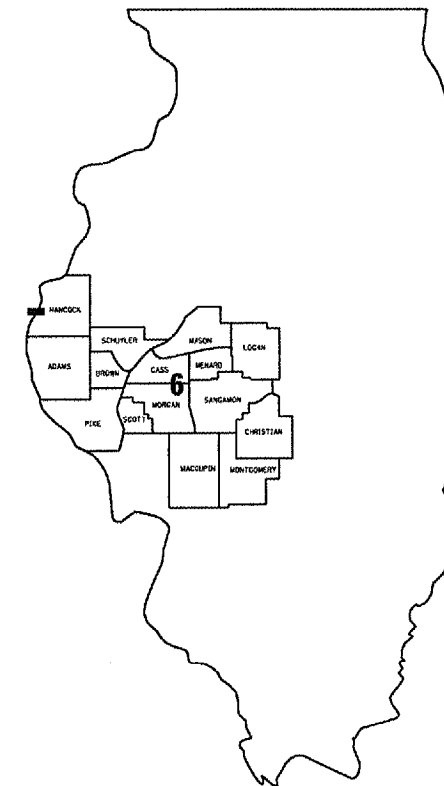
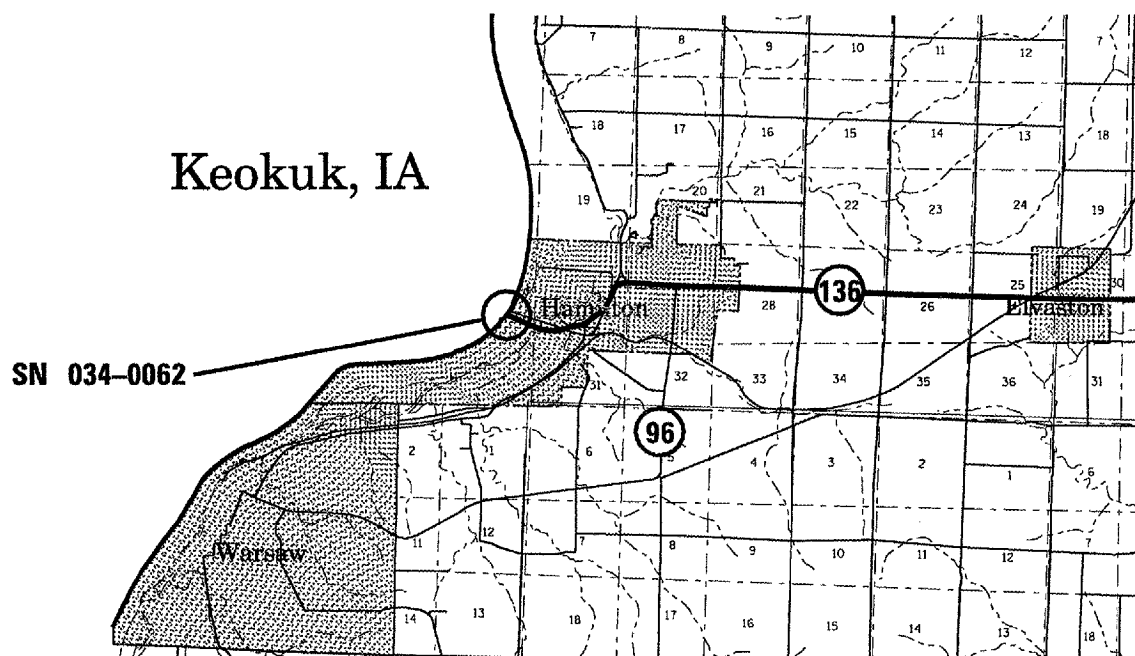


FOR INDEX OF SHEETS AND HIGHWAY
STANDARDS, SEE SHEET 2.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 315 (US 136)
SECTION (22B)L
HANCOCK COUNTY
C96-510-08 / D96-546-07



LOCATION OF SECTION INDICATED THUS: ■



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 29, 2007

Christ Weed
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

May 11, 2007

Eric E. Horn
Interim ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 2007

Milton K. Seep
DIRECTOR, DIVISION OF HIGHWAYS

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

D6 BRIDGE ENGINEER: STEVE BERAN
PHONE: (217) 785-9290

NET LTH OF SEC 3340 FT=0.63 MILE

CONTRACT NO. 72A69

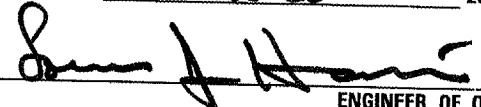

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, & GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 SCHEDULE OF QUANTITIES
- 5-11 BRIDGE PLAN & PROFILE
- 12-13 CONTROLLER INSTALLATION DUAL

STANDARDS

- 701101-01
- 701106-01
- 701601-04
- 701701-04
- 701801-03
- 702001-06

GENERAL NOTES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	March 26 20 07
	 ENGINEER OF OPERATIONS
EXAMINED	MARCH 29 th 20 07
	W. E. FREY JR. ENGINEER OF PROGRAM IMPLEMENTATION
EXAMINED	Mar 19 2007
	 ENGINEER OF PROGRAM DEVELOPMENT

INDEX AND GENERAL NOTES
FAP 315 (US 136)
SECTION (22B)L
HANCOCK COUNTY

S U M M A R Y O F Q U A N T I T I E S

CODE NO.	ITEM	UNIT	100% STATE
			4030-1E TOTAL QTY
67100100	MOBILIZATION	L SUM	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	17
82107100	UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	2
82107500	UNDERPASS LUMINAIRE, 250 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	3
82500515	LIGHTING CONTROLLER TYPE CB-RCS 60 AMP - 240 VOLT (DUAL)	EACH	1
84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	23
X0301588	NAVIGATION OBSTRUCTION LIGHT	EACH	1
X0324135	60 AMP STAINLESS STEEL DISCONNECT SWITCH	EACH	1
X0324579	GROUNDING AND BONDING	L SUM	1

QUANTITIES
FAP 315 (US 136)
SECTION (22B)L
HANCOCK COUNTY

ELECTRICAL SCHEDULE								
APPROX. STA	150 W HPS LUMINAIRE	CORRECTING LIGHT POLE BONDING	70 W HPS UNDERPASS LUMINAIRE	250 W HPS UNDERPASS LUMINAIRE	NAVIGATION LUMINAIRE	REMOVE EXISTING LIGHT UNIT	CORRECTING EXP. JT. BONDING	LIGHTING CONTROLLER
61+90	1					1		
63+70							1	
63+90	1	1				1		
64+00								1
64+06			2			2		
65+90	1	1				1		
66+81							2	
67+72				1		1		
67+90	1	1				1		
69+90	1	1				1		
70+15				1		1		
71+76				1		1		
71+90	1	1				1		
73+90	1	1				1		
75+38					1	1		
75+90	1	1				1		
77+90	1	1				1		
78+05							2	
80+08	1	1				1		
82+26	1	1				1		
84+44	1	1				1		
84+59							2	
86+62	1	1				1		
88+80	1	1				1		
90+98	1	1				1		
91+13							2	
93+16	1	1				1		
95+34	1	1				1		
TOTALS:	17	16	2	3	1	23	9	1

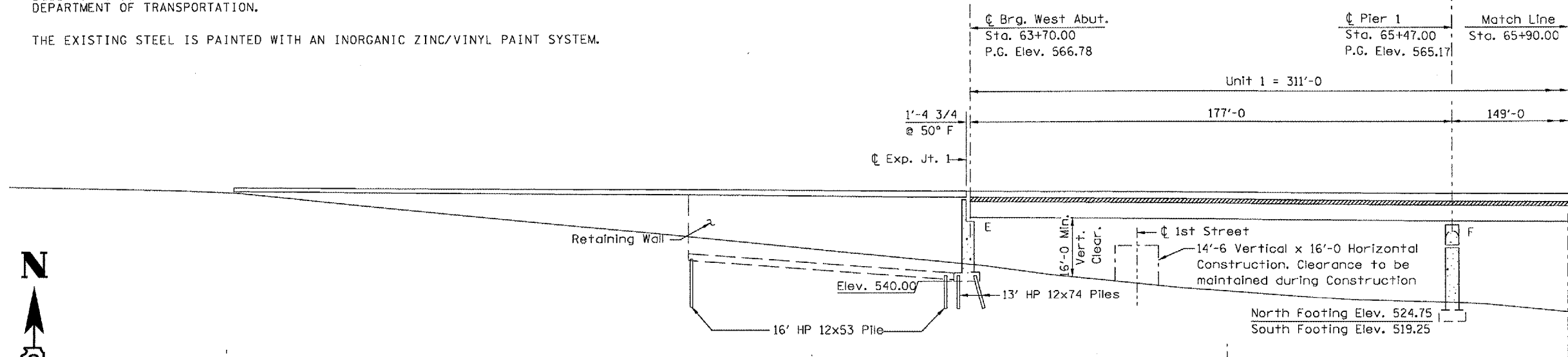
SCHEDULE OF QUANTITIES
FAP 315 (US 136)
SECTION (22B)L
HANCOCK COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	228L	HANCOCK	13	5

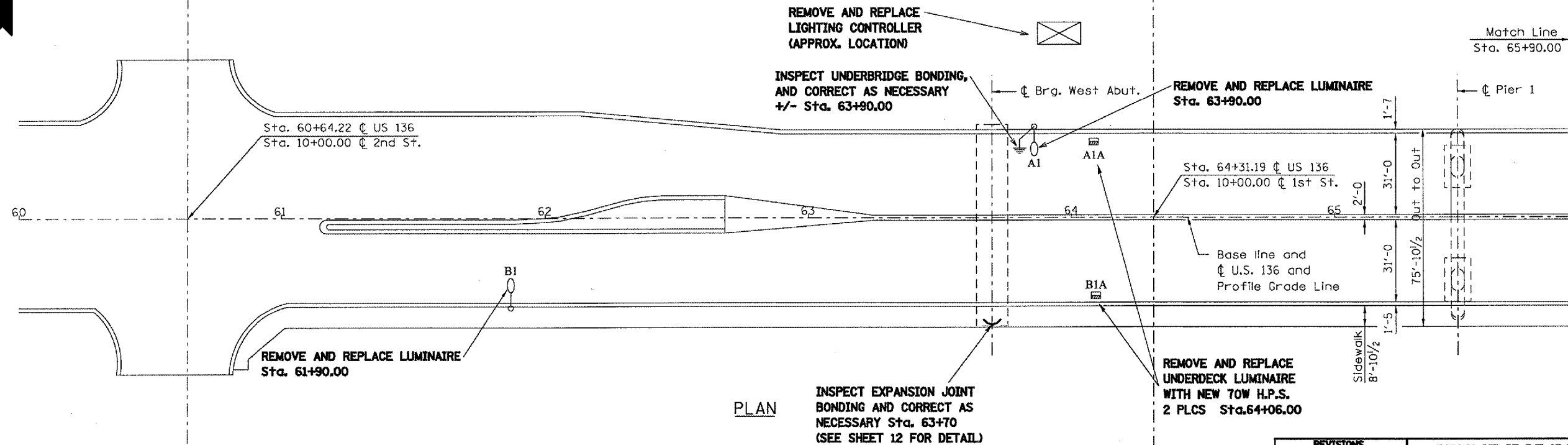
EXISTING STRUCTURE:

SN 034-0062 CONSISTS OF 15 STEEL MULTI-BEAM WELDED PLATE GIRDER SPANS, WITH AN OVERALL LENGTH OF 3,340 FT MEASURED FROM BACK-TO-BACK OF ABUTMENTS, AND A TOTAL DECK WIDTH OF 75' 10". THE BRIDGE ROADWAY, COMPRISED OF TWO LANES IN EACH DIRECTION DIVIDED BY A BARRIER WALL, HAS A TOTAL COMBINED WIDTH OF 62' 0". THERE IS AN 8' 10" WIDE SIDEWALK ON THE SOUTH SIDE OF THE BRIDGE. THE BRIDGE CARRIES US 136 OVER THE MISSISSIPPI RIVER BETWEEN HAMILTON, ILLINOIS, AND KEOKUK, IOWA, AND WAS BUILT IN 1985 UNDER A CONTRACT MANAGED BY THE IOWA DEPARTMENT OF TRANSPORTATION.

THE EXISTING STEEL IS PAINTED WITH AN INORGANIC ZINC/VINYL PAINT SYSTEM.



LONGITUDINAL SECTION ALONG C U.S. 136



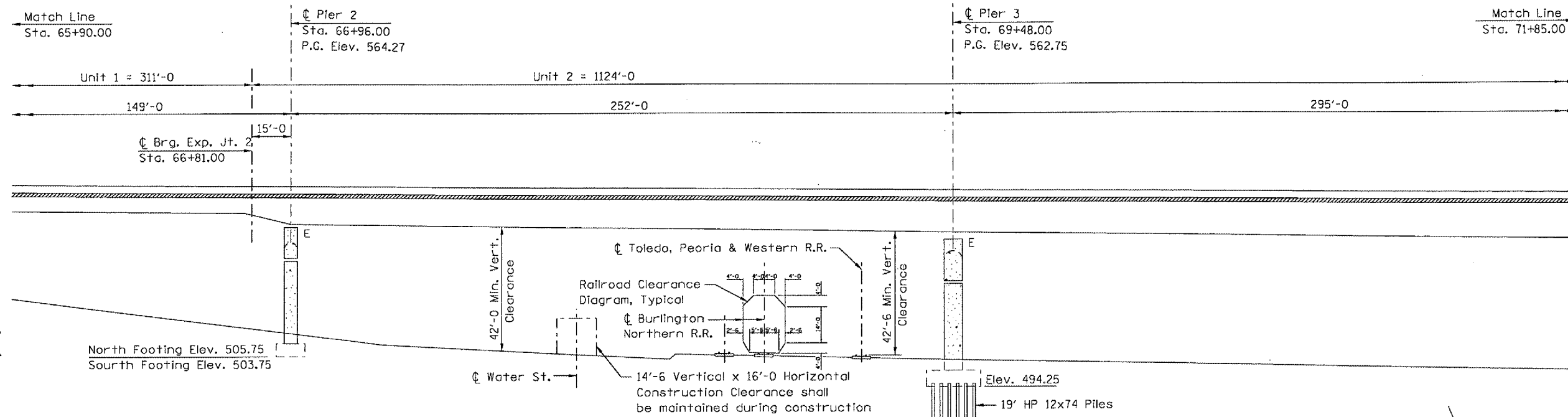
PLAN

REVISIONS	
NAME	DATE

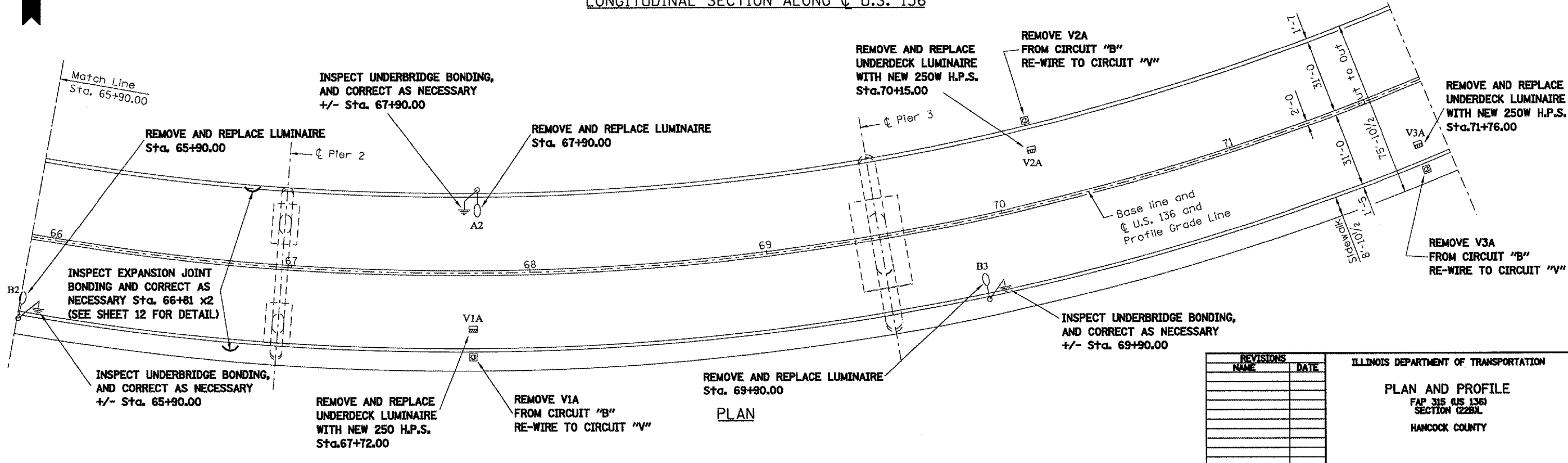
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
 FAP 315 (US 136)
 SECTION 228L
 HANCOCK COUNTY

CHK-SPEC
 DATE-TIME
 *REF 01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	228BL	HANCOCK	13	6



LONGITUDINAL SECTION ALONG C U.S. 136

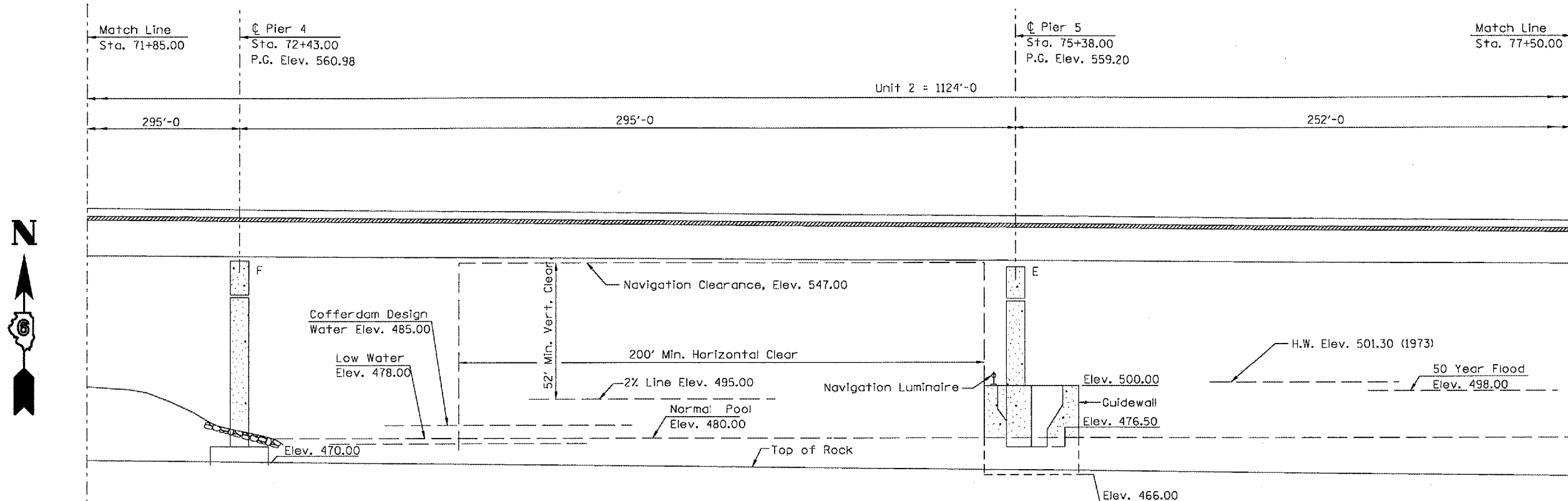


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 FAP 315 (U.S. 136)
 SECTION (228BL)
 HANCOCK COUNTY

BOOK-SPEC.
 DATE-TIME
 REF.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	12281L	HANCOCK	13	7
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



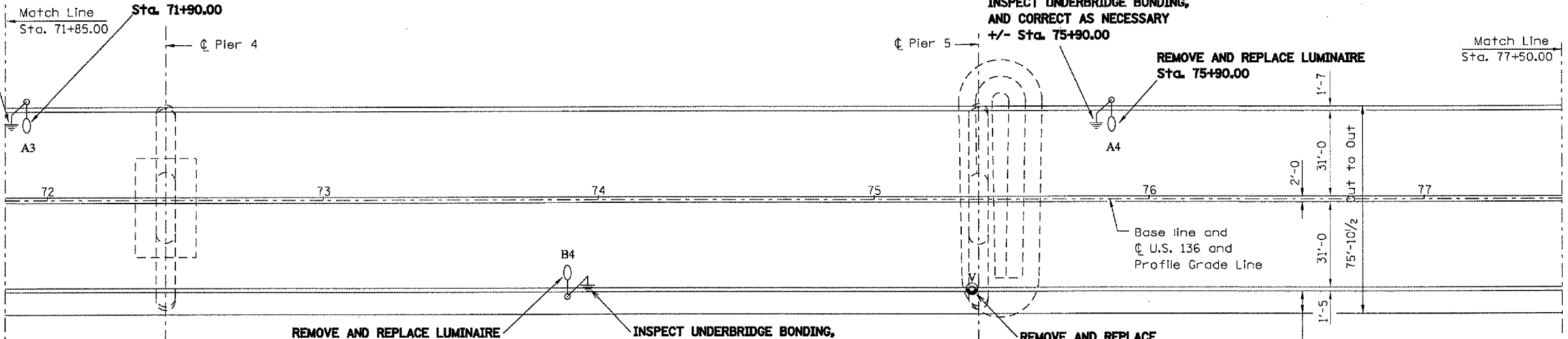
INSPECT UNDERBRIDGE BONDING, AND CORRECT AS NECESSARY +/- Sta. 71+90.00

REMOVE AND REPLACE LUMINAIRE Sta. 71+90.00

LONGITUDINAL SECTION ALONG C U.S. 136

INSPECT UNDERBRIDGE BONDING, AND CORRECT AS NECESSARY +/- Sta. 75+90.00

REMOVE AND REPLACE LUMINAIRE Sta. 75+90.00



REMOVE AND REPLACE LUMINAIRE Sta. 73+90.00

INSPECT UNDERBRIDGE BONDING, AND CORRECT AS NECESSARY +/- Sta. 73+90.00

REMOVE AND REPLACE NAVIGATION LUMINAIRE ATTACHED TO PIER FOOTING +/- Sta. 75+38.00

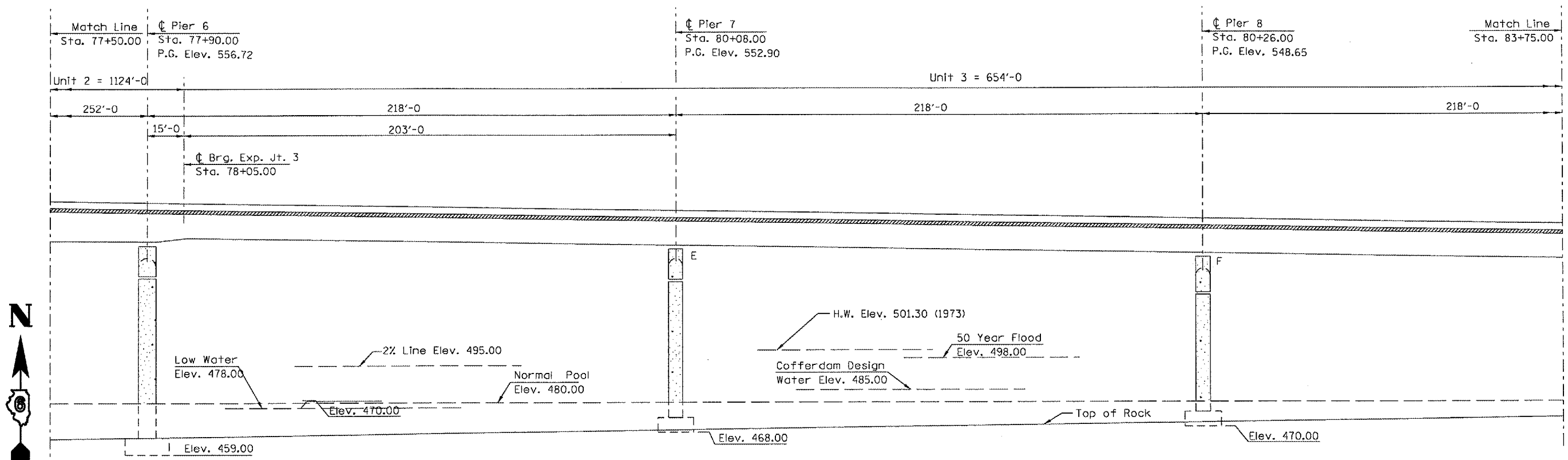
PLAN

REVISIONS	
NAME	DATE

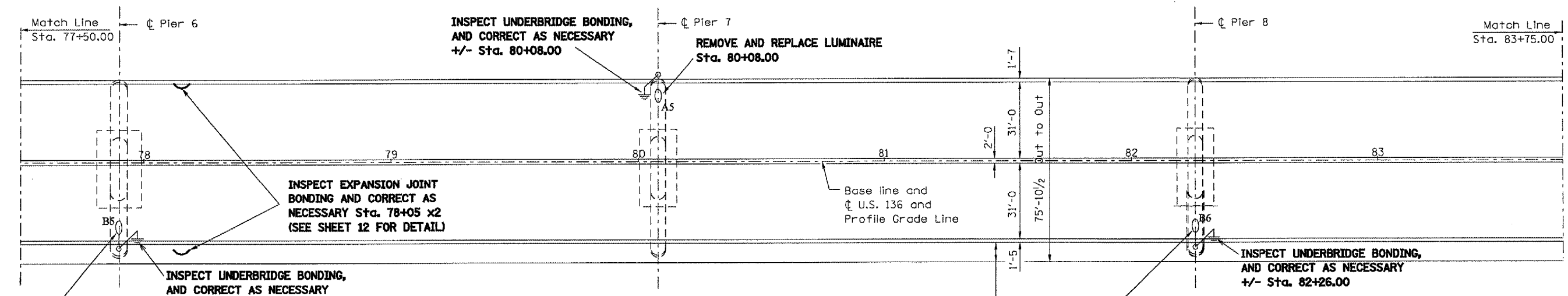
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
 FAP 315 (US 136)
 SECTION 12281L
 HANCOCK COUNTY

CCN-SPEC
 DATE-TIME
 *REF 01

CONTRACT NO. T2A69				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(228)L	HANCOCK	13	8



LONGITUDINAL SECTION ALONG U.S. 136



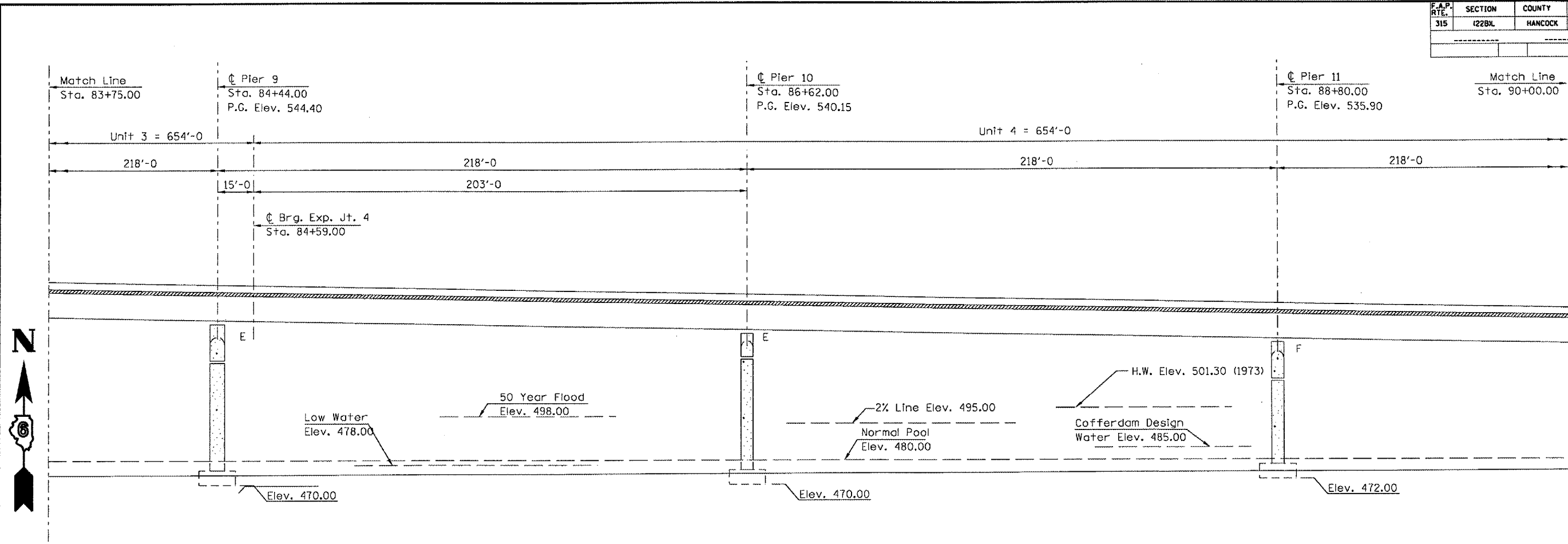
PLAN

REVISIONS	
NAME	DATE

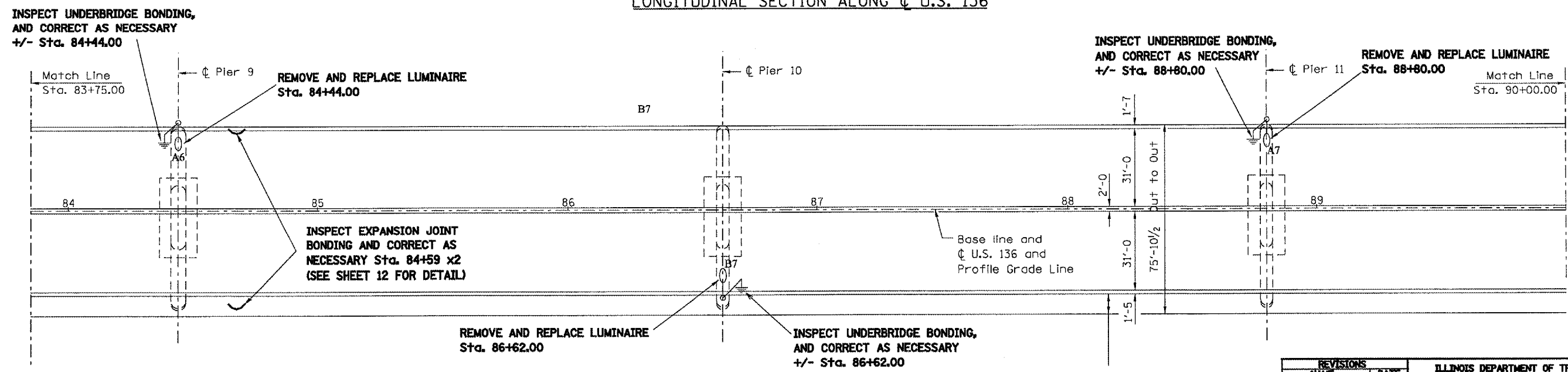
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 FAP 315 (US 136)
 SECTION (228)L
 HANCOCK COUNTY

DON-SPEC
 DATE-TIME
 REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	1228L	HANCOCK	13	9



LONGITUDINAL SECTION ALONG U.S. 136



INSPECT UNDERBRIDGE BONDING, AND CORRECT AS NECESSARY +/- Sta. 84+44.00

REMOVE AND REPLACE LUMINAIRE Sta. 84+44.00

INSPECT EXPANSION JOINT BONDING AND CORRECT AS NECESSARY Sta. 84+59 x2 (SEE SHEET 12 FOR DETAIL)

REMOVE AND REPLACE LUMINAIRE Sta. 86+62.00

INSPECT UNDERBRIDGE BONDING, AND CORRECT AS NECESSARY +/- Sta. 86+62.00

INSPECT UNDERBRIDGE BONDING, AND CORRECT AS NECESSARY +/- Sta. 88+80.00

REMOVE AND REPLACE LUMINAIRE Sta. 88+80.00

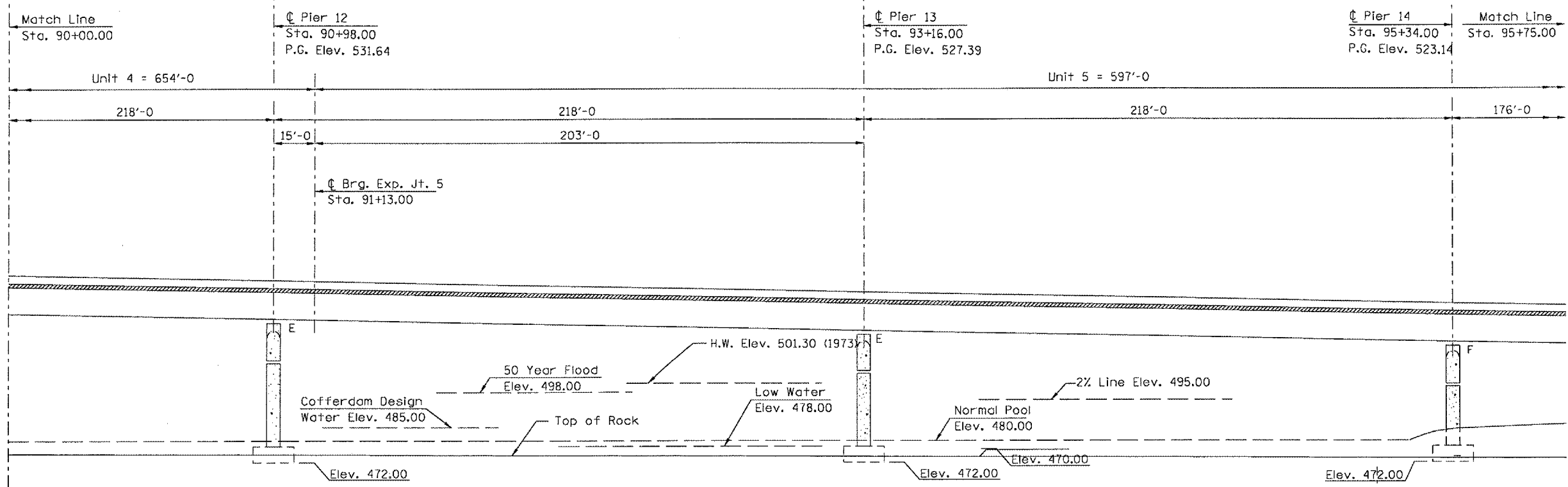
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REVISIONS	
NAME	DATE

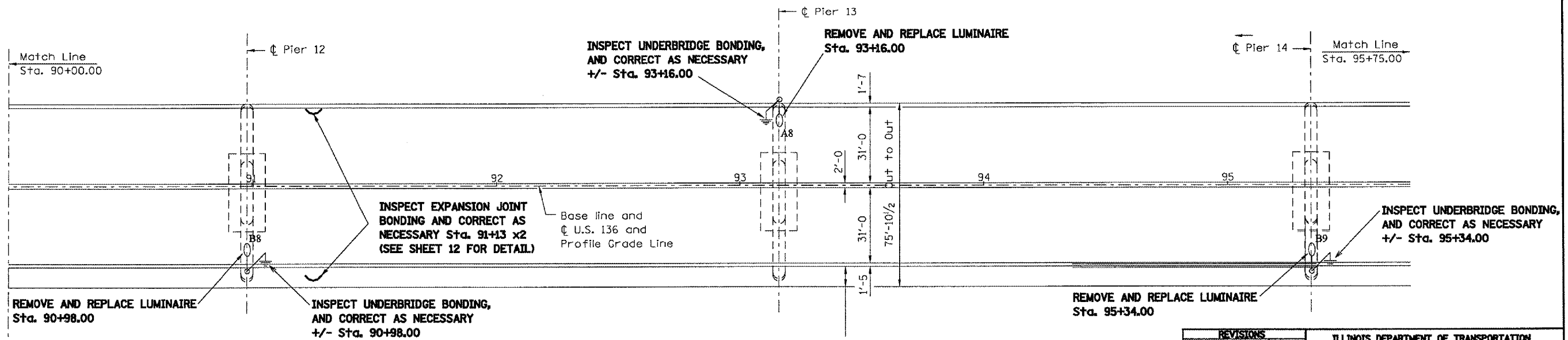
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
 FAP 315 (US 136)
 SECTION 1228L
 HANCOCK COUNTY

DDN-SPEC
 DATE-TIME
 *REF:01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	1228KL	HANCOCK	13	10



LONGITUDINAL SECTION ALONG U.S. 136



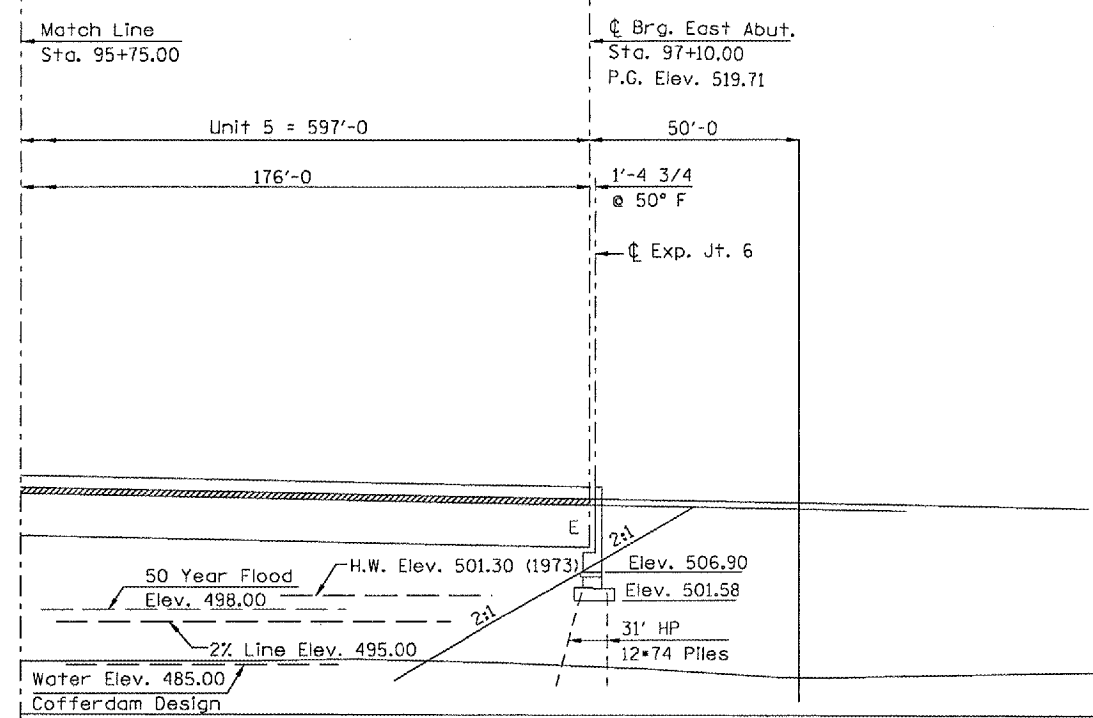
PLAN

REVISIONS	NAME	DATE

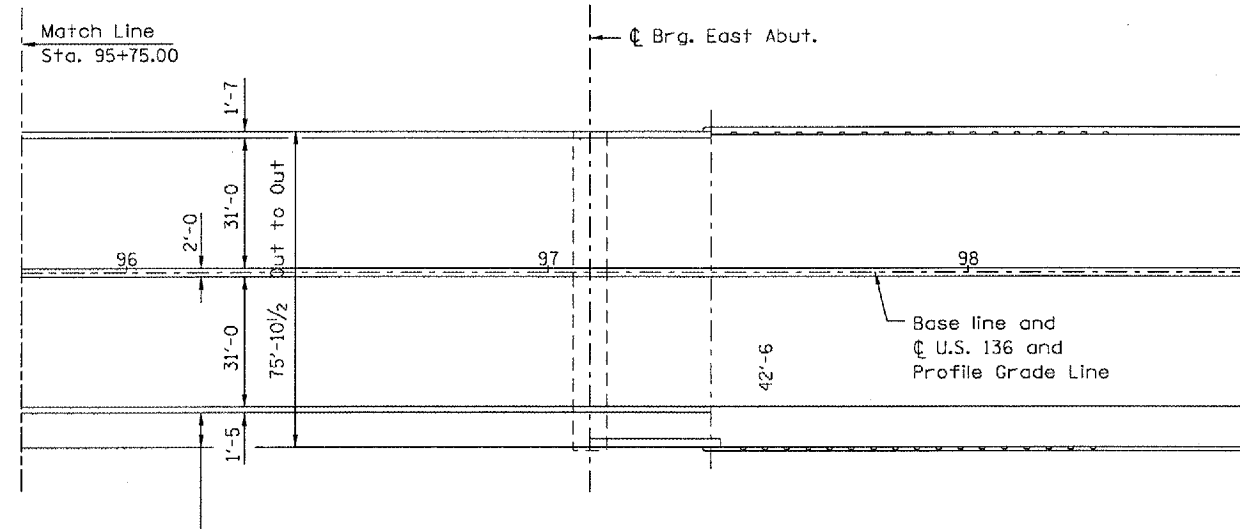
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 FAP 315 (US 136)
 SECTION 1228KL
 HANCOCK COUNTY

• DEN-SPEC •
 • DATE-TIME •
 • REF 01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(228H)	HANCOCK	13	11



LONGITUDINAL SECTION ALONG U.S. 136



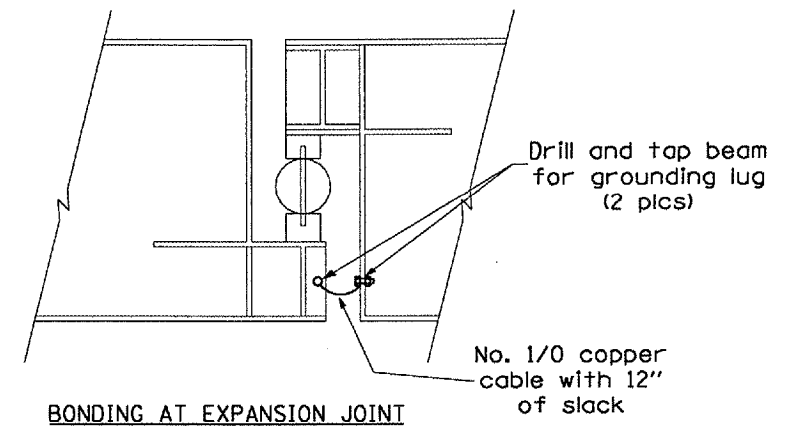
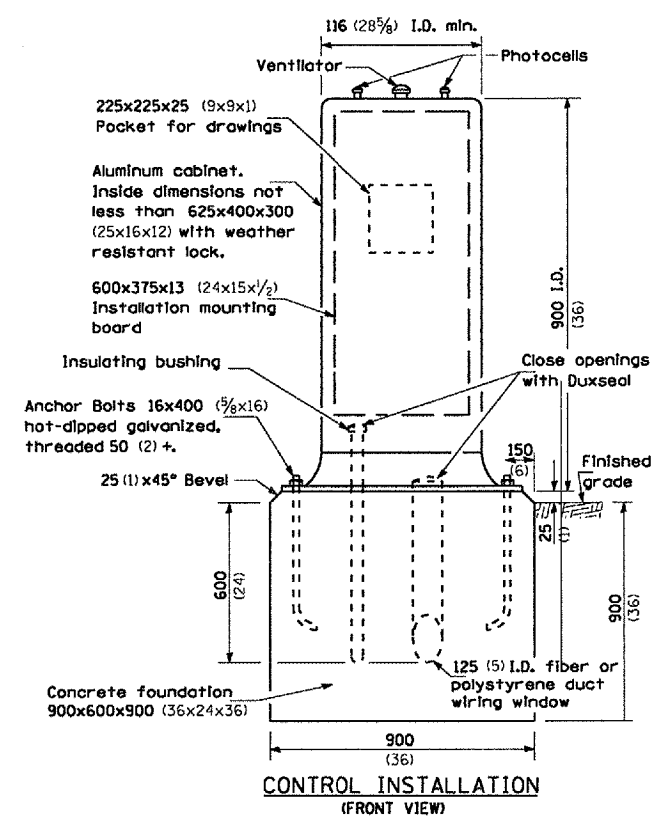
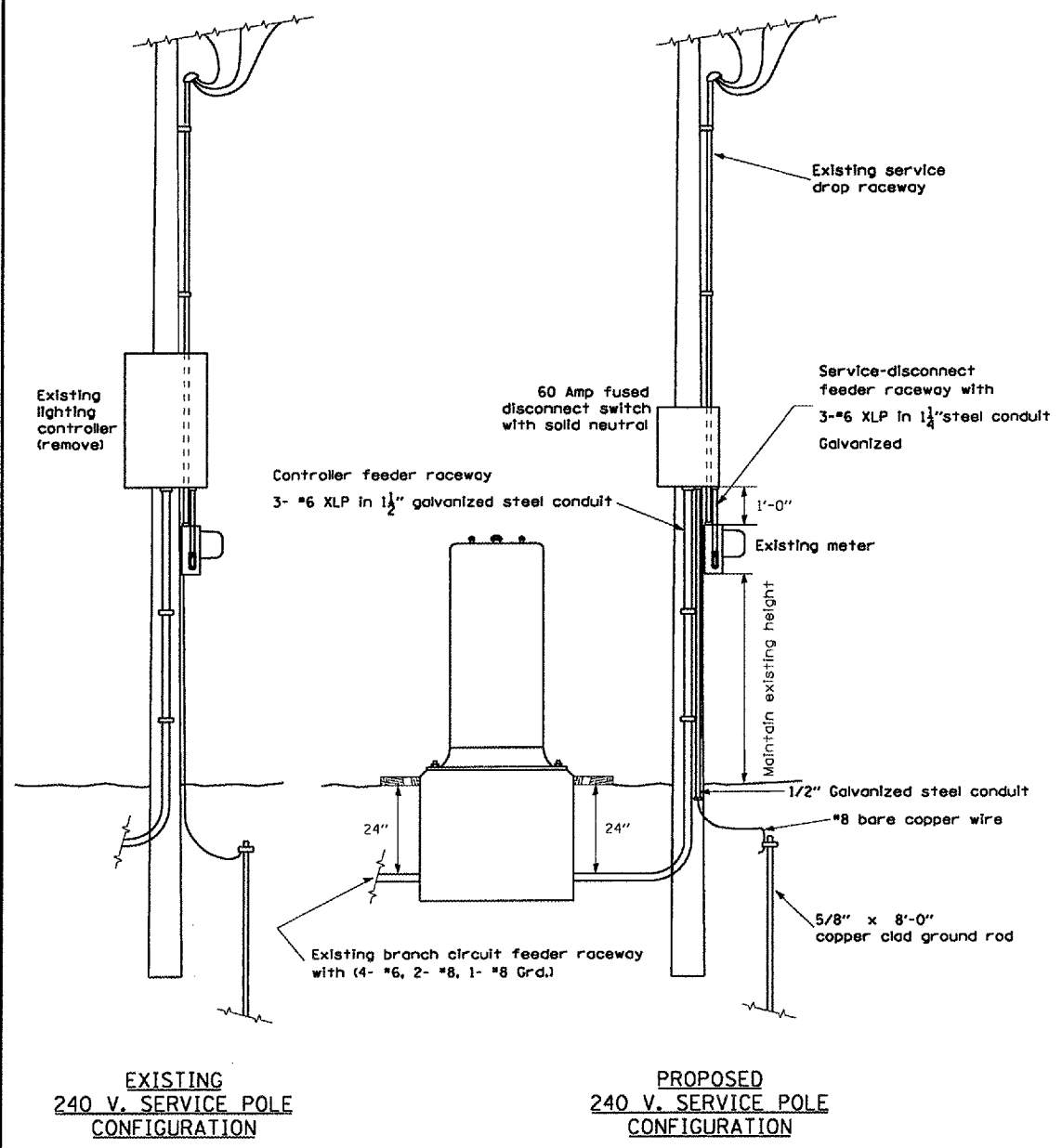
PLAN

REVISIONS	
NAME	DATE

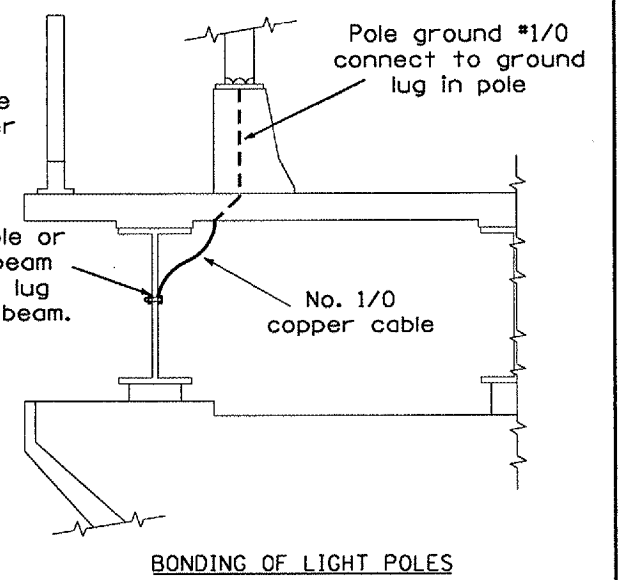
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 FAP 315 (US 136)
 SECTION (228H)
 HANCOCK COUNTY

DCN-SPEC
 DATE-TIME
 *REF-61

CONTRACT NO. T2A69				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(228L)	HANCOCK	13	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NOTE:
Sidewalk side of roadway shown, pole grounding for other side similar



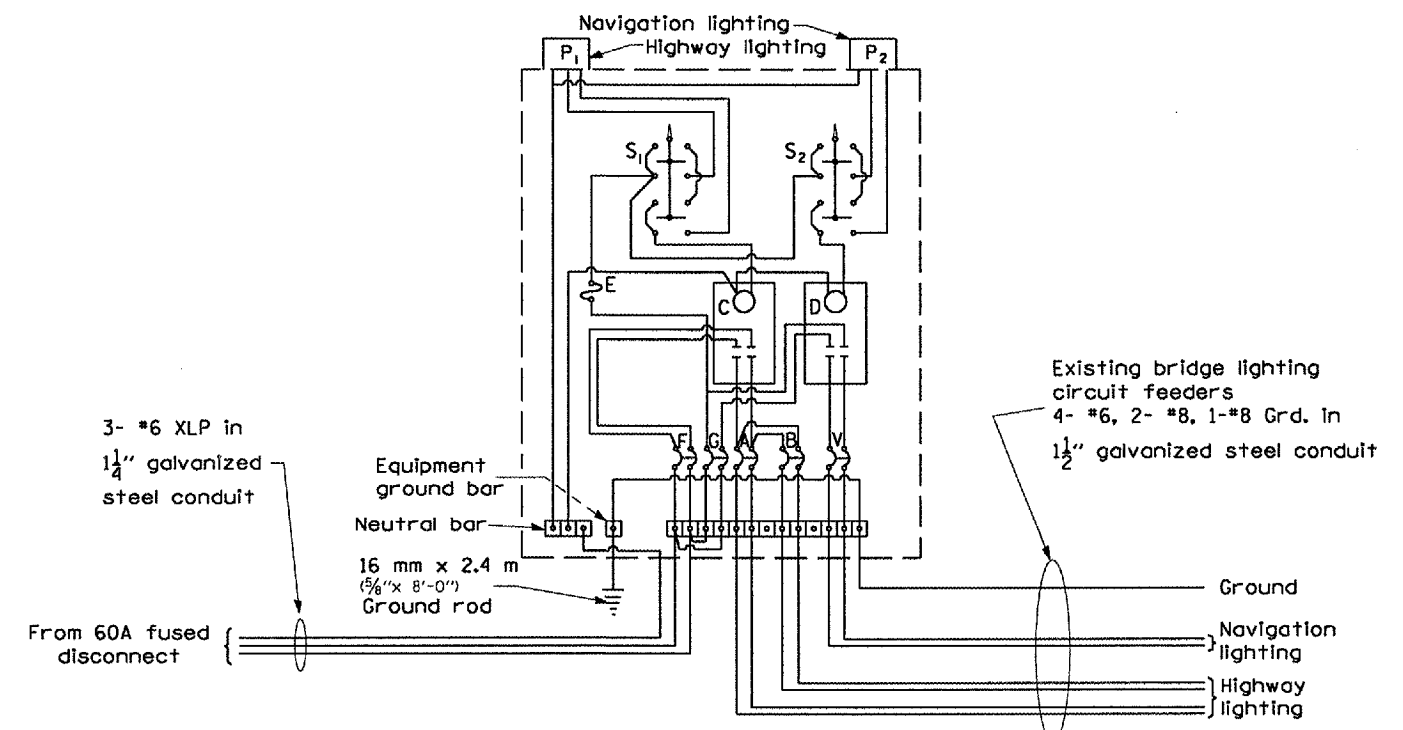
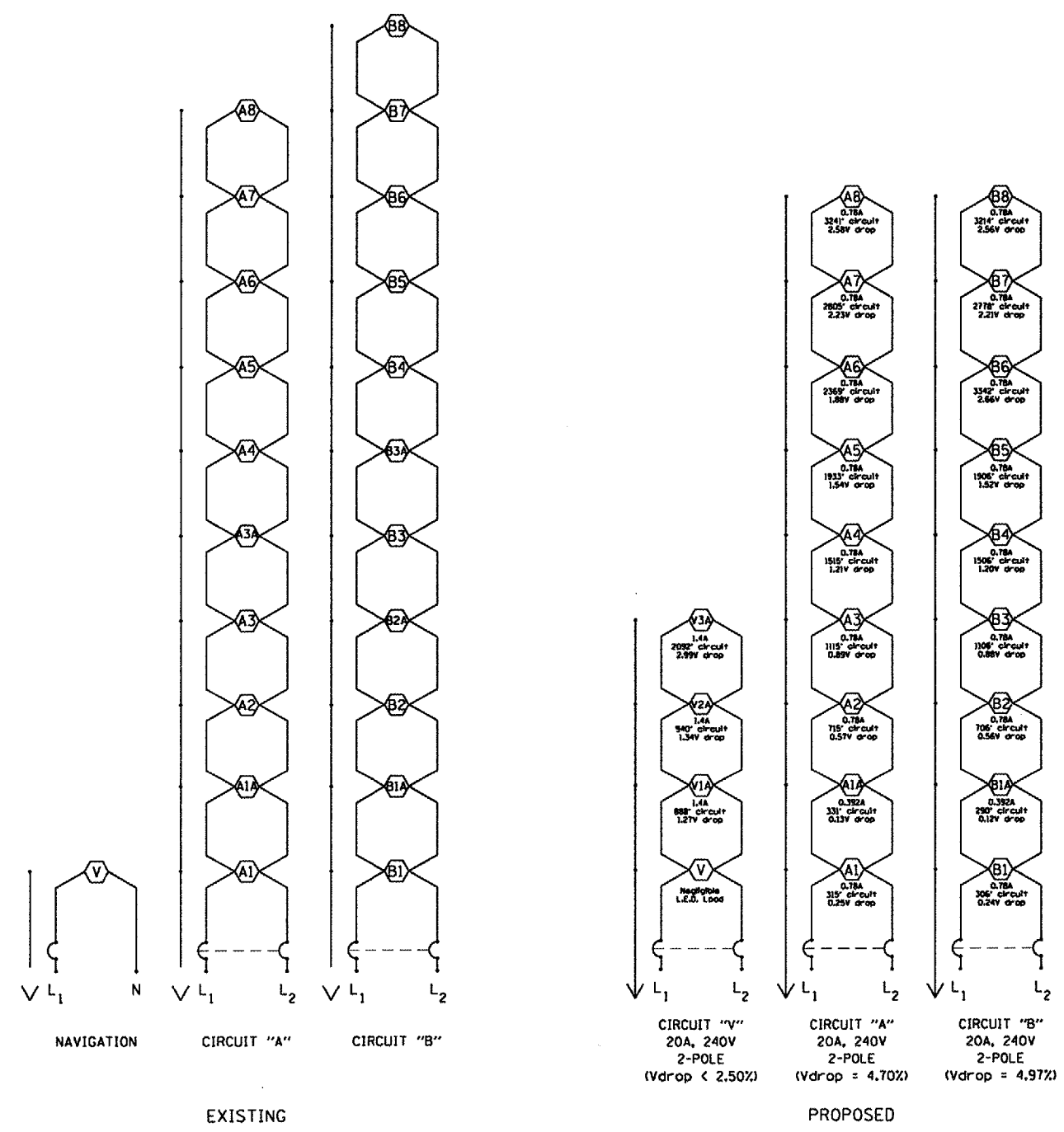
Wiring shall be panel board fashion.
All bends shall be right angles.
All runs shall be vertical or parallel to panel board.
Wires shall be grouped or laced.
All control installation components shall be U.L. listed.
Label equipment ground and neutral.
Raceways shall terminate 75 (3) above top of concrete foundation.
All dimensions are in millimeters unless otherwise shown.

PLT DATE * NOTES
FILE NAME * #FILES
PLT SCALE * #SIZES
USER NAME * #USERS

JLGT004

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CONTROL INSTALLATION DUAL
SCALE:	VERT. HORIZ.	DRAWN BY CHECKED BY
DATE		

CONTRACT NO. 72A69			
F.A.P. RYE.	SECTION	COUNTY	TOTAL SHEET NO.
315	122BIL	HANCOCK	13 13
STA. _____		TO STA. _____	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



WIRING DIAGRAM FOR PROPOSED CONTROLLER

- P₁, P₂ Photocells w/integral surge arrestors
- S₁, S₂ Selector switch
- C Contactor 40A., 2 pole, 240V.
- D Contactor, 30A., 2 pole, 240V.
- E 10A., Control fuse
- F 40A., 2 pole, main breaker
- G 30A., 2 pole, main breaker
- A, B 20A., 2 pole, branch circuit breaker (2 pbs)
- V 20A., 2 pole, branch circuit breaker

Wiring shall be panel board fashion.
 All bends shall be right angles.
 All runs shall be vertical or parallel to panel board.
 Wires shall be grouped or laced.
 All control installation components shall be U.L. listed.
 Label equipment ground and neutral.
 Raceways shall terminate 75 (3) above top of concrete foundation.
 All dimensions are in millimeters unless otherwise shown.

LOAD CONNECTION DIAGRAM

PLLOT DATE * NOTES
 FILE NAME * FILES
 USER NAME * USER
 USER ID * USER

JLGT004

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CONTROL INSTALLATION DUAL

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____