

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20P-5	LAKE	502	595
STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
D-91-552-99			CONTRACT #60881	

GENERAL NOTES

DATE			
BY			
ORIGINAL SURVEY PLOTTED	DATE		
NOTE BOOK TEMPLATE AREAS CHECKED	NO.		

DATE			
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ORIGINAL SURVEY PLOTTED	DATE		
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- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLE FOUNDATIONS, CENTER LINE OF TRENCH AND PUSHES AND THE LIGHTING CONTROLLER FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRECONSTRUCTION INSPECTION. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ROADWAY LIGHTING". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIKE SHALL REMAIN WITH THE CONTRACTOR.
- NO LIGHT POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTE THE REQUIREMENTS FOR THE ELECTRICAL SERVICE FOR THE PROPOSED ROADWAY LIGHTING. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRIC UTILITY COMPANY.
- THE LIGHTING CONTROL CABINET SHALL BE CONSTRUCTED TO U.L. STANDARD 508 AND BEAR THE LABEL "INDUSTRIAL CONTROL PANEL" WITHIN THE CABINET DOOR.
- TO MAINTAIN STRUCTURAL INTEGRITY OF THE LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT POLES SHALL NOT BE PAID UNTIL THE LUMINAIRES ARE INSTALLED.
- NO EQUIPMENT OR MATERIAL SHALL BE DELIVERED TO THE JOB SITE PRIOR TO THE APPROVAL AND INSPECTION BY 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.
- CONDUIT PUSHED AND IN TRENCH SHALL EXTEND FIVE (5) FEET BEYOND THE SHOULDER, CURB OR DRIVEWAY, AS APPLICABLE.
- THE CONTRACTOR SHALL PROVIDE A 3/4" X 10' COPPER CLAD GROUND ROD AT EACH LIGHT POLE (REFER TO THE FOUNDATION DETAIL).
- THE UNIT DUCT AND CONDUIT SHALL BE INSTALLED MIN. 30 INCHES BELOW FINISHED GRADE (UNLESS DIRECTED OTHERWISE) COMPLETE WITH WARNING TAPE. CONTRACTOR SHALL HAND DIG TEST HOLES FOR EVERY 1000 FT. OF TRENCHING/PLOWING FOR ENGINEER'S APPROVAL OF THE INSTALLATION.
- MATERIALS AND INSTALLATION METHODS SHALL COMPLY WITH CODES AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION. NATIONAL ELECTRICAL CODE (LATEST REVISION) SHALL BE CONSIDERED AS A MINIMUM REQUIREMENT.
- IT IS CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTACT J.U.L.I.E. PRIOR TO THE START OF ANY EXCAVATION WORK.
- BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL COMED CO. FOR APPROVAL OF LOCATION.
- FOR LOCATION OF EXISTING UNDERGROUND MUNICIPAL UTILITIES CALL THE VILLAGE OF BUFFALO GROVE.
- MATERIAL QUANTITIES ARE APPROXIMATIONS ONLY. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL QUANTITIES PRIOR TO ORDERING MATERIAL.
- THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION AND STAGING WITH OTHER WORK BEING DONE IN THE SAME GENERAL AREA BY COMED. CONTRACTOR SHALL SET UP COORDINATION MEETINGS IF REQUIRED.
- A STAGING SCHEDULE FOR MATERIAL INSTALLATION, REMOVAL AND APPROXIMATE DATE OF PROPOSED ENERGIZING OF PERMANENT LIGHTING SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK TO ASSURE COORDINATION WITH EXPEDITED WORK SCHEDULE.
- COMMONWEALTH EDISON COMPANY SHALL BE CONTACTED AS SOON AS POSSIBLE AND NOTIFIED OF PENDING SERVICE CONNECTIONS AND INSTALLATIONS TO ENSURE CONTINUITY OF NIGHT TIME HOURS OF LIGHTING OPERATION.
- ALL PROPOSED LIGHTING CONTROL CABINETS SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY, THE EXACT LOCATION TO BE CONFIRMED IN THE FIELD BY THE RESIDENT ENGINEER.
- ALL PROPOSED LIGHT POLE FOUNDATIONS, LIGHT FIXTURES, UNIT DUCT, AND CONDUIT SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE EXACT LOCATION IS TO BE CONFIRMED IN THE FIELD BY THE RESIDENT ENGINEER.
- EACH WIRE SHALL BE IDENTIFIED AT EACH POLE BY APPROPRIATE CONTROLLER AND CIRCUIT NUMBER.
- CONTRACTOR SHALL SUBMIT "RECORD DRAWINGS" A MINIMUM OF 7 DAYS PRIOR TO THE FINAL INSPECTION. "RECORD DRAWINGS" SHALL BE UPDATED REGULARLY DURING CONSTRUCTION AND INDICATE ALL LIGHTING MATERIAL INSTALLATION WITH ANY CHANGES IN RED.
- ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF ENGINEER.
- CONTRACTOR SHALL NOT PROCEED WITH CUTTING OF TREES OR CLEARING OF RIGHT-OF-WAY WITHOUT WRITTEN NOTIFICATION OF ENGINEER.
- CONTRACTOR TO VERIFY FOUNDATION BOLT PATTERN PRIOR TO CONSTRUCTING FOUNDATIONS.
- THE CONTRACTOR SHALL INSTALL A NEW BASE COVER FOR EACH RELOCATED LIGHT POLE.
- CONTRACTOR'S STAGING AREA SHALL BE AS DIRECTED BY THE OWNER IN THE PRE-CONSTRUCTION MEETING.
- LIGHTING CONTROLLER SHALL BE PAINTED GREEN TO MATCH EXISTING CONTROLLERS. PAINT SHALL BE AN ALKYL ENAMEL FOR EXTERIOR USE. CONTROLLER SHALL BE PREPARED WITH A PRIMER APPROVED BY THE PAINT MANUFACTURER FOR USE ON THIS SUBSTRATE.
- QUANTITY OF PUSHED CONDUIT AND CONDUIT IN TRENCH ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY THE QUANTITIES PRIOR TO ORDERING THE MATERIAL AND INSTALL CONDUITS IN FULL COMPLIANCE WITH THE DETAILS AND SPECIFICATIONS SET REQUIREMENTS.
- A PHOTOCCELL SHALL BE MOUNTED ON THE CLOSEST POLE TO LIGHTING CONTROLLER. FURNISH WEATHER TIGHT ADAPTER FOR MOUNTING PHOTOCCELL. PHOTOCCELL CONTROL CABLES SHALL RUN INSIDE THE SAME RACEWAY AS THE LIGHTING CIRCUIT. THE PHOTOCCELL AND PHOTOCCELL WIRING SHALL BE INCLUDED IN THE COST OF THE LIGHTING CONTROLLER AND SHALL NOT BE PAID FOR SEPARATELY.
- THE CONTROLLER AND CIRCUIT DESIGNATIONS AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. EXACT DESIGNATIONS FOR DECALS SHALL BE AS DIRECTED BY THE OWNER.
- THE POLE DESIGNATION AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. EXACT DESIGNATION OF ALL NEW POLES AND RELOCATED POLES SHALL BE AS DIRECTED BY THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, FLAG AND PROTECT ALL EXISTING UNDERGROUND UTILITIES PRIOR TO AND DURING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT NO EXTRA COST TO THE VILLAGE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE PROPOSED CABLE IN UNIT DUCT. REFER TO CIVIL PLAN SHEETS FOR LOCATIONS OF EXISTING UNDERGROUND UTILITIES. ALL EXISTING UNDERGROUND UTILITIES NOT SHOWN ON THE LIGHTING PLAN SHEETS FOR SAKE OF CLARITY.
- CIRCUIT NUMBERING AND DESIGNATIONS SHOWN ON THE PLANS ARE FROM EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY CIRCUIT NUMBERING, CABLE ROUTING AND POWER SOURCES DURING CONSTRUCTION.
- LOCATIONS OF PROPOSED AND EXISTING LIGHTING UNITS SHOWN ON PLAN SHEETS ARE APPROXIMATE. SEE LIGHT POLE SCHEDULES FOR EXACT LOCATIONS AND PROPOSED MODIFICATIONS. EXACT EXISTING ALL COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY REMOVED LIGHT POLES/FIXTURES SHALL BE TURNED OVER TO THE VILLAGE. COORDINATE LOCATION AND DELIVERY TIMES WITH OWNER/ENGINEER. CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING SYSTEM IN OPERATION DURING INSTALLATION OF PROPOSED LIGHTING SYSTEM.
- UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN ON THESE PLANS ARE PROPOSED NEW ITEMS OF WORK.

LEGEND

- PROPOSED ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING LIGHTING CONTROL CABINET
- PROPOSED LIGHTING CONTROL CABINET
- PROPOSED PAD MOUNTED ELECTRIC UTILITY TRANSFORMER
- EXISTING VILLAGE OF BUFFALO GROVE LIGHTING UNIT TO REMAIN
- EXISTING VILLAGE OF BUFFALO GROVE LIGHTING UNIT TO BE RELOCATED (SEE NOTE #40)
- RELOCATED VILLAGE OF BUFFALO GROVE LIGHTING UNIT (SEE NOTE #40)
- EXISTING VILLAGE OF BUFFALO GROVE LIGHTING UNIT TO BE REMOVED (SEE NOTE #40)
- EXISTING VILLAGE OF BUFFALO GROVE DUAL MAST ARM LIGHTING UNIT TO BE REMOVED (SEE NOTE #40)
- PROPOSED VILLAGE OF BUFFALO GROVE DUAL MAST ARM LIGHTING UNIT
- PROPOSED VILLAGE OF BUFFALO GROVE LIGHTING UNIT
- POLE NUMBER
- CIRCUIT NUMBER (LIGHTING FIXTURES)
- FESTOON OUTLET CIRCUIT LETTER (X = NONE REQUIRED)
- LIGHTING CONTROL CABINET DESIGNATION
- EXISTING LIGHTING CABLE IN 50mm PVC CONDUIT HASH MARKS INDICATE NUMBER OF PHASE AND GROUND WIRES. (CABLE SIZE AS NOTED)
- PROPOSED LIGHTING CABLE IN 50mm UNIT DUCT (CABLE SIZE AS NOTED)
- PROPOSED 100mm GRS CONDUIT, PUSHED OR TRENCHED, AS NOTED (CABLE SIZE AS NOTED)

M.A. Obama
EXPIRES 11/30/05
ELECTRICAL SHEETS ONLY!

ABBREVIATIONS

- GRS - GALVANIZED RIGID STEEL
- RGS - RIGID GALVANIZED STEEL
- CCT - CIRCUIT
- DIA - DIAMETER
- m - METER
- mm - MILLIMETER
- GND - GROUND
- REL - RELOCATED
- kW - KILOWATT
- C - CONDUIT
- E - ELECTRICAL
- REM - REMOVED
- P - PROPOSED
- EX - EXISTING
- AWG - AMERICAN WIRE GAUGE



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	IL RTE 22 (FAP 337)	
		IL RTE 83 TO US 45 / IL 21 (MILWAUKEE AVE)	
LIGHTING PLAN			
GENERAL NOTES AND LEGEND			
SCALE:		DRAWN BY:	CMW
DATE:	03-22-2004	CHECKED BY:	MAR