

# PROPOSED LIGHTING POLE/UNIT DETAIL

N.T.S.

LIGHTING UNIT NOTES:

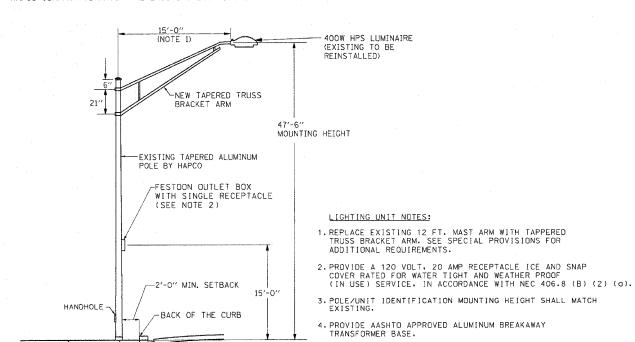
1. POLE DESIGN SHALL CONFORM WITH A.A.S.H.T.O. 1985 "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" FOR 80 M.P.H. WIND SPEED

2. PROVIDE A 120 VOLT. 20 AMP RECEPTACLE ICE AND SNAP COVER RATED FOR WATER TIGHT AND WEATHER PROOF (IN USE) SERVICE. IN ACCORDANCE WITH NEC 406.8 (B) (2) (a).

3. POLE/UNIT IDENTIFICATION MOUNTING HEIGHT SHALL MATCH EXISTING.

AND THE VILLAGE OF ORLAND PARK SECTION 6-407 REQUIREMENTS.

- 4. PROVIDE AASHTO APPROVED ALUMINUM BREAKAWAY TRANSFORMER BASE.
- 5. THE COMPLETE LIGHT STANDARD SHALL BE IDENTICAL TO THE TYPE MANUFACTURED BY THE HAPCO COMPANY TO MATCH THE EXISTING LIGHTING UNITS.



### EXISTING LIGHTING POLE/UNIT MODIFICATION DETAIL

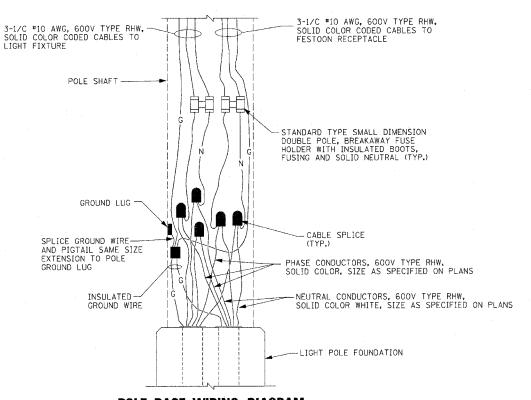
-ALUMINUM BREAKAWAY

#### TRIMMED CABLES-HEAT SHRINKABLE CAP COMPRESSION TYPE WITH FACTORY APPLIED COPPER SLEEVE. WATERPROOF SEALANT. (SIZED FOR ACTUAL (SIZED TO ACCOMMODATE NUMBER OF CABLES NUMBER OF CABLES). AND MFR. SUGGESTED CRIMP TOOL USED) SEALANT TAPE OR INSERT. (AROUND AND THROUGH CROTCH OF SPLICE). ELECTRIC FEEDER CABLES. EXPOSED SEALANT SUCH AS UNIT DUCT (SIZE AS NOTED ON CONTRACT DRAWINGS). NUMBER OF CABLES IN SPLICE MAY VARY. SEE PLAN SHEETS FOR THE CABLE QUANTITIES. ELECTRIC CABLE TO LUMINAIRE (SIZE AS NOTED ELSEWHERE IN THESE PLANS)

TYPICAL SPLICE DETAIL

TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT # 62880 2" MAXIMUM WIDTH EXCEPT AS APPROVED BY THE ENGINEER (MIN.) WARNING TAPE AS SPECIFIED UNIT DUCT WIRING AS PER-PLANS COMPLETE WITH INTERNAL INSULATED EQUIPMENT GROUND WIRE.

# TYPICAL WIRING IN TRENCH - DETAIL



# POLE BASE WIRING DIAGRAM

1. FUSES SHALL BE OF THE TIME DELAY TYPE (SEE SPECS.).

2. FOR AN END POLE, CAP AND SEAL THE UNUSED ELBOW.

NOTES:

BLACK - PHASE CUNDUCTOR
RED - PHASE CONDUCTOR
WHITE - NEUTRAL CONDUCTOR

ED-1

TOTAL SHEET SHEETS NO.

245 172

COUNTY

COOK

SECTION

537 R-1

351

REVISIONS NAME DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION US RTE 6 (159TH ST) AT US RTE 45 (LAGRANGE RD)
	POLE AND WIRING DETAILS
	SCALE: NONE DRAWN BY: MB
	DATE: 7-07-06 CHECKED BY: KMY
	McDonough Associates Inc.

Engineers / Architects

FINISHED-

GRADE

3. CABLE/WIRE COLOR CODING:

GREEN - GROUND CONDUCTOR