# 06-14-2019 LETTING ITEM 082

# **INDEX OF SHEETS**

SHEET DESCRIPTION

1 COVER SHEET

2 HIGHWAY STANDARDS

AND CONSTRUCTION NOTES

3 SUMMARY OF QUANTITIES

4 LIGHT POLE SCHEDULE

5 EXISTING LIGHTING REMOVAL ITEMS

6-7 PROPOSED LIGHTING PLANS

8 PROPOSED LIGHTING CIRCUIT

9 PROPOSED TRAFFIC CONTROL DETAILS

10 PROPOSED LIGHTING CONTROLLER DETAIL

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FAI 39 (I-39/US 24) SECTION (102-2)L WOODFORD COUNTY

C-94-030-19

PROJECT NUMBER NHPP-J4VJ(485)

# HIGHWAY STANDARDS

SEE SHEET 2 FOR A LIST OF APPLICABLE HIGHWAY STANDARDS

# PROJECT DESCRIPTION

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REMOVAL OF EXISTING HIGH MAST LIGHTING SYSTEM AND INSTALLATION OF NEW LIGHT POLES, FOUNDATIONS, LUMINAIRES, ELECTRICAL CABLE, LIGHTING CONTROLLER, AND SERVICE INSTALLATION AT THE INTERCHANGE OF I-39 AND US-24 IN EL PASO.

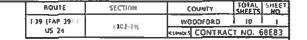
L-39 AND US 24 INTERCHANGE

| Control | Contro

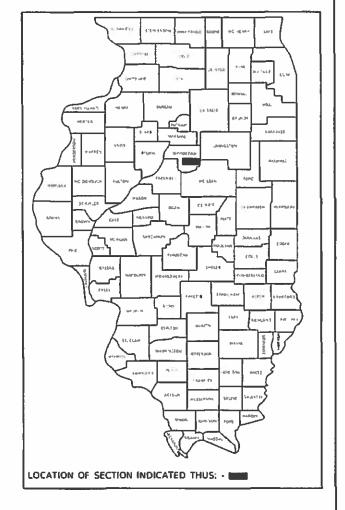
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

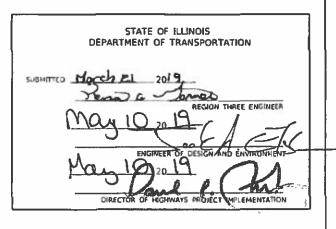
PROJECT ENGINEER: ERIC HOWALD (309) 671-4481 PROJECT MANAGER: BEN TELLEFSON (309) 671-4477

CATALOG NO. 35714-00D CONTRACT NO. 68E83



# D-94-018-19





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NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

	HIGHWAY STANDARDS			
STANDARD	APPLICATION			
000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS			
001006	DECIMAL OF AN INCH AND OF A FOOT			
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE			
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY			
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE			
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY			
701451-05	RAMP CLOSURE, FREEWAY/ EXPRESSWAY			
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY			
701901-08	TRAFFIC CONTROL DEVICES			
821101-02	LUMINAIRE WIRING IN POLE			
830021-03	LIGHT POLE STEEL TENON TOP			
836001-04	LIGHT POLE FOUNDATION			
838001-01	BREAKAWAY DEVICES			

# **CONSTRUCTION NOTES** THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES. THE LOCATIONS FOR LIGHT POLES ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION. ALL HIGHWAY LIGHTING STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REOUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "UNIT DUCT. 600V. 2-1C" NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES.) THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 817.04. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNIT-DUCT PAY ITEM. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING UNIT-DUCT OR CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE UNIT-DUCT AND CONDUIT. 12. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE. EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING LIGHTING SYSTEM COMPLETELY (LIGHT POLES, HIGH MAST LIGHT TOWERS, CONCRETE AND METAL FOUNDATIONS, LUMINAIRES,

THE CONTRACTOR SHALL FURNISH AND INSTALL NEW FUSEHOLDERS, FUSES, SURGE ARRESTORS, AND LUMINAIRE WIRING INSIDE THE POLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE

THE CONTRACTOR SHALL DISPOSE OF THE EXISTING LIGHT POLES, HIGH MAST LIGHT TOWERS, CONCRETE AND METAL FOUNDATIONS, LUMINAIRES, WIRING, ETC. OFF THE JOB SITE. THE SALVAGE

THE CONTRACTOR SHALL REMOVE EXISTING METAL HELIX FOUNDATIONS BY EXCAVATING 36". CUTTING THE FOUNDATION. AND BACKFILLING AS REQUIRED TO MATCH THE EXISTING GRADE. THIS

THE COST OF THE OVERHEAD SERVICE CABLE AND SERVICE CABLE FROM THE DISCONNECT TO THE LIGHTING CONTROLLER SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRIC SERVICE

WIRING, ETC.) AS SHOWN IN THE PLANS. THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "REMOVE EXISTING LIGHTING SYSTEM."

COST OF THESE ITEMS SHALL BE INCLUDED IN THE BID PRICES FOR "REMOVE EXISTING LIGHTING SYSTEM."

THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN OPERATION UNTIL THE PROPOSED LIGHTING SYSTEM IS FULLY OPERATIONAL.

THE COST OF THE PROPOSED 1.0 FT. LUMINAIRE ARM SHALL BE INCLUDED IN THE COST OF THE PROPOSED LIGHT POLE.

COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.

WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR "REMOVE EXISTING LIGHTING SYSTEM."

USER NAME = \$USER\$	DESIGNED	REVISED
	DRAWN	REVISED
DIOT SCALE - ESCALEE	CHECKED	DEVICED

PRICE OF THE PROPOSED LUMINAIRES.

PLOT DATE = SDATES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS AND CONSTRUCTION NOTES

L-39 & US 24 INTERCHANGE - EL PASO

SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

				WOODFORD COUNTY	
	SUMMARY OF QUANTITIES				
CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.	LIGHTING RURAL	
67100100	MOBILIZATION	L SUM	1.0	1.0	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1.0	1.0	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	520.0	520.0	
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	8328.0	8328.0	
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	21.0	21.0	
82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP	EACH	1.0	1.0	
83060840	LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT	EACH	17.0	17.0	
83060845	LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT-TWIN	EACH	2.0	2.0	
83600358	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'	EACH	19.0	19.0	
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	76.0	76.0	
X0325541	REMOVE EXISTING LIGHTING SYSTEM	L SUM	1.0	1.0	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	1.0	

SCALE: \_

	LIGHT POLE SCHEDULE						
POLE NO.	ROUTE	STATION	POLE TYPE	SETBACK (FT.)	MOUNTING HEIGHT (FT.)	ARM LENGTH (FT.)	LUMINAIRE
1	I-39	477+60	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
2	I-39	480+10	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
3	I-39	482+60	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
4	I-39	494+35	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
5	I-39	496+55	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
6	I-39	498+75	GALVANIZED STEEL, TENON MOUNT	5.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
7	US 24	93+85	GALVANIZED STEEL, TENON MOUNT	5.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
8	US 24	96+25	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
9	US 24	99+35	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
10	US 24	101+00	GALVANIZED STEEL, TWIN TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H X 2
11	US 24	103+35	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
12	US 24	105+70	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
13	US 24	109+45	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
14	US 24	111+55	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
15	US 24	113+65	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
16	US 24	115+35	GALVANIZED STEEL, TWIN TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H X 2
17	US 24	117+65	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
18	US 24	119+95	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
19	US 24	122+50	GALVANIZED STEEL, TENON MOUNT	30.0	50.0	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H

USER NAME = \$USER\$	DESIGNED -	REVISED			
	DRAWN	REVISED			
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED			
PLOT DATE = \$DATE\$	DATE	REVISED			

US 24 A Resident Combine VALUE WARRISTON BY THE PROPERTY OF NB SB -39 [-39]**DESCRIPTION** QTY. REMOVE EXISTING LIGHTING SYSTEM L SUM 1.0 LEGEND REMOVE EXISTING EXISTING LIGHTING SYSTEM - QTY. 1 LUMP SUM (INCLUDES ALL ITEMS LISTED BELOW) EXISTING LIGHTING CONTROLLER AND CONCRETE FOUNDATION THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY: ..[]].. EXISTING ELECTRICAL SERVICE QTY. EXISTING 50'MH LIGHT POLE (WEATHERING STEEL) AND METAL HELIX FOUNDATION LIGHTING CONTROLLER CABINET (RE-USE EX. FOUNDATION) ELECTRICAL SERVICE INSTALLATION EXISTING TOWER LIGHTING STRUCTURE AND CONCRETE FOUNDATION TOWER LIGHTING STRUCTURE, COMPLETE WITH HIGH MAST LUMINAIRES EXISTING UNIT-DUCT TOWER LIGHTING CONCRETE FOUNDATION (PARTIAL REMOVAL IN ACCORDANCE WITH ARTICLE 895.05) 6.0 LIGHT POLE, WEATHERING STEEL, WITH HPS LUMINAIRE NOTE:
EXISTING METAL HELIX FOUNDATIONS SHALL BE REMOVED BY EXCAVATING 36", CUTTING THE FOUNDATION AND BACKFILLING AS REQUIRED TO MATCH THE EXISTING GRADE. 9.0 METAL HELIX FOUNDATION (SEE NOTE) JSER NAME = \$USER\$ DESIGNED STATE OF ILLINOIS DRAWN REVISED

**DEPARTMENT OF TRANSPORTATION** 

MODEL: \$MODELNAME\$

LOT SCALE = \$SCALE\$

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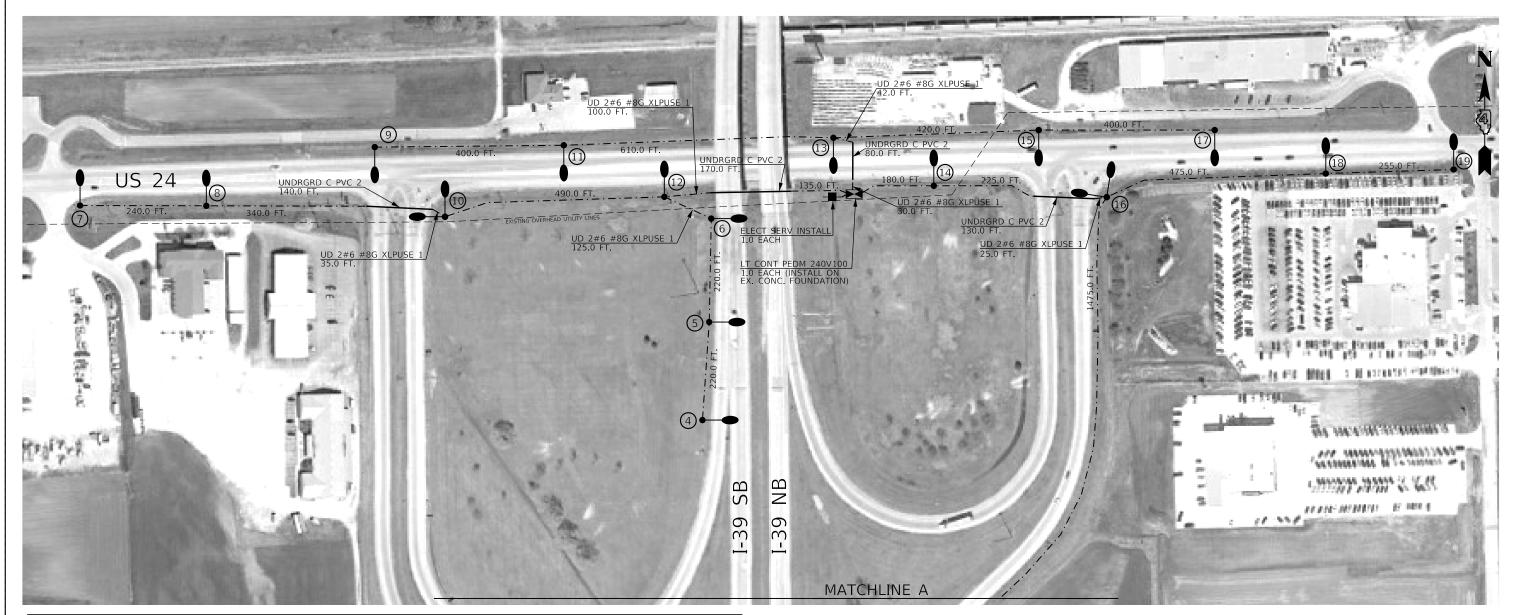
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EXISTING LIGHTING PLANS & REMOVAL ITEMS

1-39 & US 24 INTERCHANGE - EL PASO

1 SHEET OF SHEETS STA. \_\_\_\_\_ TO STA.

39 (102-2)L



LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H

1. TWIN-TENON MOUNT LUMINAIRES SHALL BE MOUNTED WITH 90° BETWEEN ARMS.
2. LIGHT POLES 7, 8, 18, 19 ARE TO BE INSTALLED IN THE APPROXIMATE LOCATION OF EXISTING LIGHT POLES.
3. EXISTING OVERHEAD UTILITY LINES RUN ALONG AND CROSS US 24 AS SHOWN IN THE PLANS.
4. ALL SPLICES, AS SHOWN IN PROPOSED CIRCUIT DIAGRAM, SHALL BE LOCATED IN THE BASE OF LIGHT POLES.

**DESCRIPTION** UNIT QTY. ELECTRIC SERVICE INSTALLATION EACH 1.0 UNDERGROUND CONDUIT, PVC, 2" DIA. FOOT 520.0 UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE FOOT 6828.0 LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP EACH 1.0 LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT EACH 14.0 LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT-TWIN EACH 2.0 LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8' **EACH** 16.0 BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN EACH 64.0

#### LEGEND

PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNT (ON EX. FOUNDATION) PROPOSED 50'MH LIGHT POLE (GALVANIZED STEEL, TENON-MOUNT) AND LUMINAIRE

PROPOSED 50'MH LIGHT POLE (GALVANIZED STEEL, TENON-MOUNT, TWIN) AND LUMINAIRES

PROPOSED LIGHT POLE NUMBER PROPOSED PVC CONDUIT 3" DIA. PROPOSED UNIT-DUCT

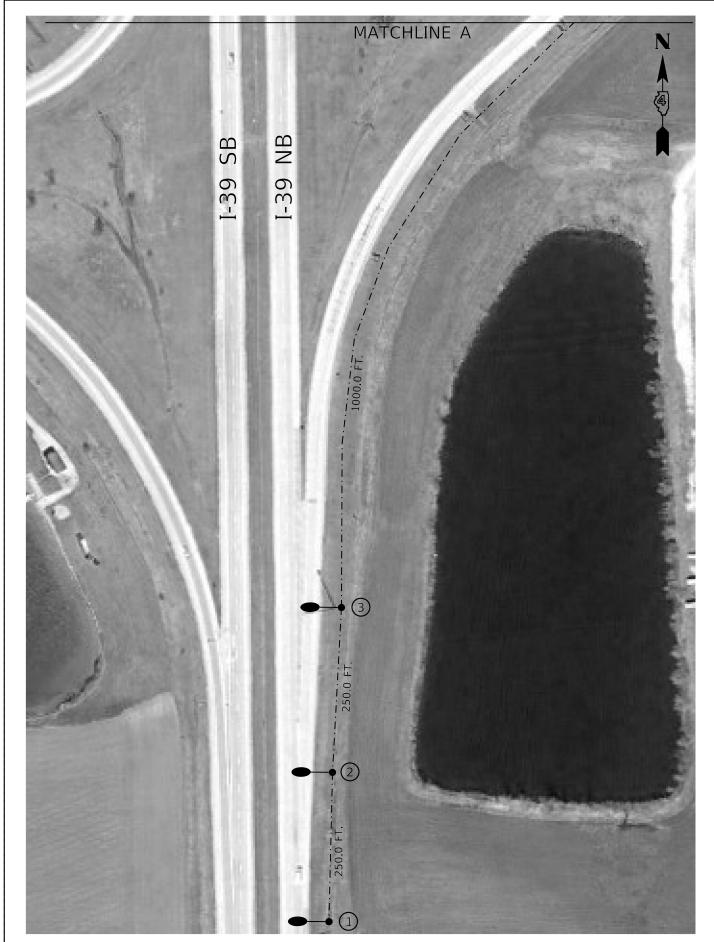
PROPOSED ELECTRICAL SERVICE

EXISTING OVERHEAD UTILITY LINES

USER NAME = \$USER\$	DESIGNED -	REVISED		
	DRAWN	REVISED		
PLOT SCALE = \$SCALE\$	CHECKED	REVISED		
PLOT DATE = \$DATE\$	DATE	REVISED		

18.0

EACH



DESCRIPTION	UNIT	QTY.
UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1500.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT	EACH	3.0
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'	EACH	3.0
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	12.0
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	3.0

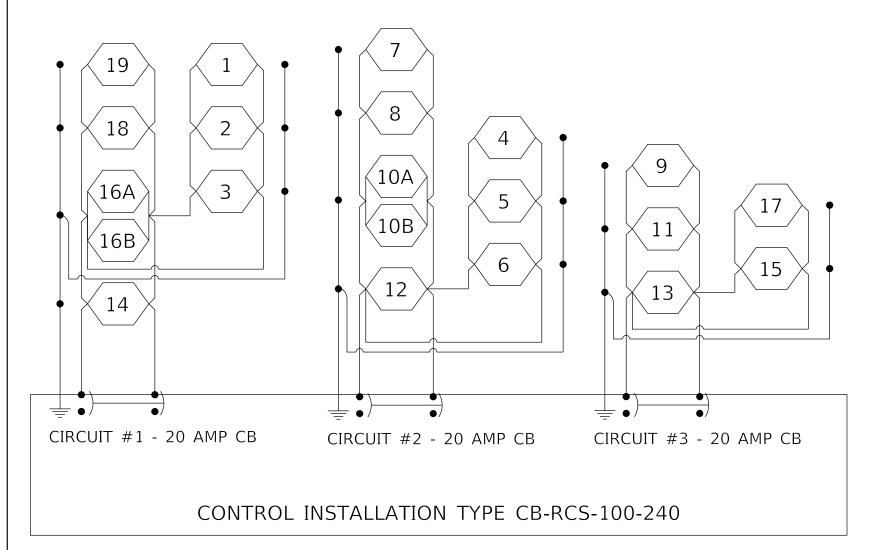
LEGEND

PROPOSED 50'MH LIGHT POLE (GALVANIZED STEEL, TENON-MOUNT) AND LUMINAIRE

PROPOSED UNIT-DUCT

PROPOSED LIGHT POLE NUMBER

USER NAME = \$USER\$	DESIGNED -	REVISED
	DRAWN	REVISED
PLOT SCALE = \$SCALE\$	CHECKED	REVISED
PLOT DATE = \$DATE\$	DATE	REVISED



# **LUMINAIRE PERFORMANCE TABLE - 1**

	GIVEN CONDITIONS			
ROADWAY DATA	Lane Width (12 ft or specify)	12 ft		
	Number of Lanes (in each direction or in one direction)	1		
	Median Width (N/A or specify)	22 ft		
	I.E.S. Surface Classification (R3 or specify)	R3		
	Q-Zero Value (0.07 or specify)	0.07		
LIGHT POLE DATA	Mounting Height (ft)	50 ft		
	Arm Length (ft)	1 ft		
	Set-Back from edge of pavement (white line)	30 ft		
LUMINAIRE DATA	Luminaire	Roadway		
	I.E.S. Lateral Distribution (Type I, II, III, IV, or V)	III		
	I.E.S. Vertical Distribution (L-M-S)	M		
	Dimming Protocol (0-10V or Dali)	0-10V		
LAYOUT DATA	Spacing (to Nearest 5 ft)	350 ft		
	Configuration (Opposite, Staggered, 1 Sided, or Median)	Staggered		

ES: 1. Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer. B-U-G rating shall be U=0.

- 2. Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95. The value of 0.684 unless Higher value is approved.
- 3. A Lumen Depreciation value greater than 0.90 for LED light sources must be approved by the Engineer and shall only be acceptable based upon I.E.S. LM-80 or LM-84 and TM-21 test reports.

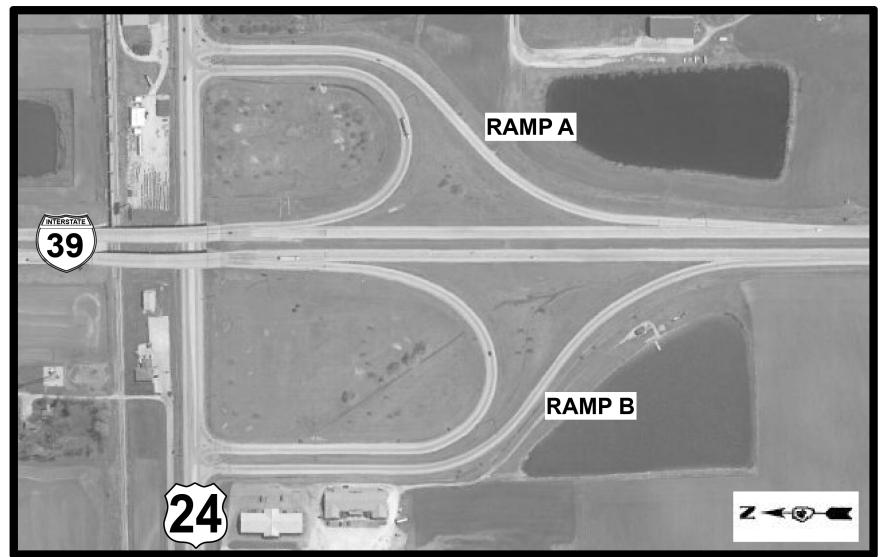
# PERFORMANCE REQUIREMENTS

**NOTE**: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINANCE	Average Illuminance, E <sub>AVE</sub> (fc)	0.6 fc
	Uniformity Ratio, EAVE/EMIN	3.0:1
LUMINANCE	Average Luminance, L <sub>AVE</sub> (cd/m²)	N/A
	Uniformity Ratio, LAVE/LMIN	N/A
	Uniformity Ratio, L <sub>MAX</sub> /L <sub>MIN</sub>	N/A
	Max. Veiling Luminance Ratio, L <sub>V</sub> /L <sub>AVE</sub>	0.3:1

NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



# **Traffic Management for Closure of Ramps A & B:**

# Northbound I-39 to US 24:

Exit Ramp A to be closed using Standard 701451.

Detour Signage: Traffic detour to use Exit 22- IL 116.













All detour signage to be temporarily mounted. A black on orange sign - 6" letters-US 24 may be substituted for route sign. Locations shall be discussed at Pre-Construction Meeting.

# Westbound US 24 to NB I-39:

Entrance Ramp B to be closed using Standard 701451.

Detour Signage: Traffic detour to use IL 251.











All detour signage to be temporarily mounted. A black on orange sign - 6" letters-SB I-39 may be substituted for route sign. Locations shall be discussed at Pre-Construction Meeting.

Additional flaggers and appropriate signs may be needed at the intersection on US 24 to guide traffic to the detour. Cost for flaggers and signs shall be included in the cost of the detour work.

The ramp detour/closure is based upon the contractor's crane taking up the ramp lane. In the event the contractor can work within the shoulder area and maintain a minimum 10' lane, Standard 701456 may be used and traffic stopped for a maximum ten minutes for the tower lowering.

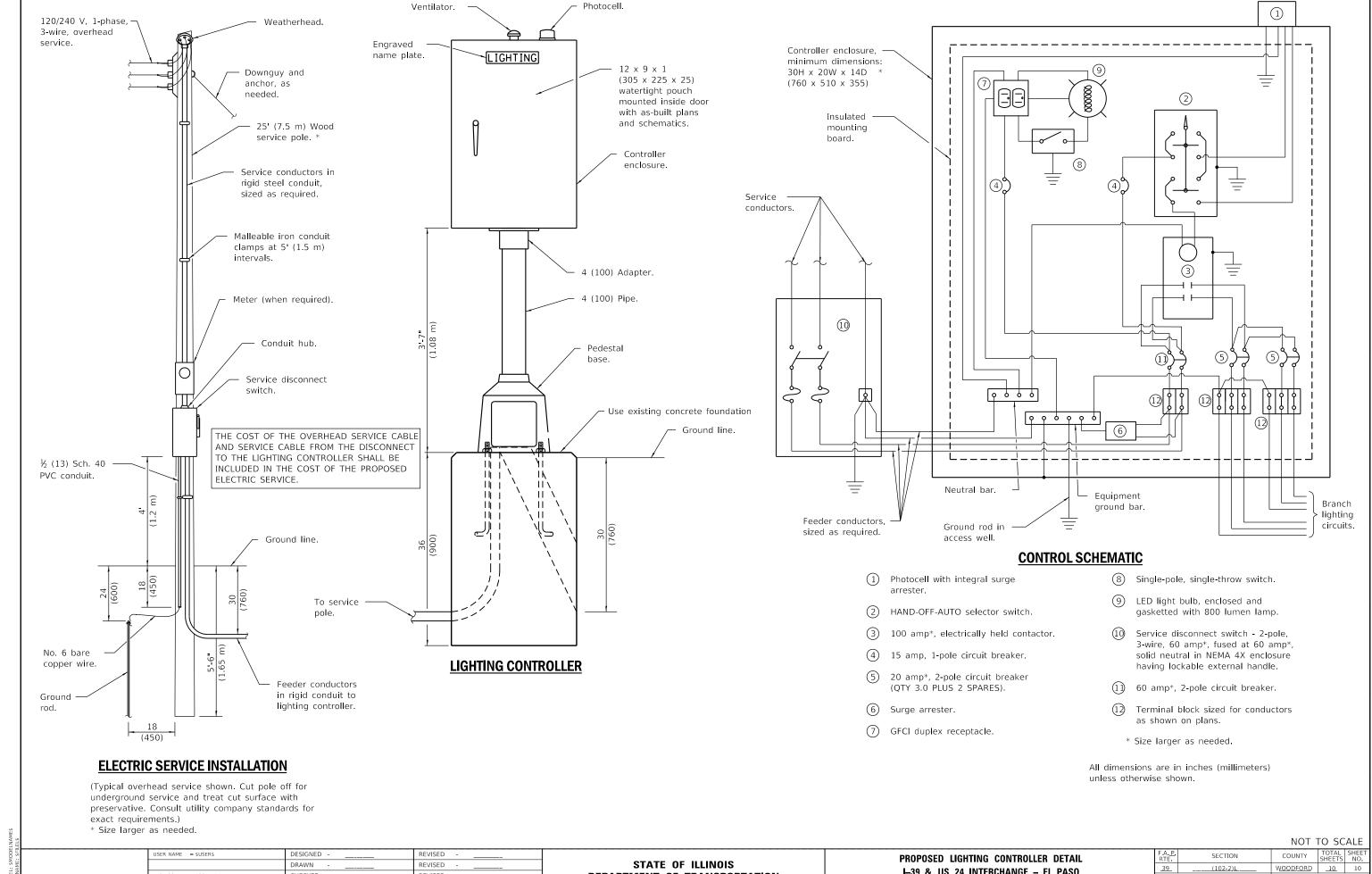
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JSER NAME = \$USER\$ DESIGNED -REVISED DRAWN REVISED CHECKED REVISED PLOT DATE = \$DATE\$ DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

PROPOSED TRAFFIC CONTROL DETAILS **⊢**39 & US 24 INTERCHANGE – EL PASO OF \_\_ SHEETS STA. \_

SECTION COUNTY WOODFORD 10 9 CONTRACT NO. 68E83



**DEPARTMENT OF TRANSPORTATION** 

**1 ■ 39 & US 24 INTERCHANGE – EL PASO** 

SHEETS STA.

SCALE:

CONTRACT NO. 68E83

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PLOT DATE = SDATES

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