

142

FAP SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0331	2019-183-L	COOK/ILL	22	1
PROJECT			CONTRACT NO. 62K56	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# PROPOSED HIGHWAY PLANS

FAP 353 IL RTE 43 (HARLEM AVE)  
AT US RTE 30 (LINCOLN HWY)

SECTION 2019-183-L  
PROJECT  
HIGH MAST LIGHTING REPLACEMENT  
**COOK COUNTY**  
C-91-158-20



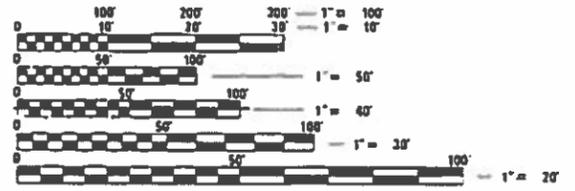
TRAFFIC DATA

	2019 ADT
US ROUTE 30 (EAST LEG)	17,400
US ROUTE 30 (WEST LEG)	18,000
IL ROUTE 43 (NORTH LEG)	15,800
HARLEM AVE (SOUTH LEG)	7,950

HIGHWAY FUNCTIONAL CLASSIFICATION

US ROUTE 30 (EAST LEG)	PRINCIPAL ARTERIAL
US ROUTE 30 (WEST LEG)	PRINCIPAL ARTERIAL
IL ROUTE 43 (NORTH LEG)	PRINCIPAL ARTERIAL
HARLEM AVE (SOUTH LEG)	MAJOR COLLECTOR

PROJECT IS LOCATED IN:  
**VILLAGE OF FRANKFORT**

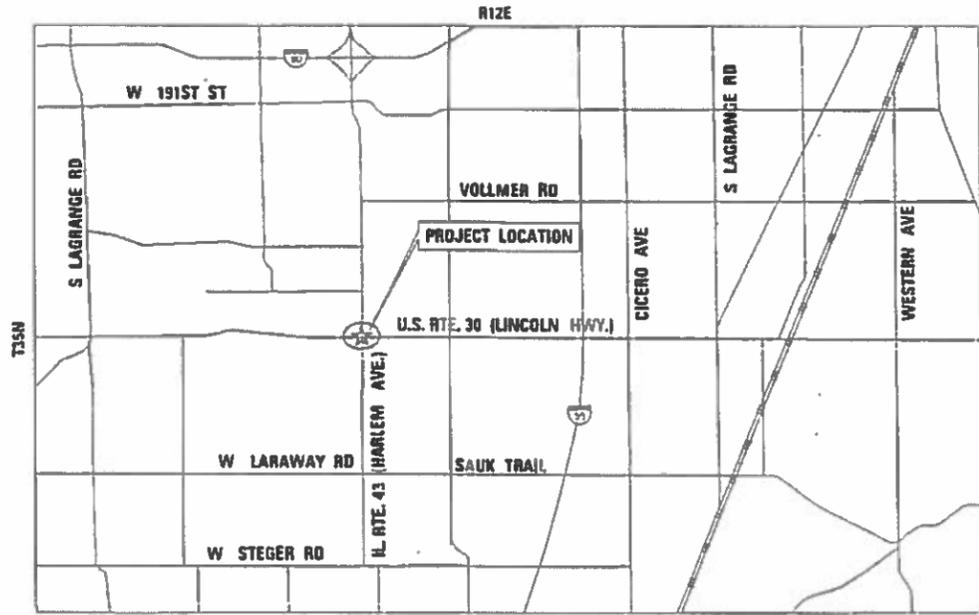


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES  
773-287-7672

PROJECT MANAGER: DARYLE DREW (847) 705-4424  
PROJECT ENGINEER: TONY GODINHO (847) 705-4442  
  
CONTRACT NO. 62K56



GROSS LENGTH = 3,350.00 FT. = 0.634 MILE  
NET LENGTH = 3,350.00 FT. = 0.634 MILE



*Lora L. Supencheck*  
LORA L. SUPENCHECK, P.E. DATE 1/22/2020  
LICENSE NO.: 062-061307  
EXPIRES: 11-30-2021  
SHEETS: 5-6



*R.D. Patel*  
RASHESHKUMAR D. PATEL, P.E. DATE 1/22/2020  
LICENSE NO.: 062-064617  
EXPIRES: 11-30-2021  
SHEETS: 1-4, 6-12

FINAL SUBMITTAL  
JANUARY 10, 2020

**SINGH**  
230 WEST MONROE STREET  
SUITE 1400  
CHICAGO, IL 60606  
(312) 629-0240  
ILLINOIS PROFESSIONAL DESIGN FIRM  
REGISTRATION NO. 184001179-002

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED 1/24  
*Anthony J. Prunty* REGIONAL ENGINEER  
*Jan 31 2020* ENGINEER OF DESIGN AND ENVIRONMENT  
*Jan 31 2020* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

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4	SOQ-2	SUMMARY OF QUANTITIES
5	C-01	CIVIL SITE PLAN IL RTE 43 (SHEET 1 OF 2) (HARLEM AVE) AT US RTE 30 (LINCOLN HWY)
6	C-02	CIVIL SITE PLAN IL RTE 43 (SHEET 2 OF 2) (HARLEM AVE) AT US RTE 30 (LINCOLN HWY)
7	LT-01	LIGHTING LEGEND AND GENERAL NOTES
8	LT-02	SCHEDULE OF QUANTITIES
9	LT-03	REMOVAL LIGHTING PLAN IL RTE 43 (HARLEM AVE) AT US RTE 30 (LINCOLN HWY)
10	LT-04	PROPOSED LIGHTING PLAN (SHEET 1 OF 2) IL RTE 43 (HARLEM AVE) AT US RTE 30 (LINCOLN HWY)
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12	LT-06	LIGHTING CONTROLLER "CP" WIRING DIAGRAM
13	LT-07	EXISTING TRAFFIC SIGNAL PLANS IL RTE 43 (HARLEM AVE) AT US RTE 30 (LINCOLN HWY)
14 - 22	LT-08 TO LT-16	IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

## IDOT DISTRICT ONE STANDARD DETAILS

STANDARD NO.	TITLE
BE-200	LIGHTING CONTROLLER, BASE MOUNTED 480 VOLT, 200 AMP (DUAL)
BE-220	ELECTRIC SERVICE INSTALLATION SERVICE, REMOTE DISCONNECT
BE-305	LIGHT POLE FOUNDATION, METAL
BE-410	DAVIT LIGHT POLE 47'-6" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A

## HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001 07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006 00	DECIMAL OF AN INCH AND OF A FOOT
701101 05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701701 10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901 08	TRAFFIC CONTROL DEVICES

## GENERAL NOTES

- SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
- A MINIMUM OF SEVENTY-TWO HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF TRAFFIC AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PREFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTOR'S SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.
- THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE ACTUAL NEED FOR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) SHALL BE DETERMINED IN THE FIELD FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, RESIDENTIAL AND ADJOINING COMMERCIAL AREAS.
- BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS, IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.0.1 AND 1 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

MODEL: Default  
FILE NAME: \\G:\0119\09\03\140601\Task-Order\11062\K56\04\_CADD\CADD\_Sheets\ID162\K56-PT-01.dgn

**GEN-01**

<b>SINGH</b> <small>SINGH + ASSOCIATES INC. CONSULTING ENGINEERS</small>	USER NAME = vgurskas	DESIGNED - MG/BN	REVISED - ADDENDUM A 2/25/2020	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, DISTRICT ONE STANDART DETAILS AND GENERAL NOTES</b>	F.A.P. RTE. = 0353	SECTION = 2019-183-L	COUNTY = COOK/WILL	TOTAL SHEETS = 22	SHEET NO. = 2
	PLOT SCALE = 2' / in.	CHECKED - RP	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 7/3/2019	DATE - 01/10/2020	REVISED -							

URBAN

0021

CONSTRUCTION CODE

100% STATE 100% STATE

A B

COOK COOK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	COOK	COOK
20400800	FURNISHED EXCAVATION	CU YD	2	2	-
25000210	SEEDING, CLASS 2A	ACRE	0.3	0.3	-
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	27	27	-
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	27	27	-
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	27	27	-
25100630	EROSION CONTROL BLANKET	SQ YD	1,415	1,415	-
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,370	1,370	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	-	12
66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
67100100	MOBILIZATION	L SUM	1	-	1
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	-	1
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	1
66901006	REGULATED SUBSTANCES MONITORING	CAL DA	185	185	1
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	291	-	291
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	960	-	960
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	7,375	-	7,375
81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	150	-	150

MODEL: D:\a\j\l\... FILE NAME: UG101\PROJECTS\148601\Task Order-11162\K5604\_CADD\CADD\_Sheets\162\K56-pts-001.dgn



USER NAME = mgarvida	DESIGNED - MG/BN	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 7/3/2019	CHECKED - RP	REVISED -
	DATE - 01/10/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0353	SECTION 2019-183-L	COUNTY COOK/WILL	TOTAL SHEETS 22	SHEET NO. 3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K56	

S00-01

URBAN

0021

CONSTRUCTION CODE

100% STATE 100% STATE

A B

COOK COOK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	COOK	COOK
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	31	-	31
82500420	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL)	EACH	1	-	1
83050825	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	31	-	31
83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	31	-	31
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	31	-	31
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	-	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	-	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	-	1
X1400190	REMOVAL OF HIGH MAST LUMINAIRES, SALVAGE	EACH	4	-	4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	-
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	2	-	2
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	2	-	2
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	31	-	31
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	87.5	87.5	
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	7	-	7

MODEL: Default  
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USER NAME = mgarvida	DESIGNED - MG/BN	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 7/3/2019	CHECKED - RP	REVISED -
	DATE - 01/10/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0353	SECTION 2019-183-L	COUNTY COOK/WILL	TOTAL SHEETS 22	SHEET NO. 4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K56	

S00-02

REV. 2/26/20 REV. 1/27/20 REV. 1/24/20