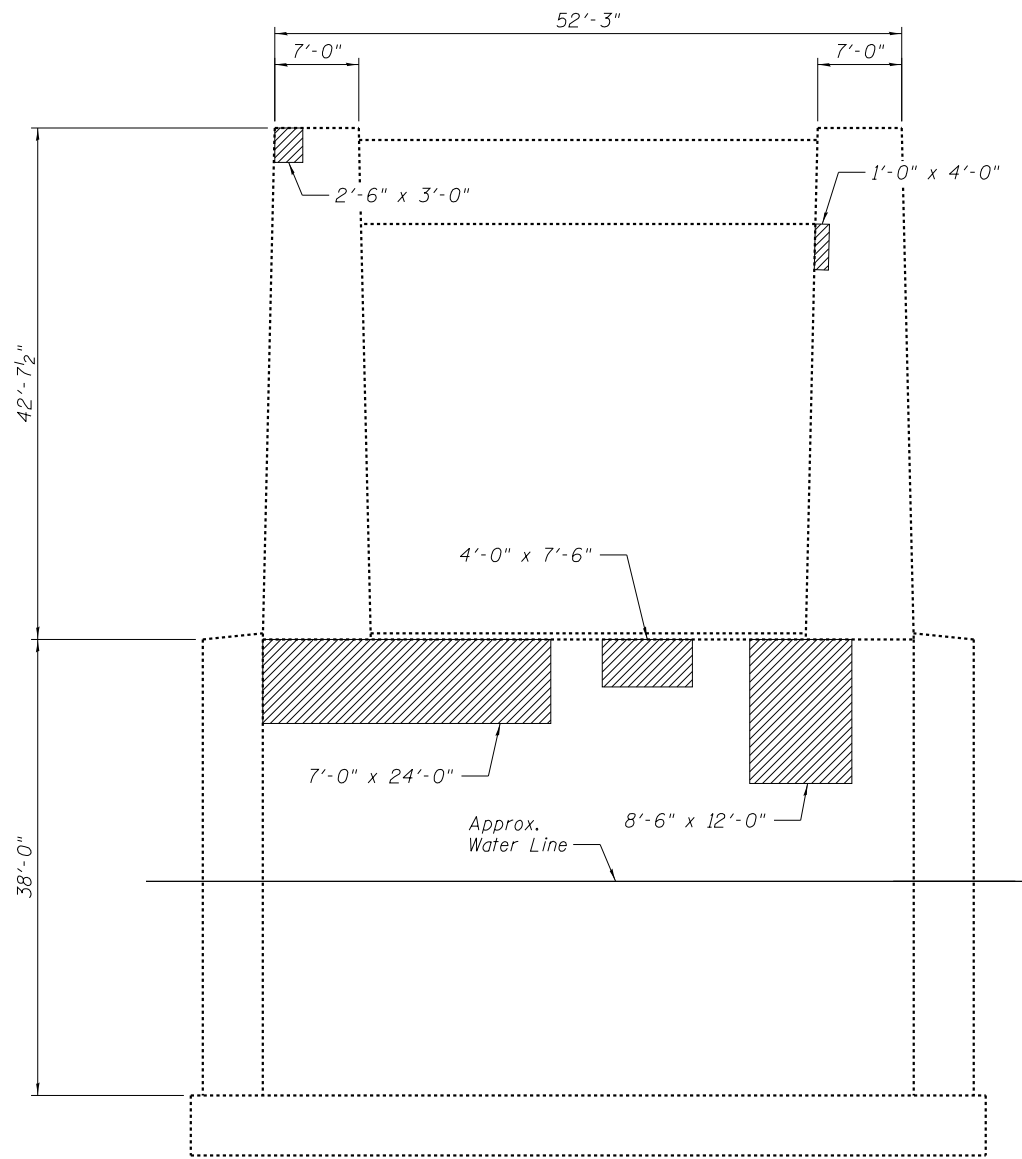
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

PIER 8 SUBSTRUCTURE REPAIR
EASTBOUND S.N. 090-0108

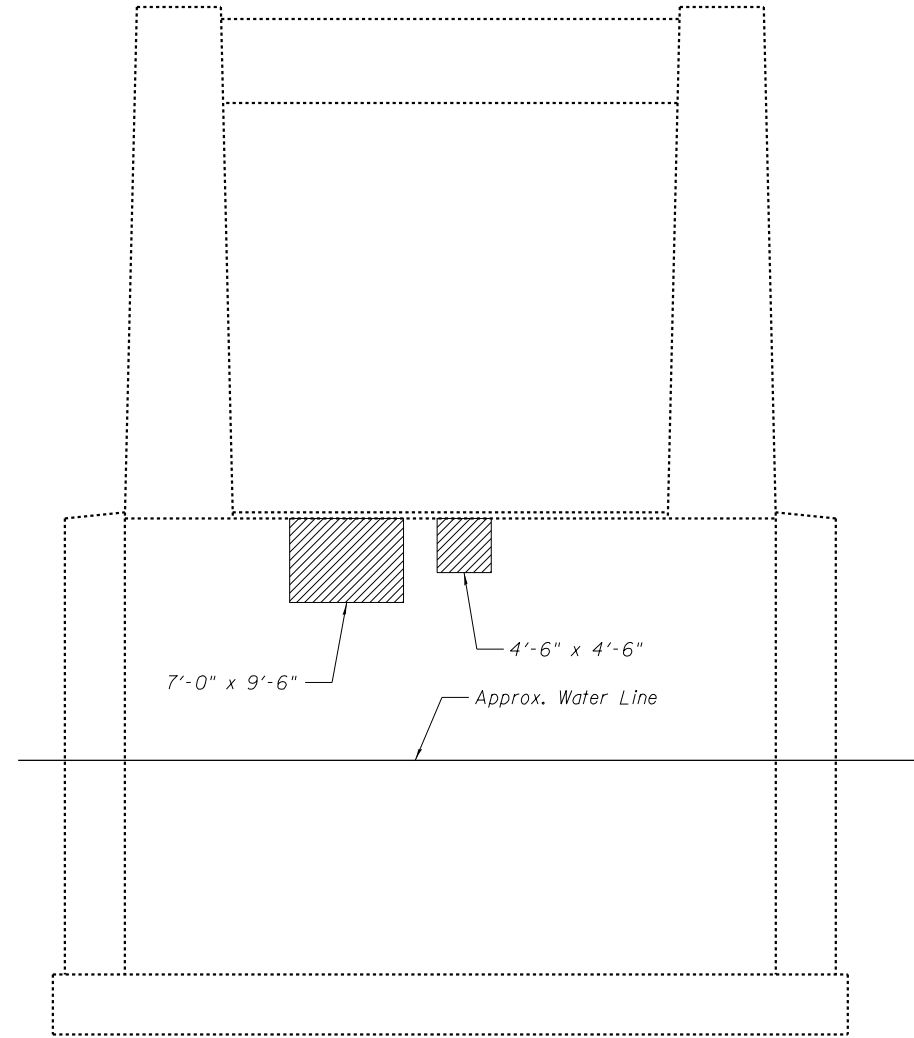
SHEET NO. 17 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	54
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\090-0108-68B00-018-P9E.dgn



PIER 9 - EAST ELEVATION
ID No. 46



PIER 9 - WEST ELEVATION
ID No. 46

LEGEND



Structural Repair of Concrete
(Depth less than 5")

Note:
Contractor shall verify limits of unsound
concrete shown prior to beginning repair.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	400



4140 Lindell Boulevard
St. Louis, MO 63104
314-454-0222

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

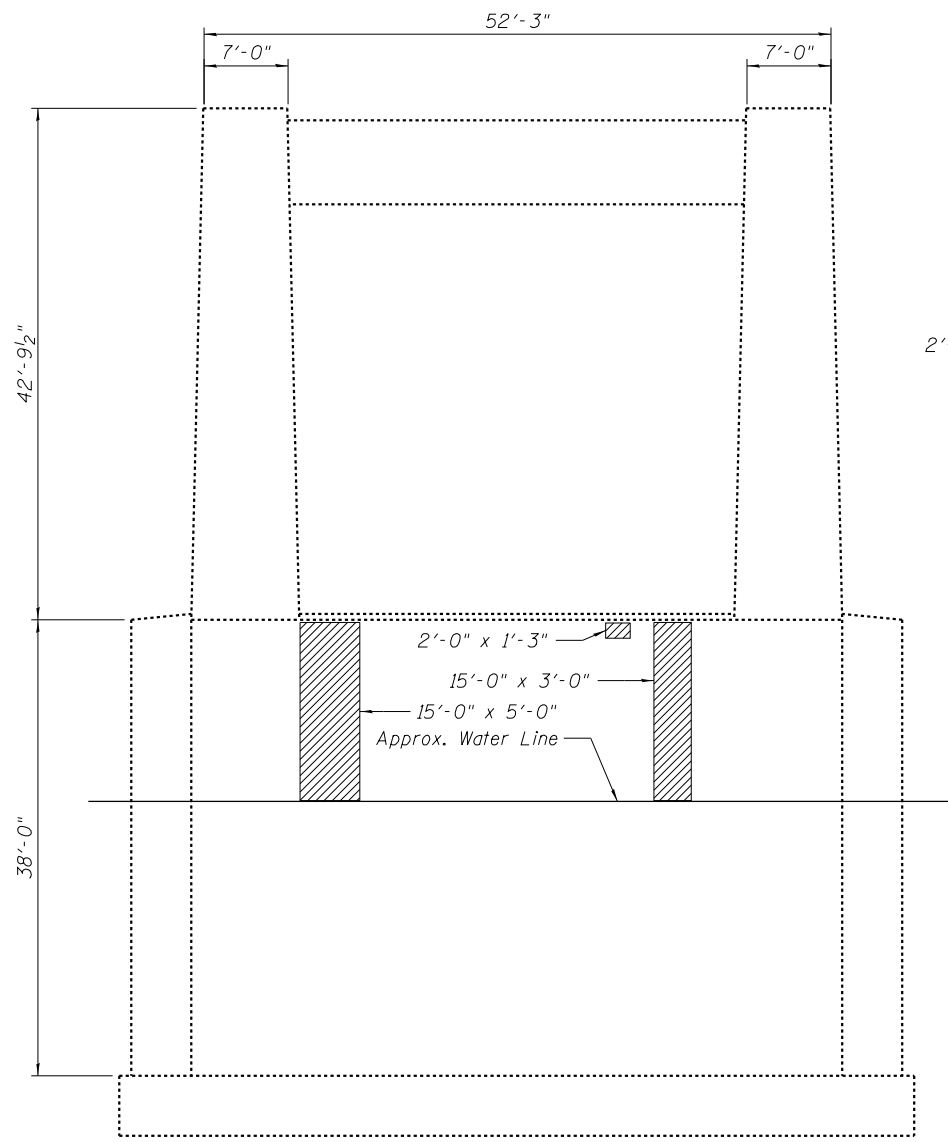
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

**PIER 9 SUBSTRUCTURE REPAIR
EASTBOUND S.N. 090-0108**

SHEET NO. 18 OF 28 SHEETS


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	55
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FILE NAME = J:\2014\6035\Cadd\Design\Bridges\Repair\Plans\090-0108-68B00-019-PI0E.dgn



PIER 10 - EAST ELEVATION
ID No. 78

PIER 10 - S. COLUMN OUTSIDE FACE
ID No. 78

LEGEND
 Structural Repair of Concrete (Depth less than 5")

Note:
Contractor shall verify limits of unsound concrete shown prior to beginning repair.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Pier 10 Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	130



4140 Lindell Boulevard
St. Louis, MO 63104
314-454-0222

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

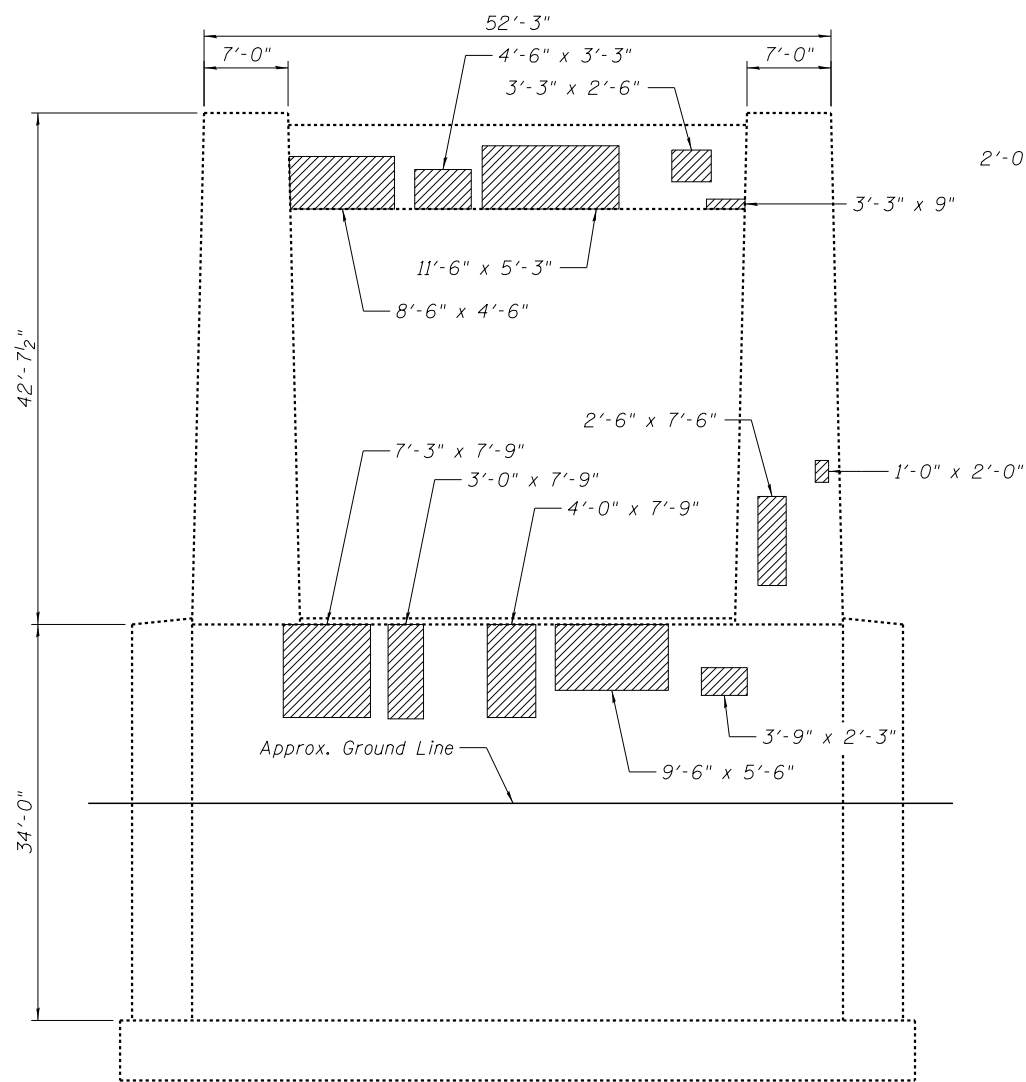
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

PIER 10 SUBSTRUCTURE REPAIR
EASTBOUND S.N. 090-0108

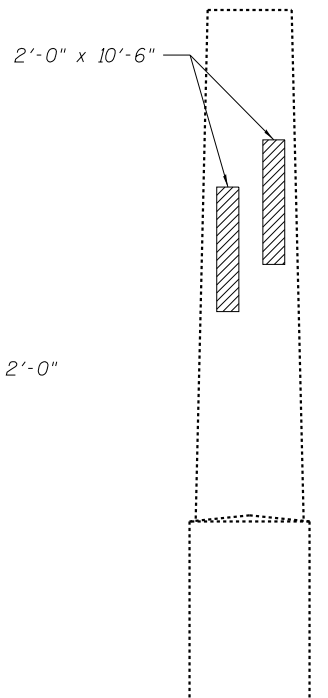
SHEET NO. 19 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	56
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

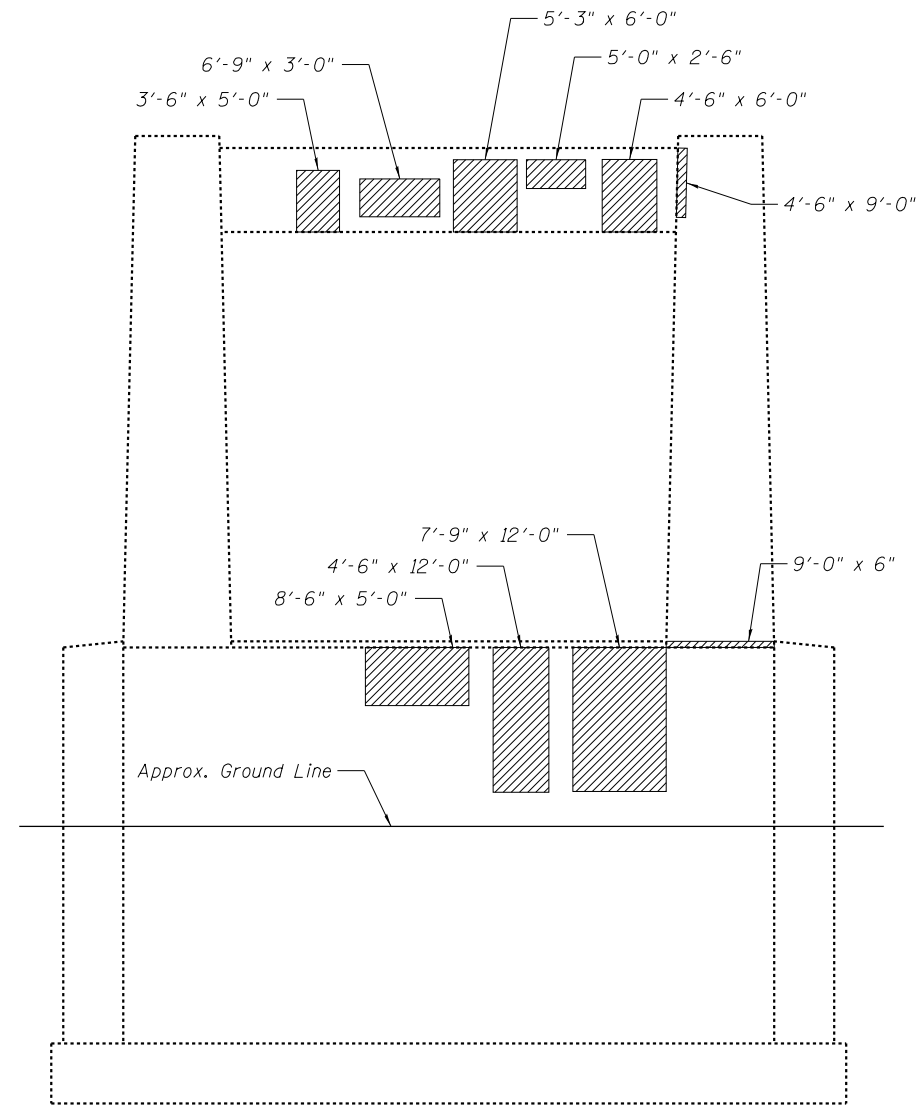
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PIER 11 - EAST ELEVATION
ID No. 96



**PIER 11 -
N. COLUMN
INSIDE FACE**
ID No. 96



PIER 11 - WEST ELEVATION
ID No. 96

LEGEND



Structural Repair of Concrete
(Depth less than 5")

Note:
Contractor shall verify limits of unsound
concrete shown prior to beginning repair.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Pier 11 Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	664



4140 Lindell Boulevard
St. Louis, MO 63104
314-454-0222

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

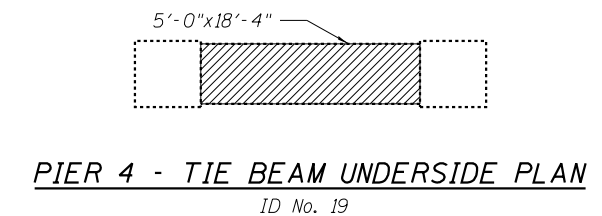
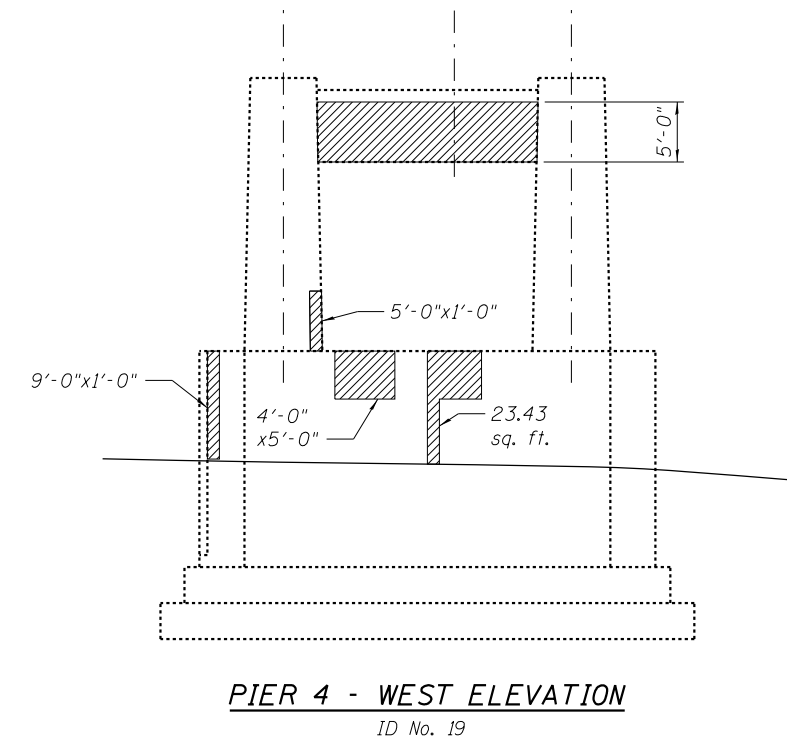
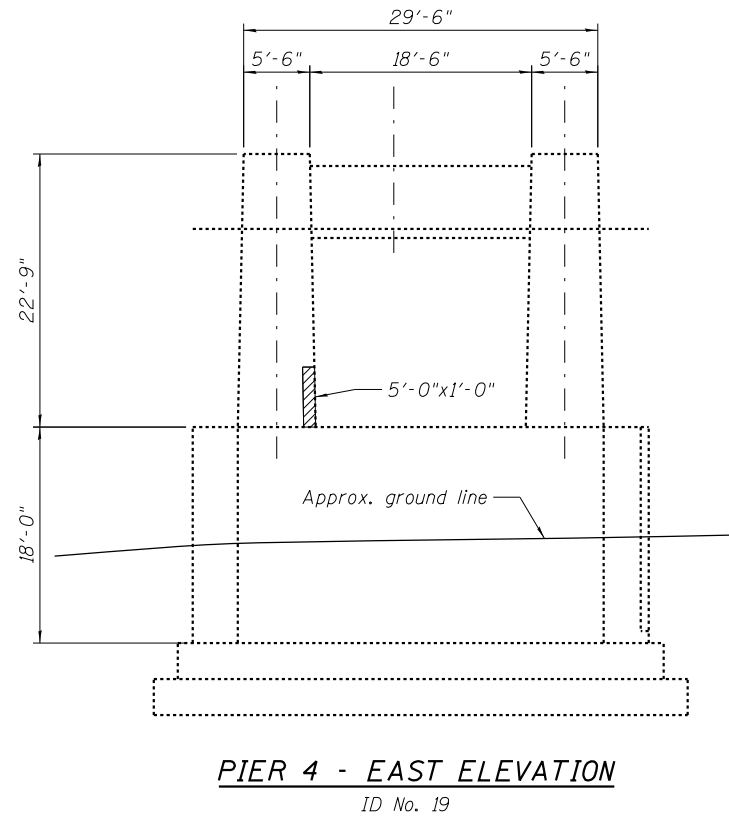
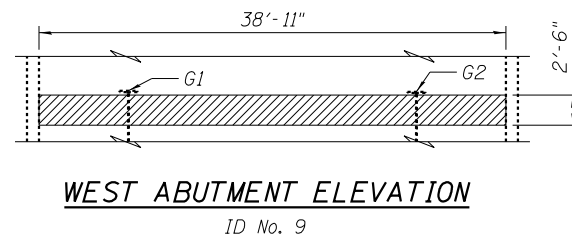
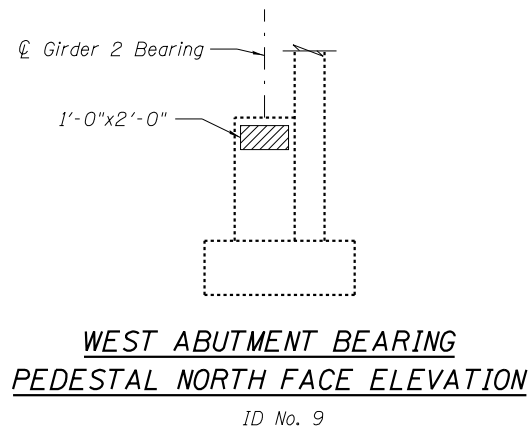
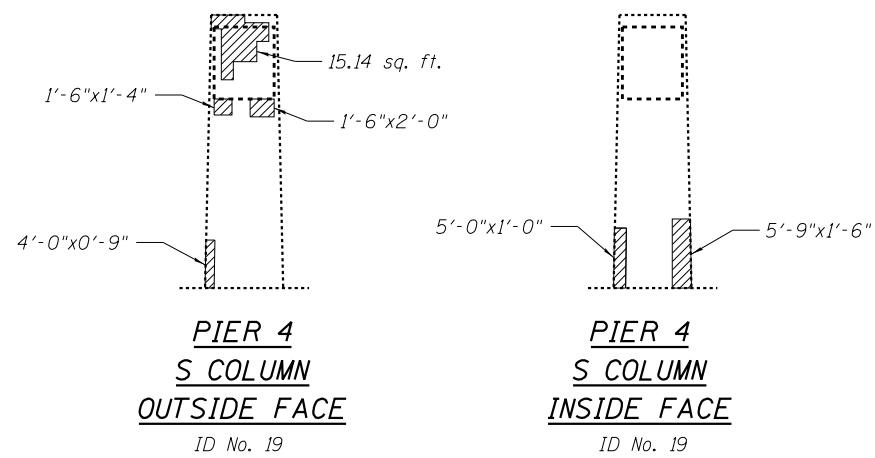
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

**PIER 11 SUBSTRUCTURE REPAIR
EASTBOUND S.N. 090-0108**

SHEET NO. 20 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	57
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\090-0109-68B00-02-ABUT & P4W.dgn



LEGEND



Structural Repair of Concrete (Depth less than 5")

Note: Contractor shall verify limits of unsound concrete shown prior to beginning repair.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	382



DESIGNED - MAK	REVISED
CHECKED - RDN	REVISED
DRAWN - MAK	REVISED
CHECKED - RDN	REVISED

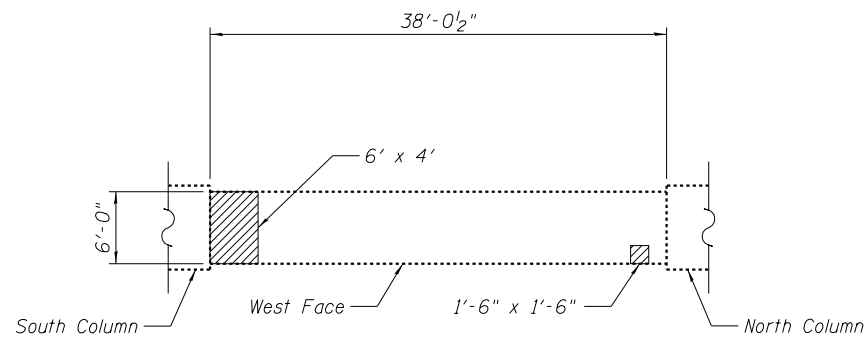
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

WEST ABUTMENT & PIER 4 SUBSTRUCTURE REPAIR
WESTBOUND STRUCTURE NUMBER 090-0109

SHEET NO. 21 OF 28 SHEETS

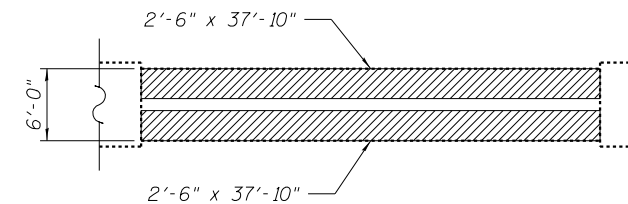
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	58
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

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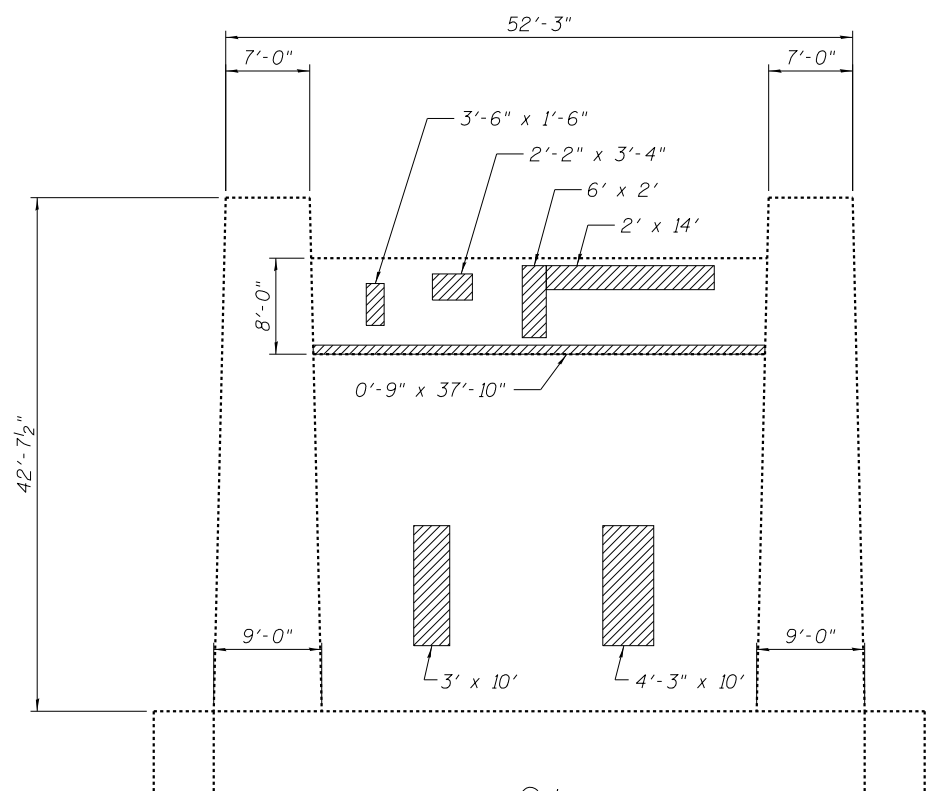
PIER 9 - TIE BEAM UNDERSIDE PLAN

ID No. 40



PIER 8 - TIE BEAM UNDERSIDE PLAN

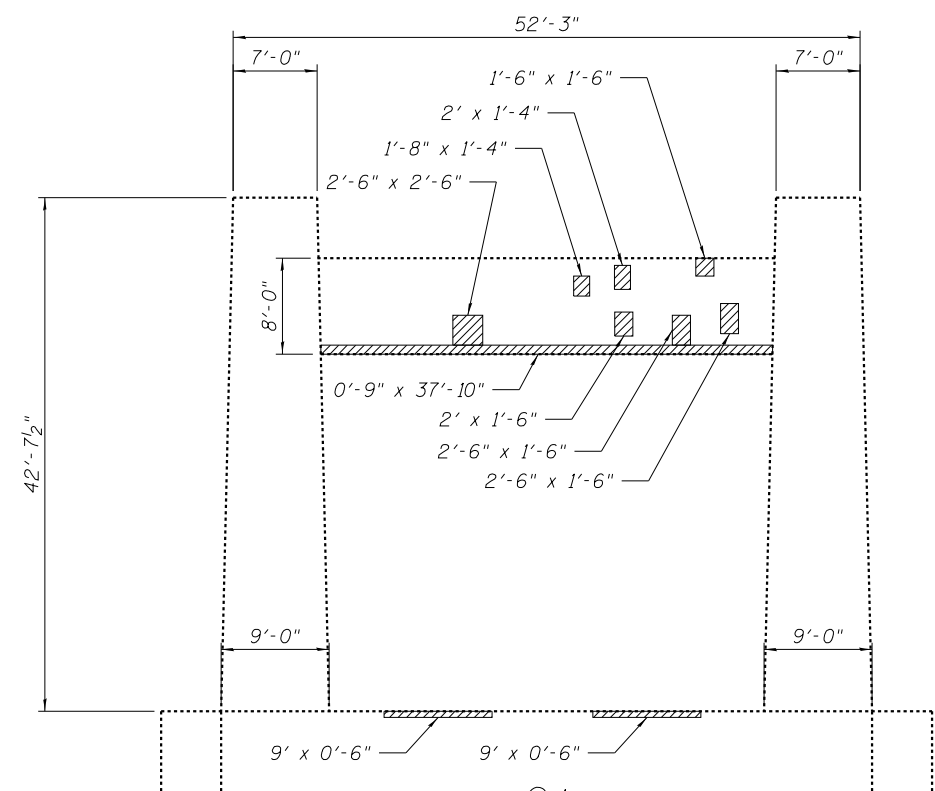
ID No. 32



PIER 8 - EAST ELEVATION

(Dimensions taken from existing drawings)

ID No. 32



PIER 8 - WEST ELEVATION

(Dimensions taken from existing drawings)

ID No. 32

LEGEND



Structural Repair of Concrete
(Depth less than 5")

Note:
Contractor shall verify limits of unsound concrete shown prior to beginning repair.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	430



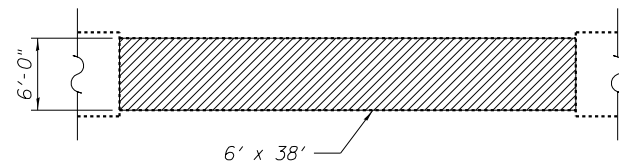
DESIGNED - MSM	REVISED
CHECKED - RDN	REVISED
DRAWN - MSM	REVISED
CHECKED - RDN	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

**PIER 8 & 9 SUBSTRUCTURE REPAIR
WESTBOUND STRUCTURE NUMBER 090-0109**

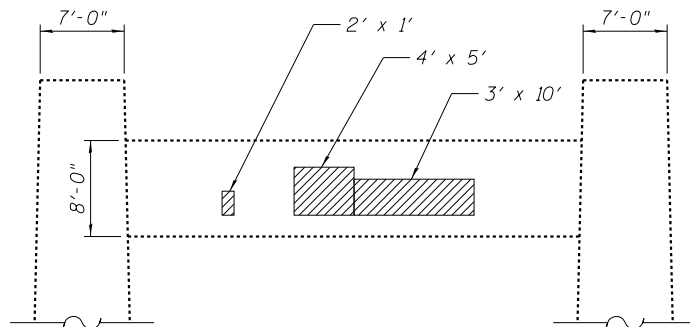
SHEET NO. 22 OF 28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/AZEWELL	93	59
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



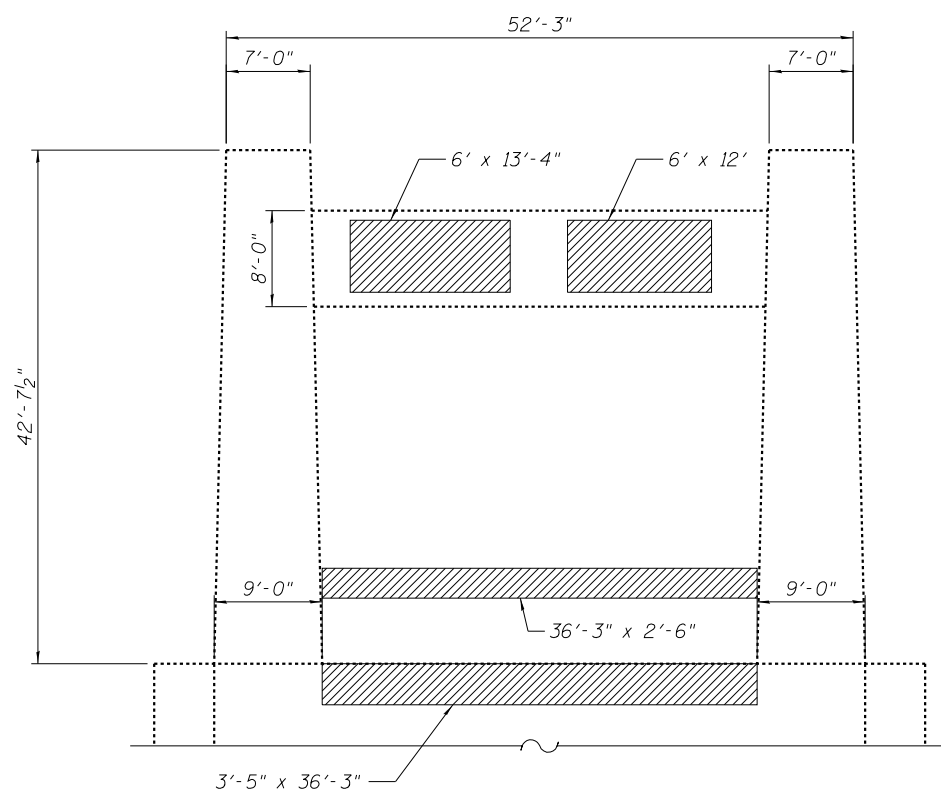
PIER 11 - TIE BEAM UNDERSIDE PLAN

ID No. 82



PIER 11 - WEST FACE TIE BEAM ELEVATION

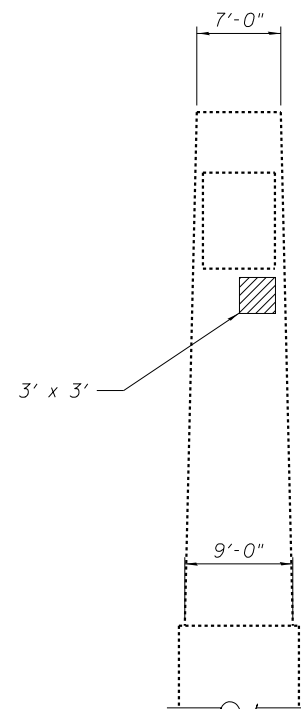
ID No. 82



PIER 11 - EAST ELEVATION

(Dimensions taken from existing drawings)

ID No. 82



PIER 11 - NORTH COLUMN INSIDE FACE

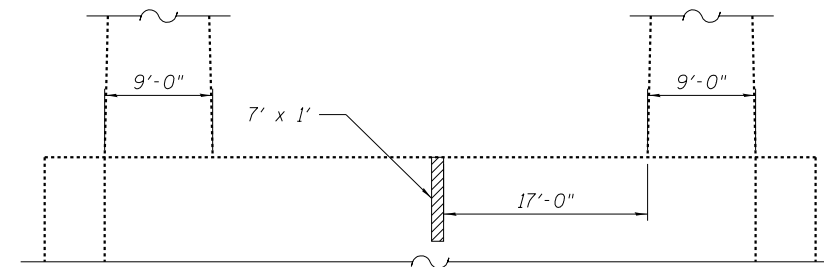
ID No. 82

LEGEND



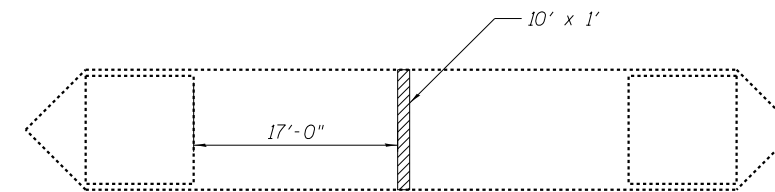
Structural Repair of Concrete (Depth less than 5")

Note:
Contractor shall verify limits of unsound concrete shown prior to beginning repair.



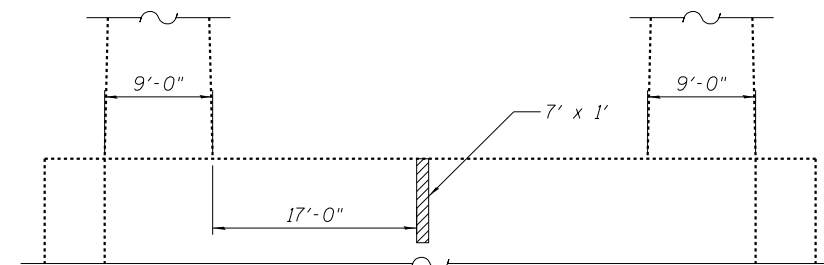
PIER 10 - WALL WEST ELEVATION

ID No. 69



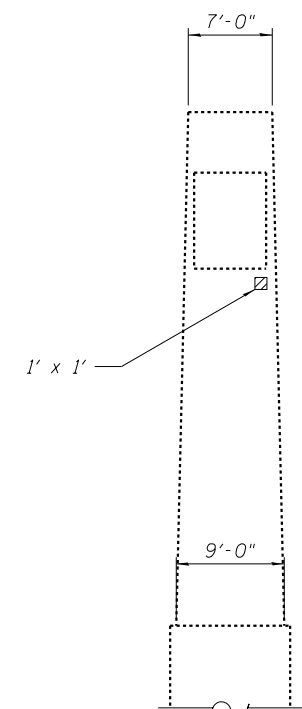
PIER 10 - WALL TOP PLAN

ID No. 69



PIER 10 - WALL EAST ELEVATION

ID No. 69



PIER 10 - NORTH COLUMN OUTSIDE FACE

ID No. 69

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5")	Sq. Ft.	680

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\090-0109-68B00-023-PI011W.dgn



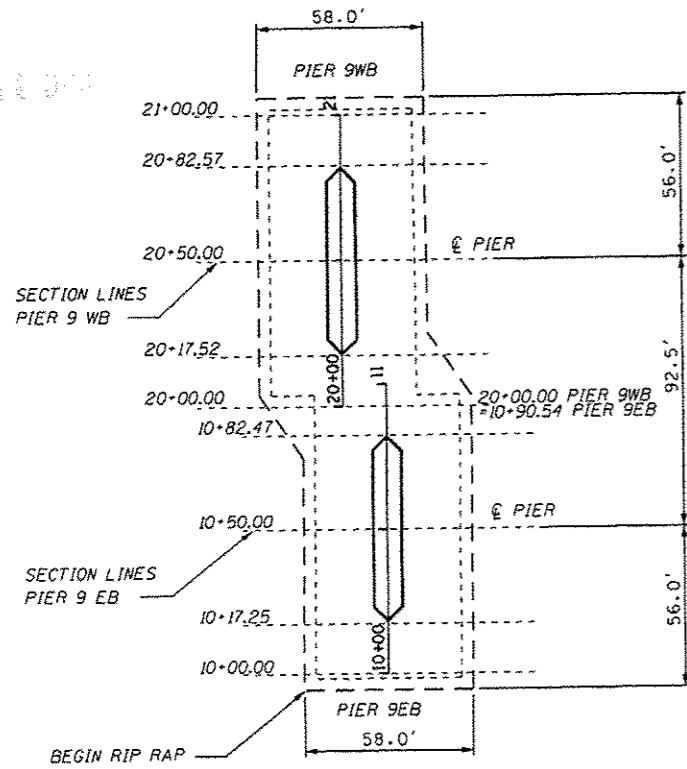
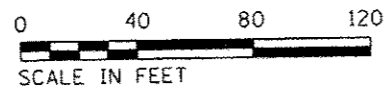
DESIGNED - MSM	REVISED
CHECKED - RDN	REVISED
DRAWN - MSM	REVISED
CHECKED - RDN	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

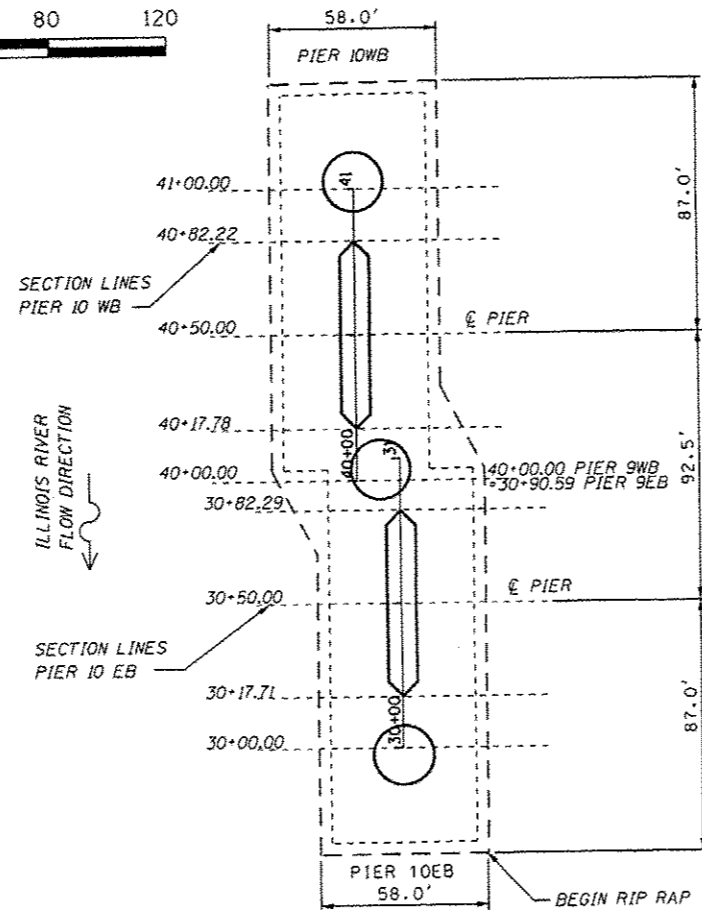
**PIER 10 & 11 SUBSTRUCTURE REPAIR
WESTBOUND STRUCTURE NUMBER 090-0109**

SHEET NO. 23 OF 28 SHEETS

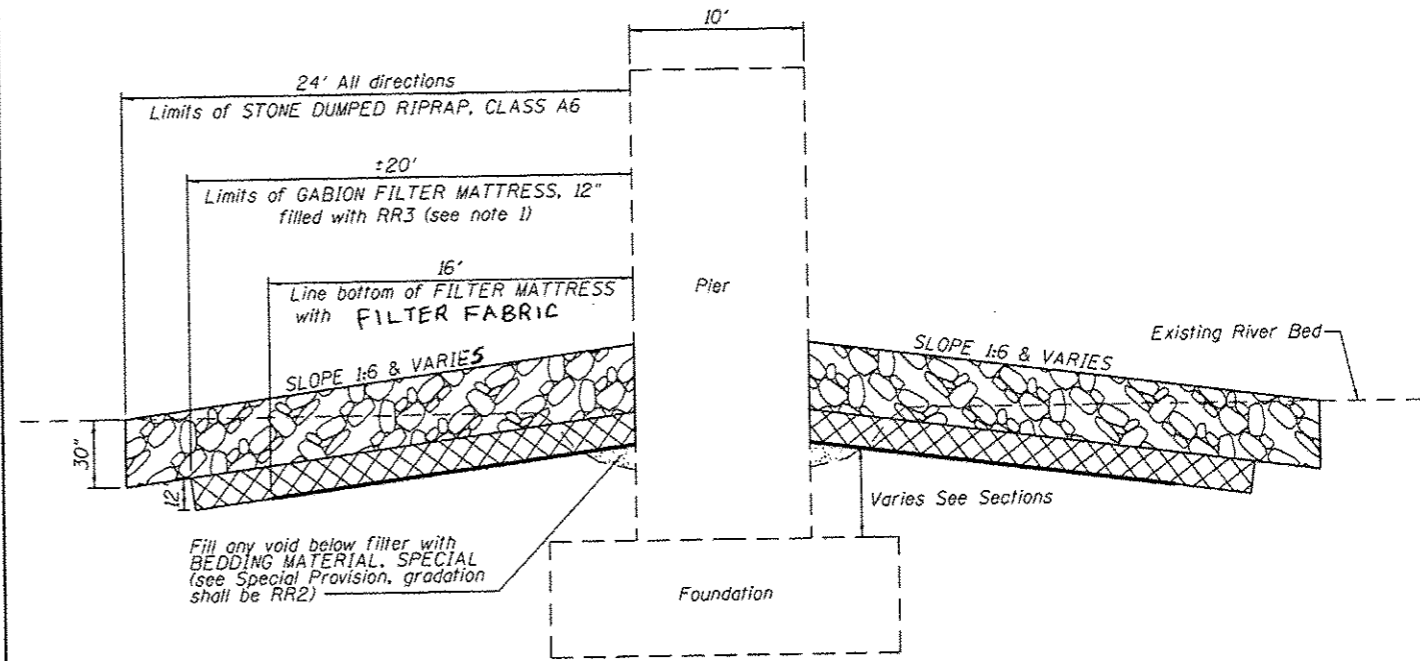
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	60
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



PIER 9 DETAIL



PIER 10 DETAIL



TYPICAL SECTION - PIER SCOUR COUNTERMEASURE

N.T.S.

NOTES

- GABION FILTER MATTRESS, 12" SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION FOR STABILIZATION FABRIC

APPROVED
For Structural Adequacy Only
Joshua L. Auxier
Engineer of Bridges & Structures

PIER 10
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	1665
STONE DUMPED RIP RAP CLASS A6	SO YD	1524
FILTER FABRIC	SO YD	913
STABILIZATION FABRIC	SO YD	1192
BEDDING MATERIAL, SPECIAL	CU YD	26

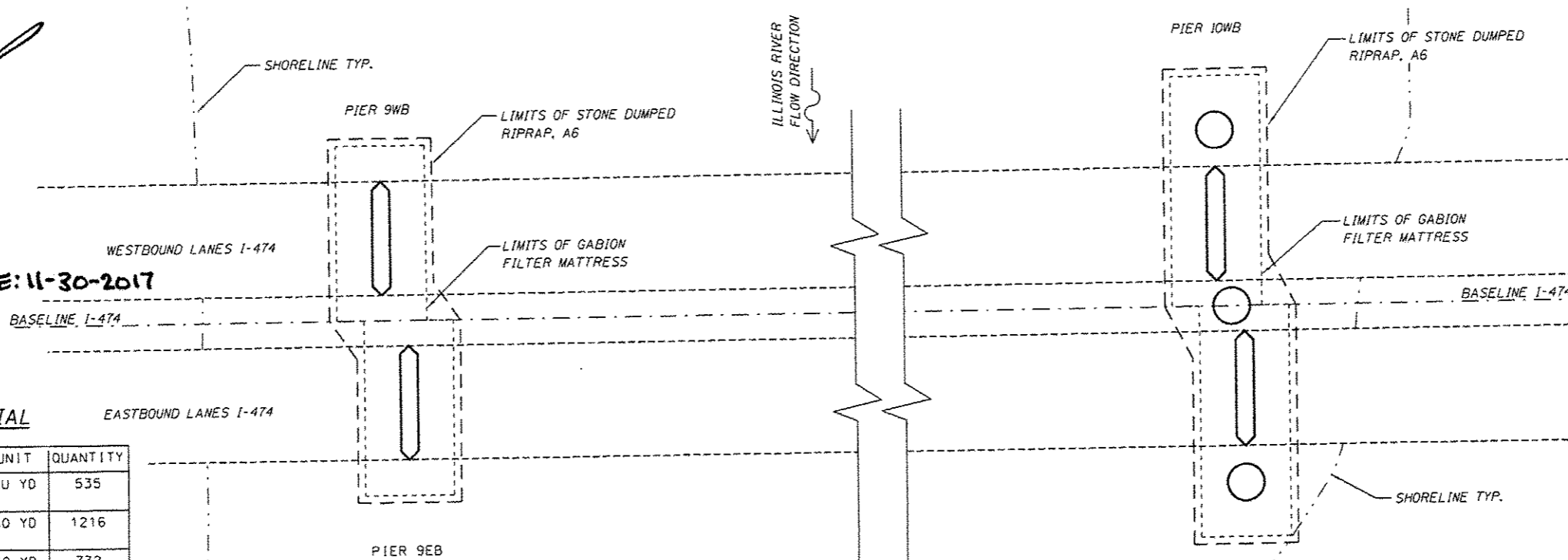
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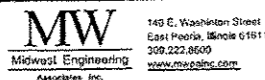
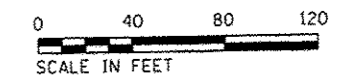
DATE: 07-27-2016
LIC. EXPIRATION DATE: 11-30-2017
SHEETS 61-65

PIER 9
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	535
STONE DUMPED RIP RAP CLASS A6	SO YD	1216
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	732
STABILIZATION FABRIC	SO YD	958
BEDDING MATERIAL, SPECIAL	CU YD	29



PLAN VIEW



DESIGNED - JLA	REVISED
CHECKED - KMC	REVISED
DRAWN - KRS	REVISED
CHECKED - KMC	REVISED

STATE OF ILLINOIS
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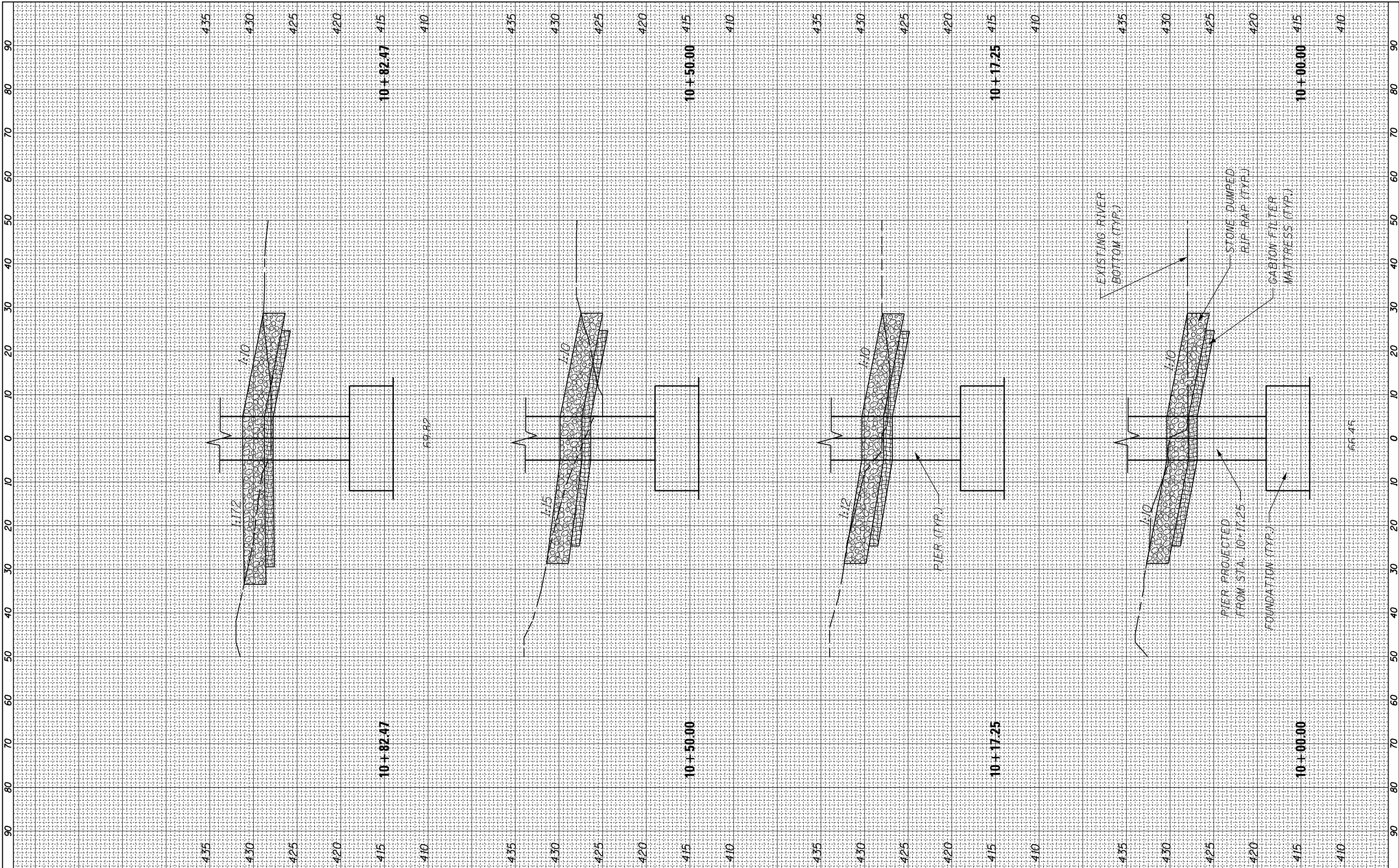
PIER 9 AND PIER 10 SCOUR MITIGATION
STRUCTURE NOS. 090-0108 (EB) 090-0109 (WB)

SHEET NO. 24 OF 28 SHEETS

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,9015B)J-3	PEORIA/TAZEWELL	93	61
CONTRACT NO. 68800			ILLINOIS FED. AID PROJECT	

PIER 9 EB

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\Scour Protection\090-0108_0109-68B00-025_028-SECTIONS.DGN



MW
Midwest Engineering
Associates, Inc.
140 E. Washinton Street
East Peoria, Illinois 61611
309.222.8600
www.mweainc.com

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CHECKED -	KMC	REVISED -	
DATE -	6/29/2016	REVISED -	

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DEPARTMENT OF TRANSPORTATION

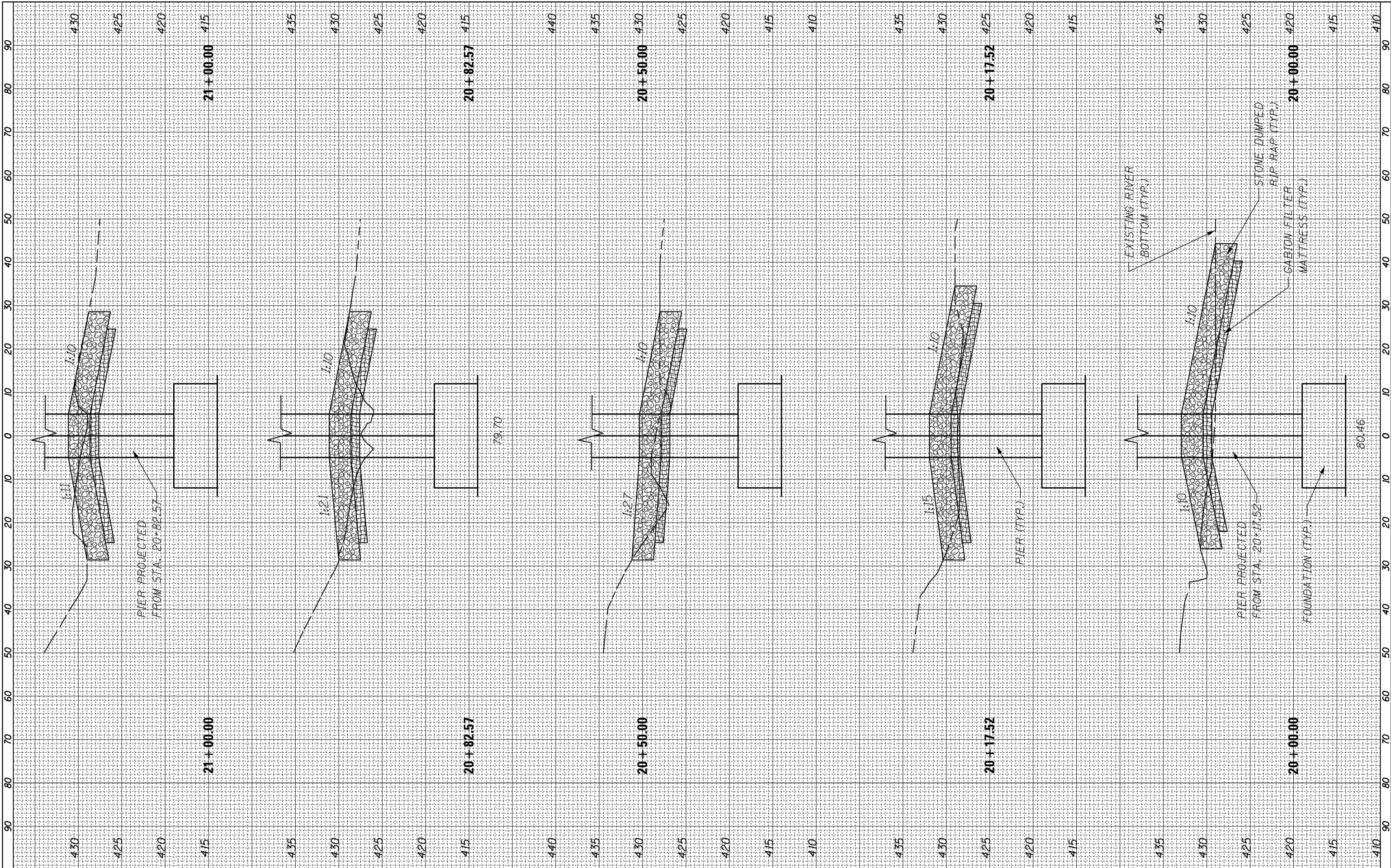
PIER 9 EB
STRUCTURE NOS. 090-0108

SCALE: SHEET NO. 25 OF 28 SHEETS STA. 10+00.00 TO STA. 10+82.47

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5BJI-3	PEORIA/AZEWELL	93	62
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

PIER 9 WB

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\Scour Protection\090-0109-68B00-025-028-SECTIONS.DGN



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CHECKED -	KMC	REVISED -	
DATE -	6/29/2016	REVISED -	

STATE OF ILLINOIS
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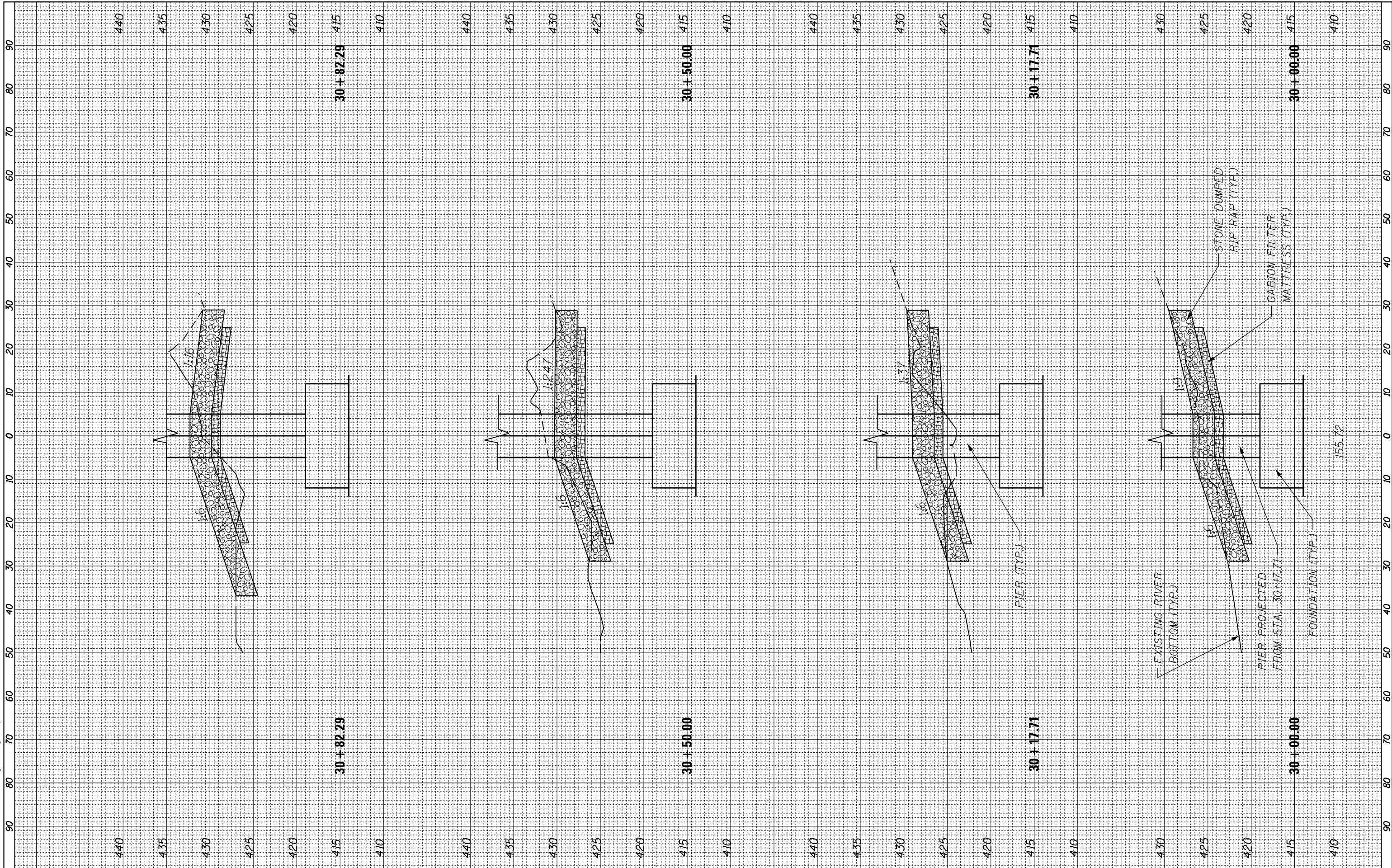
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PIER 9 WB
STRUCTURE NOS. 090-0109

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5BJI-3	PEORIA/TAZEWELL	93	63
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

PIER 10 EB

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\Scour Protection\090-0108_0109-68B00-025_028-SECTIONS.DGN



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140 E. Washington Street
East Peoria, Illinois 61611
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CHECKED	-	KMC	REVISED	-
DATE	-	6/29/2016	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. 27 OF 28 SHEETS STA. 30+00.00 TO STA. 30+82.29

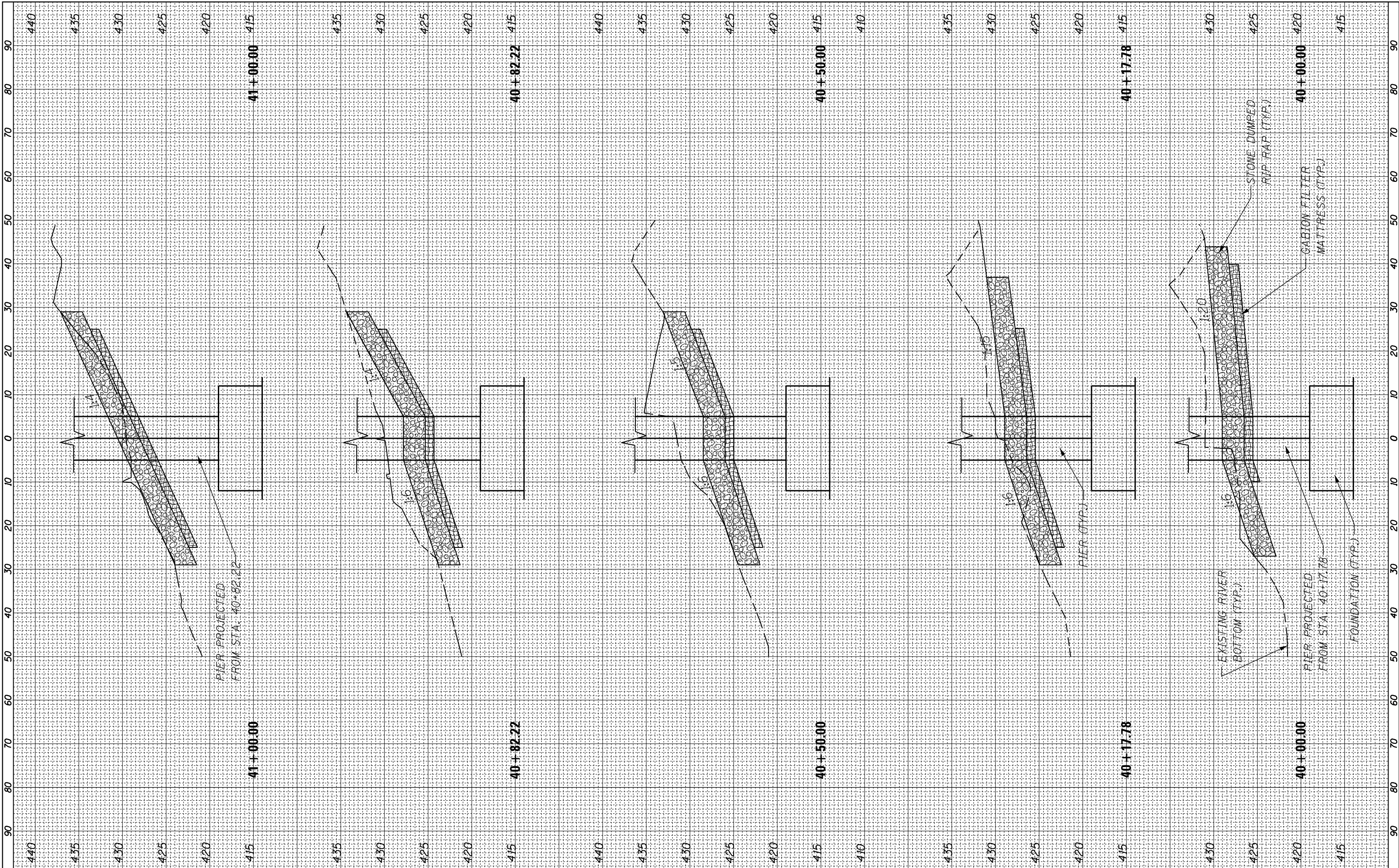
PIER 10 EB
STRUCTURE NOS. 090-0108

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5BJI-3	PEORIA/TAZEWELL	93	64
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

155-72

PIER 10 WB

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\Scour Protection\090-0108_0109-68B00-025_028-SECTIONS.DGN



MW
Midwest Engineering
Associates, Inc.
140 E. Washington Street
East Peoria, Illinois 61611
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CHECKED	-	KMC	REVISED	-
DATE	-	6/29/2016	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. 28 OF 28 SHEETS STA. 40+00.00 TO STA. 41+00.00

PIER 10 WB
STRUCTURE NOS. 090-0109

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	65
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSSOVER LIGHTING SYSTEMS AT BOTH ENDS OF THE SHADE-LOHMANN BRIDGE DURING CONSTRUCTION. ANY REPAIRS REQUIRED TO PLACE THE LIGHTING INTO SATISFACTORY OPERATING CONDITION (AS DETERMINED BY THE ENGINEER) WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. BOTH CROSSOVER LIGHTING SYSTEMS SHALL BE REMOVED AT THE CONCLUSION OF THE PROJECT. THE REMOVAL WORK WILL BE PAID FOR AS "REMOVAL OF TEMPORARY LIGHTING UNIT." NONE OF THE EXISTING LIGHTING EQUIPMENT SHALL BE SALVAGED.
2. THE CONTRACTOR SHALL NOTIFY THE UNITED STATES COAST GUARD SECTOR UPPER MISSISSIPPI RIVER TWO WEEKS PRIOR TO PERFORMING ANY WORK ON THE NAVIGATION LIGHTING SYSTEM.
3. THE EXISTING CABLING AND FLEXIBLE CONDUIT BETWEEN THE NAVIGATION LIGHTING CONTROLLER AND NAVIGATION LIGHT FIXTURES SHALL BE REMOVED AND REPLACED. REMOVAL OF ALL EXISTING CABLING AND FLEXIBLE CONDUIT IS INCLUDED IN THE PRICE OF THE ITEM "REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING UNIT."
4. THE ITEM "CONDUIT, FLEXIBLE, LIQUID TIGHT, METALLIC, 2" DIAMETER" WILL BE USED FOR INSTALLATION OF NEW LIQUIDTIGHT FLEXIBLE CONDUIT AT LOCATIONS OTHER THAN THE NAVIGATION LIGHT FIXTURES, AS INDICATED IN THE SPECIAL PROVISIONS. NEW LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT AT EACH NAVIGATION LIGHT FIXTURE IS INCLUDED IN THE COST OF THE FIXTURE, AS INDICATED IN THE SPECIAL PROVISIONS.
5. THE EXISTING RIGID CONDUIT AND FITTINGS ATTACHED TO STRUCTURE SHALL BE REUSED. ANY REPAIRS DETERMINED BY THE ENGINEER TO BE NECESSARY FOR THE INSTALLATION OF NEW CABLE WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
6. NEW CONDUIT REQUIRED TO CONNECT THE NEW NAVIGATION LIGHTING CONTROLLER TO THE EXISTING CONDUIT RUNS TO THE EASTBOUND AND WESTBOUND STRUCTURES IS INCLUDED IN THE COST OF THE CONTROLLER.
7. THE TRAFFIC SIGNAL TECHNICIAN SHALL BE CONTACTED 1 WEEK PRIOR TO ANY WORK BEING PERFORMED ON THE NAVIGATION LIGHTING SYSTEM ON THE EASTBOUND SHADE LOHMANN STRUCTURE, AND 1 WEEK PRIOR TO ANY WORK BEING PERFORMED ON THE NAVIGATION LIGHTING SYSTEM ON THE WESTBOUND SHADE LOHMANN STRUCTURE.

LIGHTING SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	8,750
NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	11
REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING UNIT	EACH	8
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT, FLEXIBLE, LIQUID TIGHT, METALLIC, 2" DIAMETER	FOOT	40
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	21
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED, PARAPET MOUNTED	EACH	4
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 360 DEGREE GREEN, PARAPET MOUNTED	EACH	2
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED, PROTECTION CELL MOUNTED	EACH	2

INDEX OF SHEETS

- L-1 LIGHTING GENERAL NOTES, SCHEDULE OF QUANTITIES, AND INDEX OF SHEETS
- L-2 NAVIGATION LIGHTING PLAN
- L-3 NAVIGATION LIGHTING DETAILS
- L-4 TO L-5 TEMPORARY ROADWAY LIGHTING PLANS
- L-6 TO L-7 TEMPORARY ROADWAY LIGHTING DETAILS

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\Nav. Lighting\68B00-001-NAV-LGT-500-L.dgn

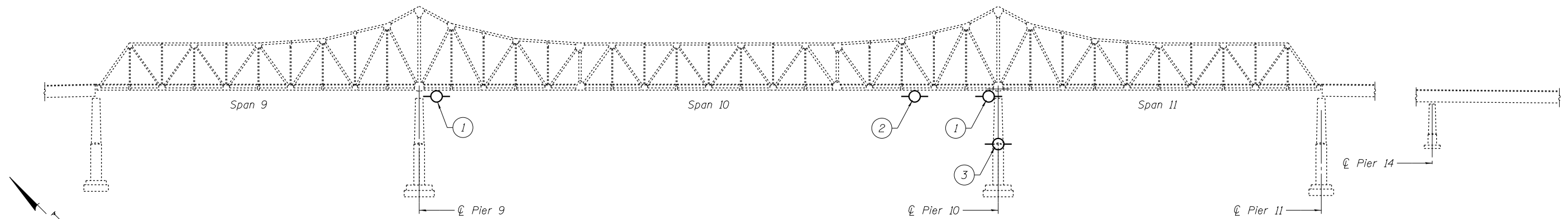
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DRAWN -	REVISED
CHECKED -	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS**

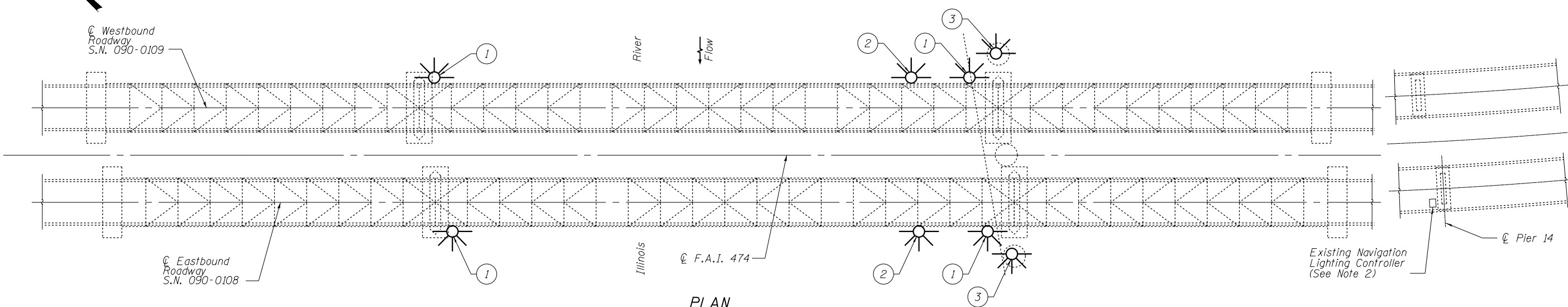
**LIGHTING GENERAL NOTES, SCHEDULE OF QUANTITIES
AND INDEX OF SHEETS
S.N. 090-0108 & 090-0109**

SHEET NO. 1 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5BJI-3	PEORIA/TAZEWELL	93	66
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



ELEVATION

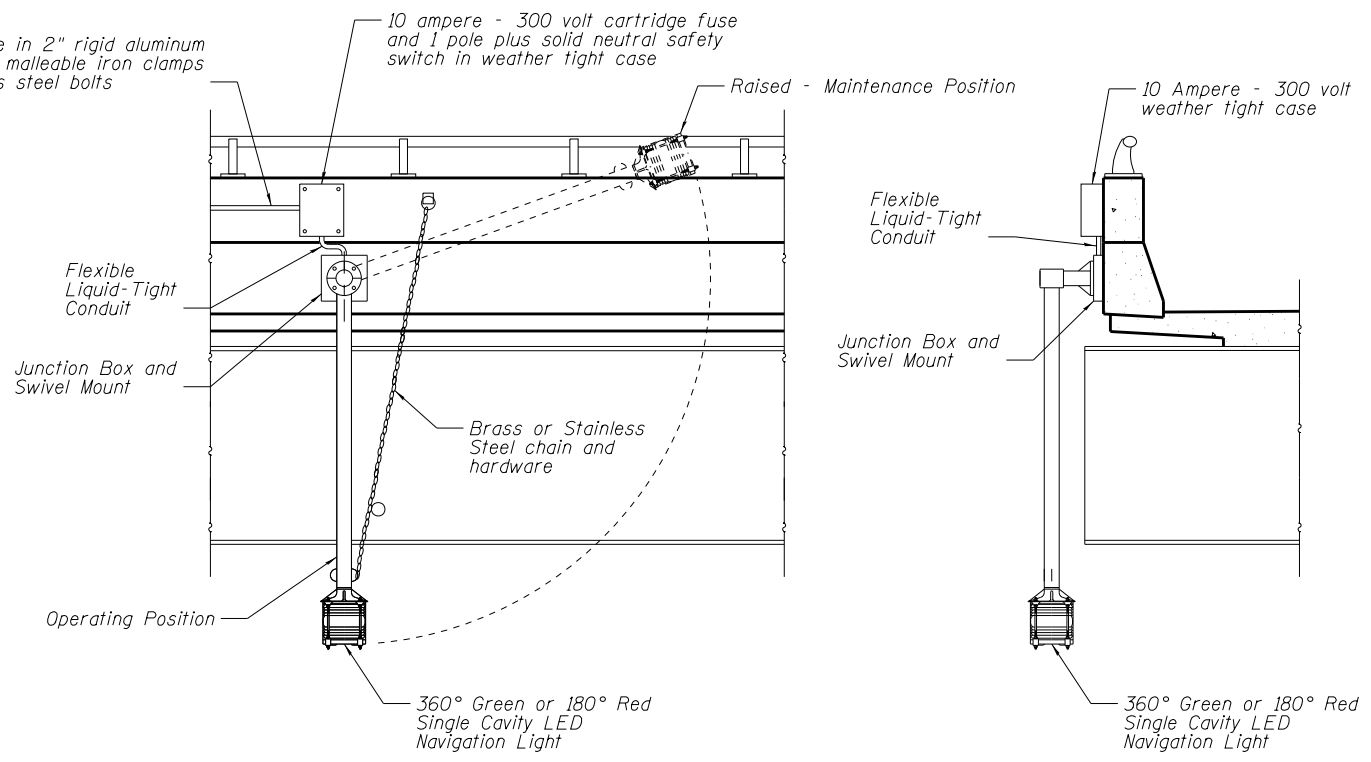


PLAN

Key Notes:

- ① 180° Red Pier Light with Pivot and Chain. Replace assembly with new assembly with LED luminaire.
- ② 360° Green Channel Marker Light with Pivot and Chain. Replace assembly with new assembly with LED luminaire.
- ③ 180° Red Pier Light Mounted on Protection Cells. Replace assembly with new assembly with LED luminaire.

Feeder Cable in 2" rigid aluminum conduit with malleable iron clamps and stainless steel bolts



NAVIGATION LIGHT DETAILS

NOTES

- 1. All existing cabling and liquid-tight flexible conduit associated with the navigation lighting system shall be replaced. The new cabling shall consist of 1-120V circuit to each structure, with 2-1/C #6 and 1-1/C #6 ground.
- 2. The existing navigation lighting controller and service installation shall be removed and replaced. The new controller shall be tied into the existing conduit runs to the EB and WB structures (see General Notes on Sheet L-1).

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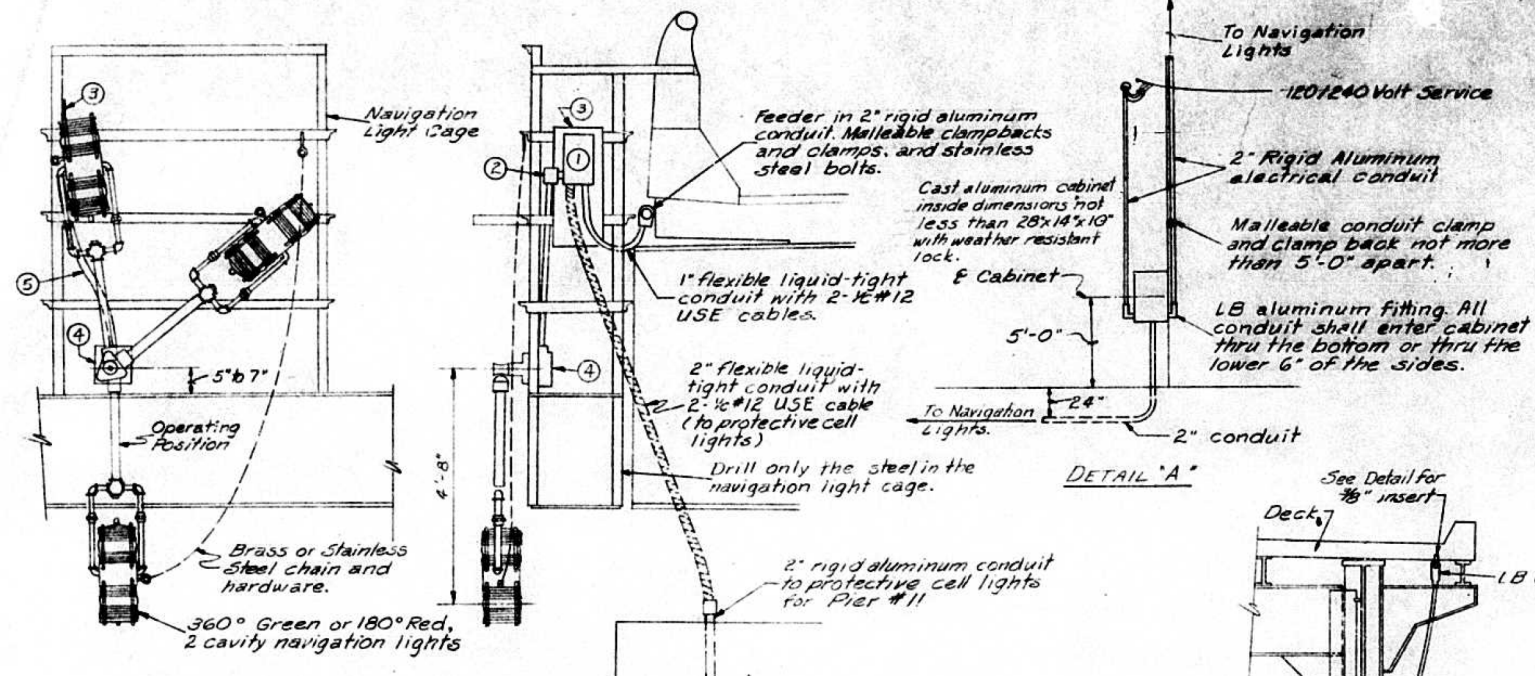
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**NAVIGATION LIGHTING PLAN
PIERS 9 & 10, EASTBOUND AND WESTBOUND**

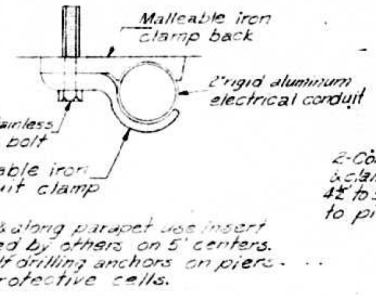
SHEET NO. 2 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEORIA/TAZEWELL	93	67
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

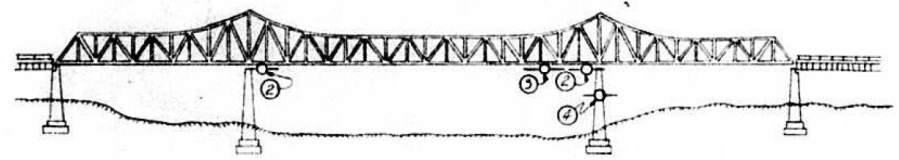


- 10 ampere-300 volt cartridge fuse and 1 pole plus solid neutral safety switch in weatherlight case fuse.
- Changeover relay.
- 3/8" aluminum mounting panel fastened to cage with stainless steel bolts, flat washers, and self-locking nuts.
- Malleable iron or cast aluminum junction box.
- 1" rigid aluminum or liquid tight flexible conduit with #12 type USE cables.

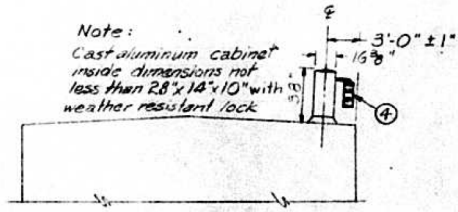
NAVIGATION LIGHT DETAILS



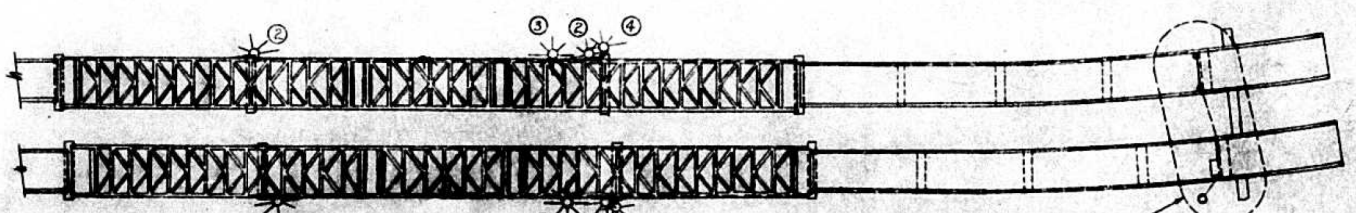
INSERT DETAILS



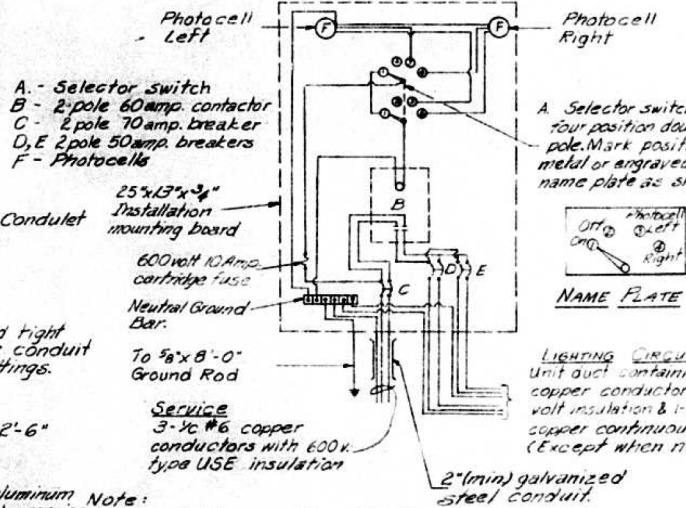
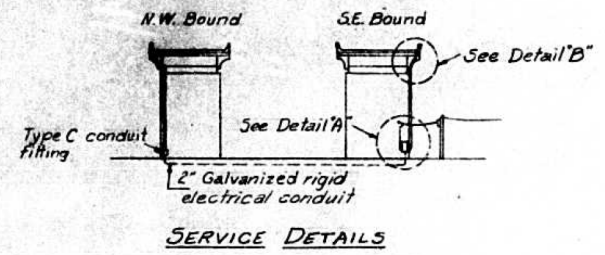
LOCATION PLAN - ELEVATION



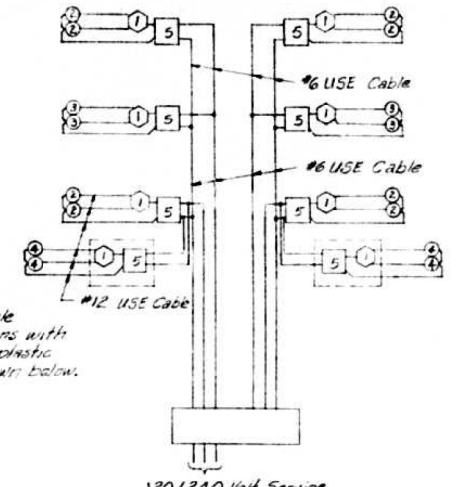
PIER PROTECTION CELL



LOCATION PLAN - TOP VIEW

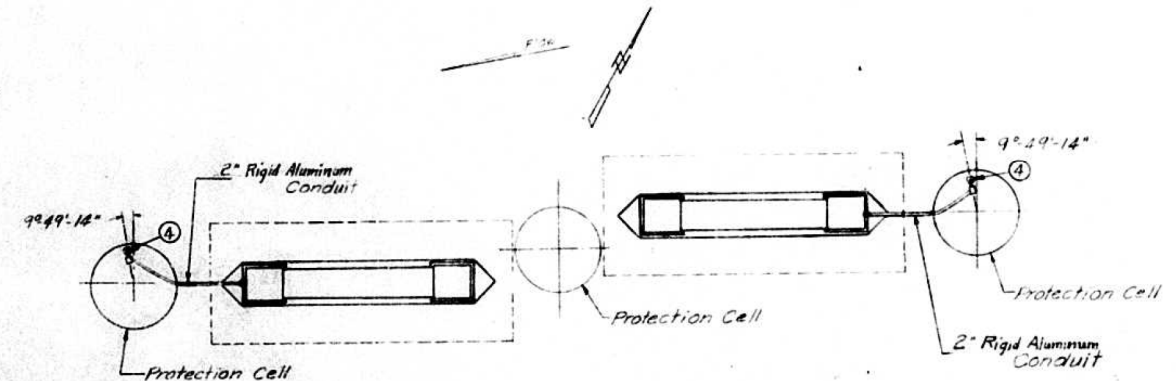


WIRING DIAGRAM



- Changeover relay to energize auxiliary lamp.
- 180° red pier light and 180° red auxiliary pier light with pivot and chain.
- 360° green channel marker light and 360° green auxiliary light with pivot and chain.
- 180° red pier light and 180° red auxiliary pier light mounted with cabinet on protection cells.
- 10 ampere, 300 volt cartridge fuse and 1 pole plus solid neutral switch in weatherproof housing.

CABINET ON PROTECTIVE CELL



FOR INFORMATION ONLY

NAVIGATION LIGHTING DETAILS
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (72-90)5D
PEORIA & TAZEWELL COUNTIES

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs Nov. Lighting\68B00-003-NAV-LCT-PLAN-L3.dgn

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DRAWN -	REVISD
CHECKED -	REVISD








STATE OF ILLINOIS
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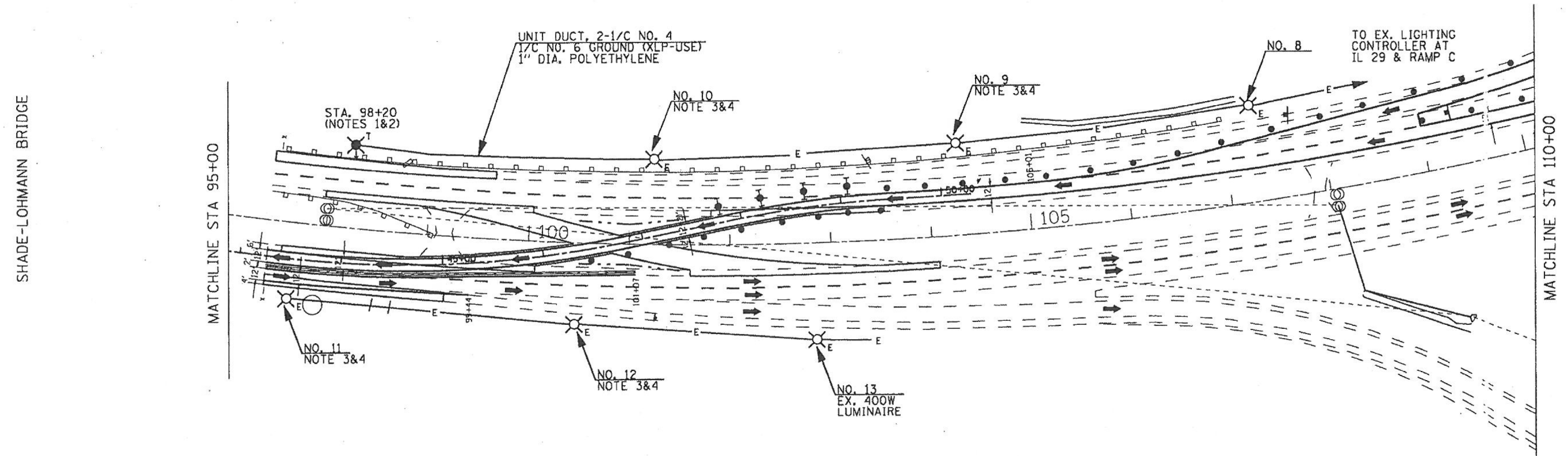
NAVIGATION LIGHTING PLAN
PIERS 9 & 10, EASTBOUND AND WESTBOUND

SHEET NO. 3 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72,90)5BII-3	PEORIA/TAZEWELL	93	68
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

- LEGEND**
-  TEMPORARY LIGHTING UNIT, 60 FT. WOOD POLE, CLASS 3 WITH 400W HPS MULTIMOUNT LUMINAIRE
 -  AERIAL CABLE, 2-1/2 NO. 1/0, ALUMINUM WITH MESSENGER WIRE
 -  ELECTRIC CABLE IN TRENCH, 600V (TRIPLEXED), 2-1/2 NO. 4/0 AND 1-1/2 NO. 2/0 GROUND
 -  EXISTING LIGHTING UNIT
 -  EXISTING UNIT DUCT
 -  TEMPORARY WOOD POLE, 30 FT., CLASS 5
 -  LIGHTING CONTROLLER (SPECIAL)



SCHEDULE OF QUANTITIES - TEMPORARY LIGHTING (TAZEWELL COUNTY APPROACH)

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNIT DUCT, 600V, 2-1/2 NO. 4, 1/2 NO. 6 GROUND, (XLP-TYPE USE), 1" DIA POLY	FOOT	360.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	360.0
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	4.0
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	5.0
LIGHT POLE, WOOD, 60 FOOT, CLASS 3	EACH	1.0
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	1.0








- NOTES (TAZEWELL COUNTY APPROACH)**
- TEMPORARY WOOD POLES SHALL BE SIZED TALLER AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 50 FT. LUMINAIRE MOUNTING HEIGHT.
 - TEMPORARY WOOD POLES SHALL BE SET BACK A MINIMUM OF 30 FT. FROM THE EXISTING EDGE OF PAVEMENT OR 4 FEET BEHIND GUARD RAIL OR TEMPORARY BARRIER.
 - THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING 250W LUMINAIRE WITH PROPOSED 400W HPS MULTI-MOUNT LUMINAIRE. THE CONTRACTOR SHALL DELIVER THE EXISTING LUMINAIRES TO THE IDOT MAINTENANCE YARD LOCATED AT 6500 W. ROUTE 150, EDWARDS, IL. THE CONTRACTOR SHALL CONTACT PAUL GRANT AT (309) 671-4474 FORTY EIGHT HOURS PRIOR TO DELIVERY. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT.
 - AT THE END OF THE CONTRACT, THE CONTRACTOR SHALL REMOVE THE 400 WATT LUMINAIRE AND INSTALL NEW 250 WATT LUMINAIRE. THE CONTRACTOR SHALL DELIVER THE 400 WATT LUMINAIRES TO THE IDOT MAINTENANCE YARD LOCATED AT 6500 W. ROUTE 150, EDWARDS, IL. THE CONTRACTOR SHALL CONTACT PAUL GRANT AT (309) 671-4474 FORTY EIGHT HOURS PRIOR TO DELIVERY. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT.

FILE NAME: Stage 1 sheets East & West.dgn	USER NAME: hove.usr	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHTING PLAN STAGES 1 AND 2 (TAZEWELL COUNTY APPROACH)	F.A.I. RTE.: 474	SECTION: (172, 90)5B11-2	COUNTY: PEORIA-TAZEWELL	TOTAL SHEETS: 129/112
PLOT SCALE: 1/8" = 1'-0"	PLOT DATE: 2/11/2011	DRAWN: -	REVISIONS: -		SCALE: TEMP LIGHTING SHEET 4 OF 6 STA. TO STA.	CONTRACT NO. 68069 ILLINOIS FED. AID PROJECT			

DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PUBLIC WORKS	TEMPORARY ROADWAY LIGHTING PLAN	F.A.I. RTE.: 474	SECTION: (172,90)5B11-3	COUNTY: PEORIA/TAZEWELL	TOTAL SHEETS: 93	SHEET NO.: 69
CHECKED: -	REVISIONS: -			CONTRACT NO. 68B00 ILLINOIS FED. AID PROJECT				
DRAWN: -				SHEET NO. 4 OF 7 SHEETS				
CHECKED: -								

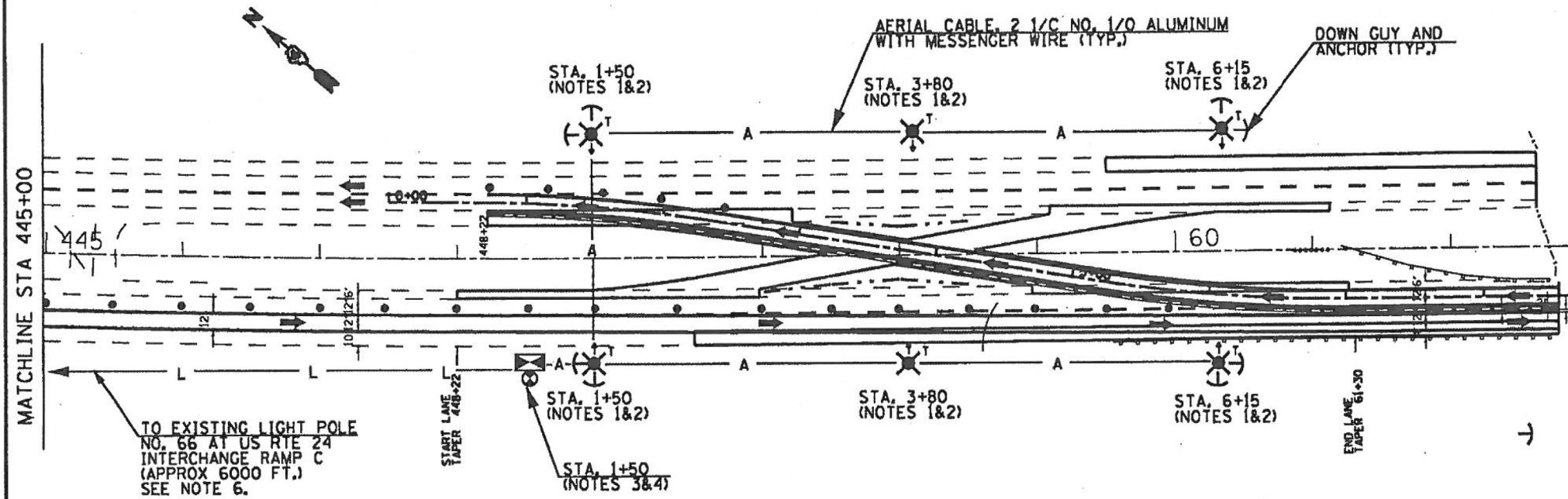
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LEGEND

-  TEMPORARY LIGHTING UNIT, 60 FT. WOOD POLE, CLASS 3 WITH 400W HPS MULTIMOUNT LUMINAIRE (ARROW INDICATES LUMINAIRE AIMING DIRECTION)
-  AERIAL CABLE, 2-1/2 NO. 1/0, ALUMINUM WITH MESSENGER WIRE
-  ELECTRIC CABLE IN TRENCH, 600V (TRIPLEXED), 2-1/2 NO. 4/0 AND 1-1/2 NO. 2/0 GROUND
-  EXISTING LIGHTING UNIT
-  EXISTING UNIT DUCT
-  TEMPORARY WOOD POLE, 30 FT., CLASS 5
-  LIGHTING CONTROLLER (SPECIAL)

SCHEDULE OF QUANTITIES - TEMPORARY LIGHTING (PEORIA COUNTY APPROACH)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
AERIAL CABLE, 2-1/2 NO. 1/0 WITH MESSENGER WIRE	FOOT	1300.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6000.0
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	6.0
LIGHT POLE, WOOD, 60 FOOT, CLASS 3	EACH	6.0
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	6.0
LIGHTING CONTROLLER, SPECIAL	EACH	1.0
ELECTRIC CABLE IN TRENCH, 600V, 2-1/2 NO. 4/0 AND 1/2 NO. 2/0 GROUND	FOOT	6000.0
LIGHT POLE, WOOD, 30 FOOT, CLASS 5	EACH	1.0

ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE - TEMPORARY LIGHTING		
GIVEN CONDITIONS		
ROADWAY DATA:	Pavement Width	24 FT
	Number Of Lanes	2
	Median Width	FT
	IES Surface Classification	R3
LIGHT POLE DATA:	Mounting Height	50 FT
	Mast Arm Length	FT
	Pole Set-Back From Edge Of Pavement	30 FT
	Luminaire Overhang Over Edge Of Pavement Lane	-30 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50000
	IES Vertical Distribution	M
	IES Control Of Distribution	NC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	260 FT
	Configuration	One Side
	Luminaire Overhang Over Edge Of Pavement Lane	-30 FT
NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.		
PERFORMANCE REQUIREMENTS		
NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.		
ILLUMINATION:	Average Horizontal Illumination, (E _{Av})	0.80 fc
	Uniformity Ratio, (E _{Av} /E _{Min})	3.0
LUMINANCE:	Average Luminance: (L _{Av})	0.80 Cd/m ²
	Uniformity Ratios: (L _{Av} /L _{Min})	3.5
	(L _{Max} /L _{Min})	6.0
	Maximum Veiling Luminance Ratio: (L _v /L _{Av})	0.3



FOR INFORMATION ONLY

TEMPORARY LIGHTING GENERAL NOTES			
1.	CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.		
2.	CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVERHEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION, ETC. OF ANY UTILITIES SHALL BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.		
3.	THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED IN THE BID PRICE FOR THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK".		
4.	NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHT TIME OPERATION WITHOUT APPROVAL OF THE ENGINEER.		
5.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROPOSED LIGHTING SYSTEM UNTIL THE CROSSOVERS ARE REMOVED AND THE LIGHTING SYSTEM IS NO LONGER NEEDED. ANY MAINTENANCE OF THE EXISTING LIGHTING SYSTEM SHALL BE PAID IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.		

NOTES (PEORIA COUNTY APPROACH)	
1.	TEMPORARY WOOD POLES SHALL BE SIZED TALLER AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 50 FT. LUMINAIRE MOUNTING HEIGHT.
2.	TEMPORARY WOOD POLES SHALL BE SET BACK A MINIMUM OF 30 FT. FROM THE EXISTING EDGE OF PAVEMENT OR 4 FEET BEHIND GUARD RAIL OR TEMPORARY BARRIER.
3.	LOCATE POLE ADJACENT TO ACCESS FENCE.
4.	THE CONTRACTOR SHALL REMOVE THE CROSSOVER LIGHTING AT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL REMOVE THE WOOD POLES AND AERIAL CABLE ONLY. THE SERVICE POLE AND LIGHTING CONTROLLER SHALL REMAIN IN PLACE AND BECOME THE PROPERTY OF THE DEPARTMENT.
5.	THE 400W LUMINAIRES SHALL BE SALVAGED AND DELIVERED TO THE IDOT MAINTENANCE YARD LOCATED AT 6500 W. ROUTE 150, EDWARDS, IL IN ACCORDANCE WITH ARTICLE 842.03. THE CONTRACTOR SHALL CONTACT PAUL GRANT AT (309) 671-4474 FORTY EIGHT HOURS PRIOR TO DELIVERY. ALL OTHER TEMPORARY LIGHTING FACILITIES SHALL BE REMOVED AND DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
6.	THE COST TO CONNECT THE PROPOSED CABLE TO THE EXISTING LIGHTING CIRCUIT IN POLE HANG HOLE SHALL BE INCLUDED IN THE COST OF THE PROPOSED CABLE. THE CONTRACTOR SHALL UTILIZE APPROPRIATE ALUMINUM TO COPPER CABLE SPLICE AS APPROVED BY THE ENGINEER.

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\Nov. Lighting\68800-003-NAV-LCT-PLAN-L5.dgn

FILE NAME	USER NAME	DESIGNED	REVISED
FILE#	#USER#	DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN STAGES 1 AND 2 (PEORIA COUNTY APPROACH)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: TEMP LIGHTING SHEET 3 OF 6 STA. TO STA.		474	(72,90)5BII-2	PEORIA-TAZEWELL	79	113
		CONTRACT NO. 68069		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

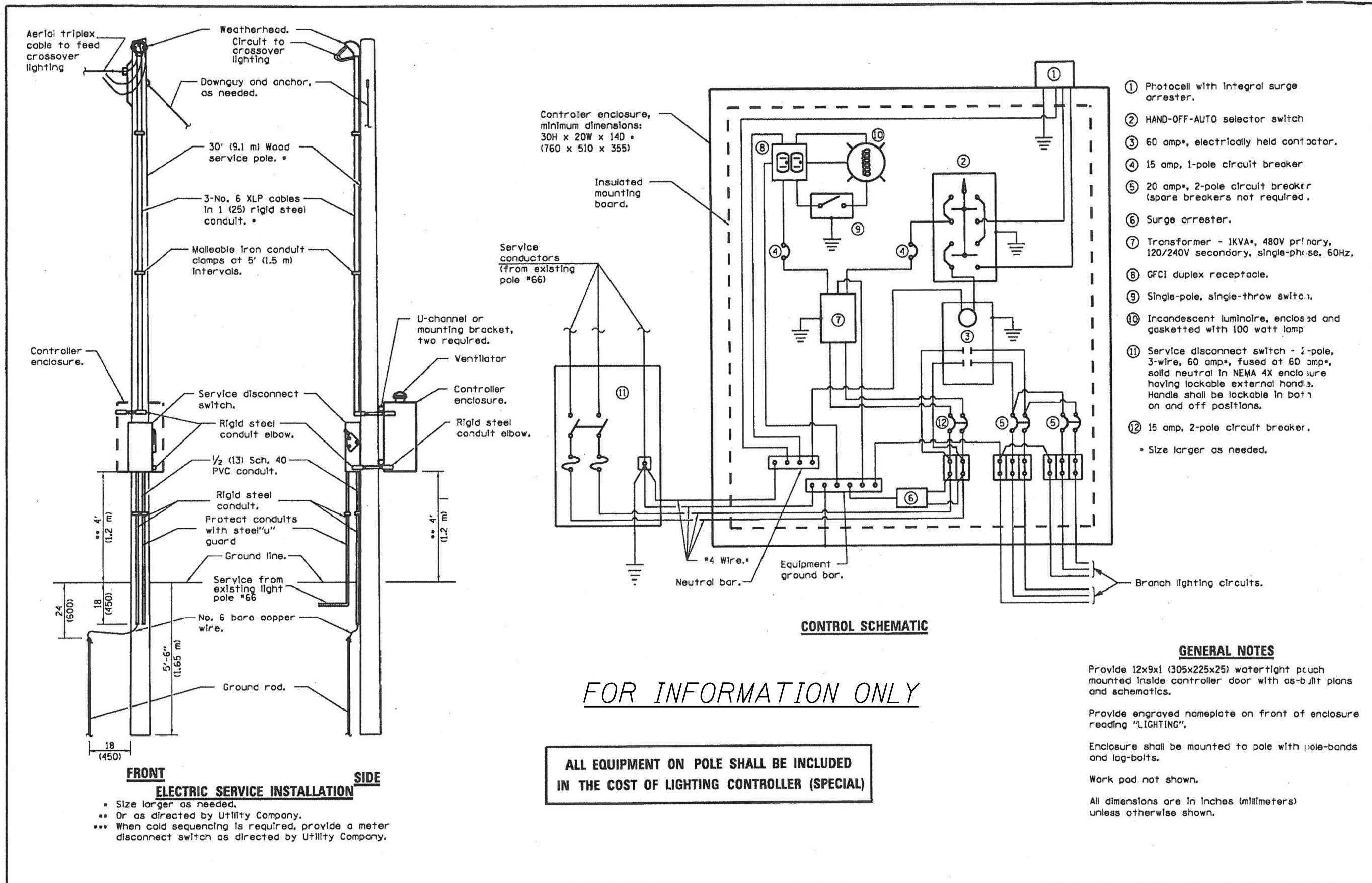
TEMPORARY ROADWAY LIGHTING PLAN

SHEET NO. 5 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72,90)5BII-3	PEORIA/TAZEWELL	93	70
CONTRACT NO. 68000				
ILLINOIS FED. AID PROJECT				

L-5

FILE NAME = J:\2014\6035\Cadd\Design\Bridges\Repair\Plans\From_Jacobs\Nov. Lighting\68B00-003-NAV-LCT-PLAN-L6.dgn



FRONT SIDE
ELECTRIC SERVICE INSTALLATION

- Size larger as needed.
- ** Or as directed by Utility Company.
- *** When cold sequencing is required, provide a meter disconnect switch as directed by Utility Company.

ALL EQUIPMENT ON POLE SHALL BE INCLUDED IN THE COST OF LIGHTING CONTROLLER (SPECIAL)

CONTROL SCHEMATIC

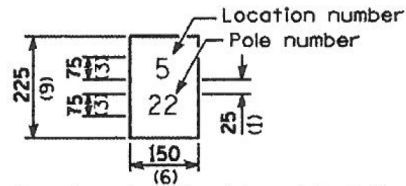
- ① Photocell with integral surge arrester.
 - ② HAND-OFF-AUTO selector switch
 - ③ 60 amp*, electrically held contactor.
 - ④ 15 amp, 1-pole circuit breaker
 - ⑤ 20 amp*, 2-pole circuit breaker (spare breakers not required).
 - ⑥ Surge arrester.
 - ⑦ Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.
 - ⑧ GFCI duplex receptacle.
 - ⑨ Single-pole, single-throw switch.
 - ⑩ Incandescent luminaire, enclosed and gasketed with 100 watt lamp
 - ⑪ Service disconnect switch - 2-pole, 3-wire, 60 amp*, fused at 60 amp*, solid neutral in NEMA 4X enclosure having lockable external handle. Handle shall be lockable in both on and off positions.
 - ⑫ 15 amp, 2-pole circuit breaker.
- * Size larger as needed.

GENERAL NOTES

- Provide 12x9x1 (305x225x25) watertight patch mounted inside controller door with as-built plans and schematics.
- Provide engraved nameplate on front of enclosure reading "LIGHTING".
- Enclosure shall be mounted to pole with pole-bands and lag-bolts.
- Work pad not shown.
- All dimensions are in inches (millimeters) unless otherwise shown.

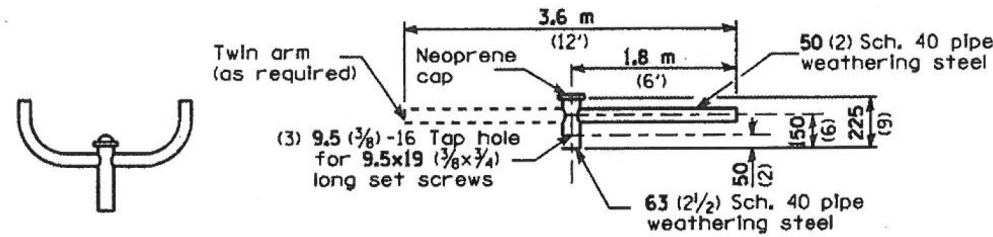
FILE NAME #PRL#	USER NAME #USER#	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER (SPECIAL) DETAIL	F.A.I. RTE. 474	SECTION 1172,905B11-2	COUNTY PEORIA/TAZEWELL	TOTAL SHEETS 129	SHEET NO. 111
PLOT SCALE #SCALE#	CHECKED ---	REVISED ---	SCALE			TEMP LIGHTING SHEET 6 OF 6	STA.	TO STA.	CONTRACT NO. 68069	
PLOT DATE #DATE#	DATE ---	REVISED ---	ILLINOIS FED. AID PROJECT							

DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PUBLIC WATERS	TEMPORARY ROADWAY LIGHTING DETAILS	F.A.I. RTE. 474	SECTION 1172,905B11-3	COUNTY PEORIA/TAZEWELL	TOTAL SHEETS 93	SHEET NO. 71	
CHECKED ---	REVISED ---			CONTRACT NO. 68B00					
DRAWN ---	REVISED ---			ILLINOIS FED. AID PROJECT					
CHECKED ---	REVISED ---			SHEET NO. 6 OF 7 SHEETS					



The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

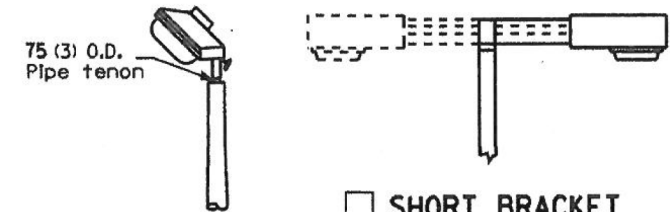
The light pole identification shall be applied to sign base material as specified in section 1069.06 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 720001.



TWIN TENON

TENON MOUNT BRACKET ARM

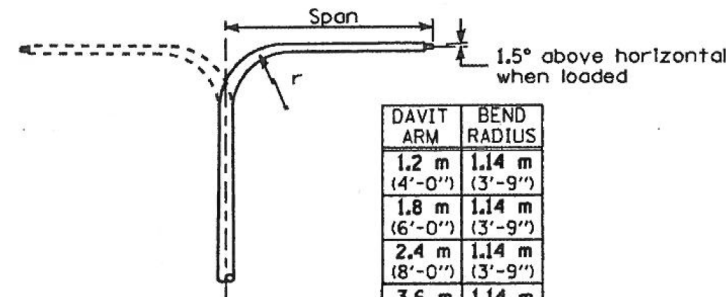
NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



TENON

SHORT BRACKET

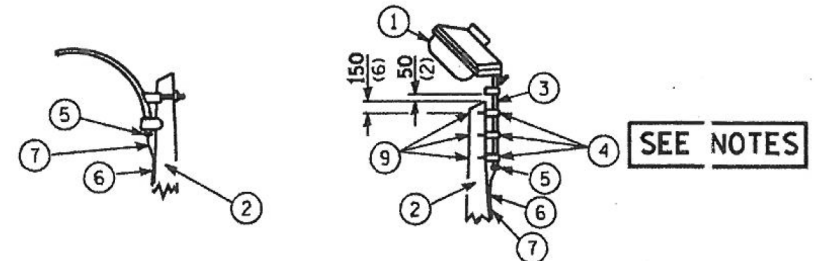
SHORT BRACKET - TWIN



DAVIT ARM

DAVIT ARM-TWIN

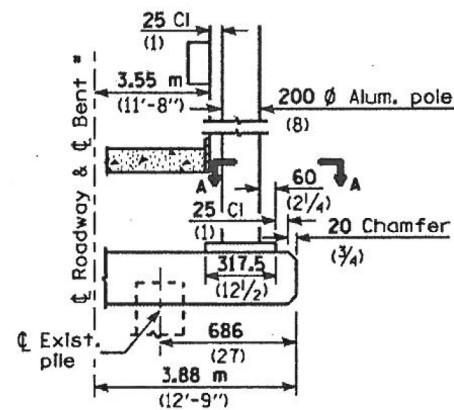
DAVIT ARM	BEND RADIUS
1.2 m (4'-0")	1.14 m (3'-9")
1.8 m (6'-0")	1.14 m (3'-9")
2.4 m (8'-0")	1.14 m (3'-9")
3.6 m (12'-0")	1.14 m (3'-9")



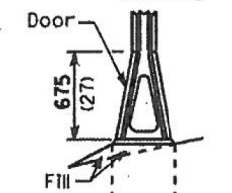
MAST ARM

TENON

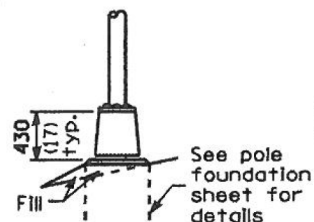
- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type use cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



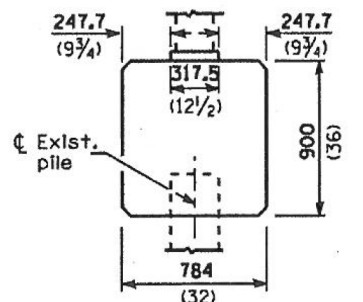
BENT
(Looking)



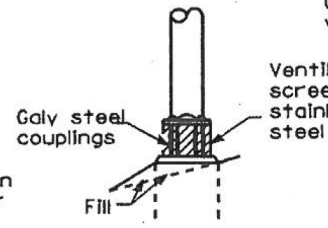
STAINLESS STEEL FLAIR BASE



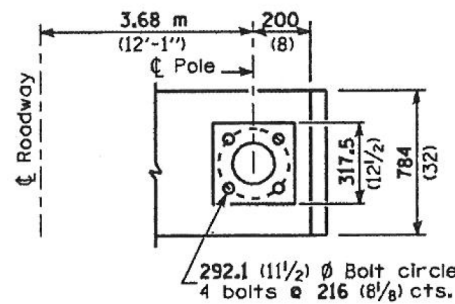
TRANSFORMER BASE



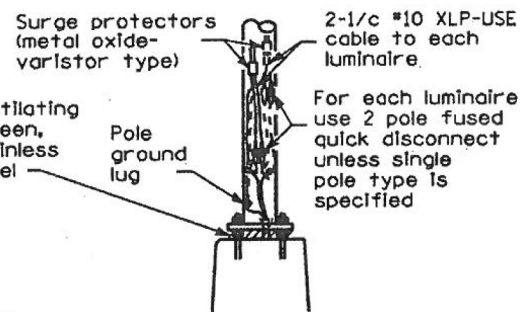
BRIDGE PIER MOUNT



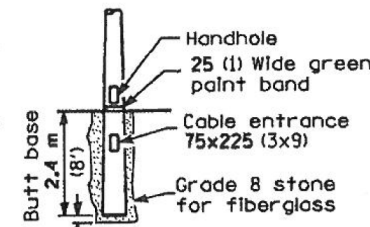
BREAKAWAY COUPLING



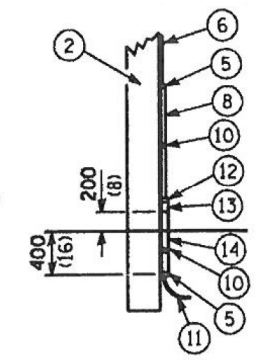
SECTION A-A



ANCHOR



BUTT BASE



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

All dimensions are in millimeters (inches) unless otherwise shown.

NOTES:
 1.) LUMINAIRES SHALL HAVE A 2-POLE IN-LINE WEATHERPROOF QUICK DISCONNECT FUSE HOLDER.
 2.) CONNECT LUMINAIRE EQUIPMENT GROUND TO ACSR MESSENGER.
 3.) THE COST OF INSTALLING THE TENON MOUNT AND ALL ASSOCIATED ITEMS SHOWN IN THE DETAIL ABOVE SHALL BE INCLUDED IN THE COST OF LIGHT POLE, WOOD, 60 FT, CLASS 3.

FOR INFORMATION ONLY

METAL OR CONCRETE

Details for underground distribution if required

FILE NAME = J:\2014\6035\Cadd\Design\Bridge Repair Plans\From Jacobs\Nov. Lighting\68B00-003-NAV-LCT-PLAN-L7.dgn

FILE NAME	USER NAME	DESIGNED	REVISED
#FILE#	#USER#	---	---
		DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,905B)I-2	PEORIA/TAZWELL	93	72

SCALE	TEMP LIGHTING SHEET 6 OF 6	STA.	TO STA.

DESIGNED	---	REVISED	---
CHECKED	---	REVISED	---
DRAWN	---	REVISED	---
CHECKED	---	REVISED	---

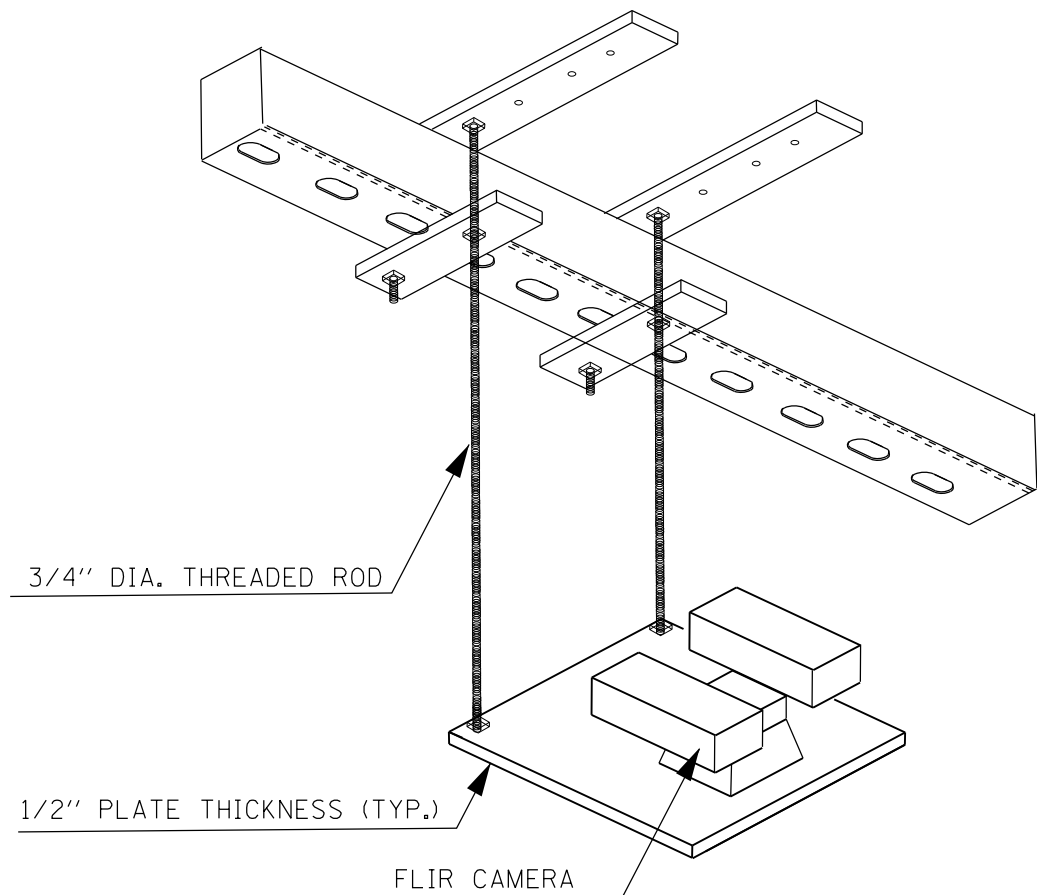
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

TEMPORARY ROADWAY LIGHTING DETAILS

SHEET NO. 7 OF 7 SHEETS

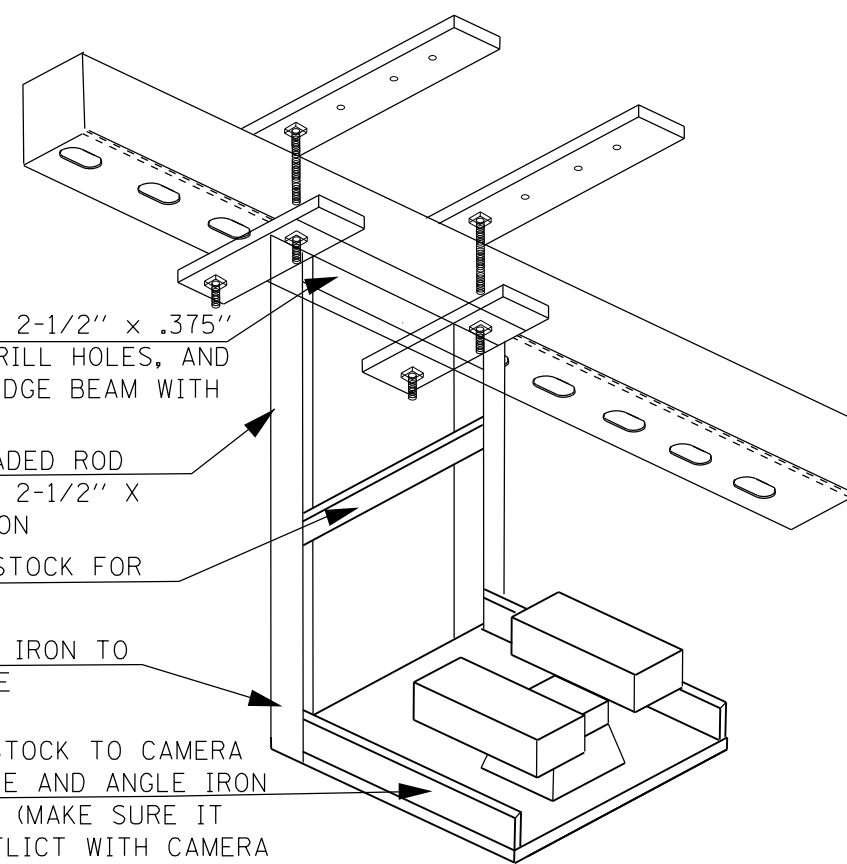
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,905B)I-3	PEORIA/TAZWELL	93	72

CONTRACT NO. 68B00
ILLINOIS FED. AID PROJECT



EXISTING CAMERA MOUNTING BRACKET

WELD 2-1/2" x 2-1/2" x .375" ANGLE IRON, DRILL HOLES, AND SECURE TO BRIDGE BEAM WITH THREADED ROD
 REPLACE THREADED ROD WITH 2 1/2" X 2-1/2" X 1/4" ANGLE IRON
 WELD 2" BAR STOCK FOR STABILIZER
 WELD ANGLE IRON TO STEEL PLATE
 WELD 2" BAR STOCK TO CAMERA MOUNTING PLATE AND ANGLE IRON ON BOTH SIDES (MAKE SURE IT DOES NOT CONFLICT WITH CAMERA MOVEMENT)

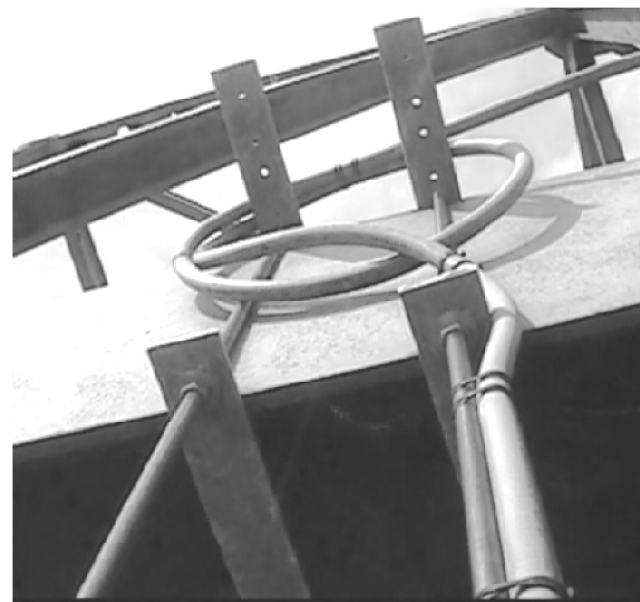


PROPOSED CAMERA MOUNTING BRACKET

1/8" THICK RUBBER PAD SHALL BE USED AT ALL LOCATIONS WHERE THE BRACKET IS IN CONTACT WITH THE BRIDGE BEAMS TO PREVENT DAMAGE TO THE PAINT AND TO MINIMIZE VIBRATION INDUCED MOVEMENT OF THE BRACKET ON THE BEAM.

MISC. ELECTRICAL WORK - 1.0 LSUM

THE CONTRACTOR SHALL REMOVE THE EXISTING CAMERA AND CAMERA BRACKET FROM THE EB I-474 STRUCTURE AND DISPOSE OF IT OFF SITE. THE CONTRACTOR SHALL FURNISH A NEW CAMERA BRACKET AS SHOWN ON THE PLAN DETAIL SHEET AND INSTALL THE BRACKET AND EXISTING CAMERA ON THE STRUCTURE. THE CONTRACTOR SHALL FURNISH HARDWARE, BRACKETS, AND ALL ITEMS REQUIRED TO INSTALL THE PROPOSED CAMERA BRACKET AND MOUNT THE EXISTING CAMERA TO THE BRACKET. THERE WILL BE NO ADDITIONAL PAYMENT FOR MINOR DEVIATIONS AND MODIFICATIONS TO THE PROPOSED BRACKET.



EXISTING CAMERA MOUNTING BRACKET

NOTES:

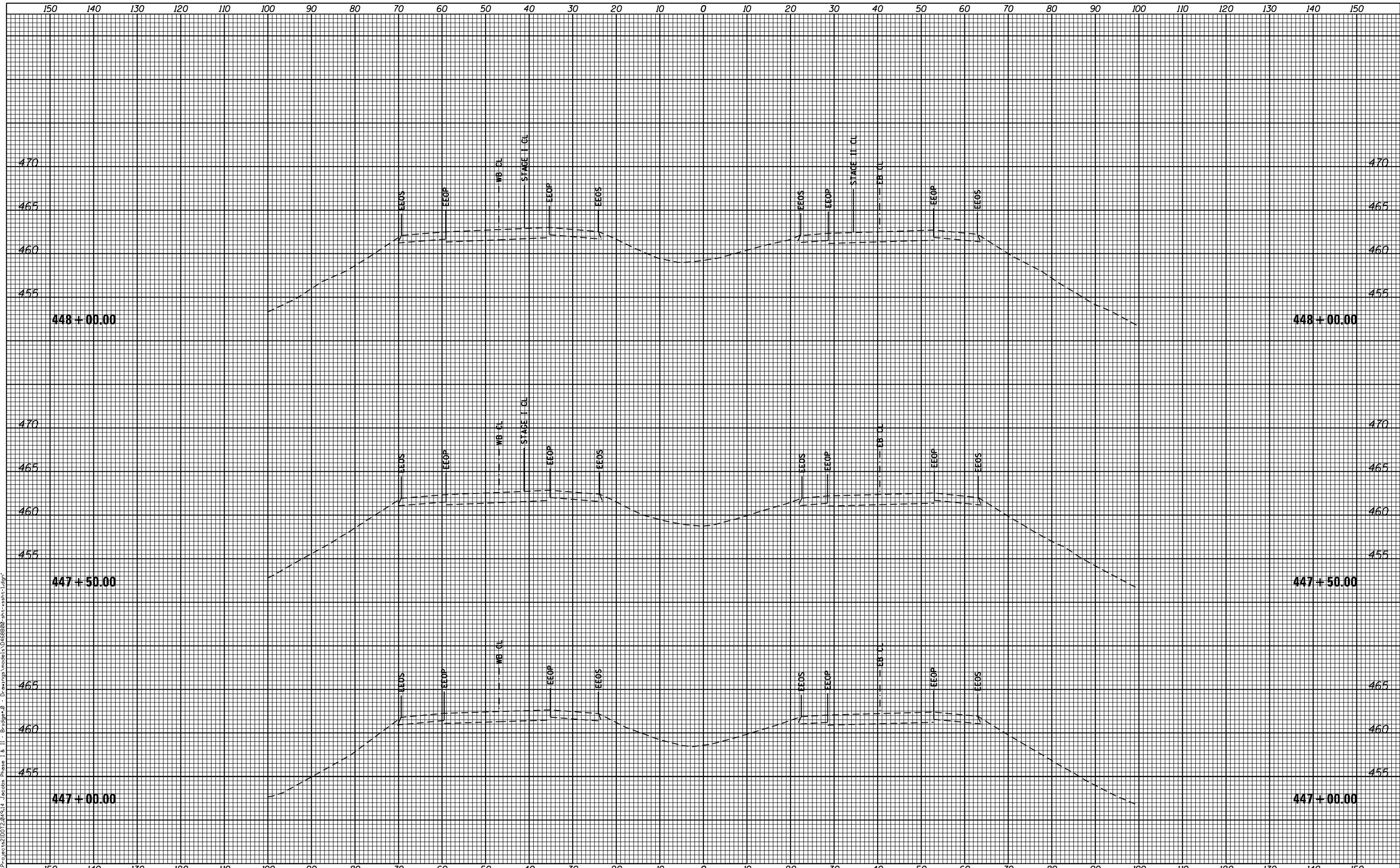
1. THE CONTRACTOR SHALL VERIFY AND FINALIZE ALL BRACKET DIMENSIONS. THE BRACKETS SHALL BE COMPATIBLE WITH EXISTING FIELD CONDITIONS.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING THAT THE BRACKET DIMENSIONS ARE CORRECT PRIOR TO RELEASING THE BRACKET FOR PRODUCTION.
3. ALL HARDWARE SHALL BE 1/2" DIAMETER STAINLESS STEEL (GRADE 18-8/304).
4. THE CONTRACTOR SHALL UTILIZE LOCK WASHERS WITH ALL NUTS.
5. THE CONTRACTOR SHALL UTILIZE THREAD LOCKER ON ALL THREADED CONNECTIONS.
6. ALL BRACKET COMPONENTS SHALL BE FULLY HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS (AASHTO M 111).
7. THERE WILL BE NO ADDITIONAL COMPENSATION FOR MINOR ADJUSTMENTS TO THE CAMERA MOUNTING BRACKETS THAT ARE REQUIRED FOR COMPATIBILITY WITH EXISTING FIELD CONDITIONS.
8. THE CONTRACTOR SHALL SUBMIT A COMPLETE PACKAGE (INCLUDING BRACKETS, HARDWARE, ATTACHMENT POINTS, ATTACHMENT METHODS, ETC.) TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

FILE NAME = Shade Lohman Camera Bracket.dgn	USER NAME = howalder	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS ELECTRICAL WORK DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		PLOT SCALE = 1/8" = 1'-0"	CHECKED -			CONTRACT NO. 68B00					
		PLOT DATE = 8/12/2016	DATE -			ILLINOIS FED. AID PROJECT					
					NOT TO SCALE	STA.	TO STA.				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = F:\Projects\DOT2014\14 Jacobs Phase I & II - Bridge\0 - Drawings\model\14688800-shr-wsht-1.dgn



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISED -
PLOT SCALE = 10"= 5'-0"	DRAWN - RJJ	REVISED -
PLOT DATE = 7/19/2016	CHECKED - JLH	REVISED -
	DATE - 07-01-16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

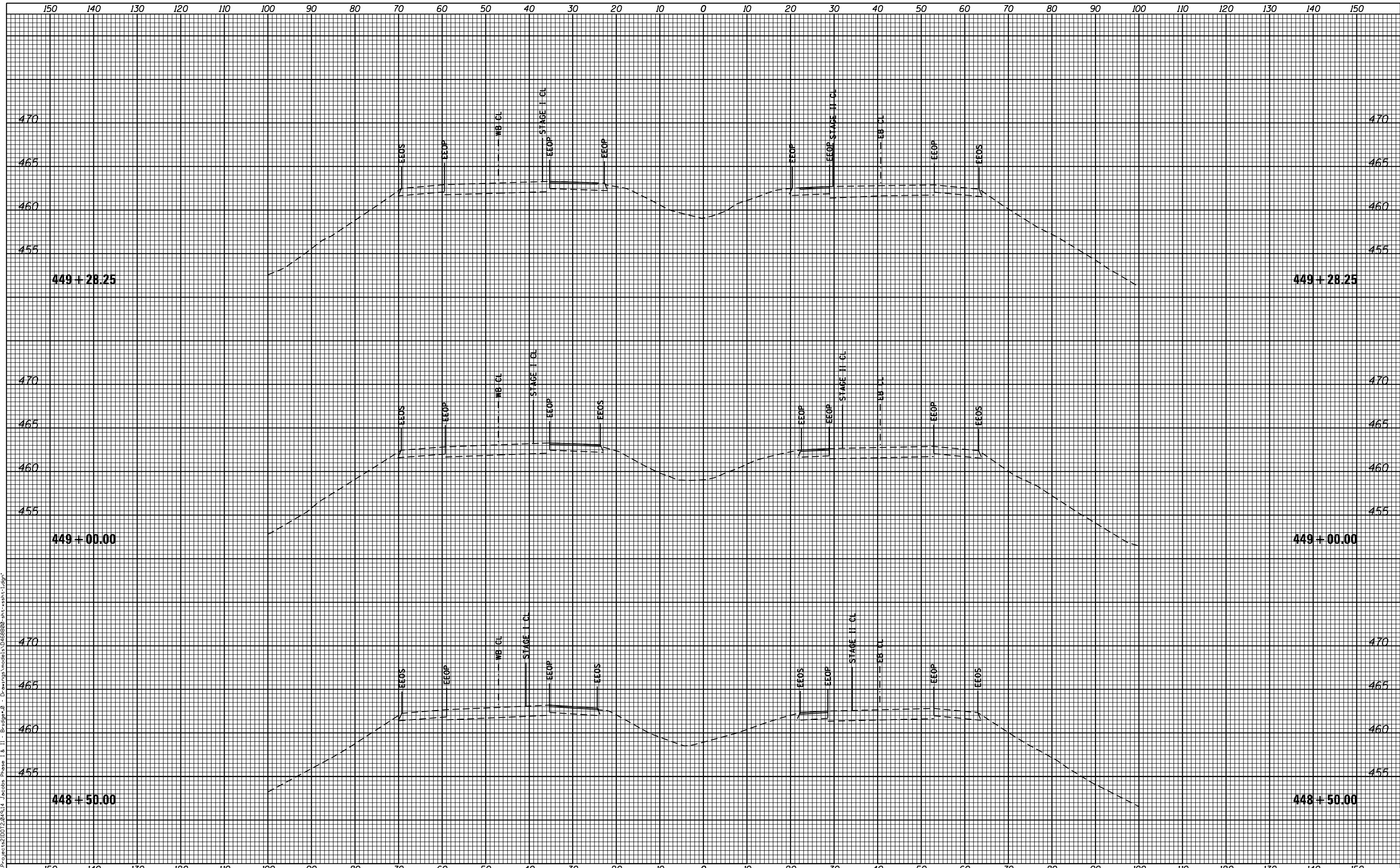
CROSS SECTIONS - WEST CROSSOVER				
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO-TAZ	93	74
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
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HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

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	DRAWN - RJJ	REVISED -
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PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER

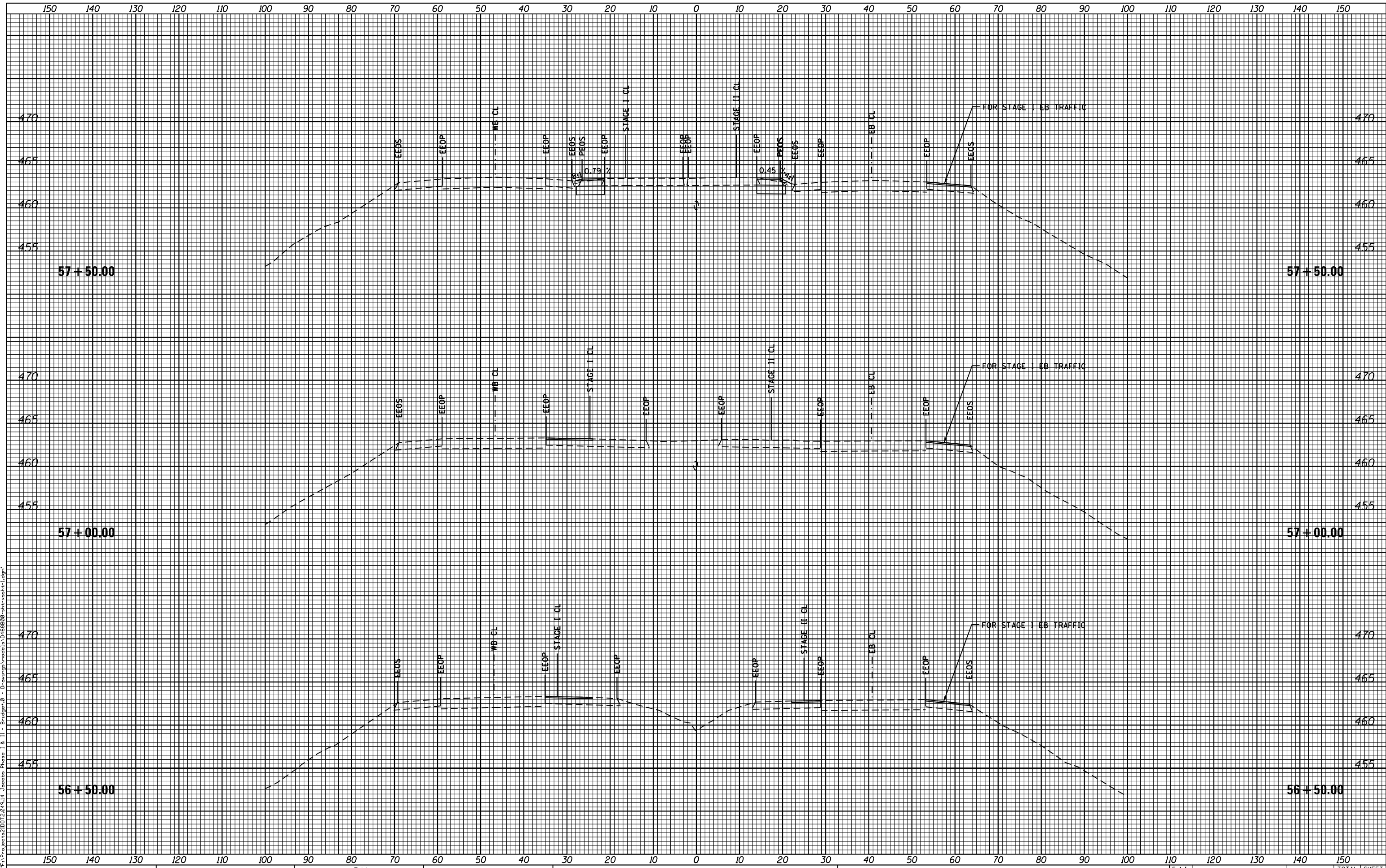
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO-TAZ	93	75
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

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	DRAWN - RJJ	REVISID -
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PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISID -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

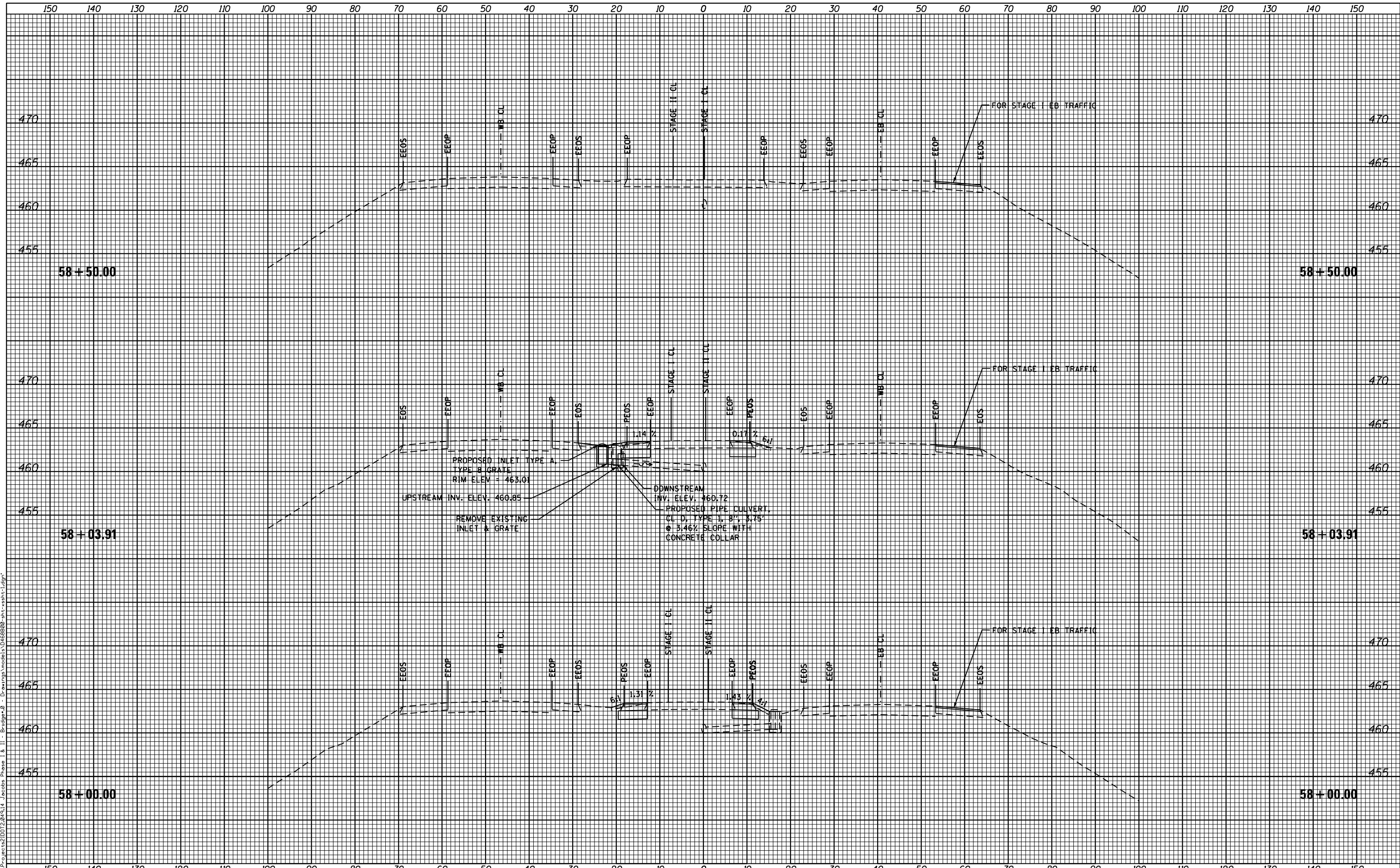
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			STA. 56+50.00	TO STA. 57+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO-TAZ	93	76
		CONTRACT NO.	68800	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

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HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

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	DRAWN - RJJ	REVISED -
PLOT SCALE = 10'H 5"V	CHECKED - JLH	REVISED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER

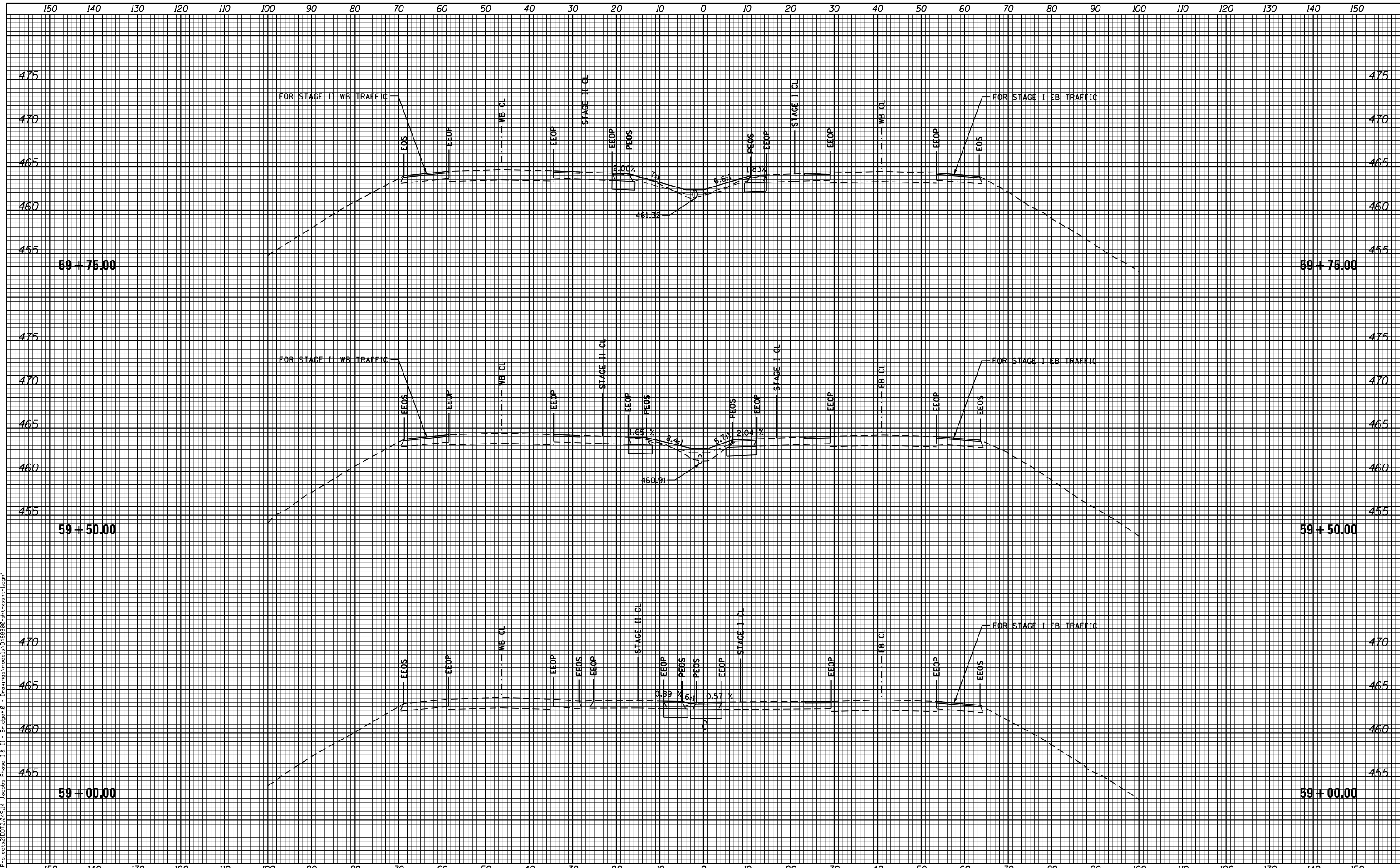
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,9015B)]-3	PEO-TAZ	93	77
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
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HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

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	DRAWN - RJJ	REVISIED -
PLOT SCALE = 10"=5'	CHECKED - JLH	REVISIED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER

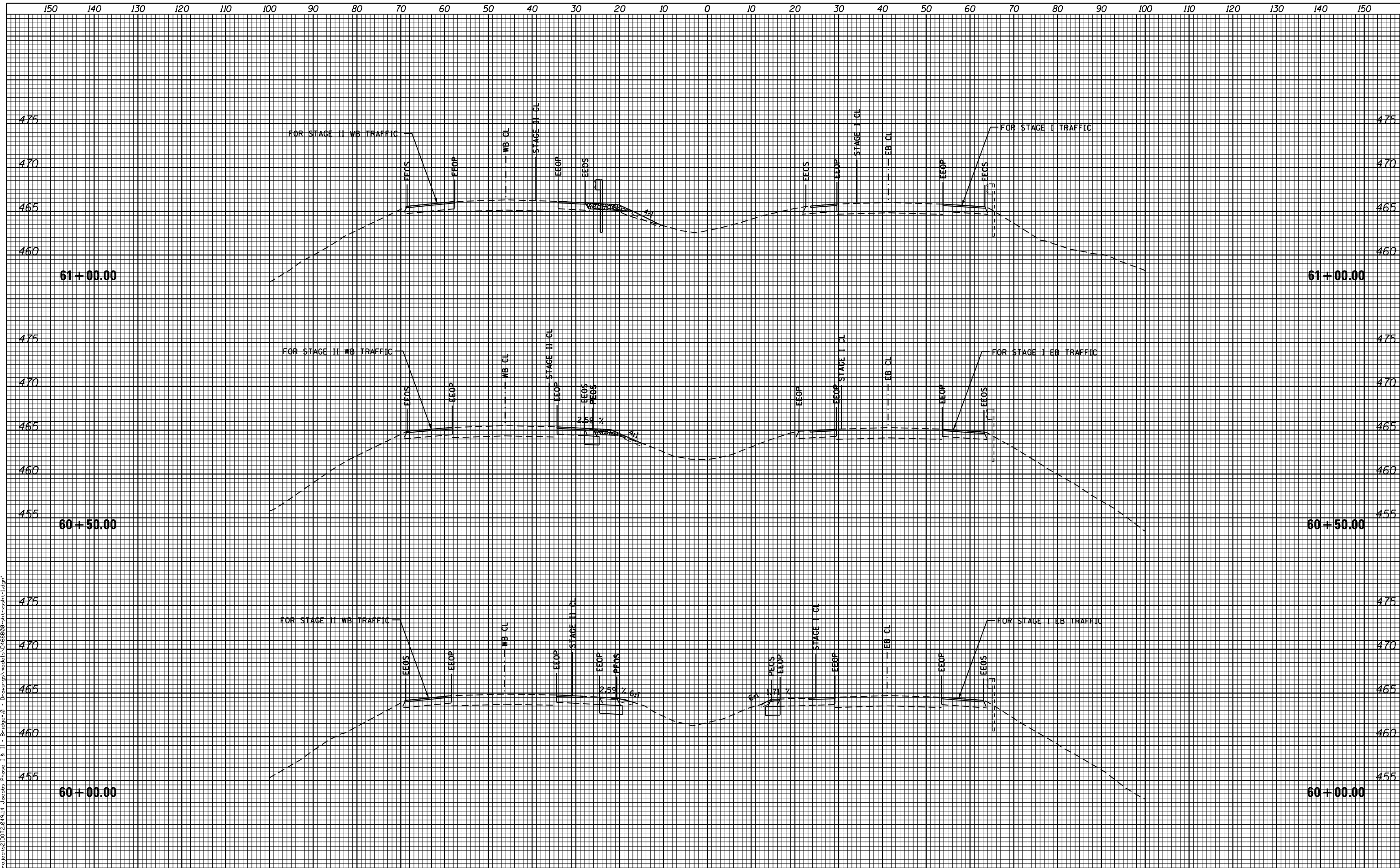
SCALE SHEET OF SHEETS STA. 59+00.00 TO STA. 59+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,9015B)]-3	PEO-TAZ	93	78
CONTRACT NO.			68B00	

ILLINOIS FED. AID PROJECT

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____



FILE NAME = F:\Projects\DOT2014\14 Jacobs Phase I & II - Bridge\B - Drawings\model\1468800-shr-wsht-1.dgn

HERMANN & ASSOCIATES, LLC
 CONSULTING ENGINEERS

USER NAME = JEFF
 DESIGNED - RJJ
 DRAWN - RJJ
 CHECKED - JLH
 DATE - 07-01-16

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER

SCALE: _____ SHEET _____ OF _____ SHEETS STA. 60+00.00 TO STA. 61+00.00

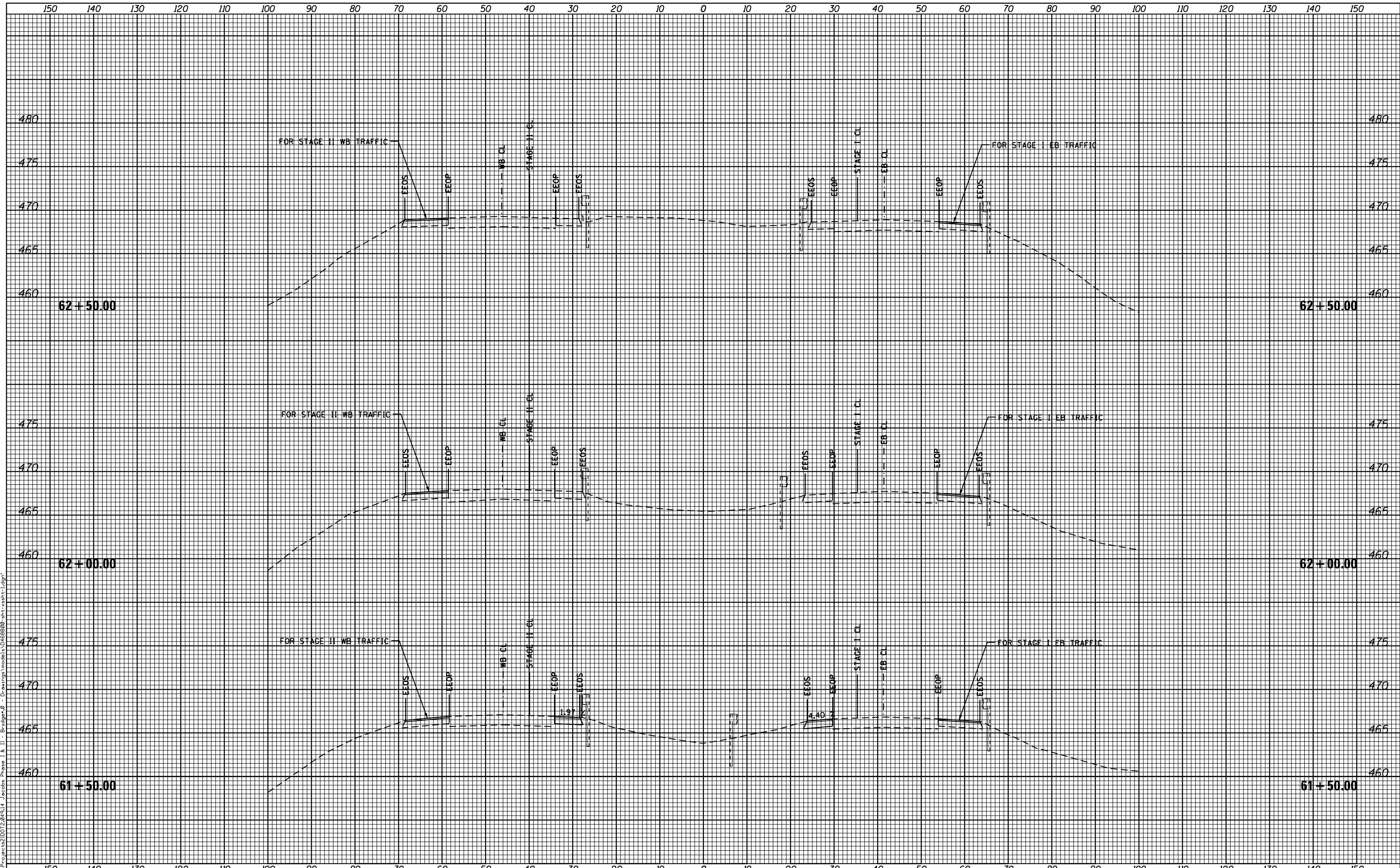
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO-TAZ	93	79
CONTRACT NO.			68B00	

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	

FILE NAME = F:\Projects\DOT2014\14 Jacobs Phase I & II - Bridge\0 - Drawings\model\14688800-shr-wsht-1.dgn



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISED -
	DRAWN - RJJ	REVISED -
PLOT SCALE = 10"=5'	CHECKED - JLH	REVISED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER

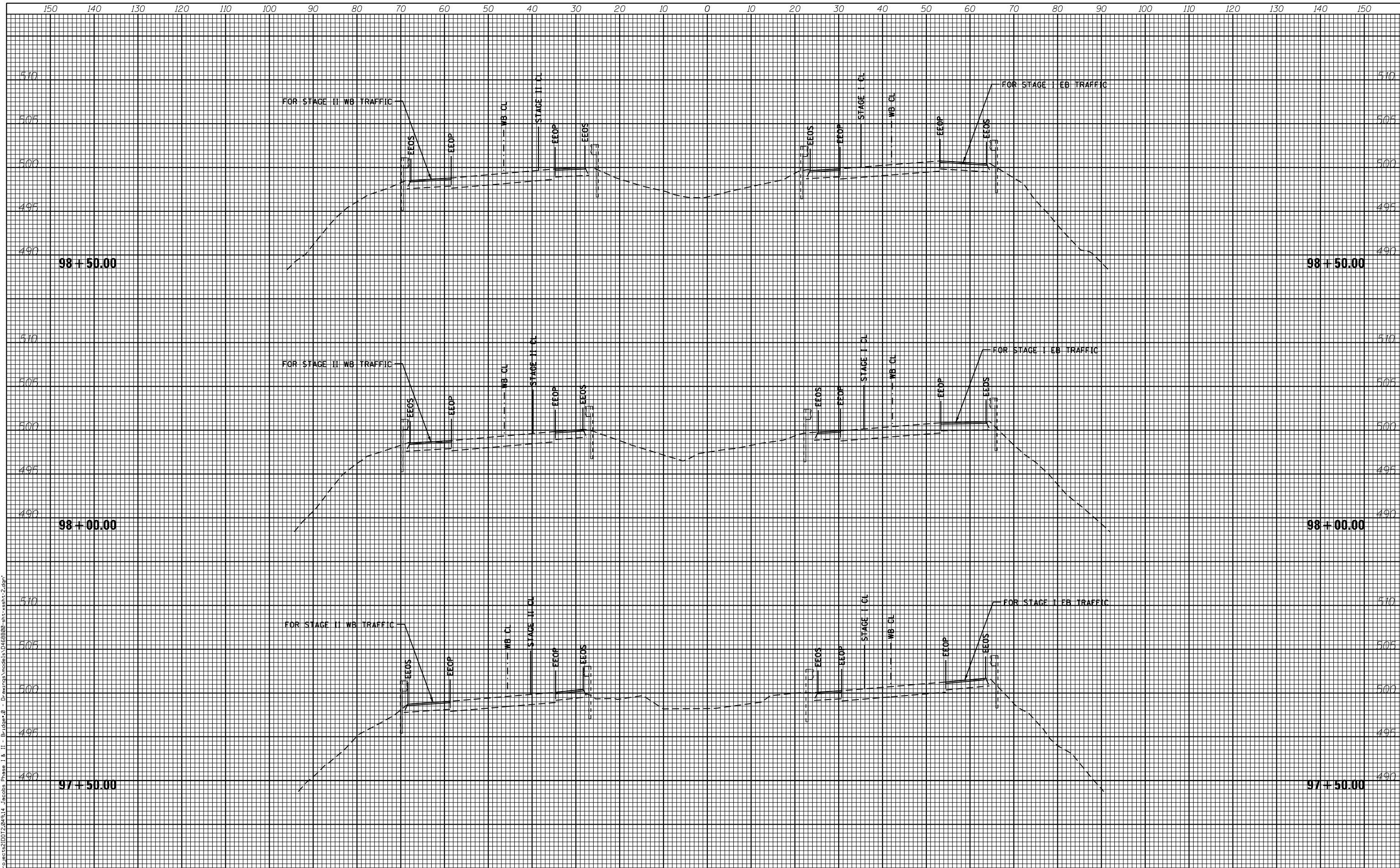
SCALE	SHEET	OF	SHEETS	STA. 61+50.00	TO STA. 62+50.00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,9015B)]-3	PEO-TAZ	93	80
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

FILE NAME = F:\P\Projects\21012\21014\14 Jacobs Phase I & II - Bridge.dwg - Drawing Model\1488880-ah-t-ssht-2.dgn



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISED -
	DRAWN - RJJ	REVISED -
PLOT SCALE = 10"=5'	CHECKED - JLH	REVISED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

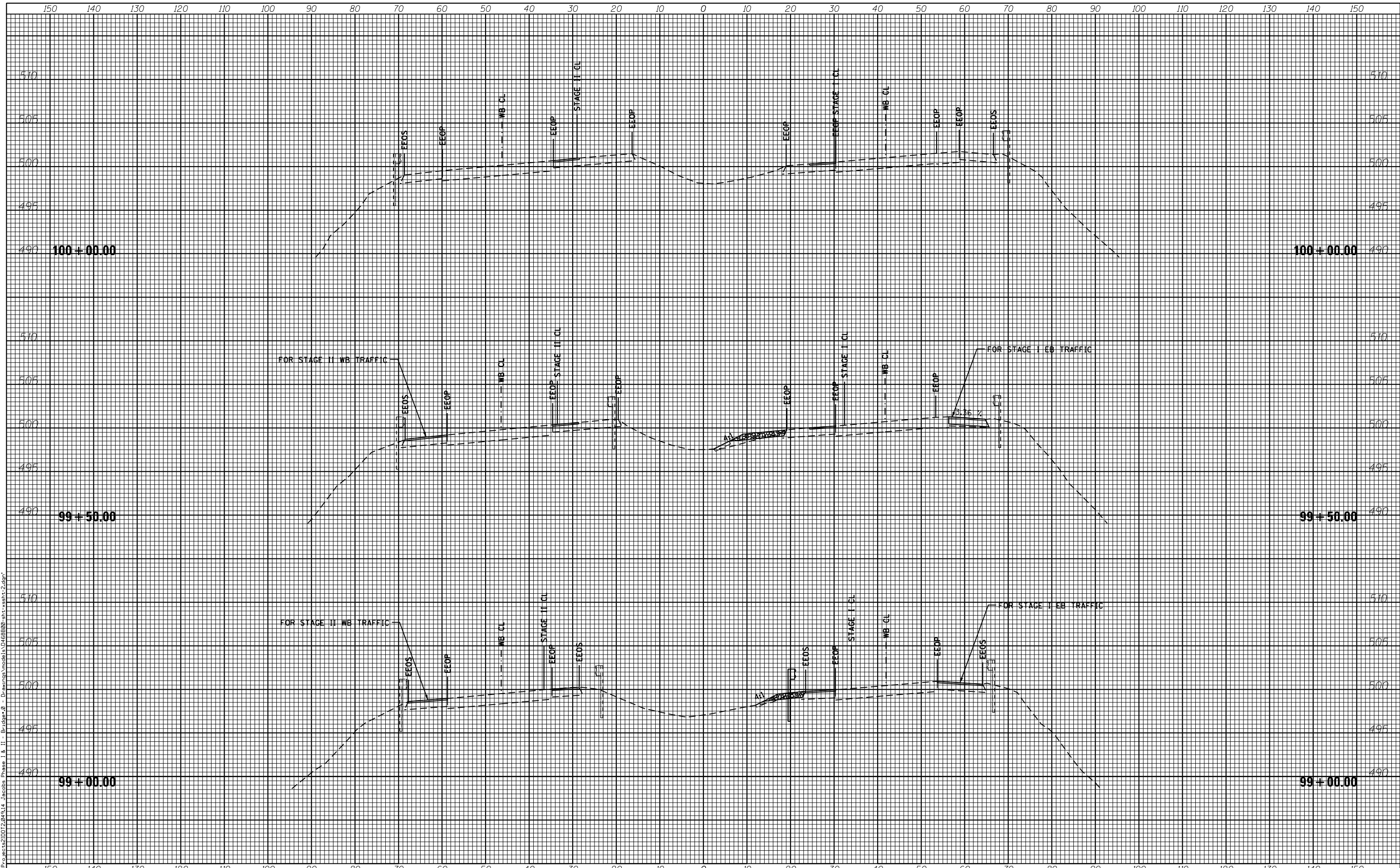
CROSS SECTIONS - EAST CROSSOVER				
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO-TAZ	93	81
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED AREAS CHECKED	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED AREAS CHECKED	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

FILE NAME = F:\P\Projects\21012\21014\14_Jacobs Phase I & II - Bridge.dwg - Drawing Model\1468820-ah-ssht-2.dgn



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISED -
	DRAWN - RJJ	REVISED -
PLOT SCALE = 10"= 5'	CHECKED - JLH	REVISED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - EAST CROSSOVER

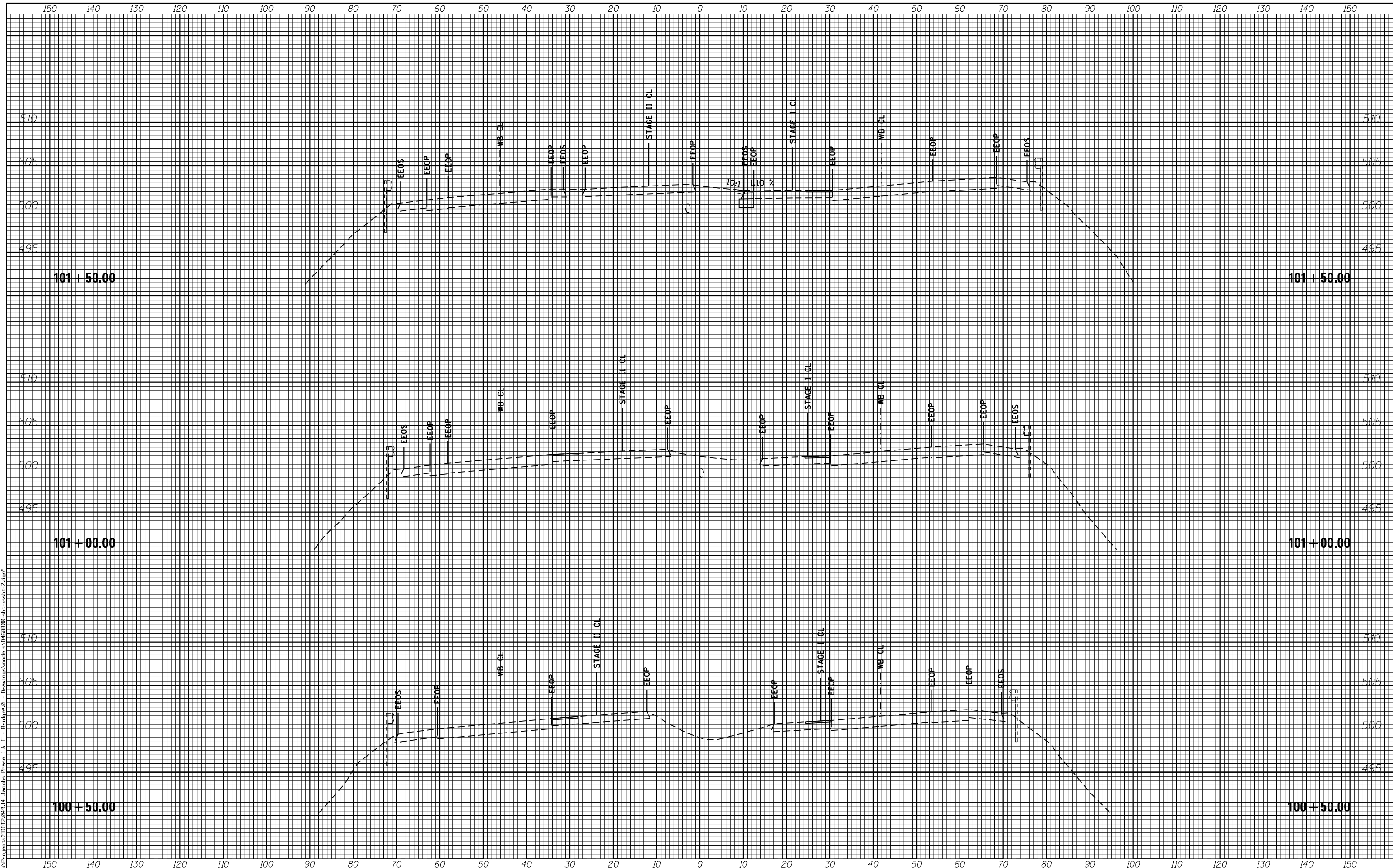
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474	[(72,90)5B]I-3	PEO-TAZ	93	82
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

FILE NAME = F:\P\Projects\1012\012\014\14 Jacobs Phase 1 & II - Bridge.dwg - Drawing Model: C:\Users\jeff\Documents\1012\014\14 Jacobs Phase 1 & II - Bridge.dwg



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISIED -
	DRAWN - RJJ	REVISIED -
PLOT SCALE = 10"=5'	CHECKED - JLH	REVISIED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISIED -

DESIGNED - RJJ	REVISIED -
DRAWN - RJJ	REVISIED -
CHECKED - JLH	REVISIED -
DATE - 07-01-16	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - EAST CROSSOVER

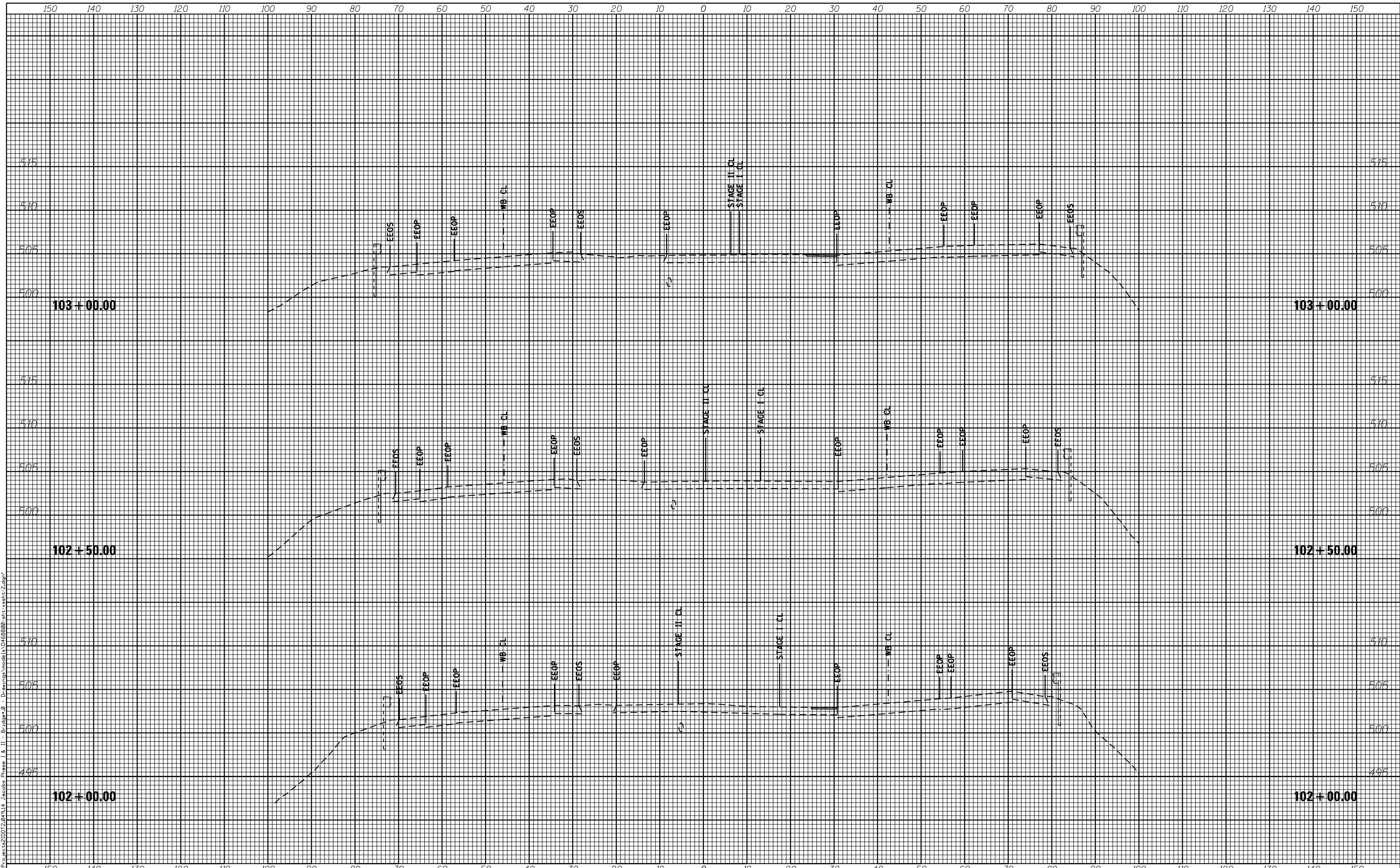
SCALE SHEET OF SHEETS STA. 100+50.00 TO STA. 101+50.00

F.A.I. RTE. 474	SECTION [(72,90)5B]I-3	COUNTY PEO-TAZ	TOTAL SHEETS 93	SHEET NO. 83
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = F:\P\Projects\1012\02\04\14 - Jacobs Phase I & II - Bridge.dwg - Drawing Model\1468820-sh1-tssht-2.dgn



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISED -
	DRAWN - RJJ	REVISED -
PLOT SCALE = 10"= 5'-0"	CHECKED - JLH	REVISED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - EAST CROSSOVER

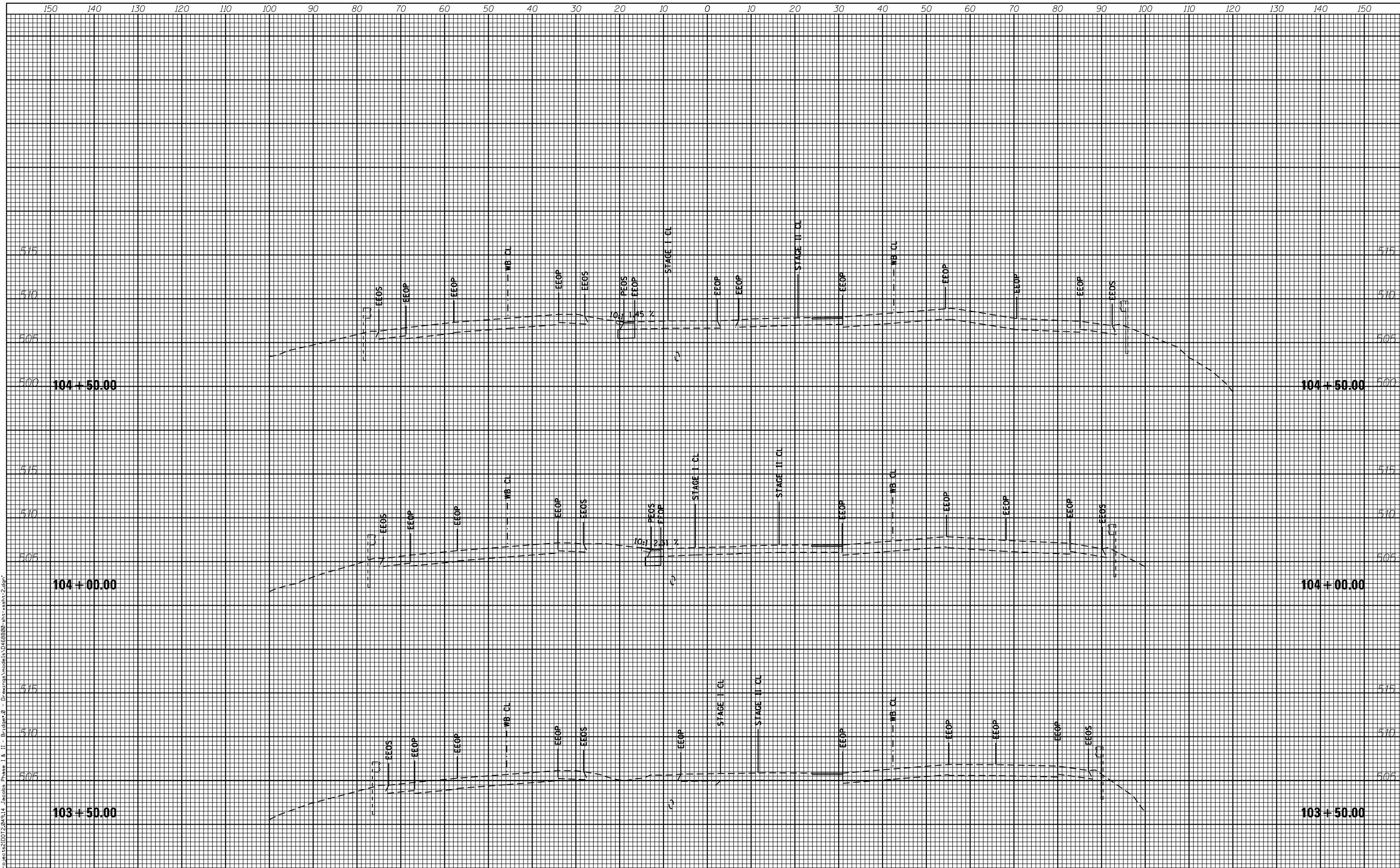
SCALE SHEET OF SHEETS STA. 102+00.00 TO STA. 103+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO-TAZ	93	84
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

FILE NAME = F:\P\Projects\103\2014\14_Jacobs Phase I & II - Bridge.dwg
 No. _____



HERMANN & ASSOCIATES, LLC
 CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISED -
PLOT SCALE = 10"=5'	DRAWN - RJJ	REVISED -
PLOT DATE = 7/19/2016	CHECKED - JLH	REVISED -
	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - EAST CROSSOVER

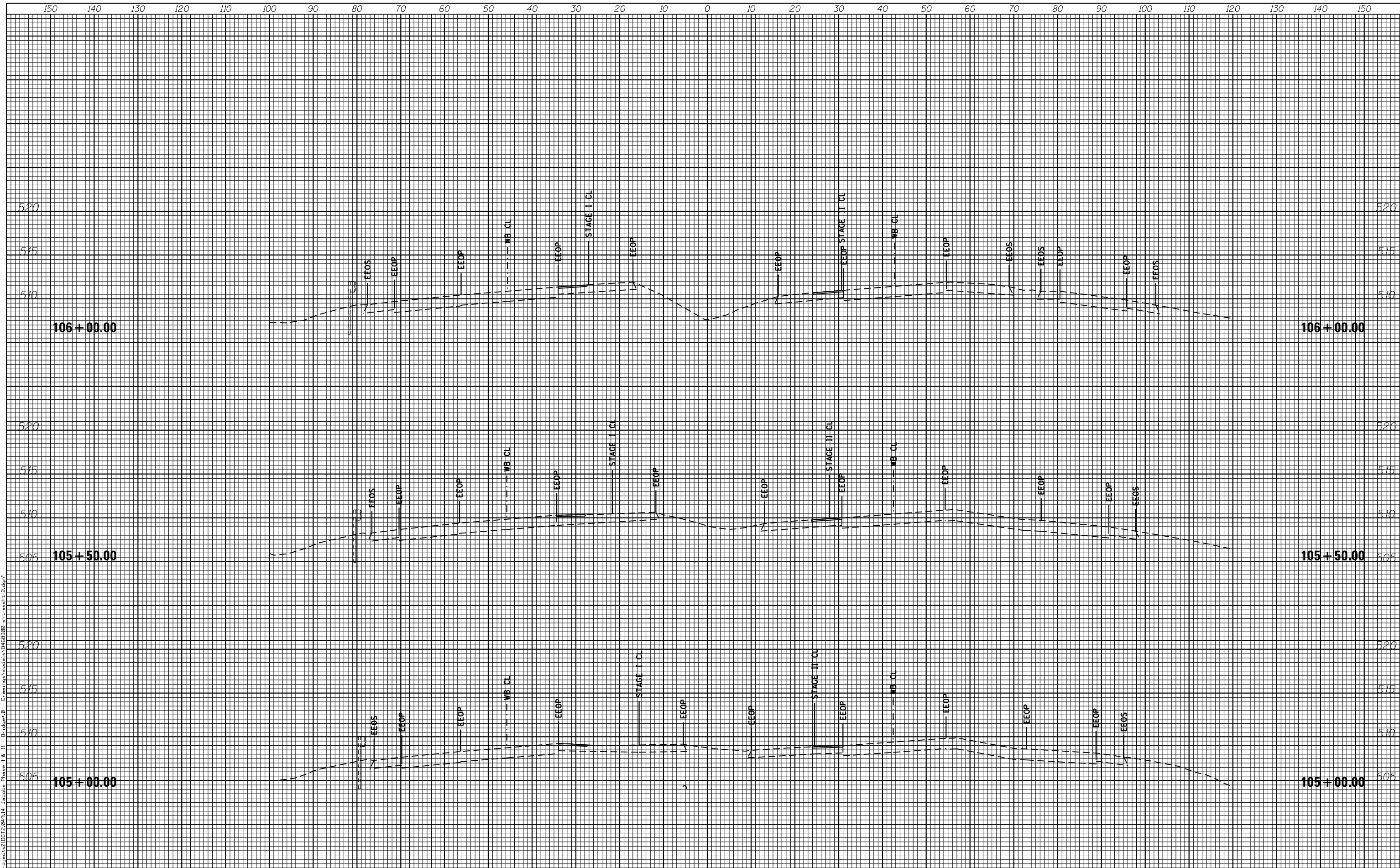
SCALE	SHEET	OF	SHEETS	STA. 103+50.00	TO STA. 104+50.00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,9015B)]-3	PEO-TAZ	93	85
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

FILE NAME = F:\Projects\1012\1014\14 Jacobs Phase I & II - Bridge.dwg - Drawing Model: C:\Users\jeff\Documents\1012\1014\14 Jacobs Phase I & II - Bridge.dwg



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

USER NAME = JEFF	DESIGNED - RJJ	REVISED -
	DRAWN - RJJ	REVISED -
PLOT SCALE = 10"=5'	CHECKED - JLH	REVISED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

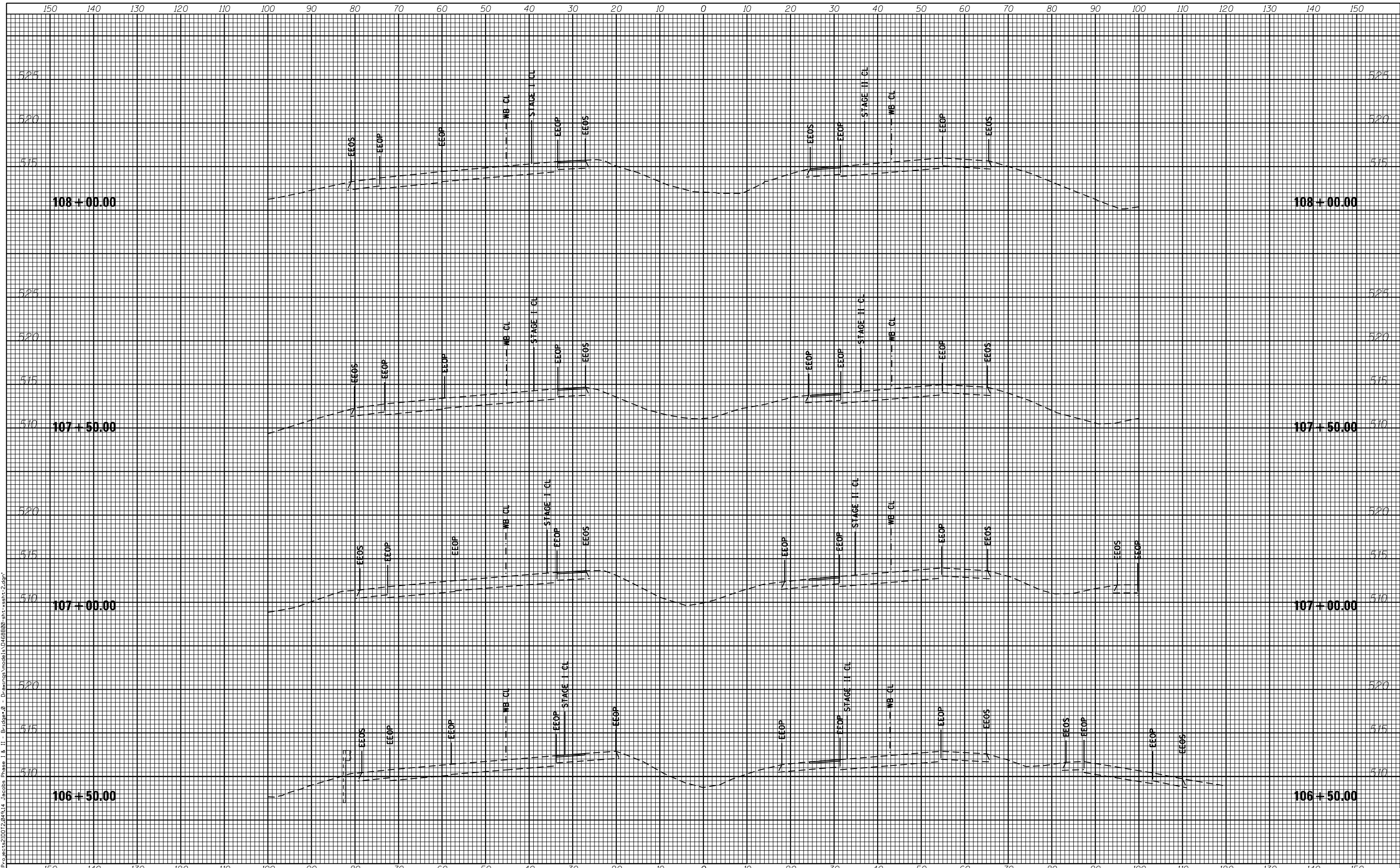
CROSS SECTIONS - EAST CROSSOVER			
SCALE	SHEET	OF	SHEETS
STA. 105+00.00		TO STA. 106+00.00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,9015B)]-3	PEO-TAZ	93	86
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

FILE NAME = F:\P\Projects\0102\0414 Jacobs Phase I & II - Bridge.dwg - Drawing Model\1468820-sh11-sh11-2.dgn



HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS

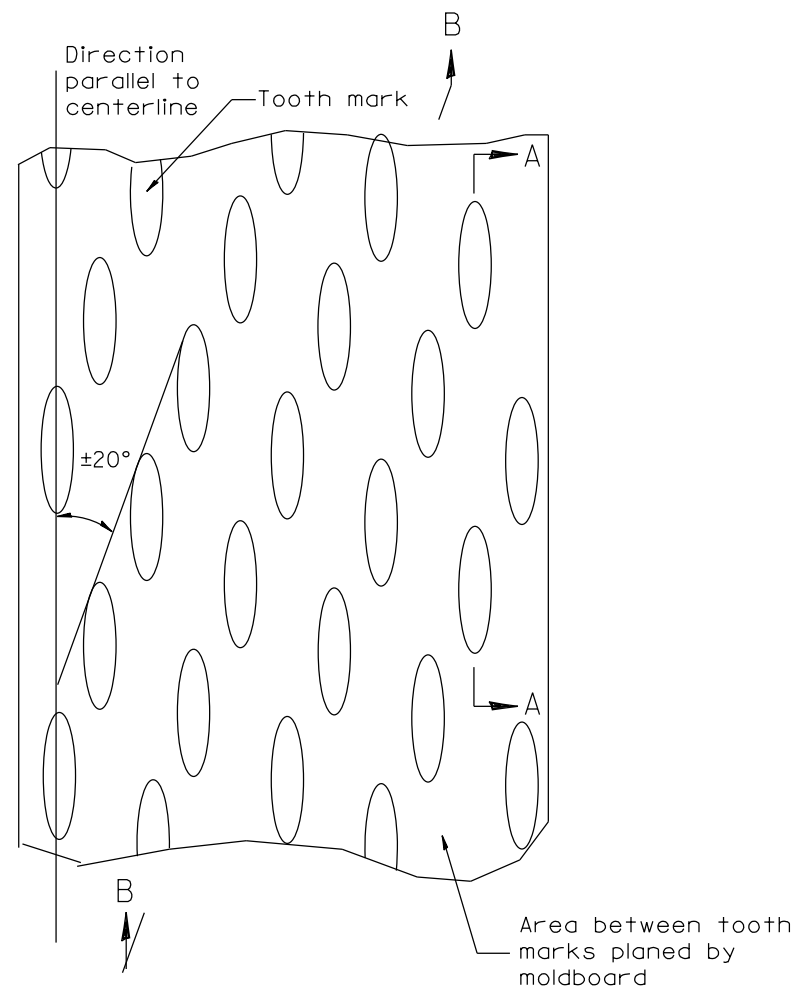
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	DRAWN - RJJ	REVISED -
PLOT SCALE = 10"=5'	CHECKED - JLH	REVISED -
PLOT DATE = 7/19/2016	DATE - 07-01-16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

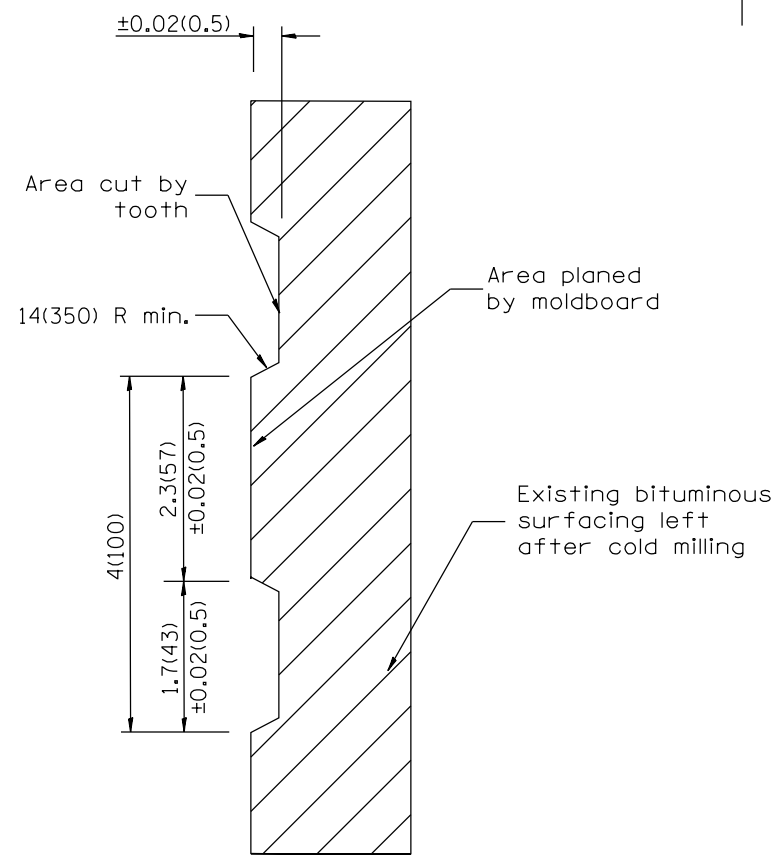
CROSS SECTIONS - EAST CROSSOVER

SCALE	SHEET	OF	SHEETS	STA. 106+50.00	TO	STA. 108+00.00
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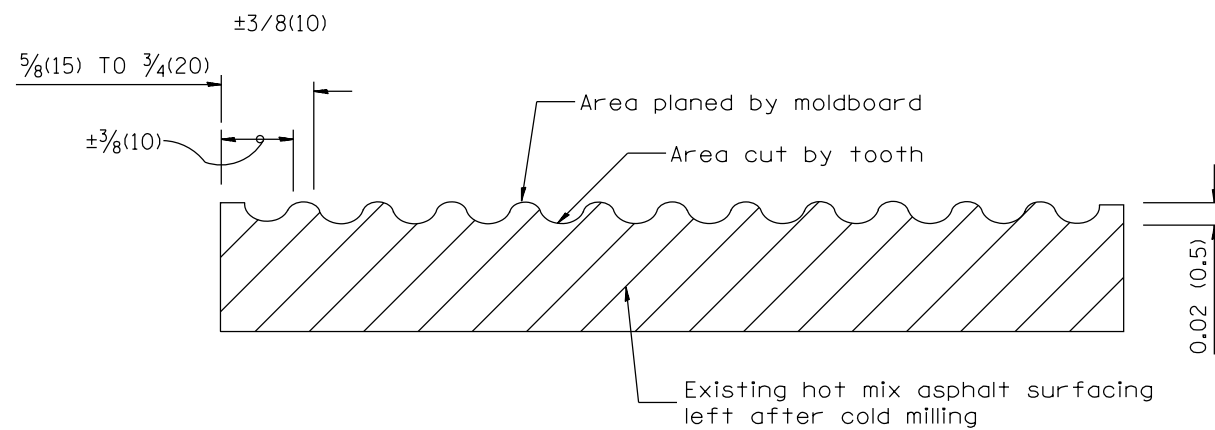
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,9015B)I-3	PEO-TAZ	93	87
CONTRACT NO.			68B00	
ILLINOIS FED. AID PROJECT				



PLAN



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.

FILE NAME = P:\C1\33701\7080\ad\702\CIVIL\AD468B00-SHT-DISTRICT.DETAIL.S.dgn

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

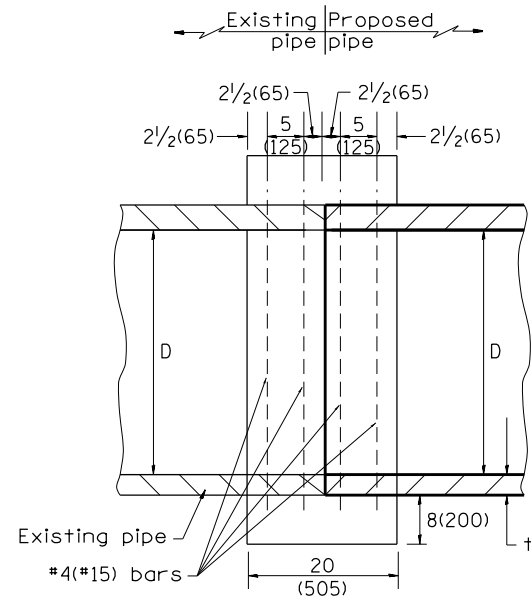
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

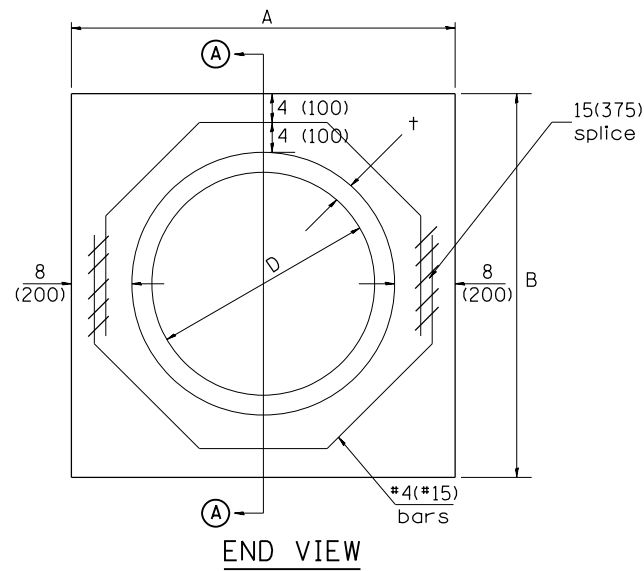
CADD STD. 440001-D4

All dimensions are in inches (millimeters) unless otherwise noted.

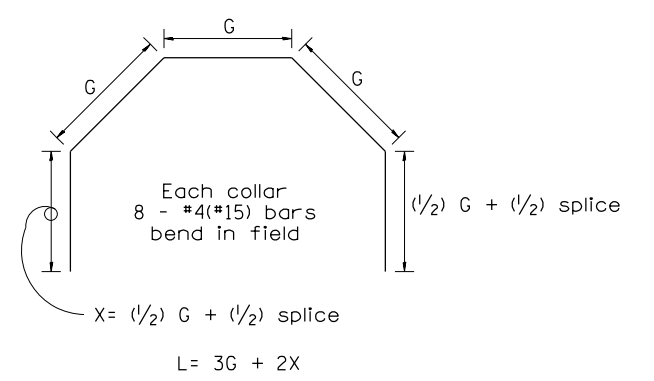
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5BJI-3	PEO/TAZ	93	88
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	



SECTION A - A



END VIEW



Each Collar									
					Reinforcement Bars				
D	t	A	B	CL. SI CONC.	G	X	L	Weight	
in (mm)	in (mm)	ft (m)	ft (m)	cu. yd. (m ³)	in (mm)	in (mm)	ft (m)	lb (kg)	
12 (300)	2.00 (51)	2.67 (0.814)	2.67 (0.814)	0.4 (0.270)	9 ¹⁵ / ₁₆ (253)	12 ⁷ / ₁₆ (317)	4.57 (1.393)	24 (11)	
15 (375)	2.25 (57)	2.96 (0.902)	2.96 (0.902)	0.4 (0.315)	11 ³ / ₈ (290)	13 ³ / ₁₆ (335)	5.05 (1.541)	27 (12)	
18 (450)	2.50 (64)	3.25 (0.991)	3.25 (0.991)	0.5 (0.362)	12 ¹³ / ₁₆ (327)	13 ⁷ / ₈ (354)	5.54 (1.689)	30 (14)	
21 (525)	2.75 (70)	3.54 (1.079)	3.54 (1.079)	0.5 (0.411)	14 ¹ / ₄ (364)	14 ⁵ / ₈ (372)	6.02 (1.836)	32 (15)	
24 (600)	3.00 (76)	3.83 (1.167)	3.84 (1.167)	0.6 (0.460)	15 ¹¹ / ₁₆ (401)	15 ⁵ / ₁₆ (391)	6.51 (1.984)	35 (16)	
27 (675)	3.25 (83)	4.13 (1.259)	4.13 (1.259)	0.7 (0.516)	17 ¹ / ₄ (438)	16 ¹ / ₁₆ (409)	6.99 (2.131)	37 (17)	
30 (750)	3.50 (89)	4.42 (1.347)	4.42 (1.347)	0.7 (0.570)	18 ¹¹ / ₁₆ (475)	16 ³ / ₄ (428)	7.48 (2.279)	40 (18)	
33 (825)	3.75 (95)	4.71 (1.436)	4.71 (1.436)	0.8 (0.624)	20 ¹ / ₈ (512)	17 ¹ / ₂ (446)	7.96 (2.426)	43 (19)	
36 (900)	4.00 (102)	5.00 (1.524)	5.00 (1.524)	0.9 (0.682)	21 ⁹ / ₁₆ (549)	18 ³ / ₁₆ (465)	8.44 (2.574)	45 (20)	
42 (1050)	4.50 (114)	5.58 (1.701)	5.58 (1.701)	1.0 (.800)	24 ⁷ / ₁₆ (622)	19 ³ / ₄ (501)	9.41 (2.869)	50 (23)	
48 (1200)	5.00 (127)	6.17 (1.881)	6.17 (1.881)	1.2 (0.930)	27 ⁵ / ₁₆ (696)	21 ³ / ₁₆ (538)	10.38 (3.164)	55 (25)	

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.
2. This work shall be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR and by the pound (kg) for REINFORCEMENT BARS.

FILE NAME = P:\CIVIL\3701\708\04\702CIVIL\0468B00-SHT-DISTRICT.DETAIL.S.dgn

QUANTITIES	
CALC. BY: R. J. D.	2-2-98 DATE:
CHECKED BY: R. D. H.	2-6-98 DATE:
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

NO.	DATE	DESCRIPTION	BY
01-01-97		RENUM. B-8.03, NEW REVISION BOX, REVISED TITLE BOX, ADDED QUANTITY CALCULATION BOX	J.A.
04-01-97		CORRECT BAR	J.A.
02-10-98		REVISE QUANTITIES	J.A.
09-01-00		CORRECT WEIGHT	J.A.
10-16-06		REV. TO 2007 SPEC., CORRECT mm UNITS	M.A.
2-15-11		ADDED GENERAL NOTE #2	R.D.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

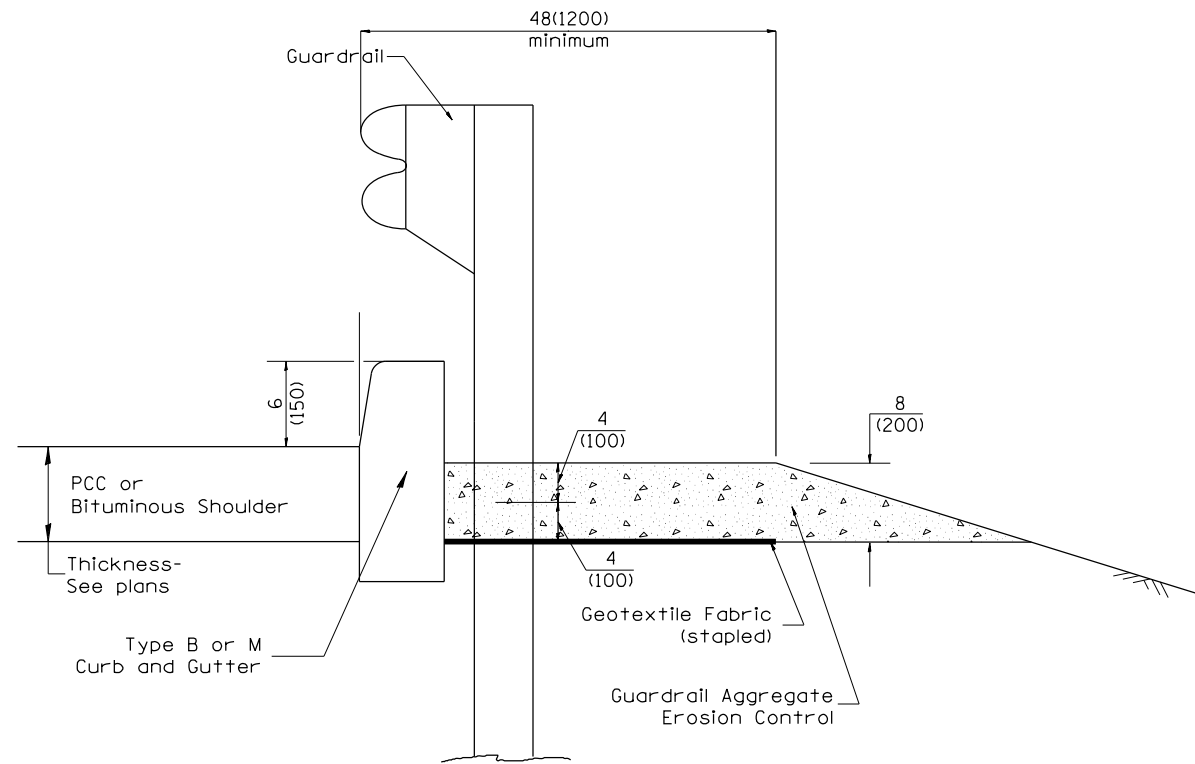
PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)

NOT TO SCALE

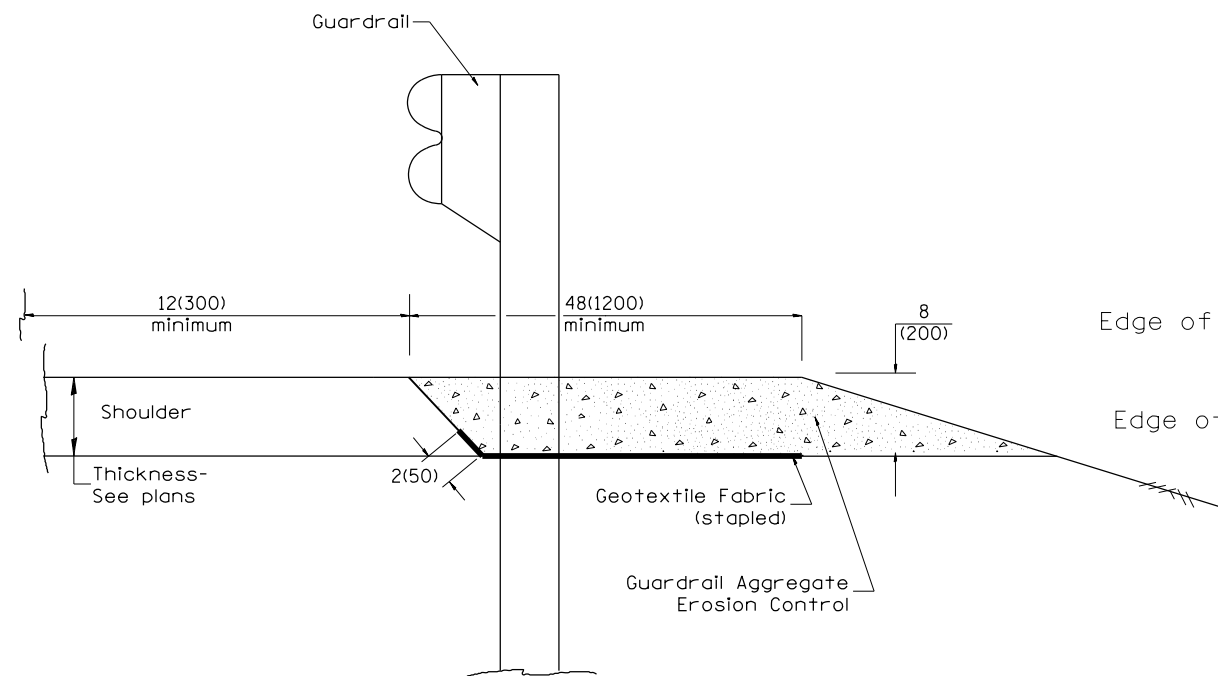
CADD STD. 542016-D4

All dimensions are in inches (millimeters) unless otherwise noted.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,9015B)]-3	PEO/TAZ	93	89
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				



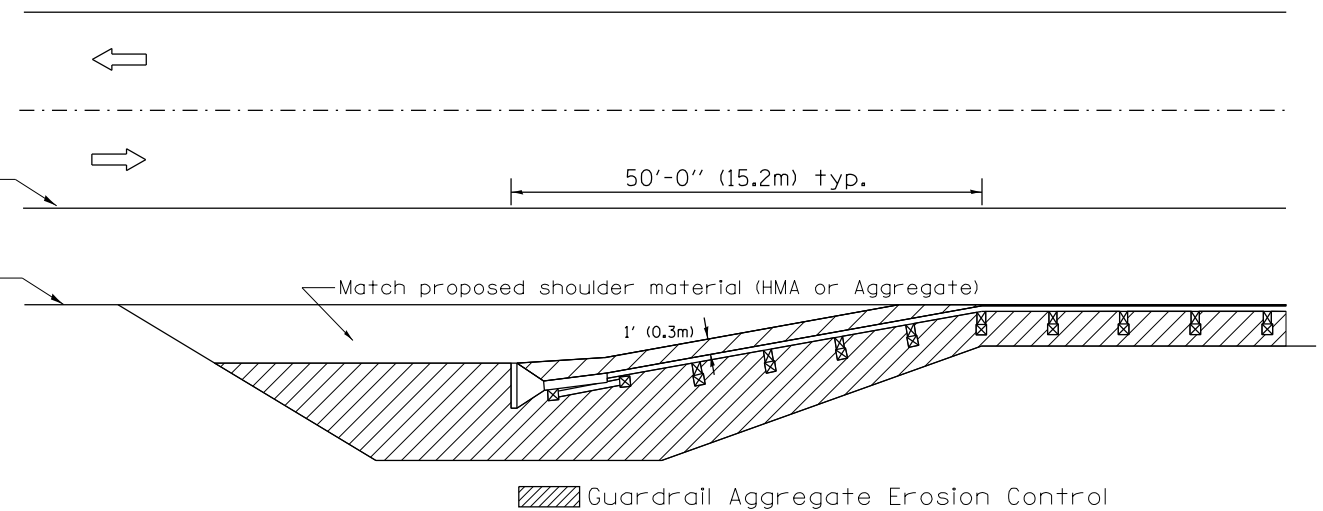
TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



All dimensions are in inches (millimeters) unless otherwise noted.

FILE NAME = F:\CIVIL\3701\7006\add\702\CIVIL\0468800-SHT-DISTRICT DETAILS.dgn

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.	3-7-11	Added Detail showing plan view	R.D.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	8-10-12	Revised curb "B" and aggregate	R.D.
11-03-00	CORRECTION TO NOTES	M.A.	7-15-15	Addressed shoulder inlet curb	R.D.
10-16-06	REVISED TO 2007 SPEC.	M.A.			

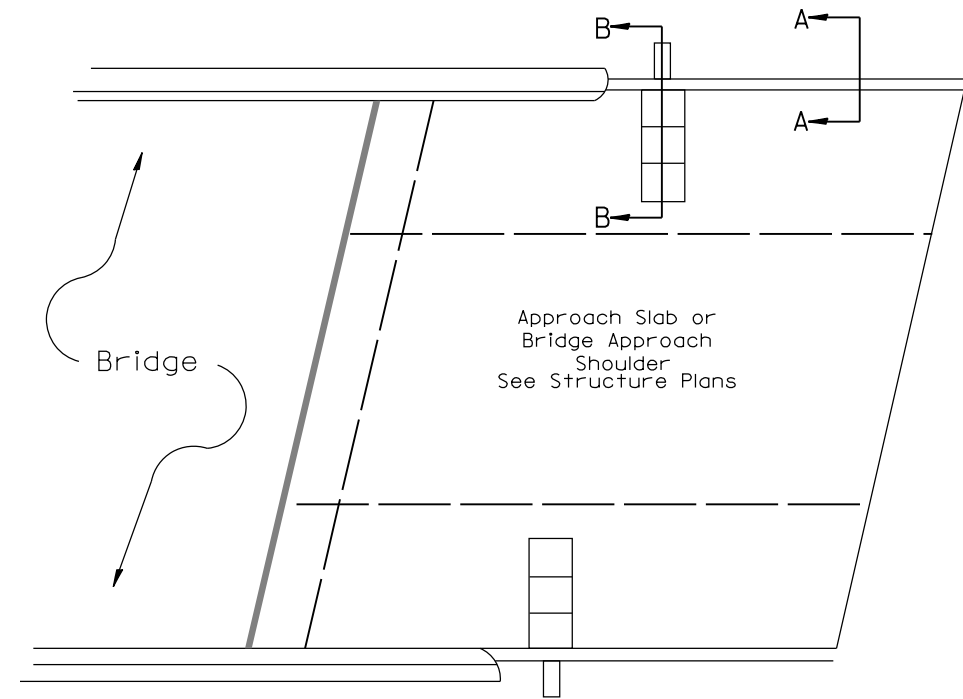
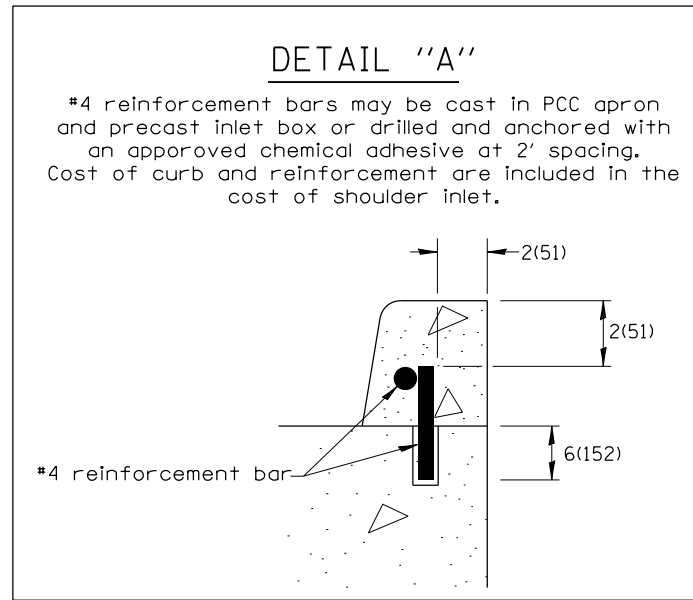
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

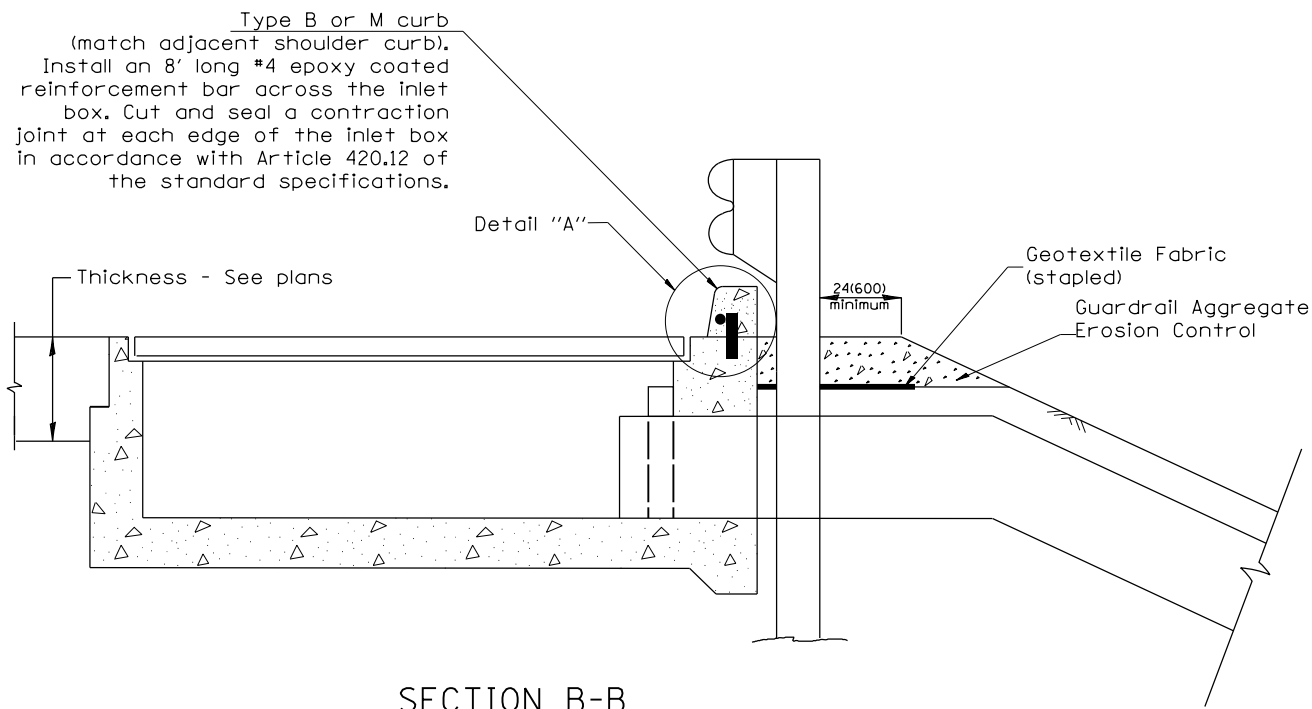
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SHT. 1 OF 2
CADD STD. 630101-D4

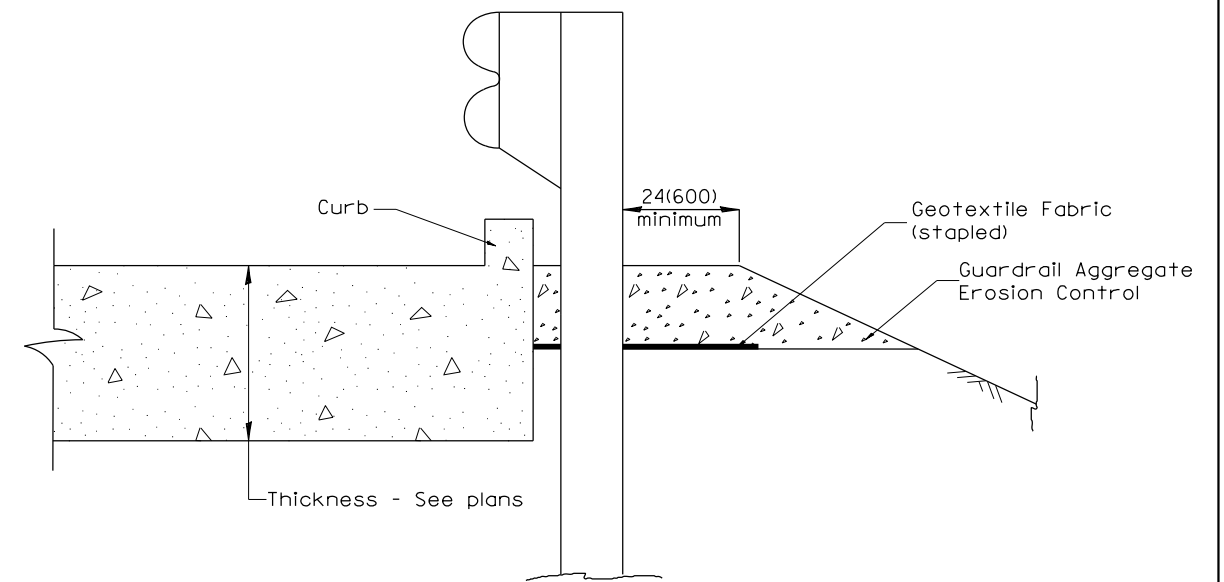
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO/TAZ	93	90
			CONTRACT NO. 68B00	
ILLINOIS FED. AID PROJECT				



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

All dimensions are in inches (millimeters) unless otherwise noted.

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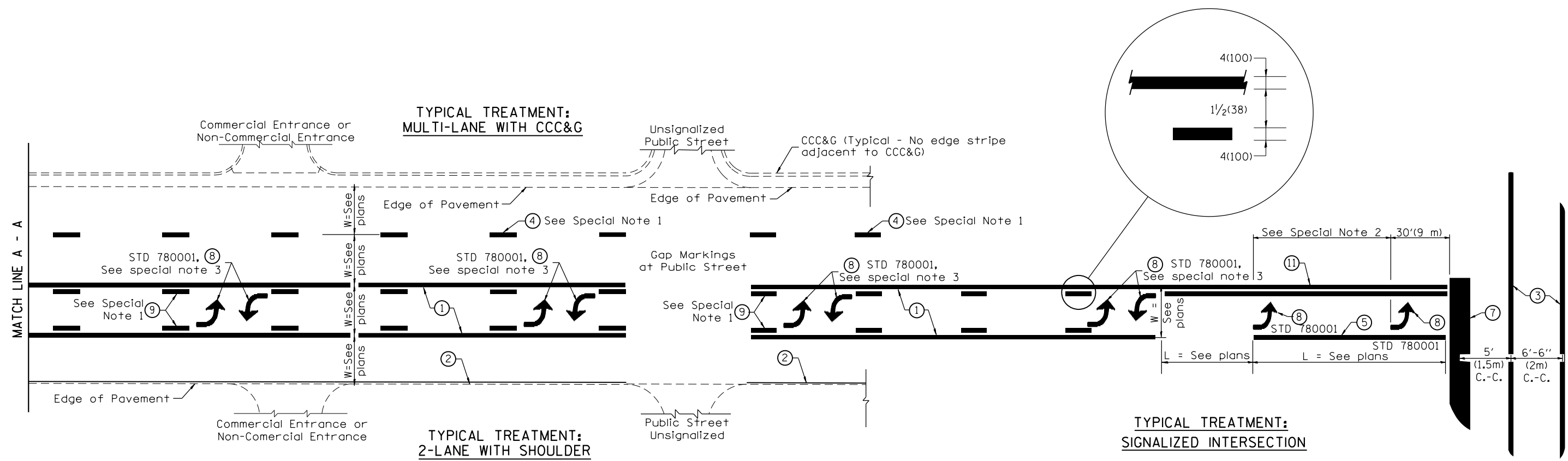
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				DRAWN -		REVISED -	
		PLOT SCALE =	100.0000' / in.	CHECKED -		REVISED -	
		PLOT DATE =	7/25/2016	DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE SHEET OF SHEETS STA. CADD STD. 630101-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO/TAZ	93	91
SHT. 2 OF 2			CONTRACT NO. 68B00	
ILLINOIS FED. AID PROJECT				



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

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01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 1 OF 2
CADD STD. 780001-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO/TAZ	93	92
			CONTRACT NO. 68B00	
ILLINOIS FED. AID PROJECT				

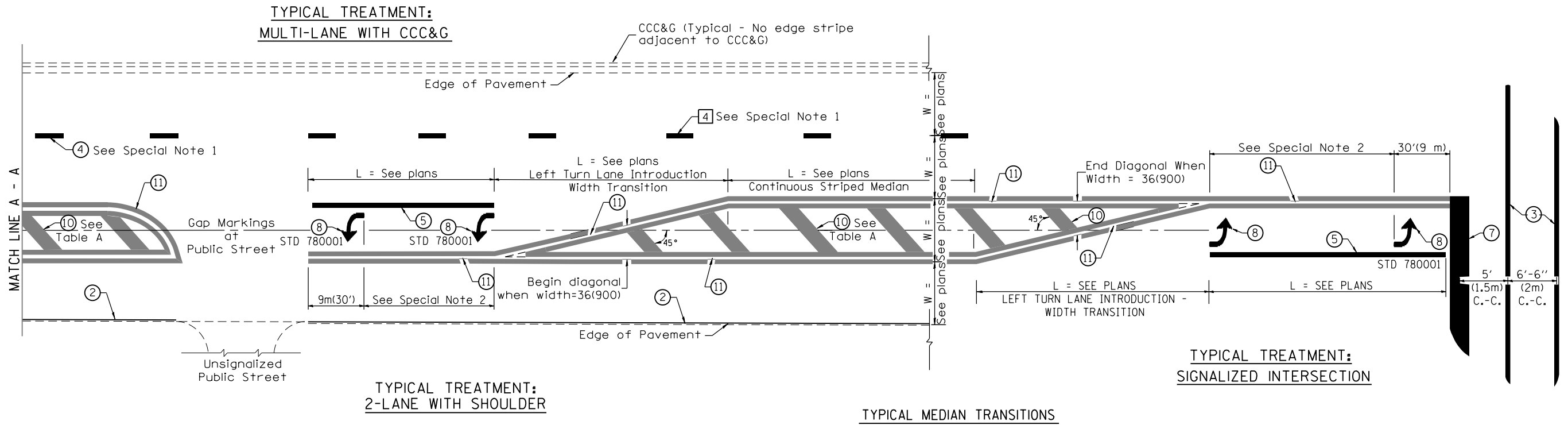
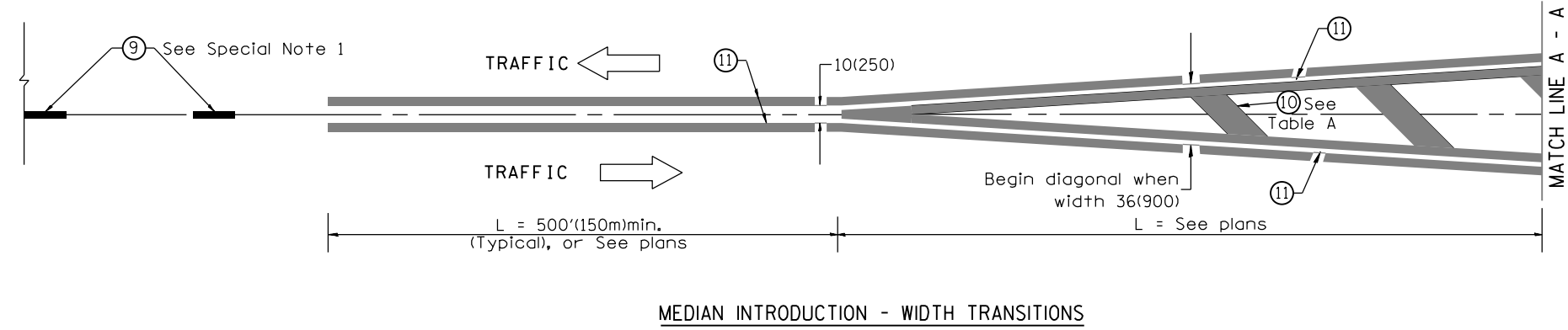


TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 780001-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]I-3	PEO/TAZ	93	93
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	