F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00069-00-PV	DUPAGE	146	74
STA. 10+70.70		TO STA. 66+16.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83781

NOTES:

1. REMOVAL OF COMED LIGHT ON A POWER POLE IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY.
2. THE EXISTING ROADWAY LIGHTING SYSTEMS SHALL REMAIN IN PLACE AND OPERATING UNTIL THE NEW LIGHTING SYSTEMS HAVE BEEN INSTALLED, ENERGIZED, ALL TESTING HAS BEEN COMPLETED AND THE SYSTEMS HAVE BEEN ACCEPTED BY THE ENGINEER AFTER WHICH THE CONTRACTOR MAY BEGIN REMOVAL OF THE EXISTING SYSTEMS.
3. PRIOR TO THE INSTALLATION OF NEW CABLE DUCT, CONDUITS, LIGHT STANDARD FOUNDATIONS AND APPURTENANCES THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING LIGHTING CONDUITS, CABLES AND UNDERGROUND UTILITIES.
4. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT AND THE OPERATION OF THE EXISTING ROADWAY LIGHTING SYSTEMS.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT.
6. ALL NEW CABLE DUCT, CONDUIT, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
7. FLUORESCENT VESTS: ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT ORANGE VESTS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
8. TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT.
9. THE SCALE SHOWN ON THE PLANS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
10. ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPES AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS.
    - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
    - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
    - ILLUMINATING ENGINEERING SOCIETY
    - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
    - U.S. DEPARTMENT OF TRANSPORTATION
    - UNDERWRITERS LABORATORIES
    - AMERICAN NATIONAL STANDARDS INSTITUTE
    - INSULATED CABLE ENGINEERS ASSOCIATION
11. CONDUIT AND CABLE DUCT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH OTHER UTILITIES.
12. THE CONTRACTOR IS ADVISED THAT IN EVENT OF SNOW HE WILL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF ANY MAINTENANCE OF TRAFFIC PROTECTIVE DEVICES REQUIRED FOR HIS OPERATIONS THAT WOULD INTERFERE WITH SNOW REMOVAL OPERATIONS PERFORMED BY THE AUTHORITY.
13. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS SHALL BE RESTORED WITH TOPSOIL AND GRASS SEEDING. DAMAGED SHOULDER AREAS SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
14. 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 CO. SUBSEQUENT UPDATING OF THE SCHEDULE SHALL BE FORWARDED TO EDISON AS CHANGES MAY OCCUR IN THE DATE OF SERVICE REQUIREMENT. TWENTY DAYS BEFORE THE ELECTRICAL SERVICES ARE REQUIRED THE CONTRACTOR SHALL NOTIFY EDISON BY PHONE AND CONFIRM THE REQUEST IN WRITING.
15. COMED SERVICES SHALL BE INSTALLED SUCH THAT THE AVAILABLE SHORT CIRCUIT CURRENT TO ANY CONTROLLER WILL NOT EXCEED 10 KAIC.
16. CONTRACTOR SHALL COMPLY WITH:
    a. IDOT STANDARD SPECIFICATIONS
    b. SPECIAL PROVISIONS
    c. RECURRING SPECIAL PROVISIONS
    d. IES
    e. IDOT BEO GENERAL ELECTRICAL REQUIREMENTS
    f. NEC
    g. ALL OTHER APPLICABLE CODES
17. CONTRACTOR SHALL REMOVE CABLE FROM THE LIGHT POLE BEING REMOVED TO THE NEXT LIGHT ON THAT CIRCUIT. DUCT SHALL BE CUT TO 1 FOOT BELOW GRADE, CAPPED, AND ABANDONED. THIS WORK SHALL BE INCLUDED IN THE COST PAID FOR "REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE". SEPARATE PAYMENT WILL NOT BE MADE.

LEGEND:

- 30' ALUMINUM TAPER POLE WITH 150W HPS CUTOFF TYPE III LUMINAIRE ON 8' MAST ARM. TYPICAL 2' SETBACK BACK-OF-CURB. POLE SHALL BE FLAGPOLES INC. FPSLS84530B-1-8VD-BSB-BRZPC OR APPROVED EQUAL. LUMINAIRE SHALL BE AMERICAN ELECTRIC *CHMD-150S-R3-FLX-240-LPI-L/PER-AR0001 OR APPROVED EQUAL, AND SHALL BE PAINTED TO MATCH THE SPECIFIED DARK BRONZE POLES
- 120/240V 60A CONTROLLER, PAINTED TO MATCH THE LIGHT POLES.
- 3" RIGID GALVANIZED STEEL CONDUIT SLEEVE
- —E— EXISTING LIGHTING DUCT AND CABLE
- UNIT DUCT WITH CABLE AS NOTED
- (A) 4-#4 AND 2-#8 GND, 1½" UNIT DUCT
- (B) 2-#6 AND 1-#8 GND, 1" UNIT DUCT
- (C) 4-#6 AND 2-#8 GND, 1½" UNIT DUCT
- X LIGHT POLE TO BE REMOVED. SEE NOTE 17.

BILL OF MATERIAL

ITEM	UNIT	TOTAL QUANTITY
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FT	2,194
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FT	224
LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM, BREAKAWAY BASE	EA	48
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EA	48
LIGHT POLE FOUNDATION, 24" DIAMETER	FT	408
UNIT DUCT, WITH 2-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1" DIA., POLYETHYLENE	FT	1,535
UNIT DUCT, WITH 4-1/C NO. 6 AND 2-1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1½" DIA., POLYETHYLENE	FT	1,661
UNIT DUCT, WITH 4-1/C NO. 4 AND 2-1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1½" DIA., POLYETHYLENE	FT	3,069
UNIT DUCT, WITH 2-1/C NO. 4 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1" DIA., POLYETHYLENE	FT	178
ELECTRIC SERVICE INSTALLATION	EA	2
ELECTRIC UTILITY SERVICE CONNECTION	LS	1
LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 240VOLT	EA	2
GROUNDING ELECTRODE BELOW GRADE	EA	50
REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EA	6
LIGHTING CONTROLLER FOUNDATION	EA	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT	6,511

PLAN / PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE, CADD FILE NAME

LICENSED PROFESSIONAL ENGINEER — ERNEST E. LEAF — 062-055760 — STATE OF ILLINOIS — EXPIRES 11-30-2005

SIGNATURE AND DATE

Stanley Consultants INC.
850 West Higgins Road, Suite 730, Chicago, Illinois 60631-2801 Illinois Firm Registration No. 184-000533

REVISIONS NAME	DATE

VILLAGE OF VILLA PARK, ILLINOIS

LIGHTING GENERAL NOTES

SCALE: NONE — DRAWN BY: E.D.

DATE: 11-NOV-2004 — CHECKED BY: J.T.G.

Q:\5367\Phase2\07-Design\05-Dwgs\sht\367egn0L.dgn
11-NOV-2004