PROJECT NO.: M-8003 (699)

LEGEND

EXISTING LIGHTING CONTROLLER TO REMAIN.

NEW PAD MOUNTED LIGHTING CONTROLLER EXISTING COMBINATION LIGHT POLE AND

FIXTURE TO REMAIN.

EXISTING UTILITY POLE AND ATTACHED LIGHT FIXTURE,

EXISTING VILLAGE OF WESTMONT CONCRETE LIGHT POLE AND FIXTURE.

€ EXISTING VILLAGE OF WESTMONT ALUMINUM LIGHT POLE AND FIXTURE.

> PROPOSED VILLAGE OF WESTMONT 35 FT, HIGH ALUMINUM LIGHT POLE WITH 8 FT, MAST ARM AND 150W HPS LIGHT FIXTURE PER VILLAGE OF WESTMONT STANDARDS.

GROUNDING EXISTING LIGHTING CABLE PROPOSED LIGHTING CABLE IN 2" SCHEDULE 80 PVC CONDUIT (CABLE SIZE AS NOTED) PROPOSED PUSHED THRU GALVANIZED STEEL CONDUIT

POLE NUMBER CIRCUIT IDENTIFICATION (LIGHTING FIXTURES) LIGHTING CONTROL CABINET DESIGNATION FIXTURE TYPE

		TATORE THE	
IDOT CODED PAY ITEM NUMBER	DESCRIPIION	UNIT_OF MEASURE	TOTAL QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	904
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	F00T	60
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	210
817,02120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1204
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	60
81702410	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	1204
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	F00T	874
82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	14
83007300	LIGHT POLE, ALUMINUM, 35 FT. M.H., 8 FT. MAST ARM	EACH	11
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	149
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	6
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	F00T	195
X0321478	MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE	L SUM	1
X0323682	BARE COPPER WIRE, NO. 2/0	F00T	45
X0324637	BASE COVER, LIGHT POLE	EACH	11
X8250400	LIGHTING CONTROLLER PEDESTAL MOUNT	EACH	1
X8380090	BREAKAWAY DEVICE, COUPLING	EACH	44
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 10	FOOT	60
	INTERCEPT EXISTING CONDUIT FOR LIGHT POLE	EACH	6
	INTERCEPT EXISTING CONDUIT FOR LIGHTING CONTROLLER	EACH	1
	REMOVAL OF EXISTING LUMINAIRE, SALVAGE	EACH	3

E-01 1 OF 12 REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF WESTMONT 59TH STREET RECONSTRUCTION ELECTRICAL GENERAL NOTES SCALE: N.T.S. DRAWN BY: FO CHECKED BY: DEM

GENERAL LIGHTING NOTES

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLE FOUNDATIONS, CENTER LINE OF TRENCH AND CONDUIT PUSHES FOR EXAMINATION AND CONFIRMATION WITH THE VILLAGE AND ENGINEER, THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO
- 2. 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.
- 3. 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 OPERATIONS.
- 4. 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.
- 5. NO LIGHT POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED. A MINIMUM OF SEVEN DAYS OR AS APPROVED BY THE ENGINEER.
- 6. 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.
- 7. 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.
- 8. CONDUIT PUSHED, AND IN TRENCH SHALL EXTEND FIVE (5) FEET BEYOND THE SHOULDER, CURB OR DRIVEWAY, AS APPLICABLE.
- 9. THE CONTRACTOR SHALL PROVIDE A 3/4 " X 10' COPPER CLAD GROUND ROD AT EACH LIGHT POLE (REFER TO THE FOUNDATION DETAIL). THE GROUND ROD SHALL NOT BE EMBEDDED IN THE FOUNDATION.
- 10. ALL 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 FOR ENGINEER'S APPROVAL OF THE
- 11. 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
- 12. 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.
- 13. BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL COMED
- 14. FOR LOCATION OF EXISTING UNDERGROUND MUNICIPAL UTILITIES CALL THE VILLAGE OF WESTMONT.
- 15. MATERIAL QUANTITIES ARE APPROXIMATIONS ONLY. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL QUANTITIES PRIOR TO ORDERING MATERIAL.
- 16. 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.
- 17. 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 CONTRACT WORK SCHEDULE.
- 18. COMMONWEALTH-EDISON COMPANY SHALL BE CONTACTED WITHIN ONE WEEK OF AWARD OF CONTRACT AND NOTIFIED OF PENDING SERVICE CONNECTIONS AND INSTALLATIONS TO ENSURE CONTINUITY OF NIGHT TIME HOURS OF LIGHTING OPERATION.
- 19, A NEW LIGHTING CONTROL CABINET AND FOUNDATION SHALL BE PROVIDED FOR NEW WORK AS DETAILED IN THESE PLANS.
- 20. PROPOSED NEW CONDUITS SHALL BE PVC SCHEDULE 80. UNLESS NOTED OTHERWISE.
- 21. EACH WIRE SHALL BE IDENTIFIED AT EACH POLE BY APPROPRIATE CONTROLLER
- 22. 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
- 23. ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE VILLAGE AND ENGINEER.

- 24. CONTRACTOR SHALL NOT PROCEED WITH CUTTING OF TREES OR CLEARING OF RIGHT- OF-WAY WITHOUT WRITTEN NOTIFICATION AND APPROVED BY ENGINEER.
- 25. CONTRACTOR SHALL VERIFY FOUNDATION BOLT PATTERN PRIOR TO
- 26. THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHT POLES AND ASSOCIATED TEMPORARY CIRCUIT PER IDOT REQUIREMENTS, COORDINATE EXACT LOCATION WITH VILLAGE OF WESTMONT, DO NOT REMOVE EXISTING LIGHT POLE PRIOR TO TEMPORARY LIGHT POLES INSTALLED, ENERGIZED, AND ACCEPTED BY ENGINEER.
- 27. 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
- 28. THE CONTRACTOR SHALL PROVIDE NEW LIGHT FIXTURES PER SCHEDULE, NEW FIXTURES SHALL BE FURNISHED WITH PHOTOCELL AND ASSOCIATED WIRING, PHOTOCELL SHALL BE INSTALLED AND WIRED BY FIXTURE MANUFACTURER.
- 29. THE CONTROLLER AND CIRCUIT DESIGNATIONS AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. EXACT DESIGNATIONS FOR DECALS SHALL BE AS DIRECTED
- 30. THE POLE DESIGNATION AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. EXACT DESIGNATION OF ALL POLES SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE INSTALLATION OF IDENTIFICATION LABELS.
- 31. NEW POLES AND RELOCATED POLES SHALL BE AS DIRECTED BY THE OWNER.
- 32. 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 REPAIRD IMMEDIATELY AT NO EXTRA COST TO THE VILLAGE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE INSTALLATION OF THE PROPOSED CONDUIT
- 33. CIRCUIT NUMBERING AND DESIGNATIONS SHOWN ON THE PLANS ARE FROM EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY CIRCUIT NUMBERING, CABLE ROUTING AND POWER SOURCES DURING CONSTRUCTION.
- 34. ANY REMOVED LIGHT POLES/FIXTURES/PHOTOCELLS 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.
- 35. UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN ON THESE PLANS ARE PROPOSED
- 36. CONTRACTOR'S STAGING AREA SHALL BE AS DIRECTED BY THE OWNER IN THE
- 37. EXISTING POLES AND FIXTURES TO REMAIN, UNLESS NOTED OTHERWISE. REROUTE AND EXTEND CONDUIT AND WIRING AS REQUIRED FOR EXISTING REMAINING LIGHT POLES.
- 38. CONTRACTOR SHALL OBTAIN EXISTING LIGHTING PLANS FROM THE VILLAGE OF WESTMONT PRIOR TO STARTING CONSTRUCTION.
- 39. CONTRACTOR SHALL PROVIDE NEW COMPLETE FIXTURES IN PROJECT LIMITS. PROPOSED FIXTURES SHALL BE MANUFACTURED BY COOPER UTILITY LIGHTING, TYPE OVH15S22D4H-RA1014, 150W HPS, 16,000 LUMENS.
- 40. CONTRACTOR SHALL PROVIDE NEW LIGHT POLES IN PROJECT LIMITS. PROPOSED POLES SHALL BE MANUFACTURED BY HAPCO, 35 FEET MOUNTING HEIGHT, ALUMINUM, CATALOG NUMBER RTA35D8B4M18-** TYPE 21-867, AND WITH 8 FOOT MAST ARM.
- 41. EXISTING POLES TO BE REPLACED MAY BE TAKEN OUT OF SERVICE ONLY IF THE FOUR ADJACENT LIGHT POLES, TWO TO EITHER SIDE OF THE POLE, REMAIN IN SERVICE AND OPERATIONAL UNTIL THE POLE IS REPLACED, ENERGIZED, AND APPROVED BY THE ENGINEER

ABBREVIATIONS

AMERICAN WIRE GAUGE

CONDUIT

CCT CIRCUIT

DTA DIAMETER

ELECTRICA

EX EXISTING GND GROUND

k₩ KILOWATT

REL RELOCATED REMOVED REM

RGS RIGID GALVANIZED STEEL

PROPOSED

POLY VINYL CHLORIDE PVC (SCHEDULE 80 CONDUIT)

STATION

SJRVEYED PLOTTED GRADES CHE B.M. NOTED STRUCTURE

CHECKED

SURVEYED
PLOTTED
ALIGNMENT OF WAY
CADD FILE N

DATE NAME SCALE