

FAP	RTE.	SECTION	COUNTY	TOTAL SHEET NO.
308	IL 92	1 HL	ROCK ISLAND	19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CONTRACT NO. 64N70
D-92-035-19

FOR INDEX OF SHEETS & STATE STANDARDS
SEE SHEET NO. 2

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 308 (IL 92)
SECTION 1HL
PROJECT NHPP - CK76(956)
ROCK ISLAND COUNTY
C-92-047-19

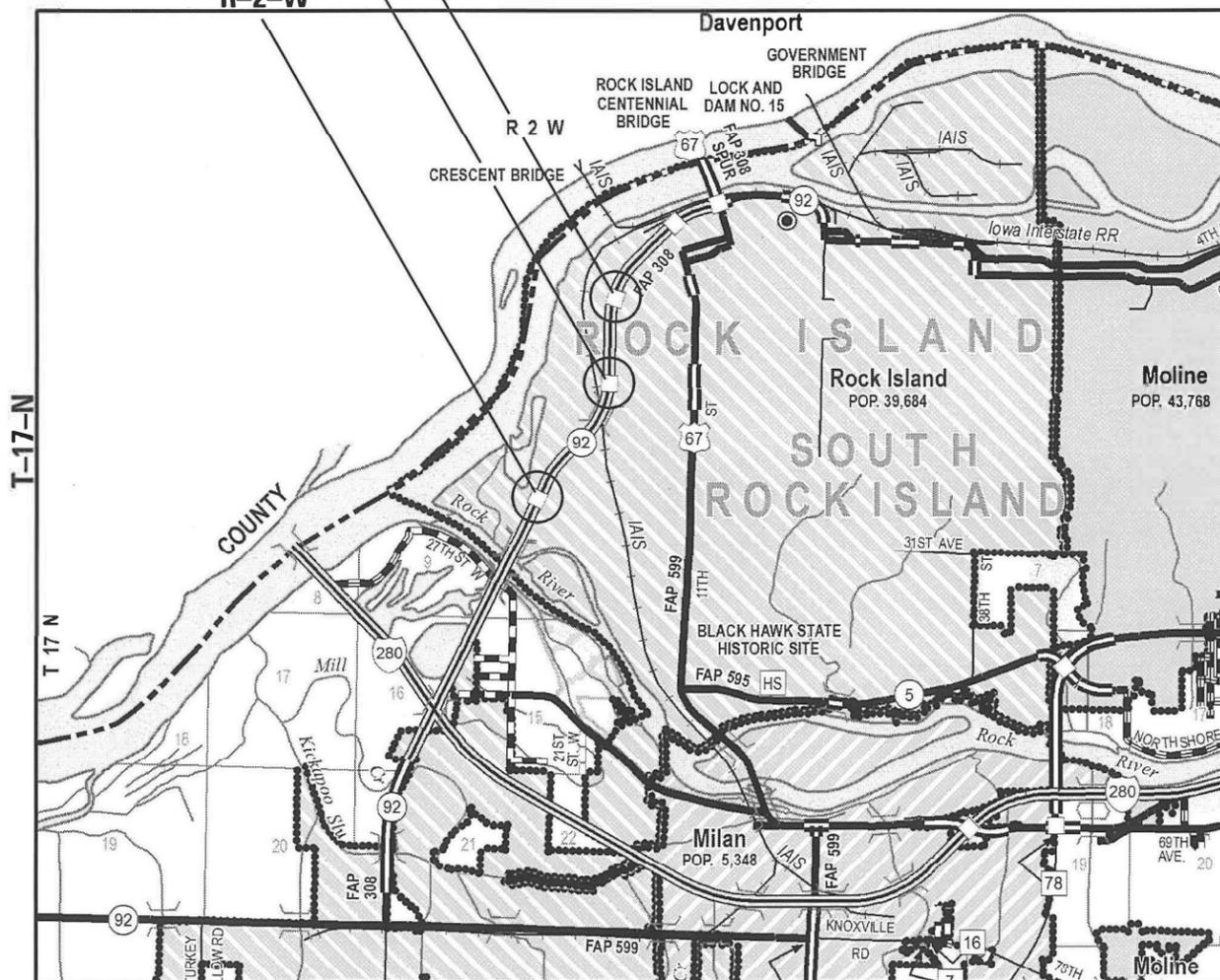


PROJECT ENDS
7th Avenue RAMPS

18th Avenue RAMPS

PROJECT BEGINS
31st Avenue RAMPS

R-2-W



PROJECT ENGINEER: SCOTT KULLERSTRAND (815) 284-5468

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

CONTRACT NO. 64N70

FAP 308 IL 92 SECTION 1HL

ROCK ISLAND COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 10, 20 20

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 2020 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2020 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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STATE STANDARDS

- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701406-12 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
- 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS > 45 MPH OR MORE
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
- 701456-05 PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-08 TRAFFIC CONTROL DEVICES
 - 821001 UNDERPASS LIGHTING WALL MOUNT
 - 821101-02 LUMINAIRE WIRING IN POLE
 - 825011-04 LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
 - 830011-03 LIGHT POLE STEEL MAST ARM
 - 836001-04 LIGHT POLE FOUNDATION
 - 838001-01 BREAKAWAY DEVICES

GENERAL NOTES

1. CONTRACTOR TO EXERCISE CAUTION WHEN INSTALLING FOUNDATIONS AND LIGHT POLES TO AVOID DAMAGE TO EXISTING AERIAL POWER CABLES AND ENSURE ADEQUATE HORIZONTAL CLEARANCE FROM OVERHEAD POWER LINES.
2. EXISTING LIGHTING TO BE REMOVED SHALL REMAIN UNTIL PROPOSED LIGHTING SYSTEM IS OPERATIONAL.
3. INSTALL NEW UNIT DUCT IN UNDERGROUND CASING UNDER THE ROADWAY AS SHOWN ON PLANS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS
AND GENERAL NOTES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	2
ILLINOIS			FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

SCHEDULE OF QUANTITIES

0021
80% FED
20% STATE
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	6
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	3
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	825
81104580	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	120
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	4
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	9790
82110000	INDEPENDENT LUMINAIRE TESTING	L SUM	1
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	39
82110019	LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION A	EACH	4
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	3
83060340	LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM	EACH	39
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	39
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	156
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	76
84200804	REMOVAL OF POLE FOUNDATION	EACH	76
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	3
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	20910
X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	680
X0327303	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	EACH	11
X8110454	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	240
X8420111	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	8

• SPECIALTY ITEMS

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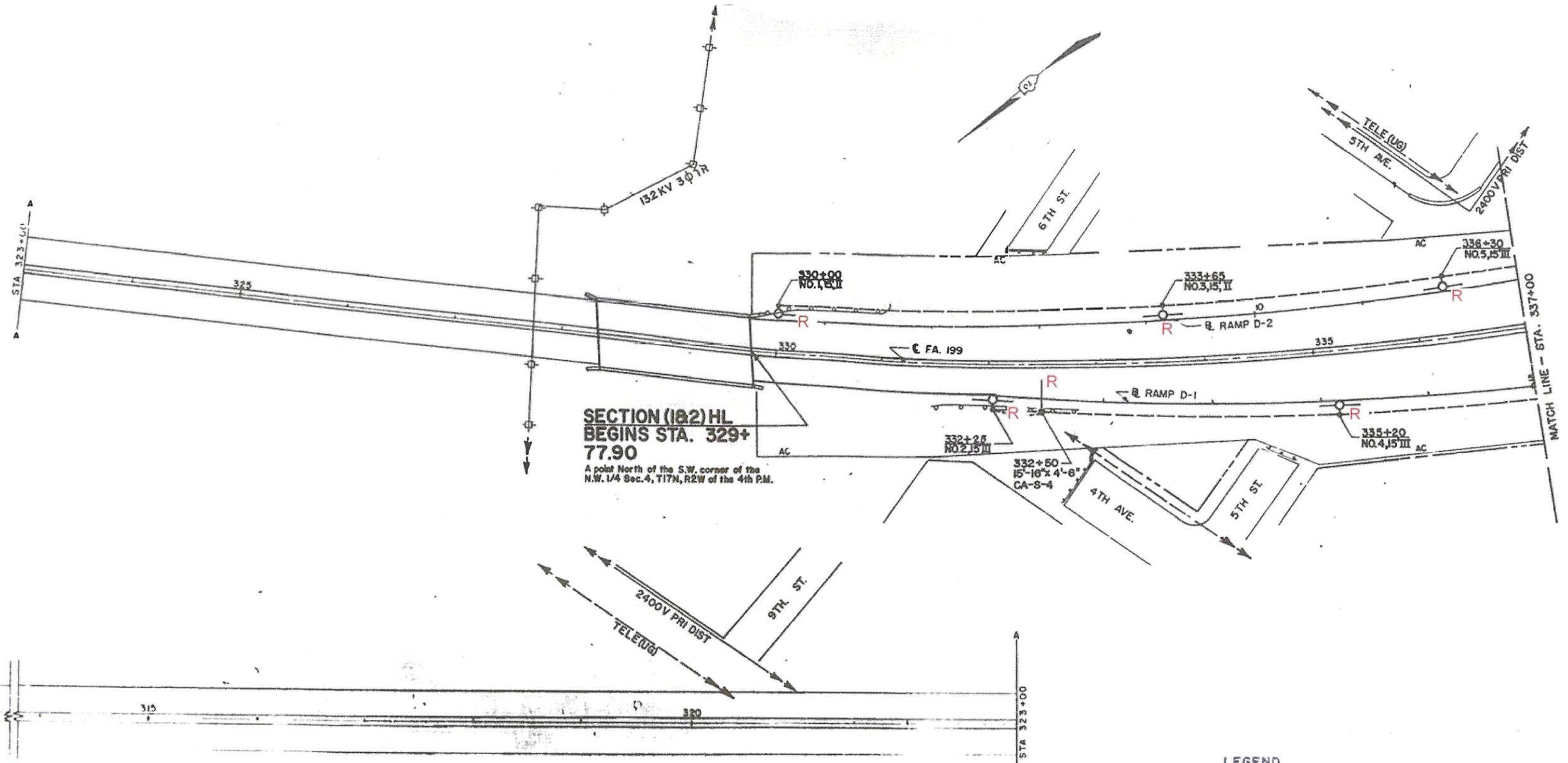
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	3
		CONTRACT NO. 64N70		
ILLINOIS FED. AID PROJECT				

LIGHTING REMOVAL PLANS



**SECTION (182) HL
BEGINS STA. 329+
77.90**
A point North of the S.W. corner of the
N.W. 1/4 Sec. 4, T17N, R2W of the 4th P.M.

- LEGEND**
- LIGHT POLE AND FOUNDATION TO BE REMOVED
 - NO. 7, 15, II Light number, Bracket arm length, Luminaire distribution pattern
 - UNDERPASS LIGHTING TO BE REMOVED
 - CONDUIT TO BE ABANDONED IN PLACE
 - CABLE TO BE REMOVED
 - SIGN LIGHTING TO BE REMOVED
 - JUNCTION BOX TO BE REMOVED
 - LIGHTING CONTROLLER TO BE REMOVED

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 4 TOTALS	5	0	1	5	0	1340	0

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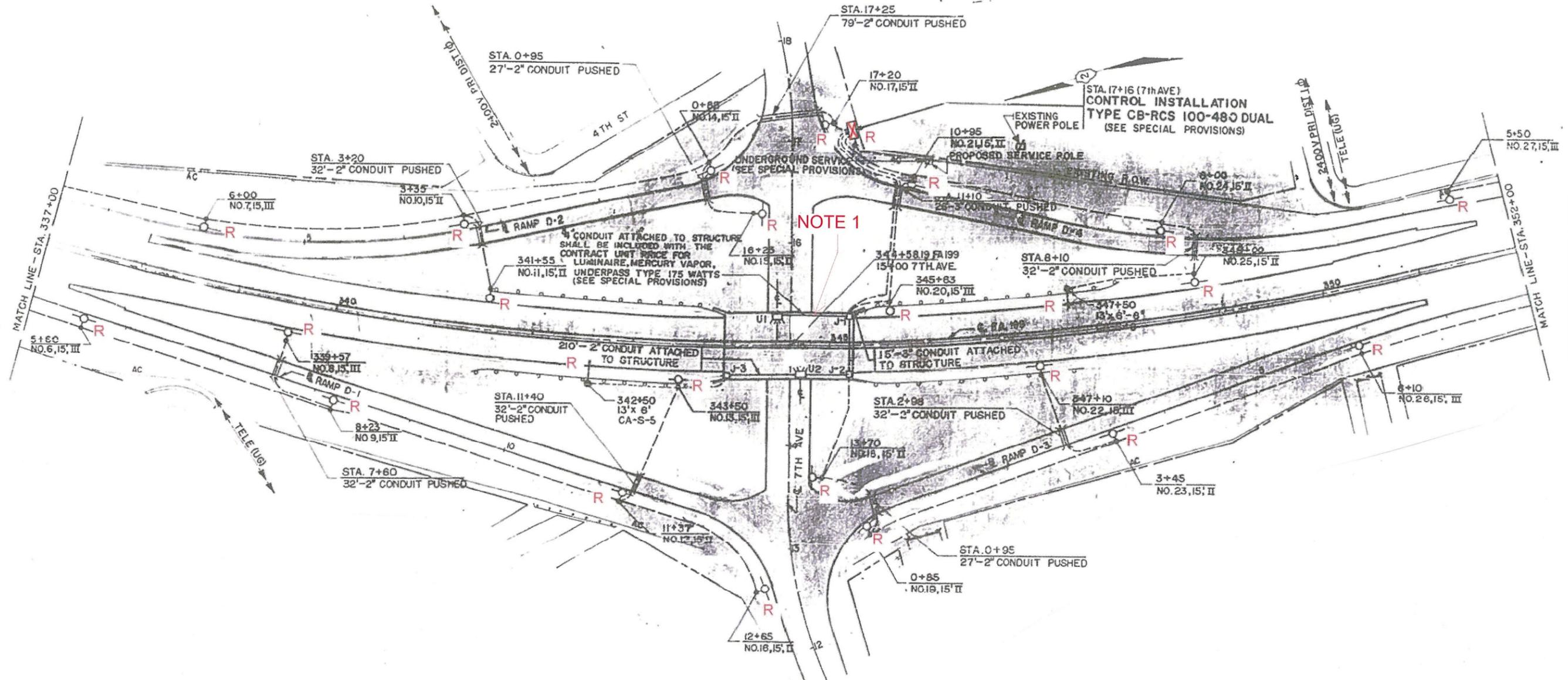
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS
IL 92 NORTH OF 7th AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N70	

LIGHTING REMOVAL PLANS



NOTE 1
CONDUIT ATTACHED TO STRUCTURE SHALL BE INCLUDED WITH THE CONTRACT UNIT PRICE FOR LUMINAIRE, MERCURY VAPOR, UNDERPASS TYPE 175 WATTS (SEE SPECIAL PROVISIONS)

NOTES:
1. SEE UNDERPASS LIGHTING DETAIL REMOVAL PLAN SHEET 12

LEGEND

- LIGHT POLE AND FOUNDATION TO BE REMOVED
- NO. 7, 15, II Light number, Bracket arm length, Luminaire distribution pattern
- UNDERPASS LIGHTING TO BE REMOVED
- CONDUIT TO BE ABANDONED IN PLACE
- CABLE TO BE REMOVED
- SIGN LIGHTING TO BE REMOVED
- JUNCTION BOX TO BE REMOVED
- LIGHTING CONTROLLER TO BE REMOVED

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 5 TOTALS	23	0	2	23	1	4575	0

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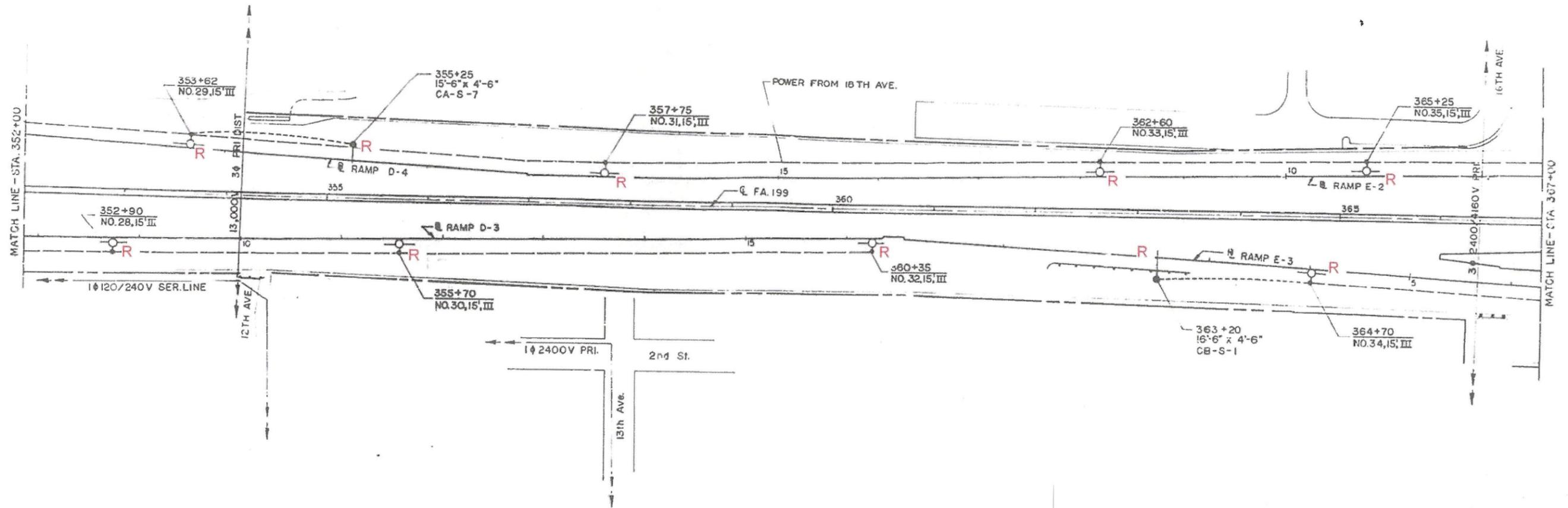
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING REMOVAL PLANS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 92 AT 7th AVE		308	1 HL	ROCK ISLAND	19	5
SCALE:	SHEET OF SHEETS	STA.	TO STA.			

ILLINOIS FED. AID PROJECT		CONTRACT NO. 64N70	
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LIGHTING REMOVAL PLANS



- LEGEND**
- LIGHT POLE AND FOUNDATION TO BE REMOVED
 - NO. 7, 15, II Light number, Bracket arm length, Luminaire distribution pattern
 - UNDERPASS LIGHTING TO BE REMOVED
 - CONDUIT TO BE ABANDONED IN PLACE
 - CABLE TO BE REMOVED
 - SIGN LIGHTING TO BE REMOVED
 - JUNCTION BOX TO BE REMOVED
 - LIGHTING CONTROLLER TO BE REMOVED

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 6 TOTALS	8	0	2	8	0	3100	0

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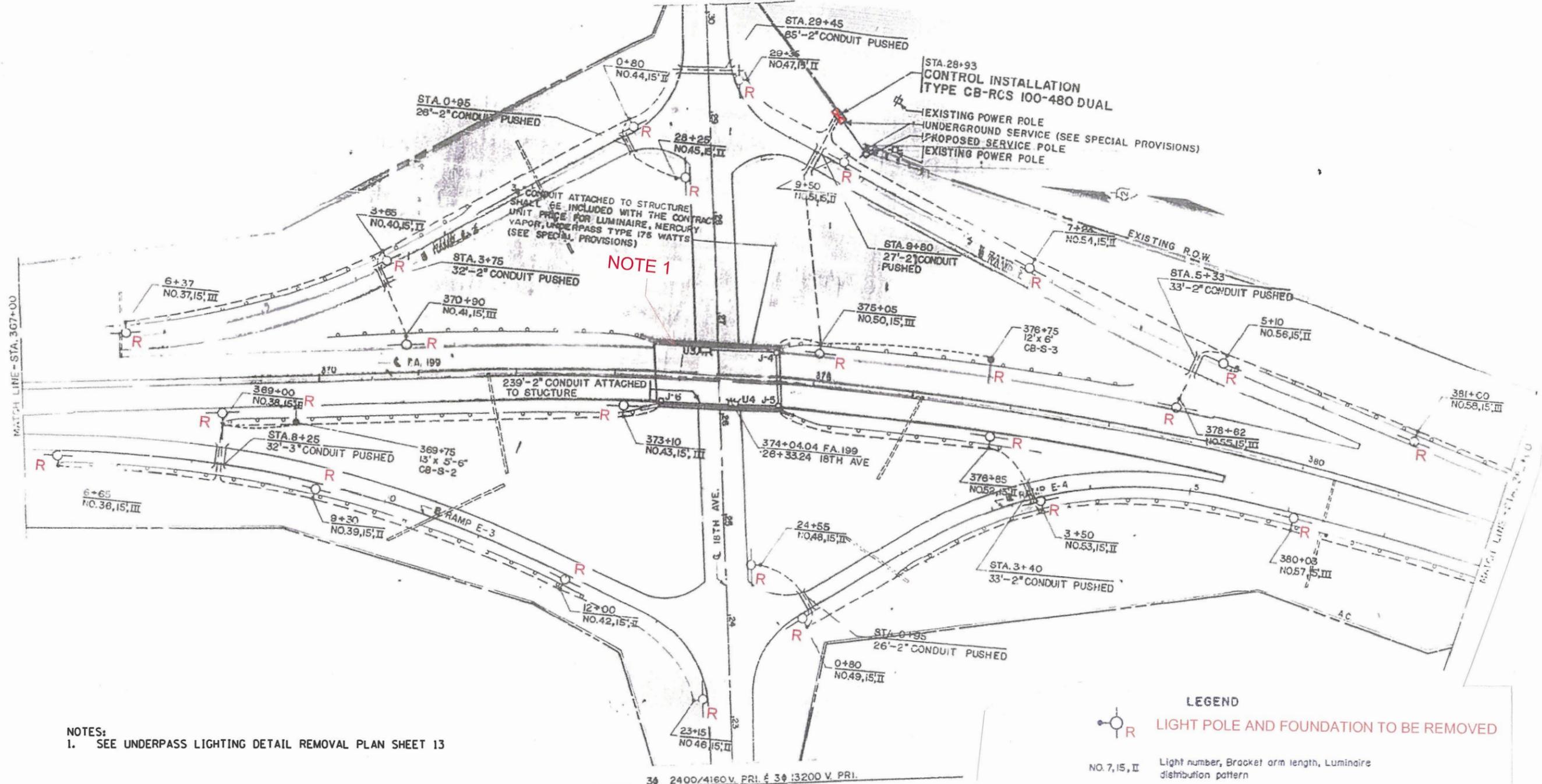
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS	
IL 92 BETWEEN 7th AVE and 18th AVE	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	6
CONTRACT NO. 64N70				
ILLINOIS FED. AID PROJECT				

LIGHTING REMOVAL PLANS



NOTES:
 1. SEE UNDERPASS LIGHTING DETAIL REMOVAL PLAN SHEET 13

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 7 TOTALS	23	0	2	23	1	5120	0

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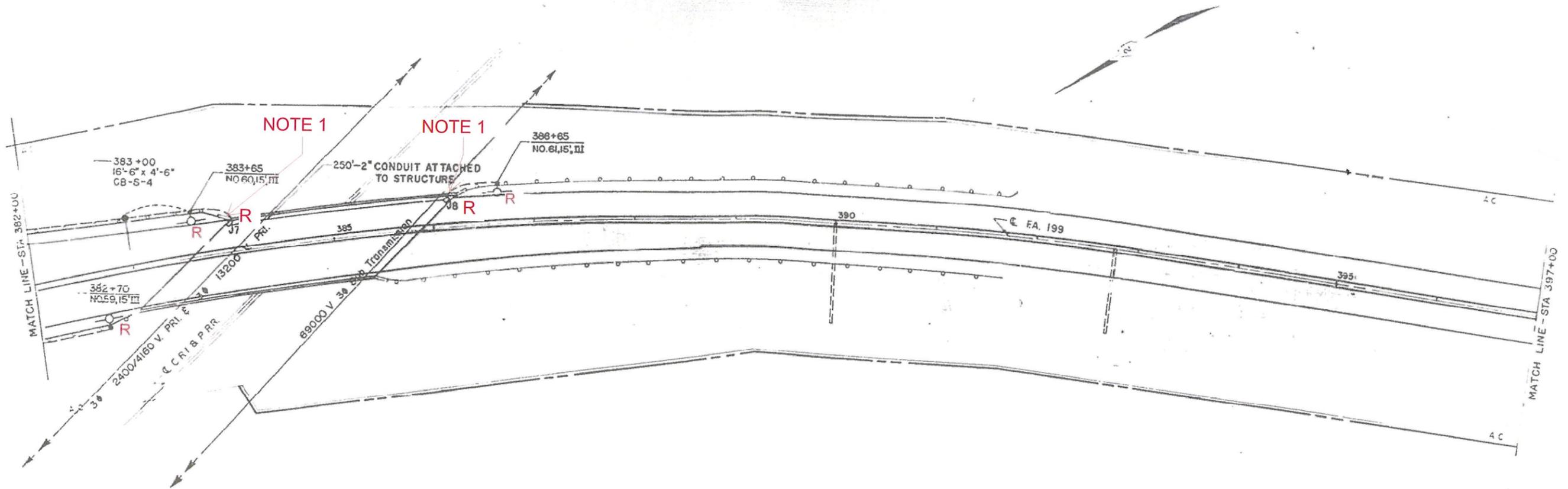
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS
 IL 92 AT 18th AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N70	

LIGHTING REMOVAL PLANS



NOTE
 1. THE COST OF REMOVING EXISTING JUNCTION BOX ATTACHED TO STRUCTURE IS INCLUDED IN THE PRICE OF THE "REMOVE CONDUIT ATTACHED TO STRUCTURE" (X0323710) PAY ITEM.

- LEGEND**
- LIGHT POLE AND FOUNDATION TO BE REMOVED
 - NO. 7, 15, II Light number, Bracket arm length, Luminaire distribution pattern
 - UNDERPASS LIGHTING TO BE REMOVED
 - CONDUIT TO BE ABANDONED IN PLACE
 - CABLE TO BE REMOVED
 - SIGN LIGHTING TO BE REMOVED
 - JUNCTION BOX TO BE REMOVED
 - LIGHTING CONTROLLER TO BE REMOVED

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 8 TOTALS	3	0	1	3	0	675	250

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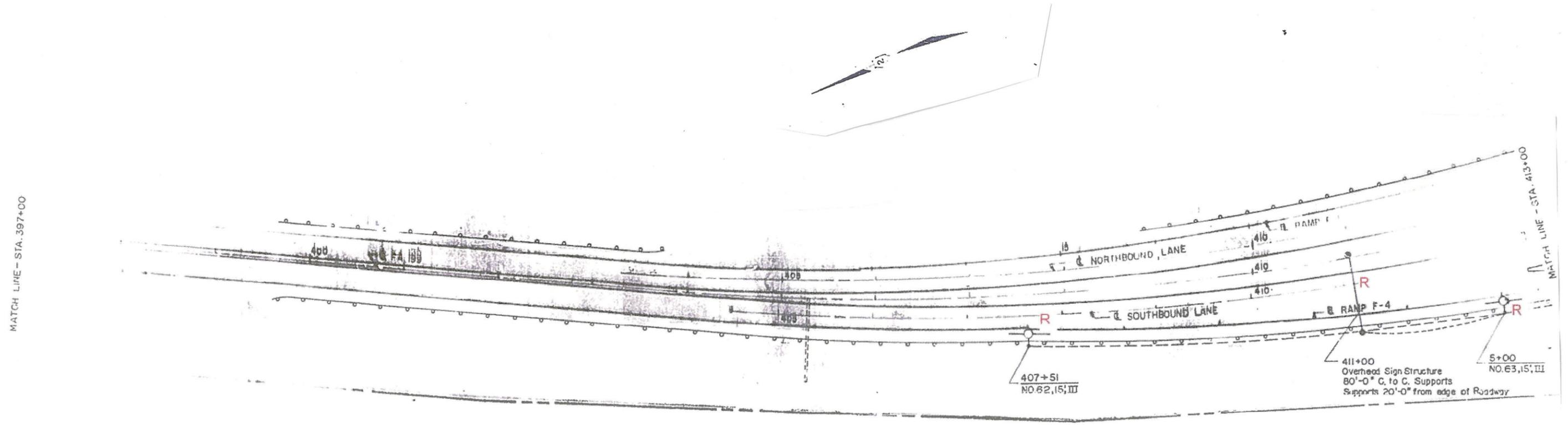
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS
 IL 92 SOUTH OF 18th AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	8
			CONTRACT NO. 64N70	
ILLINOIS FED. AID PROJECT				

LIGHTING REMOVAL PLANS



- LEGEND**
- LIGHT POLE AND FOUNDATION TO BE REMOVED
 - NO. 7, 15, II Light number, Bracket arm length, Luminaire distribution pattern
 - UNDERPASS LIGHTING TO BE REMOVED
 - CONDUIT TO BE ABANDONED IN PLACE
 - CABLE TO BE REMOVED
 - SIGN LIGHTING TO BE REMOVED
 - JUNCTION BOX TO BE REMOVED
 - LIGHTING CONTROLLER TO BE REMOVED

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 9 TOTALS	2	0	1	2	0	725	0

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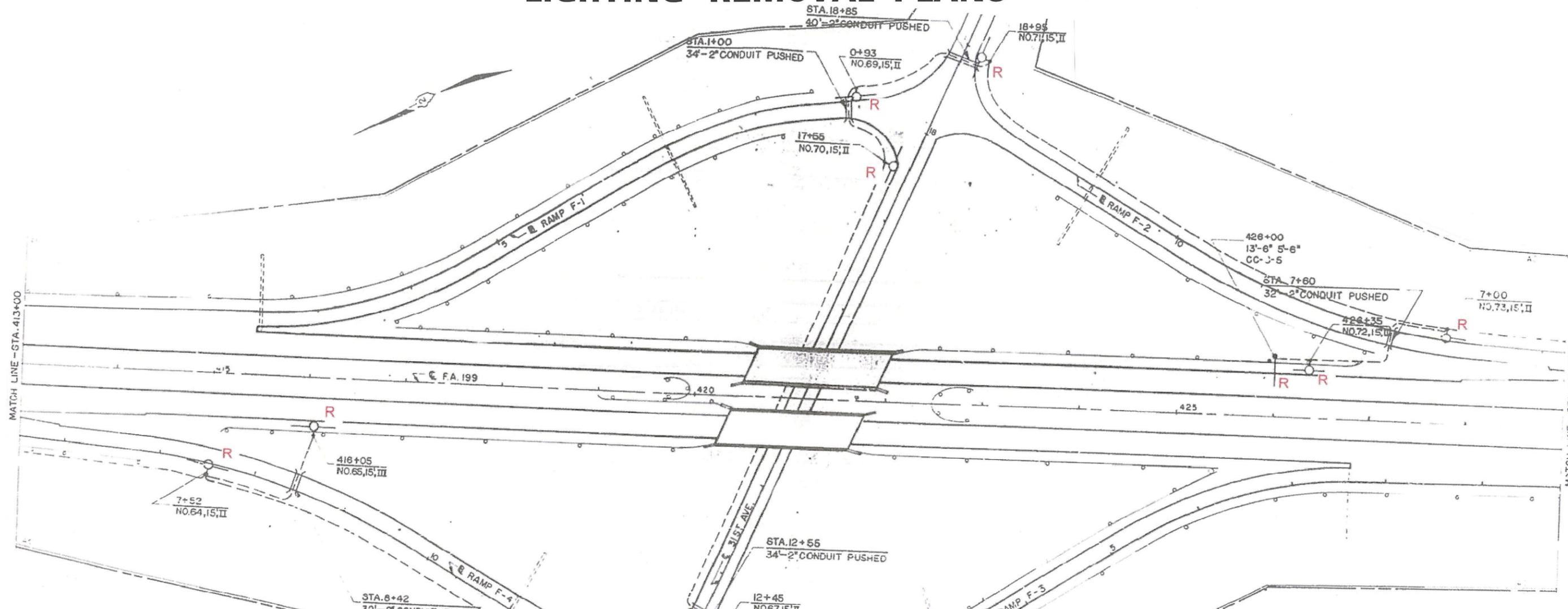
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING REMOVAL PLANS			
IL 92 NORTH OF 31st AVE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	9
CONTRACT NO. 64N70				
ILLINOIS FED. AID PROJECT				

LIGHTING REMOVAL PLANS



CODE NO.	84200600	X8420111	X0327303
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE
PROPOSED TOTALS	76	8	11
SHEET 10 TOTALS	10	0	1

CODE NO.	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	3	20910	680
SHEET 10 TOTALS	10	1	3375	0

LEGEND

- LIGHT POLE AND FOUNDATION TO BE REMOVED
- NO. 7, 15, II Light number, Bracket arm length, Luminaire distribution pattern
- UNDERPASS LIGHTING TO BE REMOVED
- CONDUIT TO BE ABANDONED IN PLACE
- CABLE TO BE REMOVED
- SIGN LIGHTING TO BE REMOVED
- JUNCTION BOX TO BE REMOVED
- LIGHTING CONTROLLER TO BE REMOVED

HIGH WATER ELEVATION 563.75

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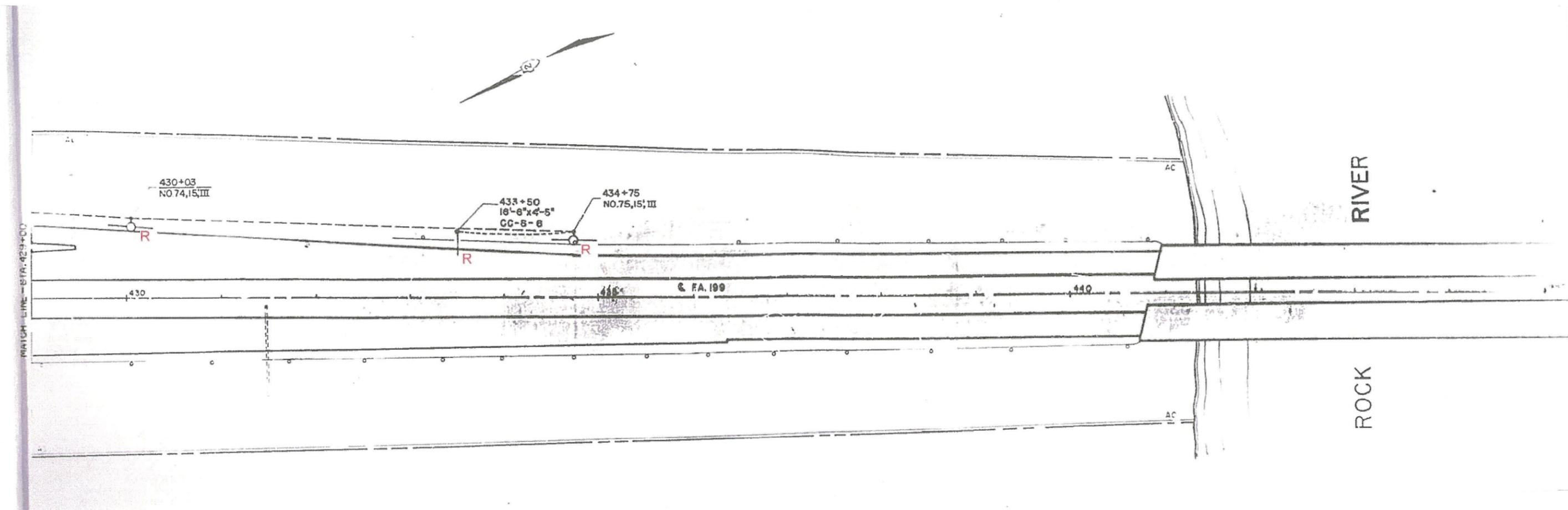
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 92 AT 31st AVE		308	1 HL	ROCK ISLAND	19	10
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

CONTRACT NO. 64N70		ILLINOIS FED. AID PROJECT	
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LIGHTING REMOVAL PLANS



- LEGEND**
- LIGHT POLE AND FOUNDATION TO BE REMOVED
 - NO. 7, 15, II Light number, Bracket arm length, Luminaire distribution pattern
 - UNDERPASS LIGHTING TO BE REMOVED
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 - SIGN LIGHTING TO BE REMOVED
 - JUNCTION BOX TO BE REMOVED
 - LIGHTING CONTROLLER TO BE REMOVED

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 11 TOTALS	2	0	1	2	0	750	0

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLANS
IL 92 SOUTH OF 31st AVE**

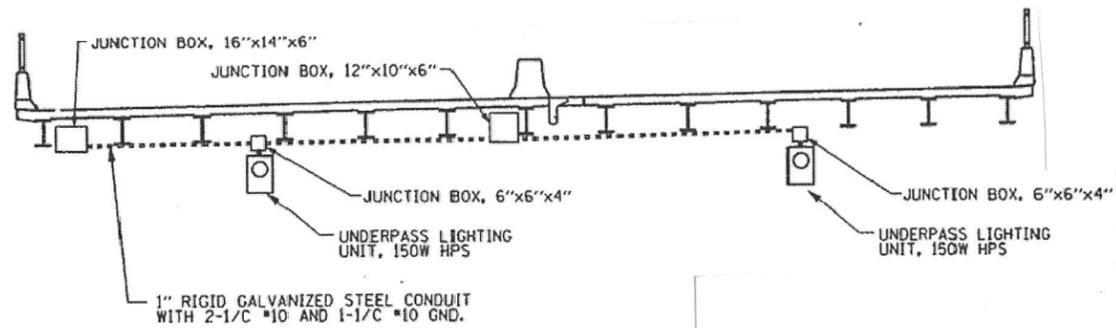
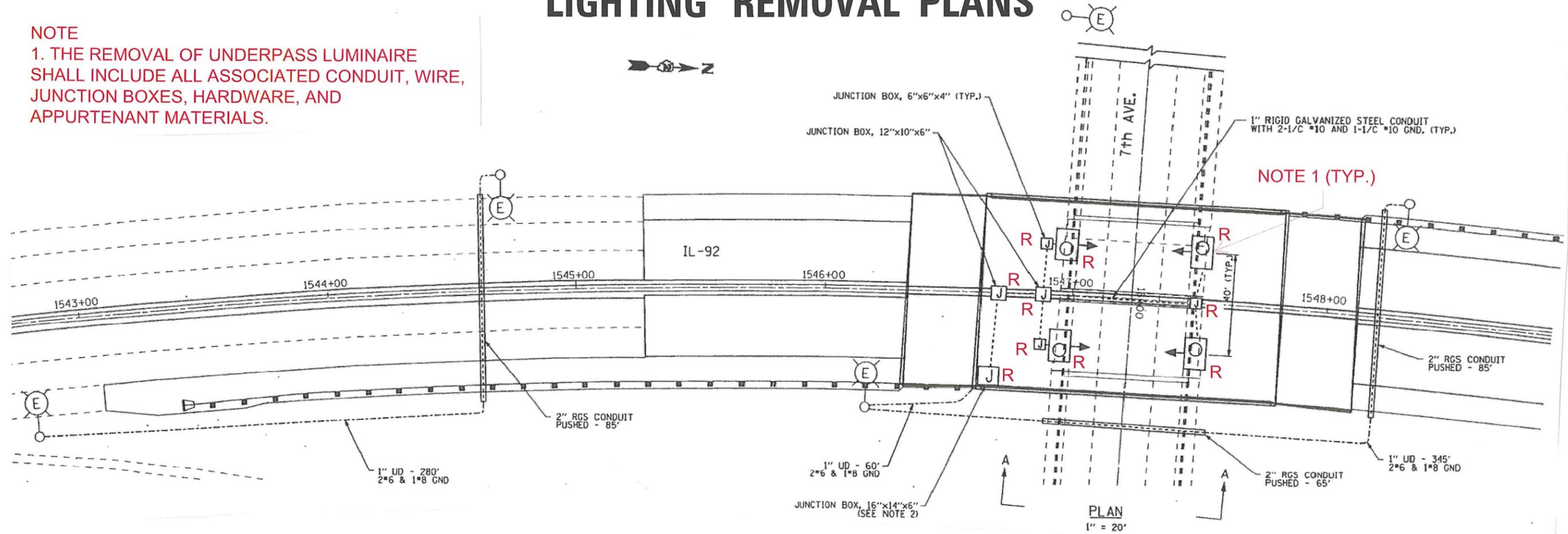
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N70	

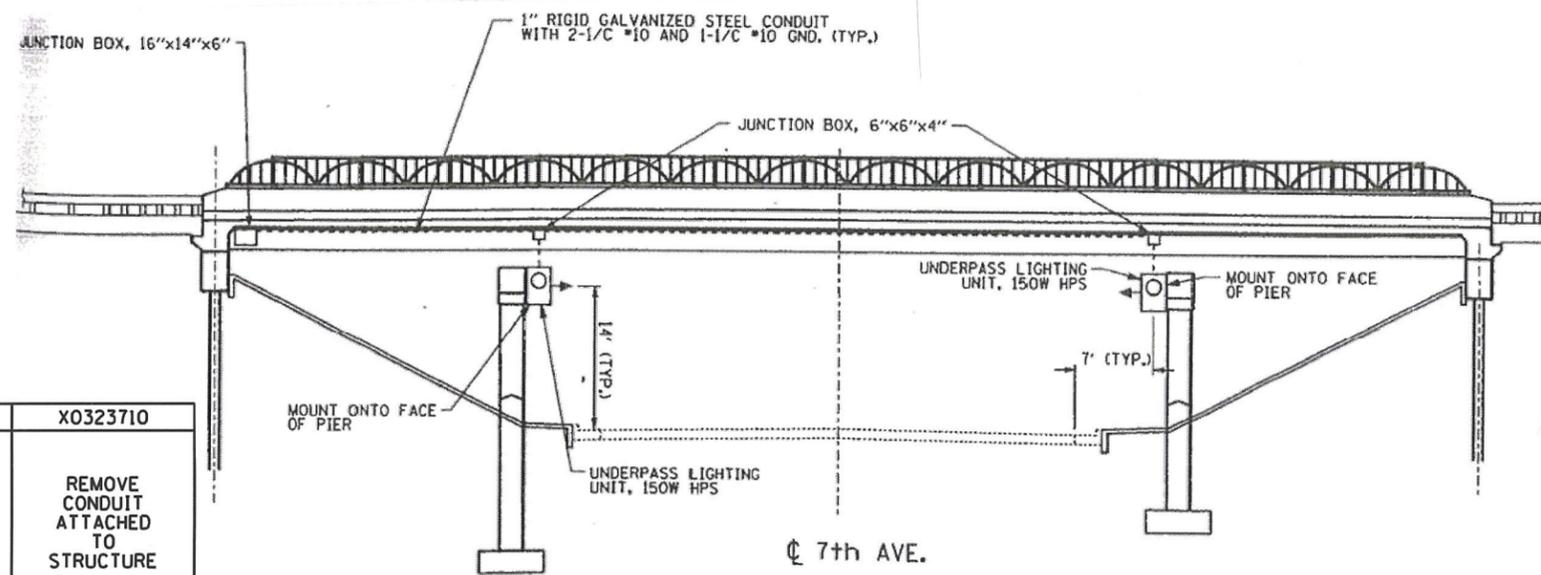
LIGHTING REMOVAL PLANS

NOTE

1. THE REMOVAL OF UNDERPASS LUMINAIRE SHALL INCLUDE ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, HARDWARE, AND APPURTENANT MATERIALS.



SECTION THROUGH BRIDGE
LOOKING SOUTH
NOT TO SCALE



SECTION A-A
LOOKING WEST
NOT TO SCALE

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 12 TOTALS	0	4	0	0	0	625	215

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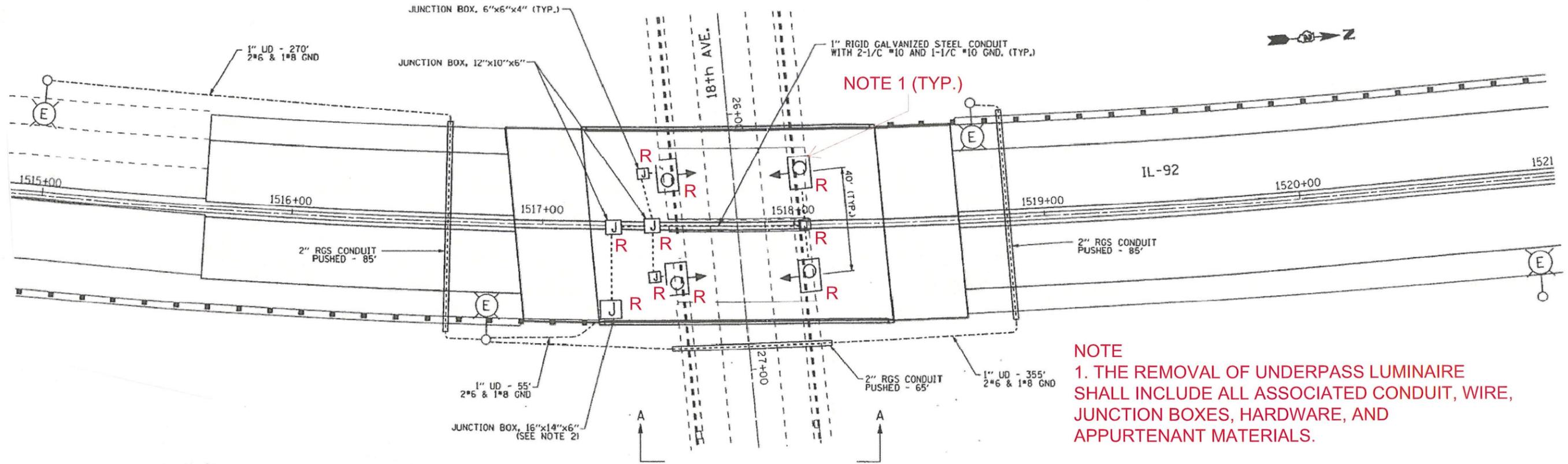
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS
7th AVE UNDERPASS

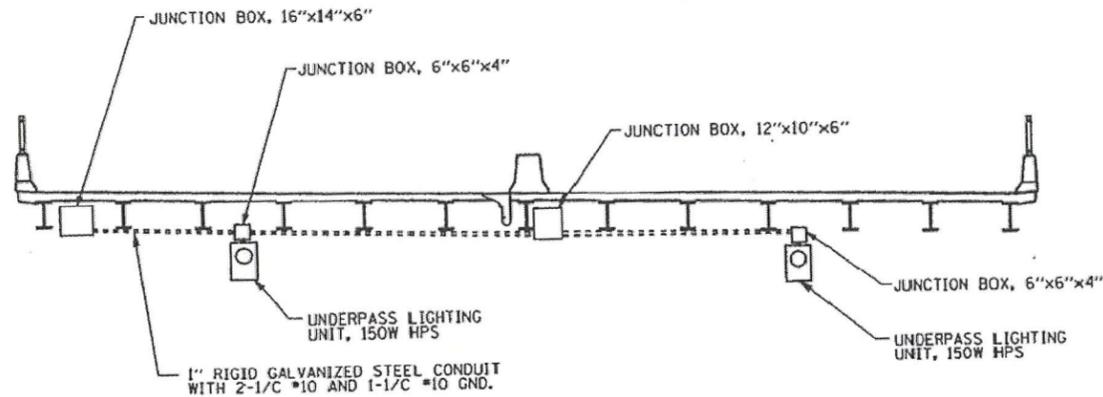
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	12
CONTRACT NO. 64N70			ILLINOIS FED. AID PROJECT	

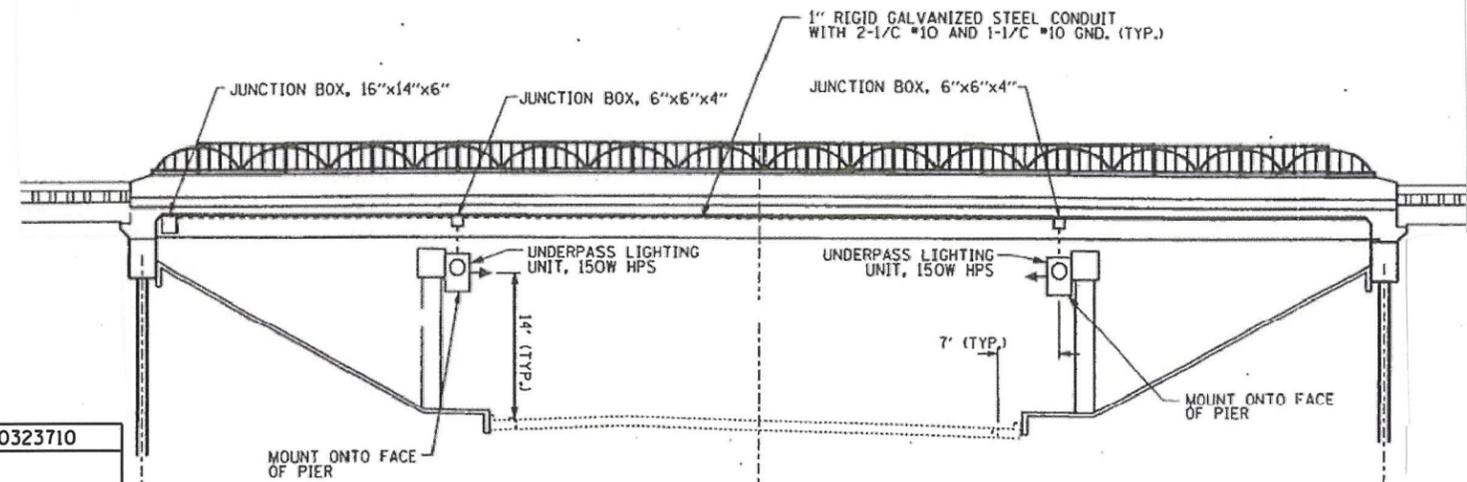
LIGHTING REMOVAL PLANS



NOTE
 1. THE REMOVAL OF UNDERPASS LUMINAIRE SHALL INCLUDE ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, HARDWARE, AND APPURTENANT MATERIALS.



SECTION THROUGH BRIDGE
 LOOKING SOUTH
 NOT TO SCALE



18th AVE.

SECTION A-A
 LOOKING WEST
 NOT TO SCALE

CODE NO.	84200600	X8420111	X0327303	84200804	84500110	89502300	X0323710
ITEM	REMOVAL OF LIGHTING UNIT, NO SALVAGE	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	REMOVAL OF POLE FOUNDATION	REMOVAL OF LIGHTING CONTROLLER	REMOVE ELECTRIC CABLE FROM CONDUIT	REMOVE CONDUIT ATTACHED TO STRUCTURE
PROPOSED TOTALS	76	8	11	76	3	20910	680
SHEET 13 TOTALS	0	4	0	0	0	625	215

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS
 18th AVE UNDERPASS

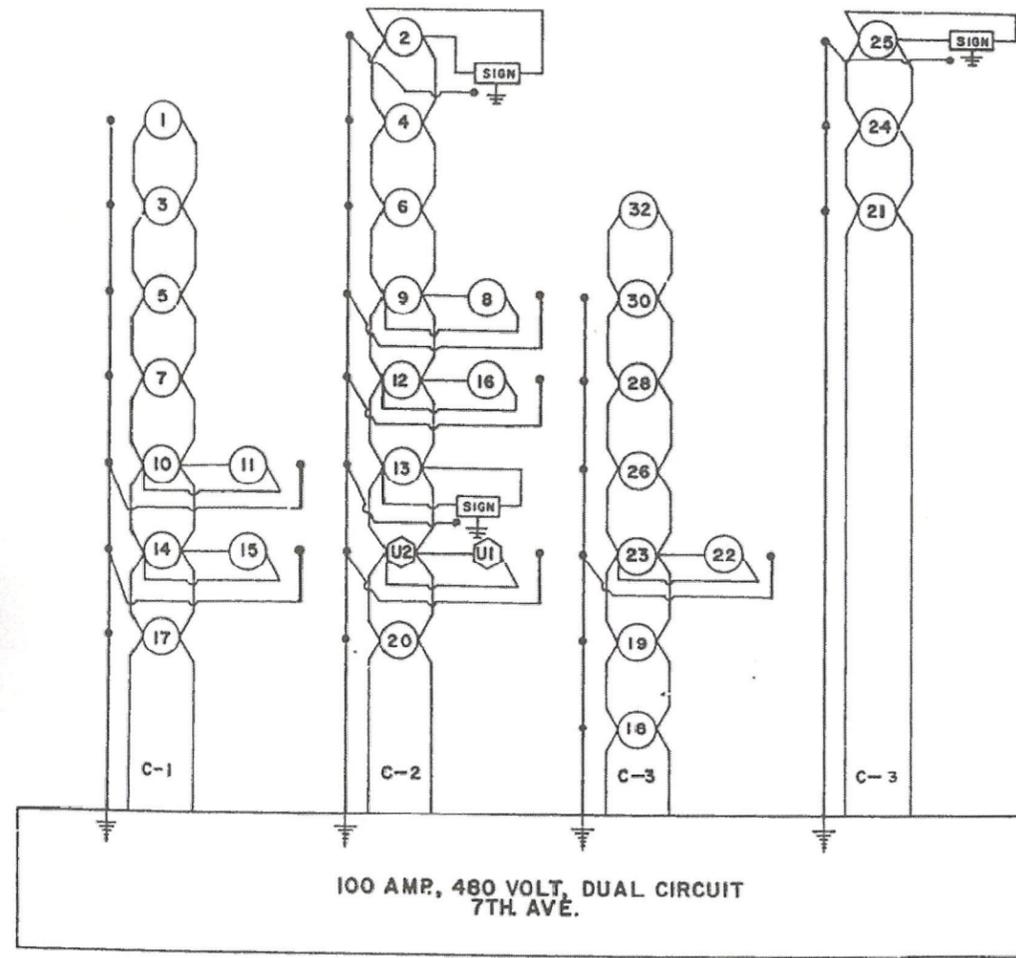
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	13
CONTRACT NO. 64N70				
ILLINOIS FED. AID PROJECT				

LIGHTING REMOVAL WIRING DIAGRAMS

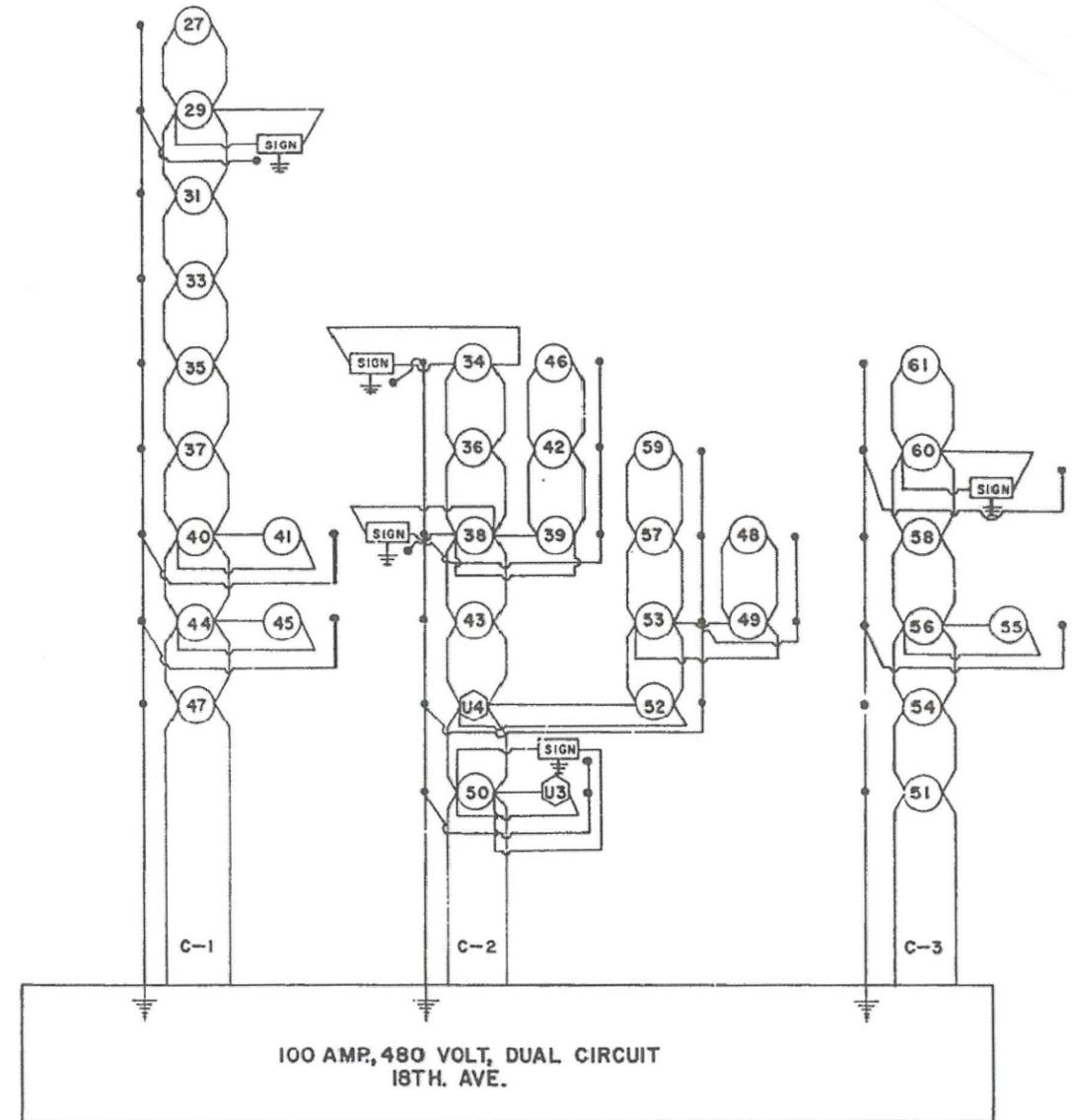
WIRING DIAGRAM

7TH. AVE.



WIRING DIAGRAM

18TH. AVE.



45 700 WATT LUMINAIRE
 U2 175 WATT UNDERPASS LUMINAIRE
 SIGN SIGN LIGHTING UNITS
 #6 BARE CONTINUOUS GROUND WIRE IN TRENCH OUTSIDE OF UNIT DUCT

FOR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

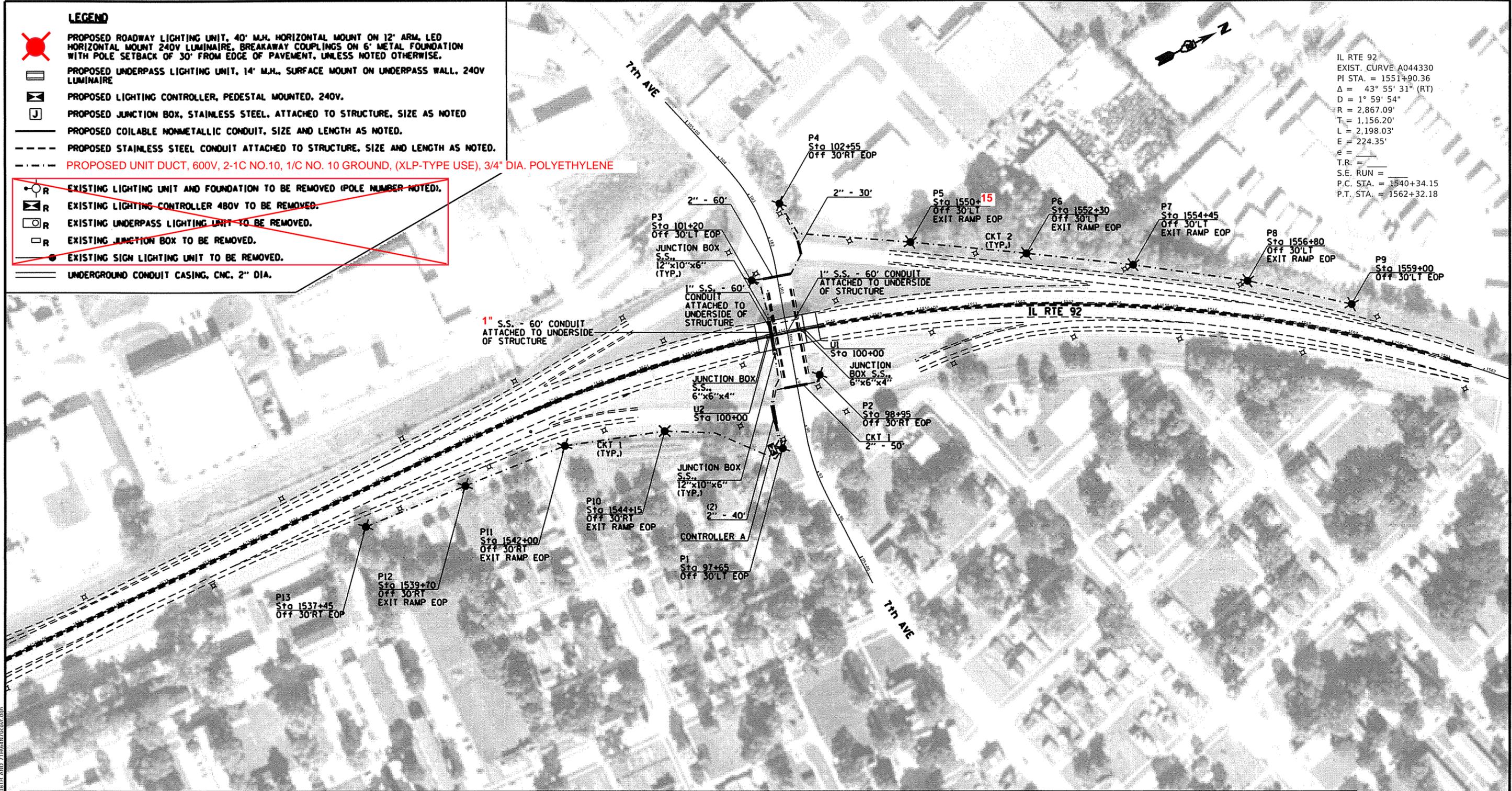
LIGHTING REMOVAL WIRING DIAGRAMS
IL 92 AT 7th AVE and IL 92 AT 18th AVE
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	14
CONTRACT NO. 64N70				
ILLINOIS FED. AID PROJECT				

LEGEND

-  PROPOSED ROADWAY LIGHTING UNIT, 40' M.H. HORIZONTAL MOUNT ON 12' ARM, LED HORIZONTAL MOUNT 240V LUMINAIRE, BREAKAWAY COUPLINGS ON 6' METAL FOUNDATION WITH POLE SETBACK OF 30' FROM EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
-  PROPOSED UNDERPASS LIGHTING UNIT, 14' M.H., SURFACE MOUNT ON UNDERPASS WALL, 240V LUMINAIRE
-  PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V.
-  PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
-  PROPOSED COILABLE NONMETALLIC CONDUIT, SIZE AND LENGTH AS NOTED.
-  PROPOSED STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE, SIZE AND LENGTH AS NOTED.
-  PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
-  EXISTING LIGHTING UNIT AND FOUNDATION TO BE REMOVED (POLE NUMBER NOTED).
-  EXISTING LIGHTING CONTROLLER 480V TO BE REMOVED.
-  EXISTING UNDERPASS LIGHTING UNIT TO BE REMOVED.
-  EXISTING JUNCTION BOX TO BE REMOVED.
-  EXISTING SIGN LIGHTING UNIT TO BE REMOVED.
-  UNDERGROUND CONDUIT CASING, CNC, 2" DIA.

IL RTE 92
 EXIST. CURVE A044330
 PI STA. = 1551+90.36
 $\Delta = 43^\circ 55' 31''$ (RT)
 $D = 1^\circ 59' 54''$
 $R = 2,867.09'$
 $T = 1,156.20'$
 $L = 2,198.03'$
 $E = 224.35'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 1540+34.15$
 $P.T. STA. = 1562+32.18$



CODE NO.	80400100	81028750	81104580	81300220	81300530	81603010	82110008	82110019	82500330	83060340	83600356	83800650	X8110454
ITEM	ELECTRIC SERVICE INSTALLATION	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION A	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
PROPOSED TOTALS	3	825	120	4	4	9790	39	4	3	39	39	156	240
SHEET 15 TOTALS	1	220	60	2	2	3135	13	2	1	13	13	52	120

~~CABLE SCHEDULE~~
 --- UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

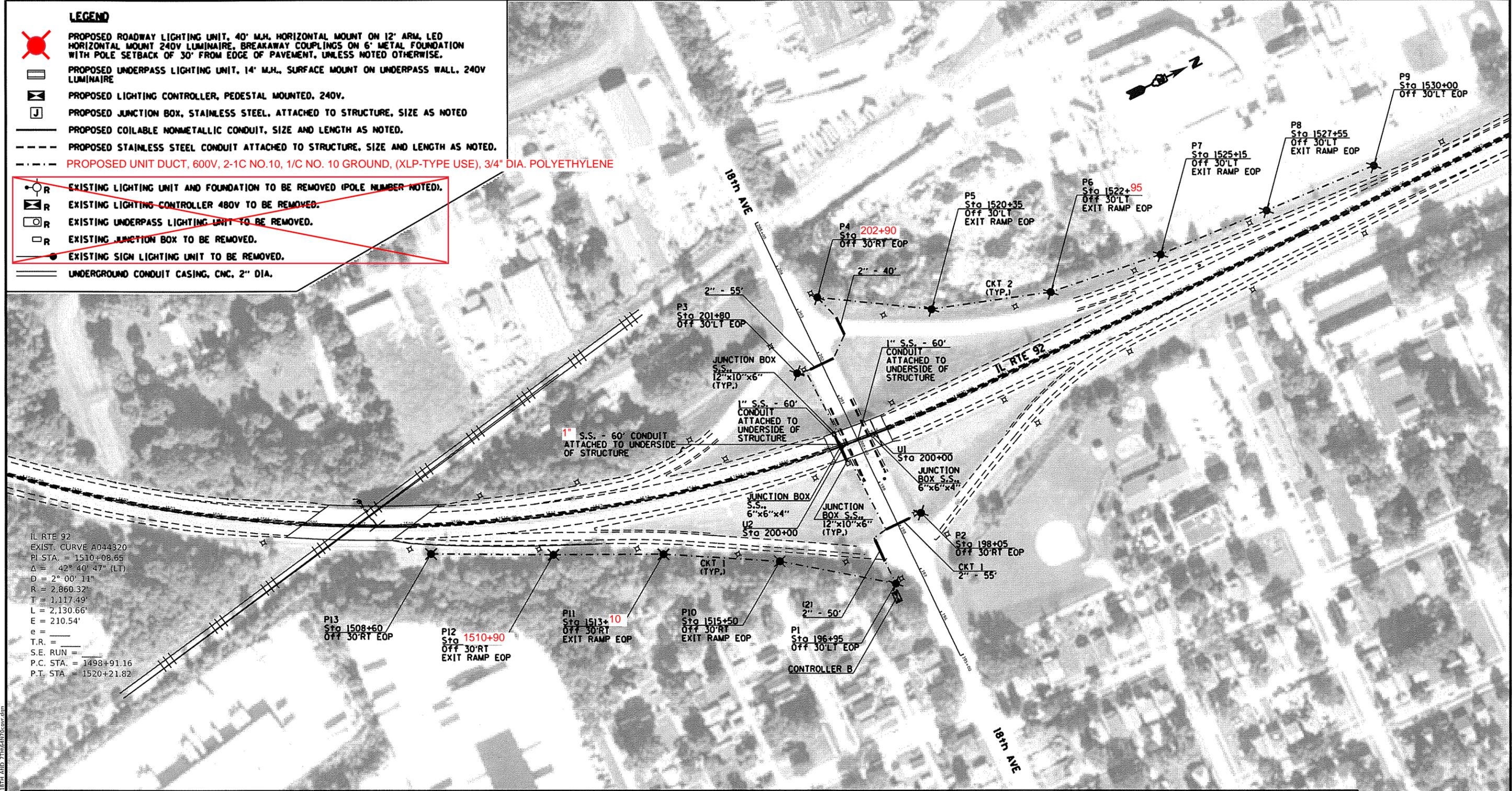
PROPOSED LIGHTING PLAN
IL 92 AT 7th AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 308	SECTION 1 HL	COUNTY ROCK ISLAND	TOTAL SHEETS 19	SHEET NO. 15
ILLINOIS		FED. AID PROJECT		

LEGEND

-  PROPOSED ROADWAY LIGHTING UNIT, 40' M.H. HORIZONTAL MOUNT ON 12" ARM, LED HORIZONTAL MOUNT 240V LUMINAIRE, BREAKAWAY COUPLINGS ON 6" METAL FOUNDATION WITH POLE SETBACK OF 30' FROM EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
-  PROPOSED UNDERPASS LIGHTING UNIT, 14' M.H., SURFACE MOUNT ON UNDERPASS WALL, 240V LUMINAIRE
-  PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V.
-  PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
-  PROPOSED COILABLE NONMETALLIC CONDUIT, SIZE AND LENGTH AS NOTED.
-  PROPOSED STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE, SIZE AND LENGTH AS NOTED.
-  PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
-  EXISTING LIGHTING UNIT AND FOUNDATION TO BE REMOVED (POLE NUMBER NOTED).
-  EXISTING LIGHTING CONTROLLER 480V TO BE REMOVED.
-  EXISTING UNDERPASS LIGHTING UNIT TO BE REMOVED.
-  EXISTING JUNCTION BOX TO BE REMOVED.
-  EXISTING SIGN LIGHTING UNIT TO BE REMOVED.
-  UNDERGROUND CONDUIT CASING, CNC, 2" DIA.



IL RTE 92
 EXIST. CURVE A044320
 PI STA. = 1510+08.65
 Δ = 42° 40' 47" (LT)
 D = 2° 00' 11"
 R = 2,860.32'
 T = 1,117.49'
 L = 2,130.66'
 E = 210.54'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 1498+91.16
 P.T. STA. = 1520+21.82

CODE NO.	80400100	81028750	81104580	81300220	81300530	81603010	82110008	82110019	82500330	83060340	83600356	83800650	X8110454
ITEM	ELECTRIC SERVICE INSTALLATION	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION A	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
PROPOSED TOTALS	3	825	120	4	4	9790	39	4	3	39	39	156	240
SHEET 16 TOTALS	1	250	60	2	2	3270	13	2	1	13	13	52	120

~~CABLE SCHEDULE~~
~~UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE~~

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 IL 92 AT 18th AVE**

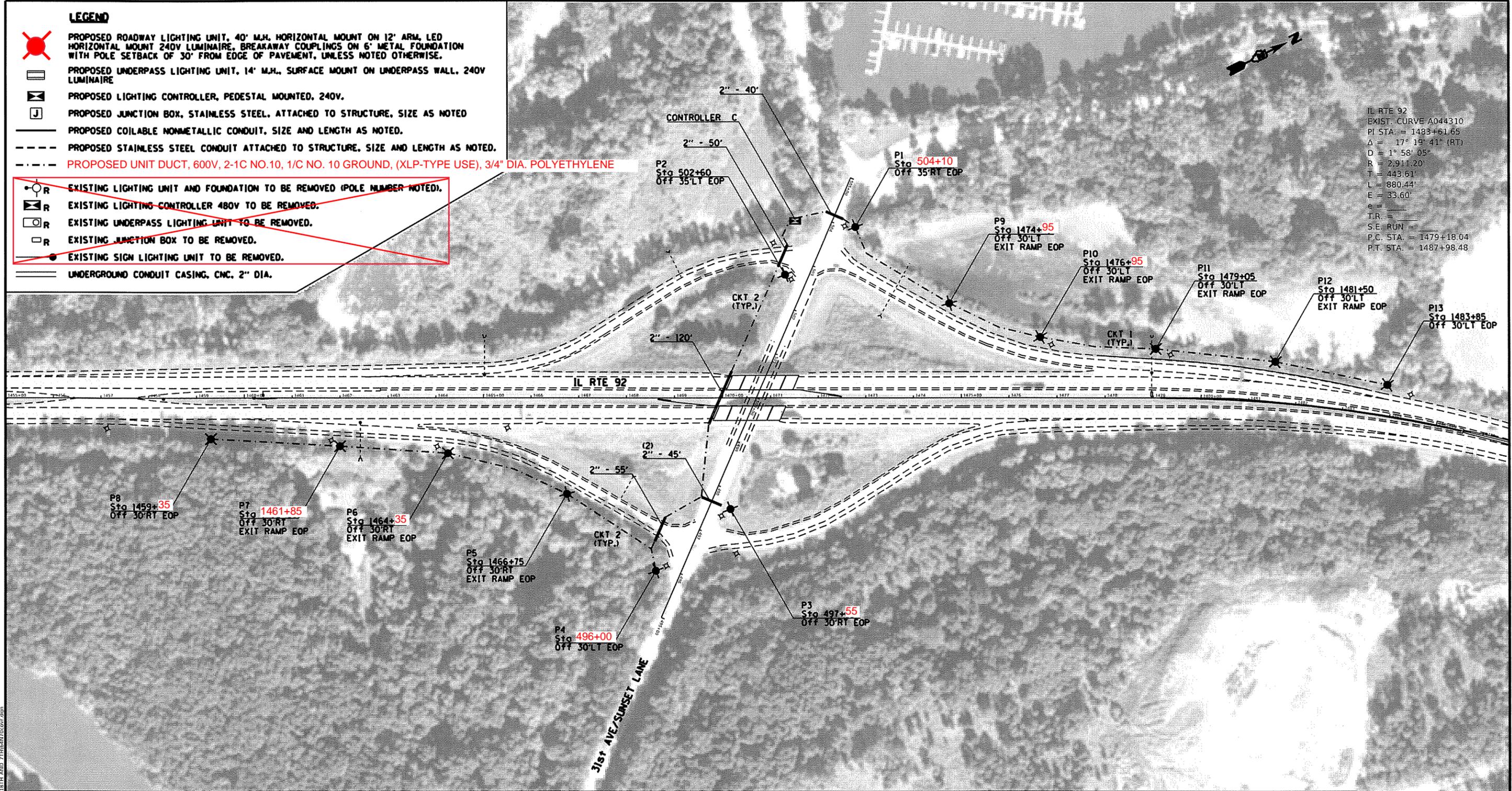
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N70	

LEGEND

-  PROPOSED ROADWAY LIGHTING UNIT, 40' M.H. HORIZONTAL MOUNT ON 12' ARM, LED HORIZONTAL MOUNT 240V LUMINAIRE, BREAKAWAY COUPLINGS ON 6' METAL FOUNDATION WITH POLE SETBACK OF 30' FROM EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
-  PROPOSED UNDERPASS LIGHTING UNIT, 14' M.H., SURFACE MOUNT ON UNDERPASS WALL, 240V LUMINAIRE
-  PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V.
-  PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
-  PROPOSED COILABLE NONMETALLIC CONDUIT, SIZE AND LENGTH AS NOTED.
-  PROPOSED STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE, SIZE AND LENGTH AS NOTED.
-  PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
-  EXISTING LIGHTING UNIT AND FOUNDATION TO BE REMOVED (POLE NUMBER NOTED).
-  EXISTING LIGHTING CONTROLLER 480V TO BE REMOVED.
-  EXISTING UNDERPASS LIGHTING UNIT TO BE REMOVED.
-  EXISTING JUNCTION BOX TO BE REMOVED.
-  EXISTING SIGN LIGHTING UNIT TO BE REMOVED.
-  UNDERGROUND CONDUIT CASING, CNC, 2" DIA.

IL RTE 92
 EXIST. CURVE A044310
 PI STA. = 1483+61.65
 Δ = 17° 19' 41" (RT)
 D = 1° 58' 05"
 R = 2,911.20'
 T = 443.61'
 L = 880.44'
 E = 33.60'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 1479+18.04
 P.T. STA. = 1487+98.48



CODE NO.	80400100	81028750	81104580	81300220	81300530	81603010	82110008	82110019	82500330	83060340	83600356	83800650	X8110454
ITEM	ELECTRIC SERVICE INSTALLATION	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION A	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
PROPOSED TOTALS	3	825	120	4	4	9790	39	4	3	39	39	156	240
SHEET 17 TOTALS	1	355	0	0	0	3385	13	0	1	13	13	52	0

~~CABLE SCHEDULE~~
 --- UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

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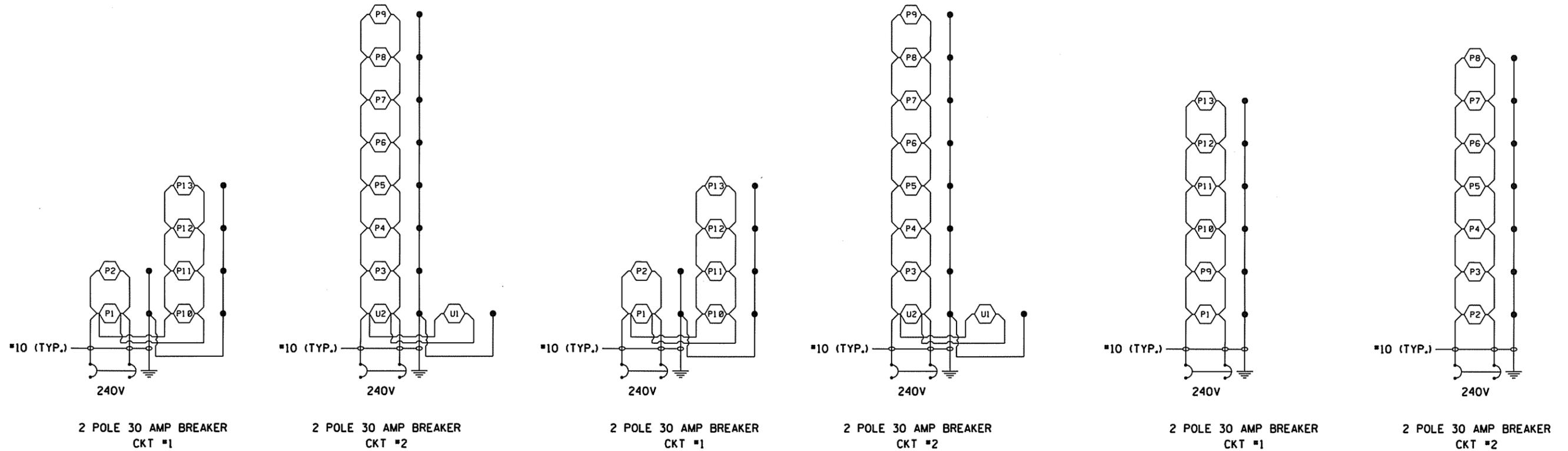
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
IL 92 AT 31st AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N70	

PROPOSED LIGHTING WIRING DIAGRAMS



LIGHTING CONTROLLER A
IL 92 AT 7th AVE
240V

LIGHTING CONTROLLER B
IL 92 AT 18th AVE
240V

LIGHTING CONTROLLER C
IL 92 AT 31st AVE
240V

LEGEND

- PROPOSED LED LUMINAIRE. NUMBER INSIDE CIRCLE INDICATES FIXTURE NUMBER.
- GROUND ROD
- PROPOSED CABLE (SIZE AS NOTED)

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING WIRING DIAGRAMS
IL 92 AT 7th AVE, 18th AVE and 31st AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	18
CONTRACT NO. 64N70				
ILLINOIS FED. AID PROJECT				

LUMINAIRE PERFORMANCE TABLE

PROJECT

Date	Contract Number	Section Number	County
1/10/2020	64N70	1 HL	ROCK ISLAND

Marked Route Number	Municipality
IL 92 AT 31st AVE, 18th AVE, 7th AVE	ROCK ISLAND

ROADWAY

Lane Width	*of Lanes	Median Width	I.E.S Surface Classification	0-Zero Value
12	2	N/A	R3	0.07

STRUCTURE

Mounting Height	Arm Length	Set Back	Number of Luminaires (Highmast & Sign Lighting Only)
40 FT	12 FT	30 FT	N/A

LUMINAIRE

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED, ROADWAY, OUTPUT DESIGNATION H	TYPE III	MEDIUM

Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0.684	U = 0	N/A	0-10V

LAYOUT

Spacing (to Nearest 5 Ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
270 FT	SINGLE SIDED

PERFORMANCE

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE} / E_{MIN}		
0.6	3.0		
Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE} / L_{MIN}	Uniformity Ratio, L_{MAX} / L_{MIN}	Veiling Luminance Ratio, L_v / L_{MIN}
N/A	N/A	N/A	0.4:1

LIGHT TRESSPASS

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E	Max. Vertical Illuminance at ROW, E
N/A	N/A	N/A

NOTES

1. Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.

LIGHTING CALCULATIONS SHALL BE PERFORMED WITH 2 LANES IN 1 DIRECTION ONLY.

PROJECT

Date	Contract Number	Section Number	County
1/10/2020	64N70	1 HL	ROCK ISLAND

Marked Route Number	Municipality
IL 92 AT 31st AVE, 18th AVE, 7th AVE	ROCK ISLAND

ROADWAY

Lane Width	*of Lanes	Median Width	I.E.S Surface Classification	0-Zero Value
12	2	N/A	R3	0.07

STRUCTURE

Mounting Height	Arm Length	Set Back	Number of Luminaires (Highmast & Sign Lighting Only)
20 FT	N/A	2 FT	N/A

LUMINAIRE

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION A	TYPE II	MEDIUM

Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0.684	U = 0	N/A	0-10V

LAYOUT

Spacing (to Nearest 5 Ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
70 FT	SINGLE SIDED

PERFORMANCE

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE} / E_{MIN}		
0.6	3.0		
Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE} / L_{MIN}	Uniformity Ratio, L_{MAX} / L_{MIN}	Veiling Luminance Ratio, L_v / L_{MIN}
N/A	N/A	N/A	0.4:1

LIGHT TRESSPASS

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E	Max. Vertical Illuminance at ROW, E
N/A	N/A	N/A

NOTES

1. Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.

LIGHTING CALCULATIONS SHALL BE PERFORMED WITH 2 LANES IN 1 DIRECTION ONLY.

MODEL: Default
FILE NAME: C:\Users\dlfzrasa\Desktop\64N70_7th_18th_31st_IL_92_AT_31ST_18TH_AND_7TH\LIGHTPERFORM.dgn

USER NAME = dlzlersa	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = Mar-12-2020 05:31:43 PM	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LUMINAIRE PERFORMANCE TABLE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	1 HL	ROCK ISLAND	19	19
CONTRACT NO. 64N70			ILLINOIS FED. AID PROJECT	