

04-27-2018 LETTING ITEM 132

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

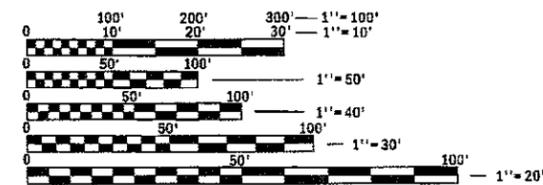
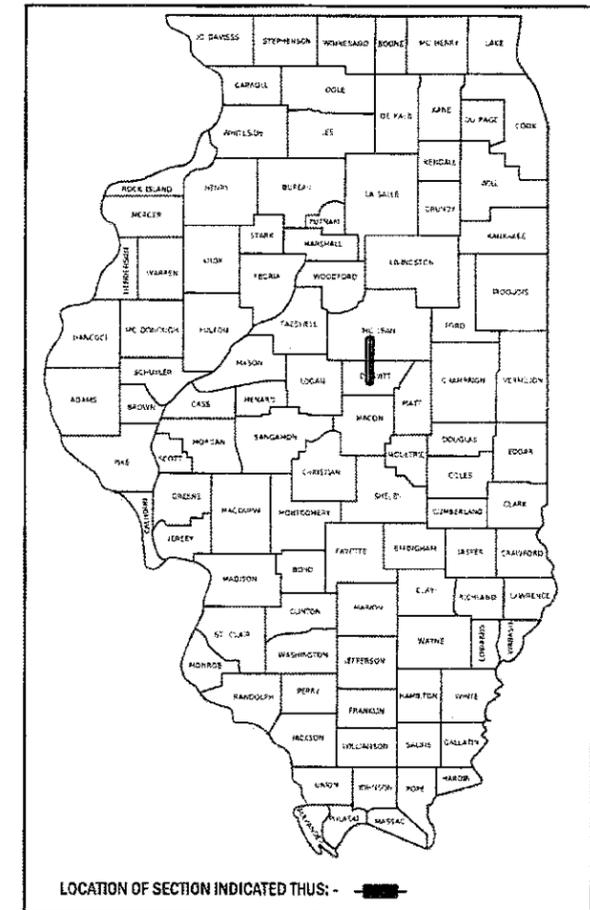
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(57-1,53)HL	ILLINOIS	13	1
CONTRACT NO. 70C80			* MCLEAN & DEWITT CO	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-4

PROPOSED HIGHWAY PLANS

FAP ROUTE 322 (US RTE 51)
SECTION (57-1,53)HL
PROJECT HSIP-TAXV(277)
LIGHTING
MCLEAN & DEWITT COUNTY

C-95-020-18

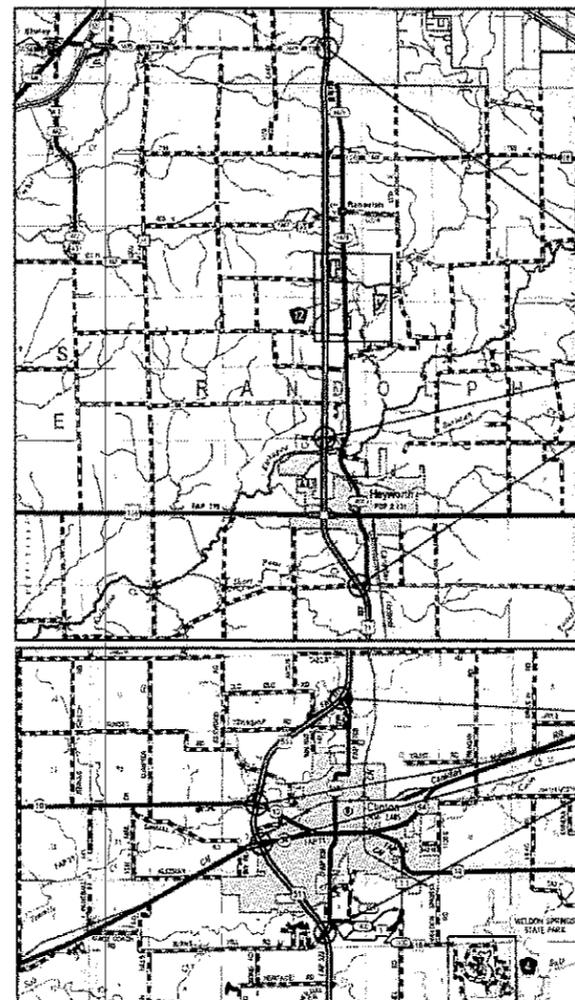


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JEFF ALLEN
PHONE NUMBER (217)465-4181

CONTRACT NO. 70C80



MCLEAN CO
LOCATIONS

DEWITT CO
LOCATIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *November 14, 2017*

Paul C. Turner REGIONAL ENGINEER

Mar 23, 2018 ENGINEER OF DESIGN AND ENVIRONMENT

Paul P. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

G.N. - 100 ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.- 105.07C EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF, AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.- 202 SPL GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, LIGHT TOWERS OR OTHER OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT TO PRESERVE THE AREA IN THE ORIGINAL STATE AS MUCH AS POSSIBLE. THE DECISION AS TO WHAT ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR LIGHT POLE OR REMOVAL ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

MISC. ELECTRICAL GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNDERGROUND CONDUIT OR UNIT DUCT PAY ITEM.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES, INDEX OF SHEETS AND LIST OF STANDARDS
3. - 4.	SUMMARY OF QUANTITIES
5.	US 51 & BUS 51 SOUTH PLAN SHEET
6.	US 51 & IL 54 PLAN SHEET
7.	US 51 & IL 10 PLAN SHEET
8.	US 51 & BUS 51 NORTH PLAN SHEET
9.	US 51 & 100N PLAN SHEET
10.	US 51 & 300N PLAN SHEET
11.	US 51 & CH34 PLAN SHEET
12.	RODENT SHEILD FOR ALUMINUM POLE
13.	NIGHT TIME INSPECTION OF ROADWAY LIGHTING

LIST OF STANDARDS

STANDARD NO.	NAME OF STANDARD
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-11	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
821101-02	LUMINAIRE WIRING IN POLE
825001-03	LIGHTING CONTROLLER POLE MOUNTED, 240V
830006-04	LIGHT POLE ALUMINUM DAVIT ARM
836001-03	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701901-07	TRAFFIC CONTROL DEVICES

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS
& LIST OF STANDARDS**

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(57-1.53)HL	*	13	2
CONTRACT NO. 70C80				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

* MCLEAN & DEWITT CO

SUMMARY OF QUANTITIES

LOCATION OF WORK:	FAP 322 (US 51)						
	URBAN	URBAN	URBAN	URBAN	RURAL	RURAL	URBAN
	LIGHTING						
FUNDING BREAKOUT:	DEWITT COUNTY	DEWITT COUNTY	DEWITT COUNTY	DEWITT COUNTY	MCLEAN COUNTY	MCLEAN COUNTY	MCLEAN COUNTY
	90% FEDERAL						
	10% STATE						
CONSTRUCTION TYPE CODE:	0021	0021	0021	0021	0021	0021	0021

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 708 (BUS 51 S)	FAP 71 (IL 54)	FAP 717 (IL 10)	FAP 708 (BUS 51 N)	TR 579 (100 N)	TR 541 (300 N)	FAS 1479 (CH 34)
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6'	EACH	75.0	11.0	15.0	14.0	11.0	8.0	8.0	8.0
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	300.0	44.0	60.0	56.0	44.0	32.0	32.0	32.0
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	8.0	2.0	2.0	2.0	2.0			
84200804	REMOVAL OF POLE FOUNDATION	EACH	8.0	2.0	2.0	2.0	2.0			
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
84500130	REMOVAL OF LIGHTING CONTROLER FOUNDATION	EACH	3.0	1.0	1.0	1.0				
X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	16.0					8.0	8.0	
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	59.0	11.0	15.0	14.0	11.0			8.0
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	6.0	1.0	1.0	1.0		1.0	1.0	1.0
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	6.0	1.0	1.0	1.0		1.0	1.0	1.0

MODEL: #MODELNAME
 FILE NAME: \\P:\ILLINOIS\DOT\Projects\70C80\CAD\Drawings\Cover Sheet.dwg
 OFFICE: Springfield
 DATE: 11/1/2017

USER NAME = cealockjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 48.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 11/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(57-1.53)HL	*	13	4
CONTRACT NO. 70C80				
ILLINOIS FED. AID PROJECT				

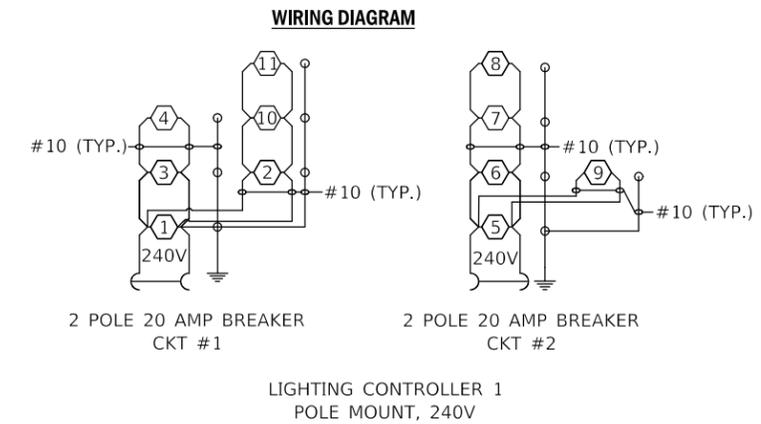
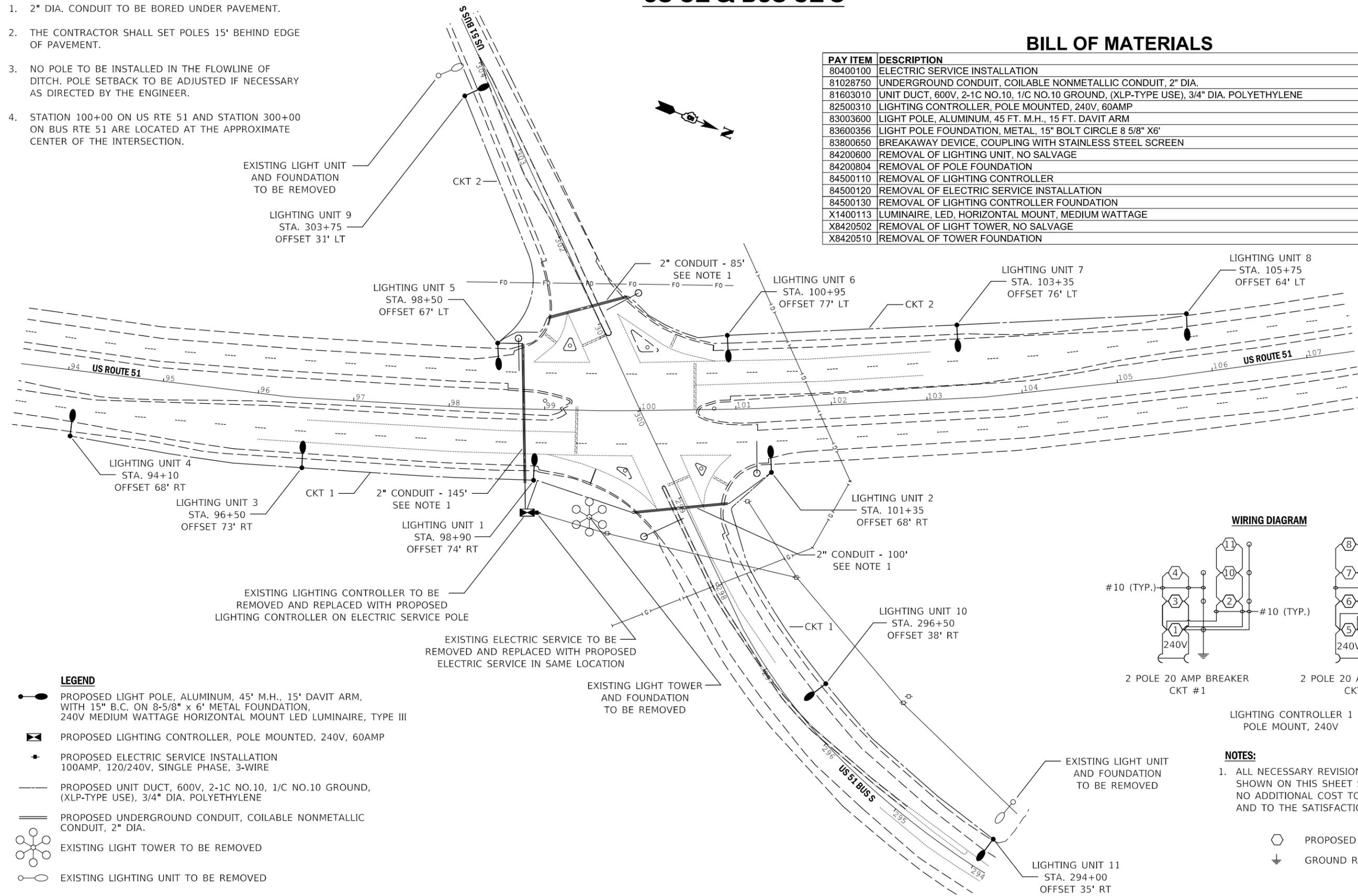
* MCLEAN & DEWITT CO

US 51 & BUS 51 S

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	330
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	2,630
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	11
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6'	EACH	11
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	44
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2
84200804	REMOVAL OF POLE FOUNDATION	EACH	2
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	11
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	1
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	1

- NOTES**
- 2" DIA. CONDUIT TO BE BORED UNDER PAVEMENT.
 - THE CONTRACTOR SHALL SET POLES 15' BEHIND EDGE OF PAVEMENT.
 - NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
 - STATION 100+00 ON US RTE 51 AND STATION 300+00 ON BUS RTE 51 ARE LOCATED AT THE APPROXIMATE CENTER OF THE INTERSECTION.



- LEGEND**
- PROPOSED LIGHT POLE, ALUMINUM, 45' M.H., 15' DAVIT ARM, WITH 15" B.C. ON 8-5/8" x 6' METAL FOUNDATION, 240V MEDIUM WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III
 - PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP
 - PROPOSED ELECTRIC SERVICE INSTALLATION 100AMP, 120/240V, SINGLE PHASE, 3-WIRE
 - PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
 - PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
 - EXISTING LIGHT TOWER TO BE REMOVED
 - EXISTING LIGHTING UNIT TO BE REMOVED

- NOTES:**
- 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.

- PROPOSED LED LUMINAIRE
- GROUND ROD

* MCLEAN & DEWITT CO

MODEL: \\MODELNAME; FILE NAME: \\FILENAME; PROJECT: \\PROJECT; OFFICE: \\OFFICE; DRAWING: \\DRAWING; DATE: 11/1/2017

USER NAME = cearlojd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 51 & BUS 51 S
DEWITT CO

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION (57-1.53)HL	COUNTY -	TOTAL SHEETS 13	SHEET NO. 5
CONTRACT NO. 70C80				
ILLINOIS FED. AID PROJECT				

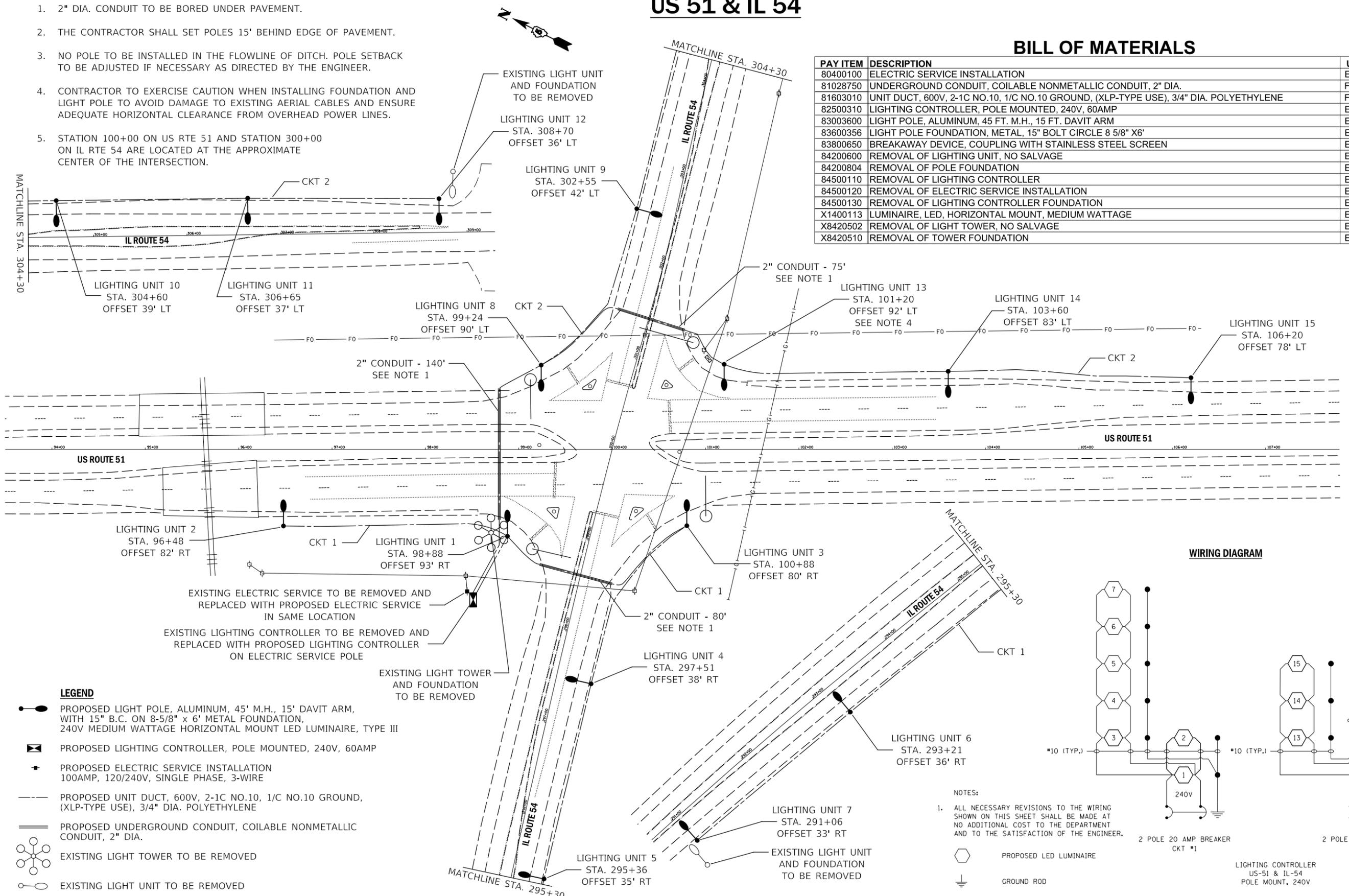
US 51 & IL 54

NOTES

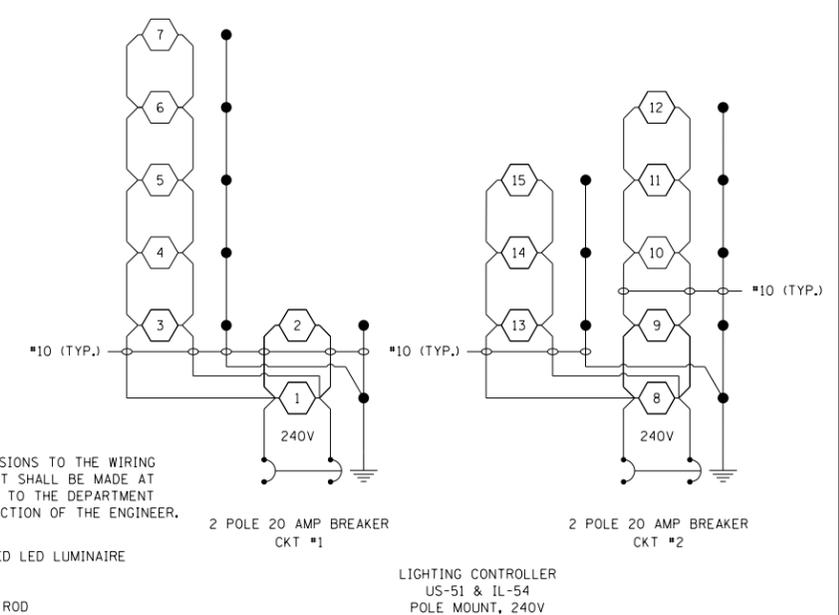
- 2" DIA. CONDUIT TO BE BORED UNDER PAVEMENT.
- THE CONTRACTOR SHALL SET POLES 15' BEHIND EDGE OF PAVEMENT.
- NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- CONTRACTOR TO EXERCISE CAUTION WHEN INSTALLING FOUNDATION AND LIGHT POLE TO AVOID DAMAGE TO EXISTING AERIAL CABLES AND ENSURE ADEQUATE HORIZONTAL CLEARANCE FROM OVERHEAD POWER LINES.
- STATION 100+00 ON US RTE 51 AND STATION 300+00 ON IL RTE 54 ARE LOCATED AT THE APPROXIMATE CENTER OF THE INTERSECTION.

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	295
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3,335
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	15
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6'	EACH	15
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	60
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2
84200804	REMOVAL OF POLE FOUNDATION	EACH	2
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	15
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	1
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	1

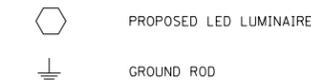


WIRING DIAGRAM



NOTES:

- 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.



LEGEND

- PROPOSED LIGHT POLE, ALUMINUM, 45' M.H., 15' DAVIT ARM, WITH 15" B.C. ON 8-5/8" x 6' METAL FOUNDATION, 240V MEDIUM WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III
- PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP
- PROPOSED ELECTRIC SERVICE INSTALLATION 100AMP, 120/240V, SINGLE PHASE, 3-WIRE
- PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
- EXISTING LIGHT TOWER TO BE REMOVED
- EXISTING LIGHT UNIT TO BE REMOVED

MODEL: s:\MODELNAME FILE NAME: s:\PROJECTS\70C80\CADD\DATA\DEWITT\US 51 & IL 54.Plan_Sheet.dgn

USER NAME = cearlockjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 51 & IL 54
DEWITT CO

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION (57-1.53)HL	COUNTY *	TOTAL SHEETS 13	SHEET NO. 6
CONTRACT NO. 70C80				
ILLINOIS FED. AID PROJECT				

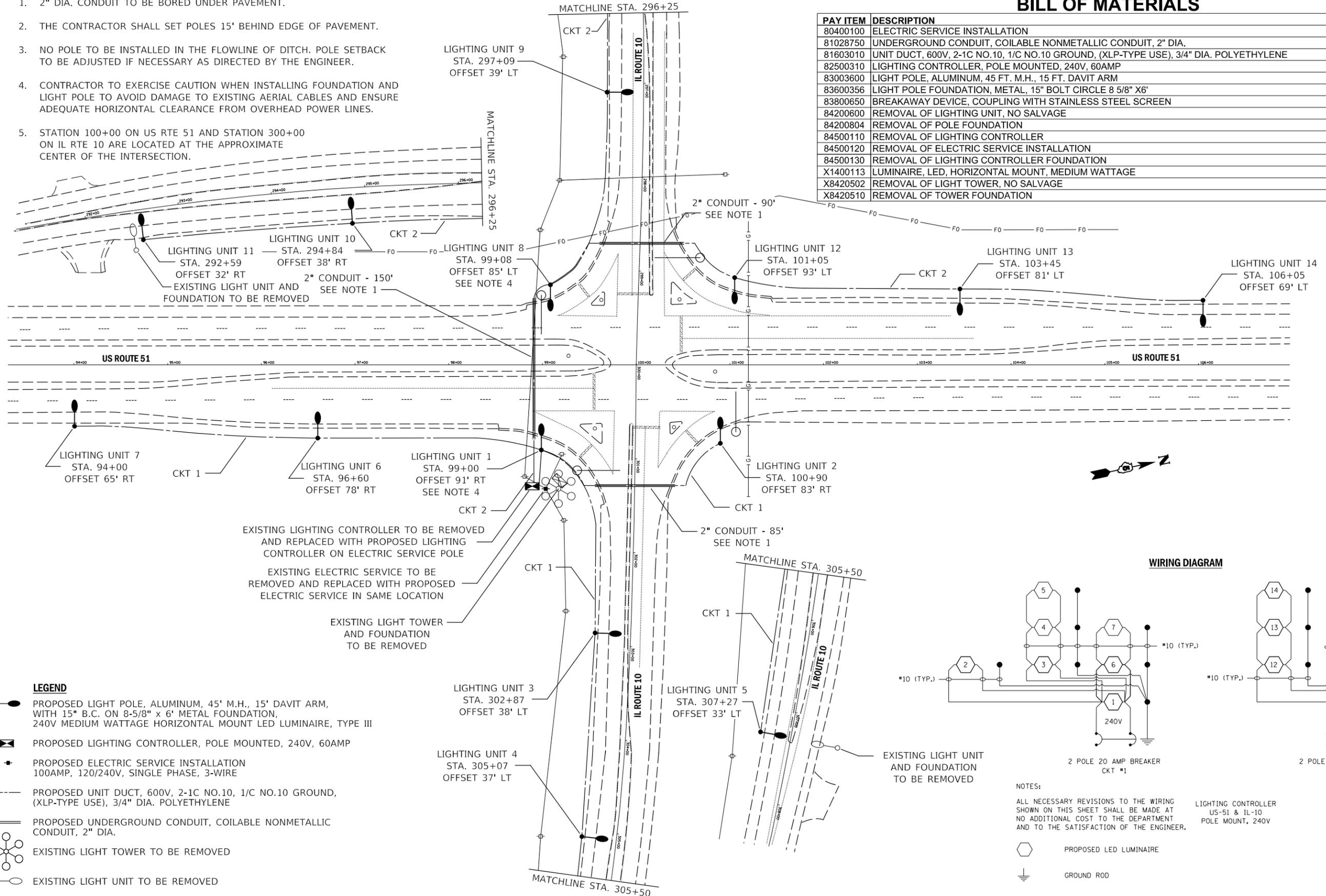
* MCLEAN & DEWITT CO

US 51 & IL 10

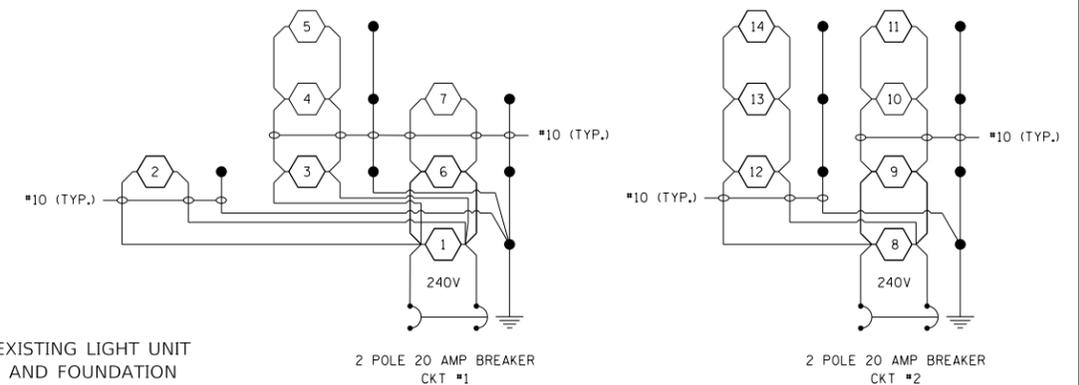
BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	325
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3,145
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	14
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6"	EACH	14
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	56
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2
84200804	REMOVAL OF POLE FOUNDATION	EACH	2
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	14
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	1
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	1

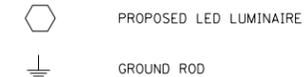
- NOTES**
- 2" DIA. CONDUIT TO BE BORED UNDER PAVEMENT.
 - THE CONTRACTOR SHALL SET POLES 15' BEHIND EDGE OF PAVEMENT.
 - NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
 - CONTRACTOR TO EXERCISE CAUTION WHEN INSTALLING FOUNDATION AND LIGHT POLE TO AVOID DAMAGE TO EXISTING AERIAL CABLES AND ENSURE ADEQUATE HORIZONTAL CLEARANCE FROM OVERHEAD POWER LINES.
 - STATION 100+00 ON US RTE 51 AND STATION 300+00 ON IL RTE 10 ARE LOCATED AT THE APPROXIMATE CENTER OF THE INTERSECTION.



WIRING DIAGRAM



- NOTES:**
- 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.
 - LIGHTING CONTROLLER US-51 & IL-10 POLE MOUNT, 240V



- LEGEND**
- PROPOSED LIGHT POLE, ALUMINUM, 45' M.H., 15' DAVIT ARM, WITH 15" B.C. ON 8-5/8" x 6" METAL FOUNDATION, 240V MEDIUM WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III
 - PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP
 - PROPOSED ELECTRIC SERVICE INSTALLATION 100AMP, 120/240V, SINGLE PHASE, 3-WIRE
 - PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
 - PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
 - EXISTING LIGHT TOWER TO BE REMOVED
 - EXISTING LIGHT UNIT TO BE REMOVED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 51 & IL 10
DEWITT CO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(57-1,53)HL	*	13	7
CONTRACT NO. 70C80				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

* MCLEAN & DEWITT CO

MODEL: 4-MODELNAME; FILE NAME: P:\PROJECTS\70C80\CADD\DATA\DEWITT\US 51 & IL 10\US 51 & IL 10 - Plan - Sheet.dgn

USER NAME = cearlojd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/1/2017	DATE -	REVISED -

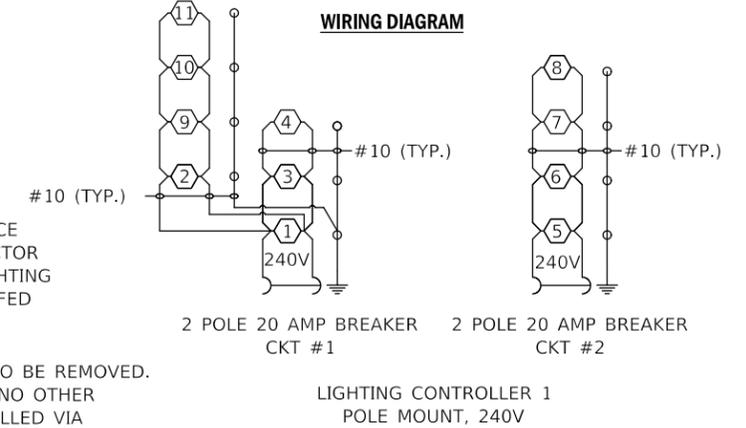
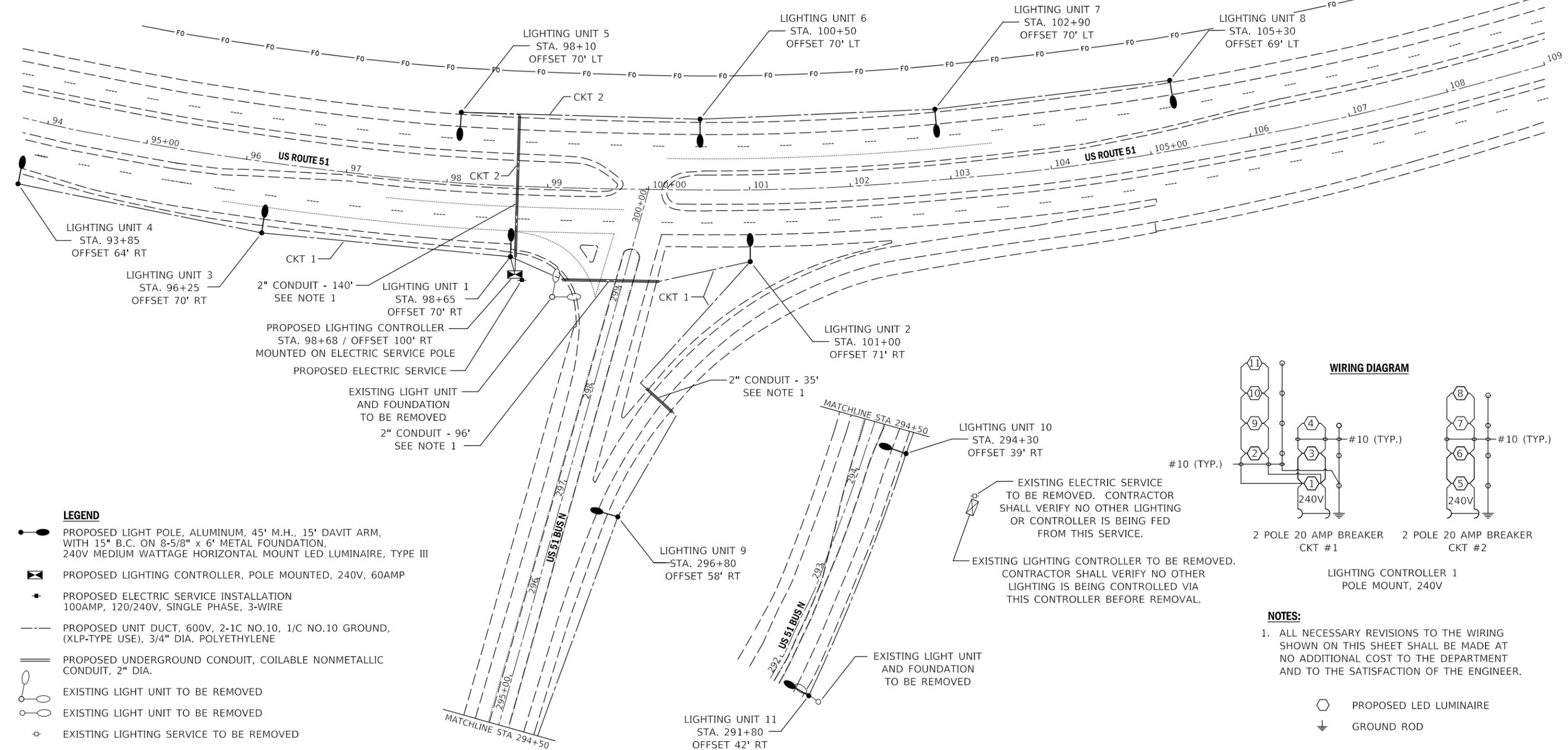
US 51 & BUS 51 N

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	271
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	2,600
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	11
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6'	EACH	11
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	44
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2
84200804	REMOVAL OF POLE FOUNDATION	EACH	2
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	11

NOTES

- 2" DIA. CONDUIT TO BE BORED UNDER PAVEMENT.
- THE CONTRACTOR SHALL SET POLES 15' BEHIND EDGE OF PAVEMENT.
- NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- STA. 100+00 ALONG US RTE 51 AND STA 300+00 ALONG BUS RTE 51 ARE LOCATED AT THE APPROXIMATE CENTER OF THE INTERSECTION.



NOTES:

- 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.

- PROPOSED LED LUMINAIRE
- GROUND ROD

* MCLEAN & DEWITT CO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 51 & BUS 51 N
DEWITT CO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(57-1.53)HL	*	13	8
CONTRACT NO. 70C80				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

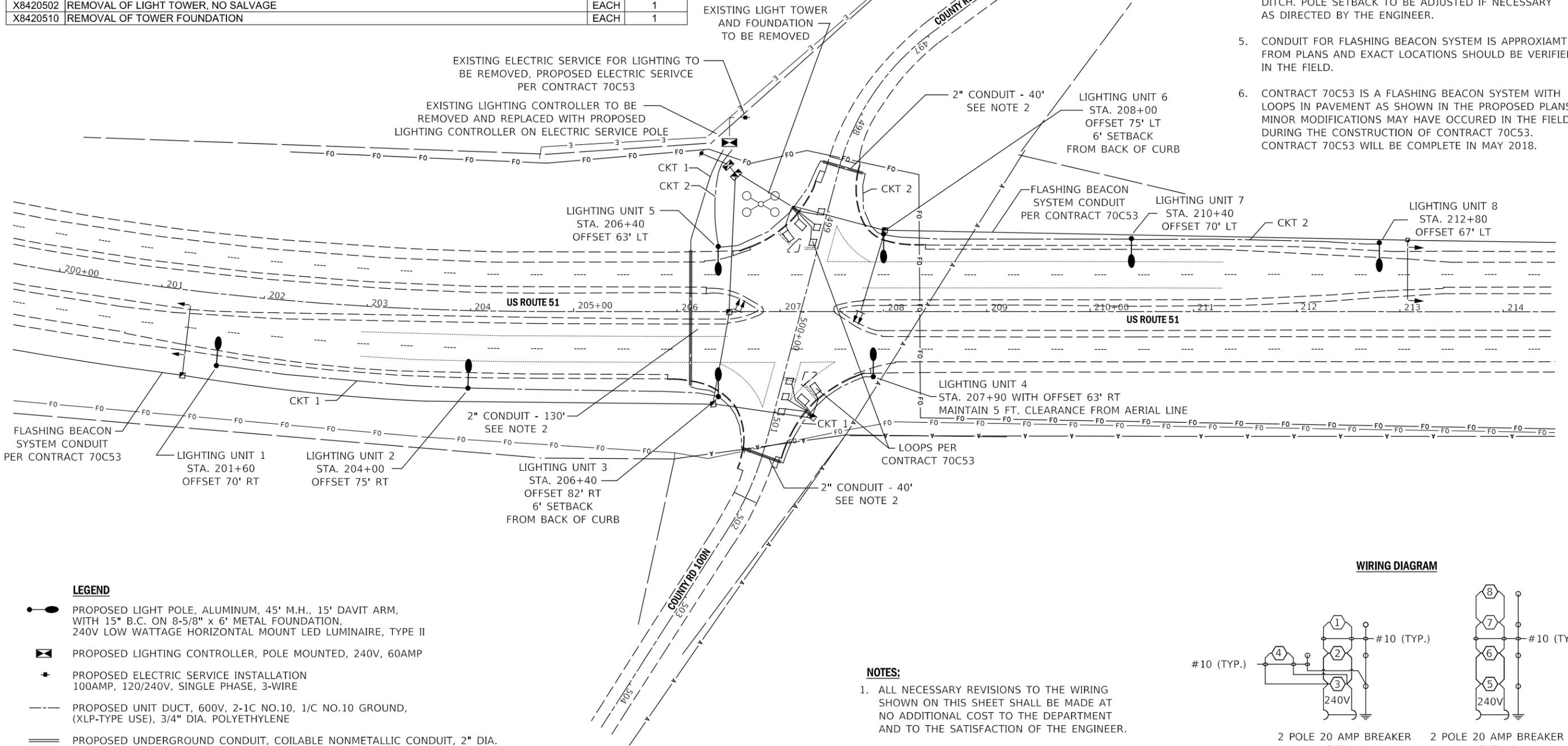
USER NAME = cearlockjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/1/2017	DATE -	REVISED -

MODEL: I:\MODEL\NAME: FILE: NAME: PROJECT: I:\PROJECTS\70C80\CADD\DATA\Drawings\US 51 & BUS 51 N\US 51 & BUS 51 N.dwg SHEET: 8

US 51 & CR 100 N

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	210
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,850
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	8
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6"	EACH	8
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	32
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	8
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	1
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	1



- NOTES**
- CONTRACTOR TO EXERCISE CAUTION WHEN INSTALLING FOUNDATION AND LIGHT POLE TO AVOID DAMAGE TO EXISTING AERIAL CABLES AND ENSURE ADEQUATE HORIZONTAL CLEARANCE FROM OVERHEAD POWER LINES.
 - 2" DIA. CONDUIT TO BE BORED UNDER PAVEMENT.
 - THE CONTRACTOR SHALL SET POLES 15' BEHIND EDGE OF PAVEMENT.
 - NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
 - CONDUIT FOR FLASHING BEACON SYSTEM IS APPROXIMATE FROM PLANS AND EXACT LOCATIONS SHOULD BE VERIFIED IN THE FIELD.
 - CONTRACT 70C53 IS A FLASHING BEACON SYSTEM WITH LOOPS IN PAVEMENT AS SHOWN IN THE PROPOSED PLANS. MINOR MODIFICATIONS MAY HAVE OCCURRED IN THE FIELD DURING THE CONSTRUCTION OF CONTRACT 70C53. CONTRACT 70C53 WILL BE COMPLETE IN MAY 2018.

LEGEND

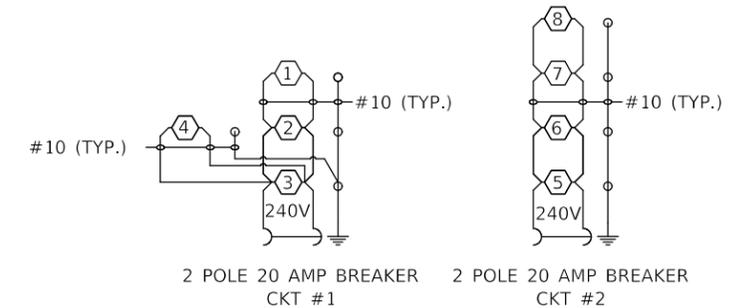
- PROPOSED LIGHT POLE, ALUMINUM, 45' M.H., 15' DAVIT ARM, WITH 15" B.C. ON 8-5/8" X 6" METAL FOUNDATION, 240V LOW WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE II
- PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP
- PROPOSED ELECTRIC SERVICE INSTALLATION 100AMP, 120/240V, SINGLE PHASE, 3-WIRE
- PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
- EXISTING LIGHT TOWER TO BE REMOVED
- EXISTING HANDHOLE

NOTES:

- 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.

- PROPOSED LED LUMINAIRE
- GROUND ROD

WIRING DIAGRAM



LIGHTING CONTROLLER 1
POLE MOUNT, 240V

* MCLEAN & DEWITT CO

FILE NAME =	USER NAME = ceartokjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 51 & 100N MCLEAN CO	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL04EB\INTEG\Projects\70C80\CADD\Design\US 51 & CR-100 N Plan sheet.dgn		CHECKED -	REVISED -			322	(57-1,53)HL		13	9	
PLOT SCALE = 100,0000' / in.		DATE -	REVISED -			CONTRACT NO. 70C80					
PLOT DATE = 11/1/2017						ILLINOIS FED. AID PROJECT					

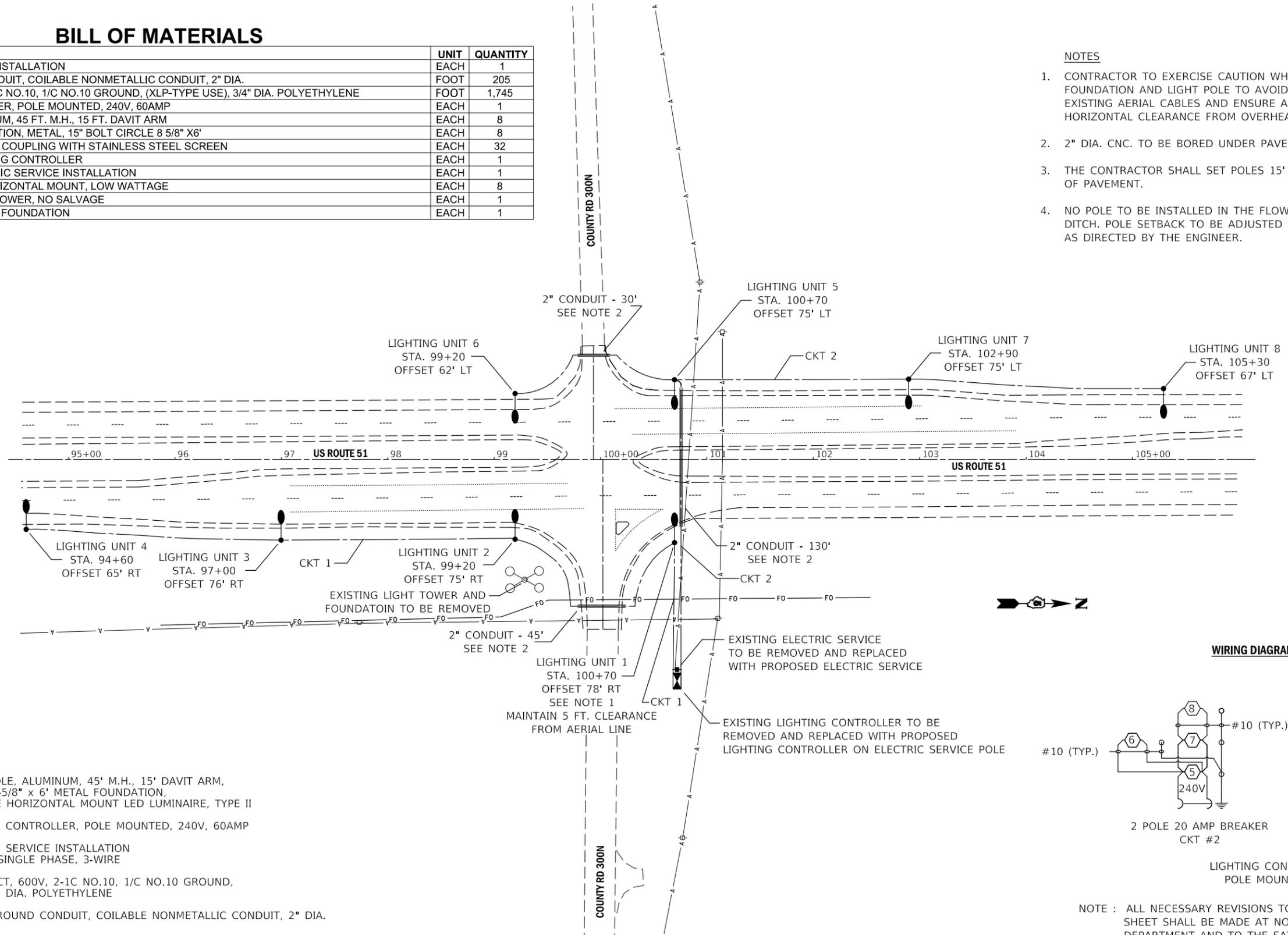
US 51 & CR 300 N

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	205
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,745
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	8
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6"	EACH	8
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	32
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	8
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	1
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	1

NOTES

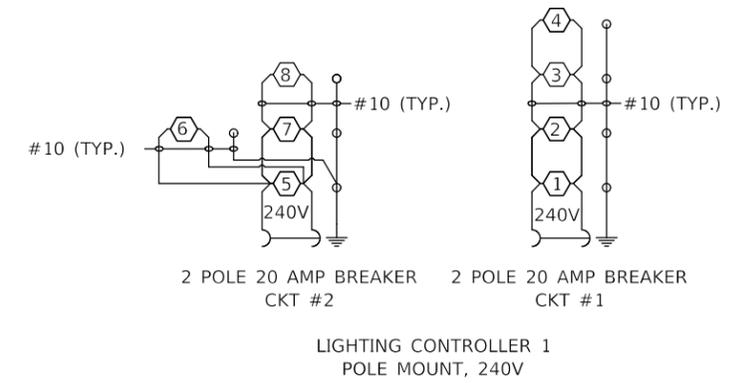
- CONTRACTOR TO EXERCISE CAUTION WHEN INSTALLING FOUNDATION AND LIGHT POLE TO AVOID DAMAGE TO EXISTING AERIAL CABLES AND ENSURE ADEQUATE HORIZONTAL CLEARANCE FROM OVERHEAD POWER LINES.
- 2" DIA. CNC. TO BE BORED UNDER PAVEMENT.
- THE CONTRACTOR SHALL SET POLES 15' BEHIND EDGE OF PAVEMENT.
- NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.



LEGEND

- PROPOSED LIGHT POLE, ALUMINUM, 45' M.H., 15' DAVIT ARM, WITH 15" B.C. ON 8-5/8" x 6" METAL FOUNDATION, 240V LOW WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE II
- PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP
- PROPOSED ELECTRIC SERVICE INSTALLATION 100AMP, 120/240V, SINGLE PHASE, 3-WIRE
- PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
- EXISTING LIGHT TOWER TO BE REMOVED

WIRING DIAGRAM



NOTE : 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.

- PROPOSED LED LUMINAIRE
- GROUND ROD

* MCLEAN & DEWITT CO.

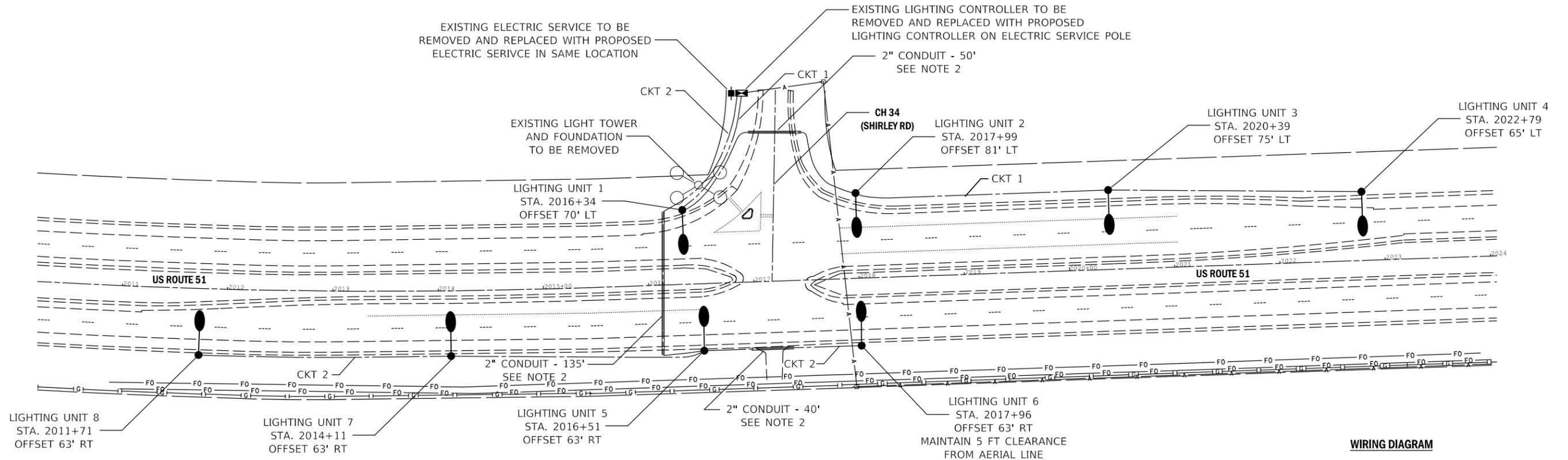
US 51 & CH 34 (SHIRLEY RD)

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	225
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1855
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	8
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE 8 5/8" X6"	EACH	8
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	32
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	8
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	1
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	1

NOTES

- CONTRACTOR TO EXERCISE CAUTION WHEN INSTALLING FOUNDATION AND LIGHT POLE TO AVOID DAMAGE TO EXISTING AERIAL CABLES AND ENSURE ADEQUATE HORIZONTAL CLEARANCE FROM OVERHEAD POWER LINES.
- 2" DIA. CONDUIT TO BE BORED UNDER PAVEMENT.
- THE CONTRACTOR SHALL SET POLES 15' BEHIND EDGE OF PAVEMENT.
- NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.



LEGEND

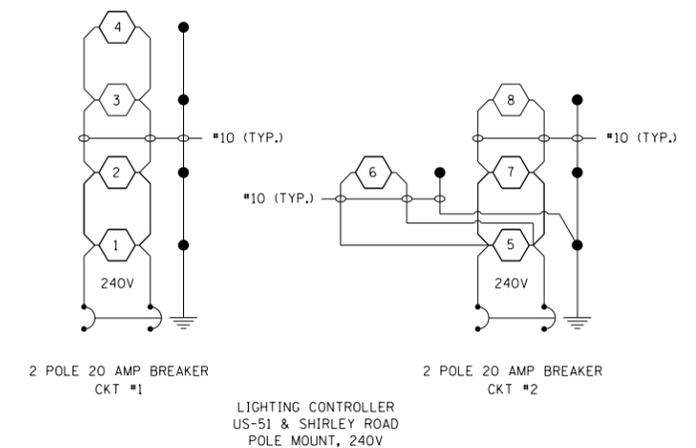
- PROPOSED LIGHT POLE, ALUMINUM, 45' M.H., 15' DAVIT ARM, WITH 15" B.C. ON 8-5/8" x 6" METAL FOUNDATION, 240V MEDIUM WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE II
- PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240V, 60AMP
- PROPOSED ELECTRIC SERVICE INSTALLATION 100AMP, 120/240V, SINGLE PHASE, 3-WIRE
- PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
- EXISTING LIGHT TOWER TO BE REMOVED

NOTES:

- 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.

- PROPOSED LED LUMINAIRE
- GROUND ROD

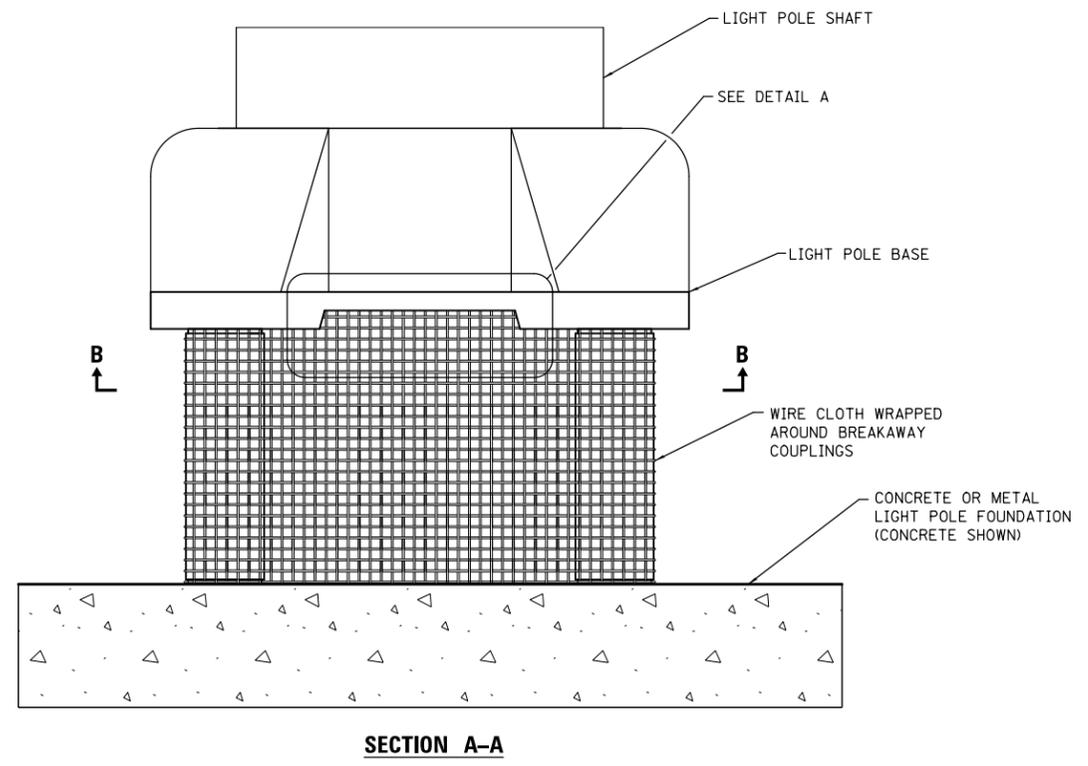
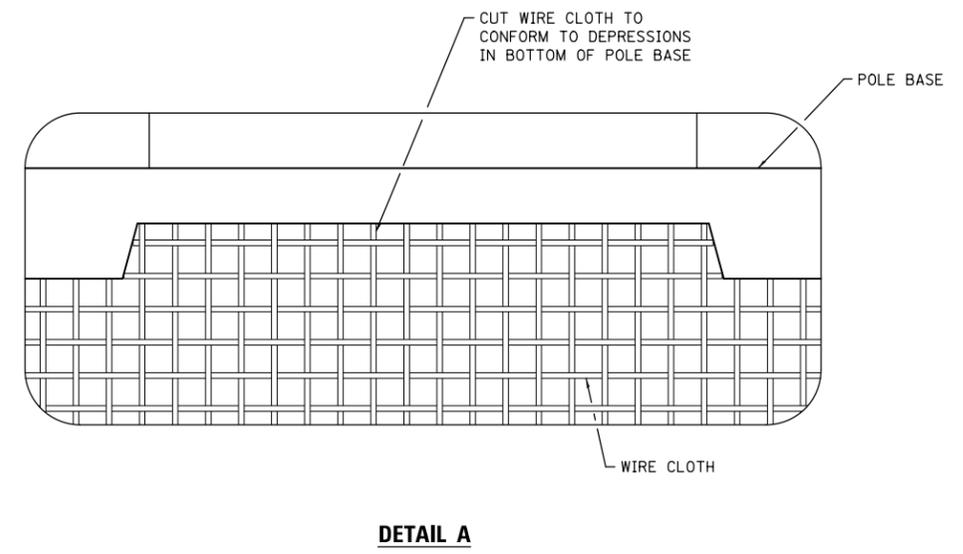
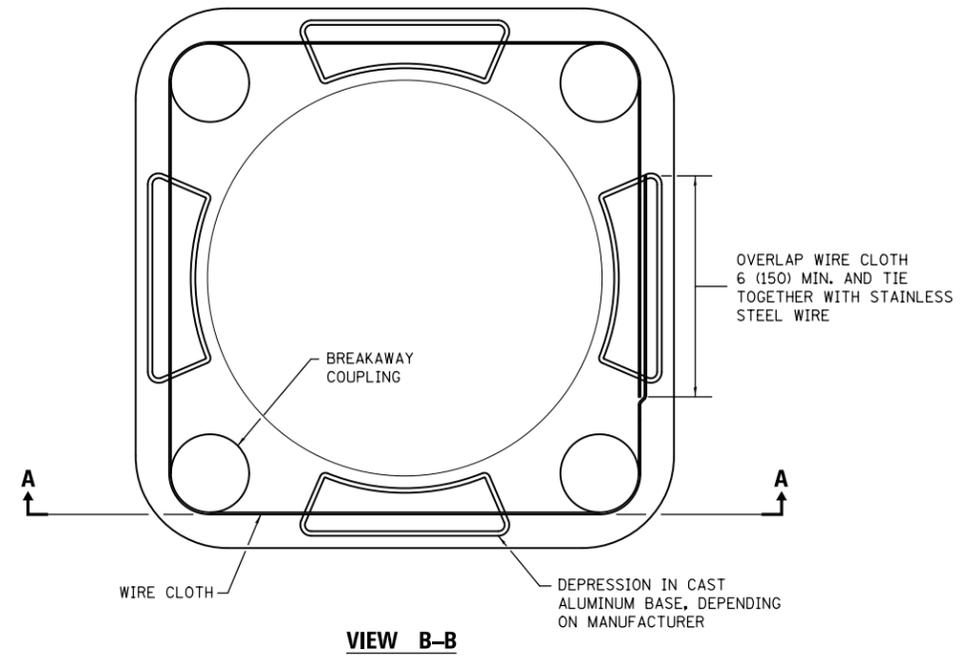
WIRING DIAGRAM



* MCLEAN & DEWITT CO

FILE NAME =	USER NAME = ceartokjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 51 & CH 34 MCLEAN CO	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EB\INTEG\Projects\70C80\CADData\Design\US 51 & CH 34 Plan sheet.dgn		CHECKED -	REVISED -			322	(57-1,53)HL		13	11	
PLOT SCALE = 100,0000' / in.		DATE -	REVISED -			CONTRACT NO. 70C80					
PLOT DATE = 11/1/2017						ILLINOIS FED. AID PROJECT					

RODENT SHIELD FOR ALUMINUM POLE



GENERAL NOTES

WIRE CLOTH SHALL BE STAINLESS STEEL, HAVE A MAXIMUM OPENING OF 1/4 (6), AND A MINIMUM WIRE DIAMETER OF AWG NO. 16 (1.6).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

RODENT SHIELD FOR ALUMINUM POLE

* MCLEAN & DEWITT CO

MODEL: 410001.MXD
FILE NAME: P:\ILLINOIS\BIDDING\TEC\Illinois.gov\RWIDOT\Documents\DOT Office\Director\Projects\0570C80\CADDData\CAD\Sheet\Cover_Sheet.dgn

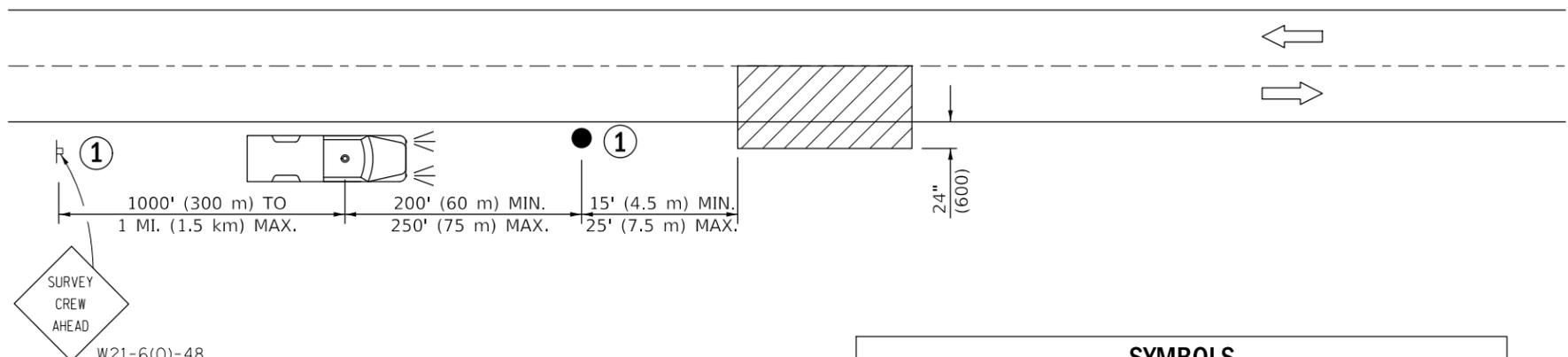
USER NAME = cealockjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RODENT SHIELD FOR ALUMINUM POLE				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(57-1,53)HL	-	13	12
CONTRACT NO. 70C80				
ILLINOIS FED. AID PROJECT				

MODEL: \\MODELNAME
 FILE NAME: P:\PROJECTS\70C80\CADD\DATA\CAD\Sheets\Cover_Sheet_GN_Indx_Sht_500.dgn



TYPICAL APPLICATIONS
 UTILITY OPERATIONS

SYMBOLS	
	WORK AREA
	SIGN ON PORTABLE OR PERMANENT SUPPORT
	TRUCK WITH FLASHING AMBER LIGHT AND DUAL EMERGENCY FLASHERS
	FLAGGER WITH TRAFFIC CONTROL SIGN

① NOT REQUIRED FOR WORK ACTIVITIES IN OR WITHIN 2' OF TRAVELED LANE IN ONE LOCATION FOR LESS THAN 15 MINUTES (BRIEF ENCROACHMENT).

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7010000

USER NAME = cealockjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td>	CHECKED -	REVISED -
PLOT DATE = 11/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NIGHT TIME INSPECTION OF ROADWAY LIGHTING

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(57-1,53)HL	*	13	13
CONTRACT NO. 70C80			ILLINOIS FED. AID PROJECT	