

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, ALL LIGHTING EQUIPMENT REMOVED AS PART OF THIS CONTRACT SHALL REMAIN THE PROPERTY OF THE VILLAGE OF ORLAND PARK AND SHALL BE DELIVERED TO THE VILLAGE OF ORLAND PARK MAINTENANCE FACILITY. THE VILLAGE OF ORLAND PARK WILL REMOVE ALL ROADWAY LIGHTING WIRING FROM CONDUIT PRIOR TO POLE REMOVAL. THE CONTRACTOR SHALL TURN OVER TO THE VILLAGE OF ORLAND PARK ALL REMOVED POLES, MAST ARMS, FIXTURES, AND CONTROLLERS.
2. THE CONTRACTOR SHALL COORDINATE ALL WORK AND MATERIALS WITH SPECIAL ATTENTION TO ALL OTHER CONSTRUCTION CONTRACTS. THIS WORK SHALL BE INCLUDED IN THE COST OF THIS CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
3. THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) 72 HOURS BEFORE EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS. UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE.
4. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING WORK AND COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES.
7. WHEN ELECTRIC LIGHTING IS UTILIZED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC.
8. QUANTITIES OF RIGID GALVANIZED STEEL CONDUIT AND PVC CONDUIT WHERE INDICATED ON THE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE CONFORMANCE WITH SPECIFIED REQUIREMENTS.
9. GROUNDING CONNECTIONS AT ALL EQUIPMENT FOUNDATIONS SHALL BE EXOTHERMICALLY WELDED, UNLESS NOTED OTHERWISE, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
10. NO EQUIPMENT OR MATERIAL SHALL BE DELIVERED TO THE JOB SITE PRIOR TO THE APPROVAL AND INSPECTION OF THE ENGINEER. ANY EQUIPMENT OR MATERIAL DELIVERED TO THE JOB SITE PRIOR TO APPROVAL AND INSPECTION SHALL BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
11. UNDERGROUND CONDUIT SHALL EXTEND (2') BEYOND THE SHOULDER, CURB, BARRIER WALL AND/OR GUARDRAIL, AS APPLICABLE.
12. THE PROPOSED LIGHTING CONTROL CABINET SHALL BE INSTALLED WITHIN THE RIGHT OF WAY WITH THE EXACT LOCATION TO BE CONFIRMED BY THE CONTRACTOR IN THE FIELD.
13. THE CONTRACTOR SHALL PREPARE A PRELIMINARY SCHEDULE WHEN THE CONTRACT COMMENCES WHICH ESTABLISHES THE DATE WHEN THE ELECTRICAL SERVICES WILL BE REQUIRED. THIS SCHEDULE SHALL BE FORWARDED IN WRITING TO COMMONWEALTH EDISON COMPANY (ComEd). SUBSEQUENT UPDATING OF THE SCHEDULE SHALL BE FORWARDED TO COMED AS CHANGES MAY OCCUR IN THE DATE OF SERVICE REQUIREMENTS. TEN (10) DAYS BEFORE THE ELECTRICAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY COMED BY PHONE AND CONFIRM THE REQUEST IN WRITING. COMED SERVICE CONTRACT AND AGREEMENT SHALL BE FORWARDED TO THE VILLAGE OF ORLAND PARK FOR REVIEW AND SIGNATURE.
14. ALL PITS USED FOR INSTALLING PUSHED (JACKED) STEEL CONDUITS UNDER EXISTING ROADWAYS SHALL BE LOCATED 5'-0" (MINIMUM) CLEAR FROM THE EDGE OF SHOULDER. LOCATIONS OF THE CONDUIT CROSSINGS SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET THE MINIMUM CLEARANCE REQUIRED. THE CONTRACTOR SHALL SUBMIT PLANS FOR THE LOCATION AND SIZE OF EACH PIT AND MAINTENANCE AND PROTECTION OF TRAFFIC AT THE SITE OF EACH PIT FOR THE APPROVAL OF THE ENGINEER BEFORE THE EXCAVATION OF ANY PIT MAY BEGIN.
15. EXISTING LIGHTING CONTROLLERS ARE OWNED AND MAINTAINED BY THE VILLAGE OF ORLAND PARK. PROPOSED LIGHTING CONTROLLER C107 WILL BE OWNED AND MAINTAINED BY THE VILLAGE OF ORLAND PARK.
16. THE COORDINATION OF THE SIDE STREET WORK WITH LaGRANGE ROAD WORK IS LEFT UP TO THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE OPERATING STATUS OF LaGRANGE ROAD STREET LIGHTS REGARDLESS OF THE SIDE STREET STAGING. THIS MEANS THE CONTRACTOR MAY HAVE TO INSTALL TEMPORARY OVERHEAD WIRING FOR LaGRANGE ROAD STREET LIGHTS TO BYPASS STREET LIGHTS NOT YET INSTALLED. NOT ALL POSSIBILITIES FOR TEMPORARY OVERHEAD WIRING NEEDS ARE SHOWN ON THE PLANS, SINCE THIS DEPENDS UPON COORDINATION AS DETERMINED BY THE CONTRACTOR.
17. FURNISH AND INSTALL A COMBINATION POLE LIGHTING CONTROLLER TO OPERATE THE LIGHT FIXTURES ON THE PROPOSED LIGHTING/TRAFFIC SIGNALS COMBINATION POLES AS SHOWN ON THESE PLANS. THE COMBINATION LIGHTING CONTROLLER (Z2) SHALL BE ATTACHED TO THE SIDE OF THE TRAFFIC SIGNAL CONTROLLER CABINET AS SHOWN ON THE ATTACHED DETAILS. COMBINATION LIGHTING CONTROLLERS ARE POWERED FROM THE PROPOSED LIGHTING/TRAFFIC SIGNALS COMBINATION SERVICE DISCONNECT CABINET, AND PAID FOR UNDER PAY ITEM NO. X8250090 "COMBINATION POLE LIGHTING CONTROLLER".
18. FURNISH AND INSTALL A 1" UNIT DUCT WITH 3-1/2" #8, 1/2" #10 G. IN CONDUIT FROM EACH PROPOSED COMBINATION LIGHTING/TRAFFIC SIGNALS SERVICE DISCONNECT CABINET TO EACH PROPOSED COMBINATION LIGHTING CONTROLLER LOCATION. INSTALL THE UNIT DUCT IN A SEPARATE CONDUIT FOR THE ENTIRE RUN. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMED POWER SOURCE FEEDING COMBINATION LIGHTING CONTROLLERS.
19. PROPOSED LIGHT POLE SET BACKS ARE MEASURED FROM THE FACE OF CURB TO THE CENTER OF THE LIGHT POLE. MINIMUM SET BACK SHALL BE 3 FEET. OFFSETS FOR TEMPORARY LIGHTING WOOD POLES ARE MEASURED FROM THE ROADWAY CENTERLINE TO THE CENTER OF THE WOOD POLE.

SUGGESTED LIGHTING PHASING NOTES:

- PRE-STAGE (PRIOR TO THE START OF STAGE 1 CONSTRUCTION)**
- A. FURNISH AND INSTALL TEMPORARY LIGHTING CONTROLLER "T108" AS SHOWN ON DRAWING E-7.
 - B. COORDINATE WITH COMED TO GET POWER TO LIGHTING CONTROLLER "T108". FURNISH AND INSTALL ALL ITEMS NECESSARY AS COORDINATED WITH COMED TO GET POWER TO LIGHTING CONTROLLER "T108".
 - C. FURNISH, INSTALL, AND ENERGIZE ALL TEMPORARY LIGHTING UNITS AS INDICATED ON DRAWINGS E-7 THROUGH E-8 PRIOR TO THE REMOVAL OF EXISTING LIGHTING UNITS.
 - D. REMOVE EXISTING LIGHTING UNITS AND FOUNDATIONS ON THE WEST SIDE OF US-45 (LaGRANGE ROAD) AS INDICATED ON DRAWINGS E-7 THROUGH E-8 IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 - E. TRANSPORT ALL REMOVED LIGHTING UNITS TO THE OWNER'S ELECTRICAL MAINTENANCE FACILITY FOR PROCESSING AS DETERMINED BY THE ENGINEER, UNLESS NOTED OTHERWISE.
- STAGE 1**
- A. REMOVE EXISTING LIGHTING UNITS AND FOUNDATIONS ON THE EAST SIDE OF US-45 (LaGRANGE ROAD) AS INDICATED ON DRAWINGS E-7 THROUGH E-8 IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 - B. TRANSPORT ALL REMOVED LIGHTING UNITS TO THE OWNER'S ELECTRICAL MAINTENANCE FACILITY FOR PROCESSING AS DETERMINED BY THE ENGINEER, UNLESS NOTED OTHERWISE.
 - C. COORDINATE WITH COMED FOR THE REMOVAL OF POWER TO LIGHTING CONTROLLERS FOR LIGHT SYSTEMS 1 AND 2 LOCATED ON DRAWINGS E-7 AND E-8. REMOVE THE LIGHTING CONTROLLERS AND FOUNDATIONS. TRANSPORT THE REMOVED LIGHTING CONTROLLERS TO THE OWNER'S ELECTRICAL MAINTENANCE FACILITY FOR PROCESSING PER THE SPECIAL PROVISIONS.
 - D. FURNISH AND INSTALL PROPOSED LIGHTING CONTROLLER "C107" AND ASSOCIATED UTILITY SERVICE. COORDINATE WORK WITH COMED.
 - E. FURNISH, INSTALL, AND ENERGIZE PROPOSED LIGHTING UNITS ON THE EAST SIDE OF US-45 (LaGRANGE ROAD) AS INDICATED ON DRAWINGS E-9 THROUGH E-10.
 - F. CONTRACTOR MUST COORDINATE THE REMOVAL AND RELOCATION OF EXISTING LIGHTING UNITS AT 175th STREET WITH COMED AND THE 175th STREET RECONSTRUCTION PERFORMED UNDER THIS PROJECT AS DIRECTED ON DRAWING E-6.
- STAGE 2**
- A. REMOVE ALL TEMPORARY LIGHTING UNITS, TEMPORARY LIGHTING CONTROLLER "T108", ASSOCIATED UTILITY SERVICE, AND WIRING ONCE TRAFFIC IS SHIFTED TO PROPOSED NORTHBOUND LANES CONSTRUCTED IN STAGE 1.
- STAGE 3**
- A. FURNISH, INSTALL, AND ENERGIZE PROPOSED LIGHTING UNITS ON THE WEST SIDE OF US-45 (LaGRANGE ROAD) AND SOUTH SIDE OF 163rd STREET AS INDICATED ON DRAWINGS E-11 THROUGH E-13.

100 S. WACKER DR.
 CHICAGO, IL 60606
 TEL (312) 935-1000
 FAX (312) 935-4198
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FILE NAME = D160F05-SHT-E02.dgn	USER NAME = Frank.Stallone	DESIGNED - MAE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 (LaGRANGE ROAD) ELECTRICAL GENERAL NOTES AND PHASING NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SHT.PLAN	PLOT SCALE = 2.0000' / in.	CHECKED - DAD	REVISED -			330	103R-3	COOK	932	528	
	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -			E-2		CONTRACT NO. 60F05			
						SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		