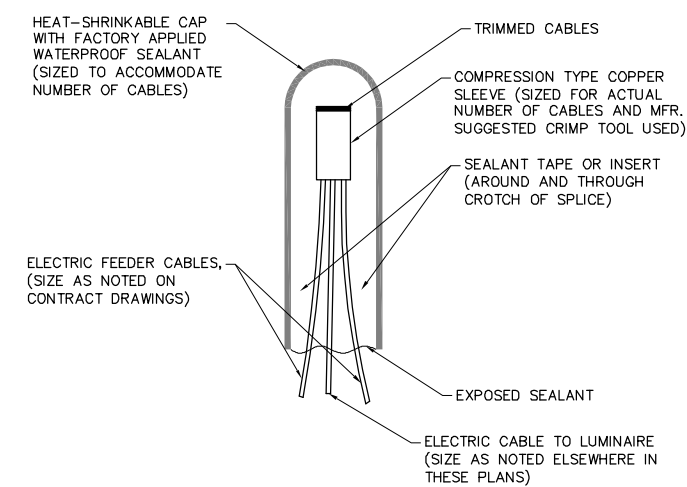
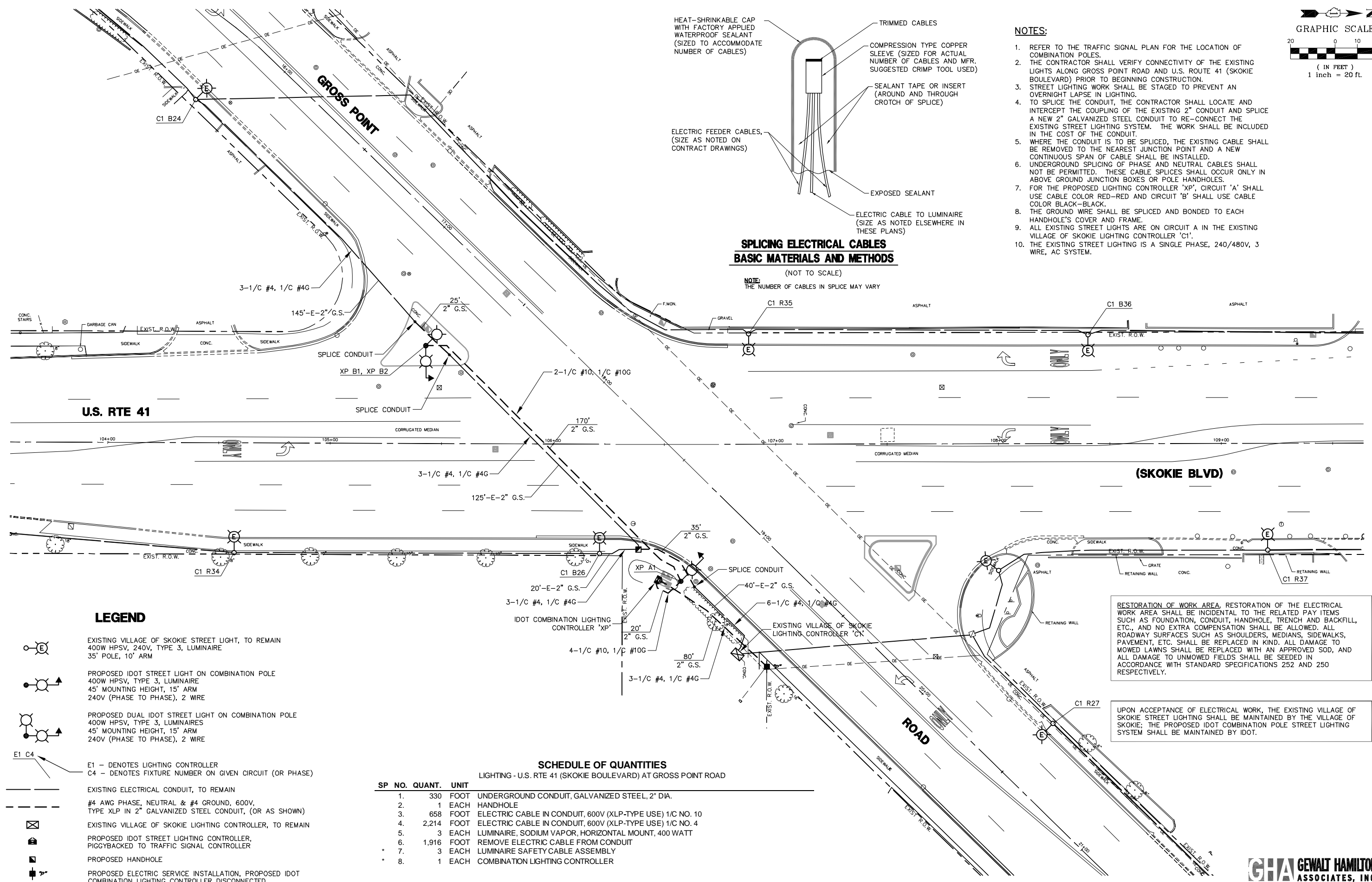


- NOTES:**
- REFER TO THE TRAFFIC SIGNAL PLAN FOR THE LOCATION OF COMBINATION POLES.
  - THE CONTRACTOR SHALL VERIFY CONNECTIVITY OF THE EXISTING LIGHTS ALONG GROSS POINT ROAD AND U.S. ROUTE 41 (SKOKIE BOULEVARD) PRIOR TO BEGINNING CONSTRUCTION.
  - STREET LIGHTING WORK SHALL BE STAGED TO PREVENT AN OVERNIGHT LAPSE IN LIGHTING.
  - TO SPLICE THE CONDUIT, THE CONTRACTOR SHALL LOCATE AND INTERCEPT THE COUPLING OF THE EXISTING 2" CONDUIT AND SPLICE A NEW 2" GALVANIZED STEEL CONDUIT TO RE-CONNECT THE EXISTING STREET LIGHTING SYSTEM. THE WORK SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
  - WHERE THE CONDUIT IS TO BE SPLICED, THE EXISTING CABLE SHALL BE REMOVED TO THE NEAREST JUNCTION POINT AND A NEW CONTINUOUS SPAN OF CABLE SHALL BE INSTALLED.
  - UNDERGROUND SPlicing OF PHASE AND NEUTRAL CABLES SHALL NOT BE PERMITTED. THESE CABLE SPLICES SHALL OCCUR ONLY IN ABOVE GROUND JUNCTION BOXES OR POLE HANDHOLES.
  - FOR THE PROPOSED LIGHTING CONTROLLER 'XP', CIRCUIT 'A' SHALL USE CABLE COLOR RED-RED AND CIRCUIT 'B' SHALL USE CABLE COLOR BLACK-BLACK.
  - THE GROUND WIRE SHALL BE SPLICED AND BONDED TO EACH HANDHOLE'S COVER AND FRAME.
  - ALL EXISTING STREET LIGHTS ARE ON CIRCUIT 'A' IN THE EXISTING VILLAGE OF SKOKIE LIGHTING CONTROLLER 'C1'.
  - THE EXISTING STREET LIGHTING IS A SINGLE PHASE, 240/480V, 3 WIRE, AC SYSTEM.



**SPlicing ELECTRICAL CABLES  
BASIC MATERIALS AND METHODS**

(NOT TO SCALE)  
NOTE: THE NUMBER OF CABLES IN SPLICE MAY VARY



**LEGEND**

- EXISTING VILLAGE OF SKOKIE STREET LIGHT, TO REMAIN  
400W HPSV, 240V, TYPE 3, LUMINAIRE  
35' POLE, 10' ARM
- PROPOSED IDOT STREET LIGHT ON COMBINATION POLE  
400W HPSV, TYPE 3, LUMINAIRE  
45' MOUNTING HEIGHT, 15' ARM  
240V (PHASE TO PHASE), 2 WIRE
- PROPOSED DUAL IDOT STREET LIGHT ON COMBINATION POLE  
400W HPSV, TYPE 3, LUMINAIRE  
45' MOUNTING HEIGHT, 15' ARM  
240V (PHASE TO PHASE), 2 WIRE
- E1 - DENOTES LIGHTING CONTROLLER  
C4 - DENOTES FIXTURE NUMBER ON GIVEN CIRCUIT (OR PHASE)
- EXISTING ELECTRICAL CONDUIT, TO REMAIN
- #4 AWG PHASE, NEUTRAL & #4 GROUND, 600V,  
TYPE XLP IN 2" GALVANIZED STEEL CONDUIT, (OR AS SHOWN)
- EXISTING VILLAGE OF SKOKIE LIGHTING CONTROLLER, TO REMAIN
- PROPOSED IDOT STREET LIGHTING CONTROLLER,  
PIGGYBACKED TO TRAFFIC SIGNAL CONTROLLER
- PROPOSED HANDHOLE
- PROPOSED ELECTRIC SERVICE INSTALLATION, PROPOSED IDOT  
COMBINATION LIGHTING CONTROLLER DISCONNECTED

**SCHEDULE OF QUANTITIES**  
LIGHTING - U.S. RTE 41 (SKOKIE BOULEVARD) AT GROSS POINT ROAD

SP NO.	QUANT.	UNIT	DESCRIPTION
1.	330	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
2.	1	EACH	HANDHOLE
3.	658	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10
4.	2,214	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4
5.	3	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
6.	1,916	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
7.	3	EACH	LUMINAIRE SAFETY CABLE ASSEMBLY
8.	1	EACH	COMBINATION LIGHTING CONTROLLER

RESTORATION OF WORK AREA. RESTORATION OF THE ELECTRICAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

UPON ACCEPTANCE OF ELECTRICAL WORK, THE EXISTING VILLAGE OF SKOKIE STREET LIGHTING SHALL BE MAINTAINED BY THE VILLAGE OF SKOKIE; THE PROPOSED IDOT COMBINATION POLE STREET LIGHTING SYSTEM SHALL BE MAINTAINED BY IDOT.

FILE NAME = 4085.877-EL1.dwg

USER NAME = ZACH WALLSTEN	DESIGNED - JRD	REVISED -
PLOT SCALE = 1" = .0833'	DRAWN - JZ	REVISED -
PLOT DATE = 3/22/2012	CHECKED - AJP	REVISED -
	DATE - 3/22/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LIGHTING PLAN  
U.S. RTE 41 AT GROSS POINT ROAD**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAP. RTE. VARIES	SECTION 2011-209-TS	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 37
CONTRACT # 60R47			ILLINOIS FED. AID PROJECT	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
GHA #4085.877