*REF-plan02

CONTRACT NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	530-N-2	COOK	53	19
STA. 100+00		TO STA.111+54.3406		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60A61

IL-53 @ IL-68 SUMMARY OF QUATITIES ELECTRICAL PAY ITEMS

ITEM DESCRIPTION QUANTITY	UNIT	QUANTITY
LIGHT POLE FOUNDATION 30" DIAMETER	FOOT	40
GROUND ROD 5/8" DIA x 10'	EACH	5
UNIT DUCT WITH 3-1/C #1 & 1/C #1 GROUND, 600V (EPR-TYPE RHW), 2" DIA. SCHEDULE 40 POLYETHYLENE	FOOT	1300
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	820
REMOVAL OF POLE FOUNDATION PARTIAL	EACH	4
RELOCATE EXISTING LIGHTING UNIT	EACH	4
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4
DOUBLE HANDHOLE HEAVEY DUTY	EACH	1
6" RGS CONDUIT PUSHED	FOOT	75
3-1/2" RGS CONDUIT PUSHED	FOOT	110

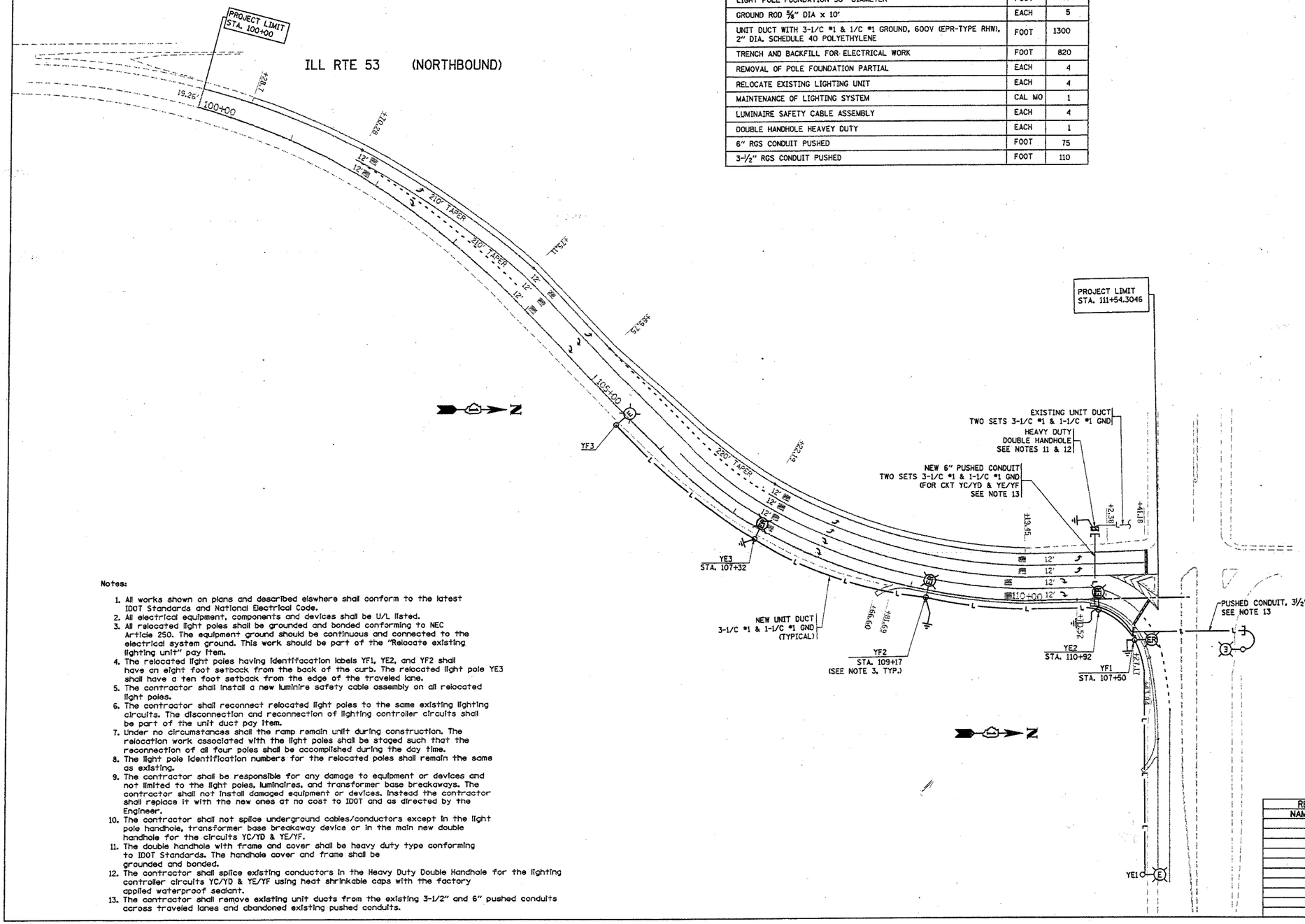
RELOCATED EXISTING LIGHT POLE WITH LUMINAIRE, 47.5' POLE 12' MA, 400 W HPS

GROUND ROD

EXISTING LIGHT POLE

3-1/C #1 & 1-1/C #1 GND NEW 2" UNIT DUCT

NEW PUSHED RGS CONDUIT UNDER PAVED SURFACE SIZE AS SHOWN ON PLAN



Notes:

1. All works shown on plans and described elswhere shall conform to the latest IDOT Standards and National Electrical Code.
2. All electrical equipment, components and devices shall be U/L listed.
3. All relocated light poles shall be grounded and bonded conforming to NEC Article 250. The equipment ground should be continuous and connected to the electrical system ground. This work should be part of the "Relocate existing lighting unit" pay item.
4. The relocated light poles having identifacation labels YF1, YE2, and YF2 shall have an eight foot setback from the back of the curb. The relocated light pole YE3 shall have a ten foot setback from the edge of the traveled lane.
5. The contractor shall install a new luminire safety cable assembly on all relocated light poles.
6. The contractor shall reconnect relocated light poles to the same existing lighting circuits. The disconnection and reconnection of lighting controller circuits shall be part of the unit duct pay item.
7. Under no circumstances shall the ramp remain unlit during construction. The relocation work associated with the light poles shall be staged such that the reconnection of all four poles shall be accomplished during the day time.
8. The light pole identification numbers for the relocated poles shall remain the same as existing.
9. The contractor shall be responsible for any damage to equipment or devices and not limited to the light poles, luminaires, and transformer base breakaways. The contractor shall not install damaged equipment or devices. Instead the contractor shall replace it with the new ones at no cost to IDOT and as directed by the Engineer.
10. The contractor shall not splice underground cables/conductors except in the light pole handhole, transformer base breakaway device or in the main new double handhole for the circuits YC/YD & YE/YF.
11. The double handhole with frame and cover shall be heavy duty type conforming to IDOT Standards. The handhole cover and frame shall be grounded and bonded.
12. The contractor shall splice existing conductors in the Heavy Duty Double Handhole for the lighting controller circuits YC/YD & YE/YF using heat shrinkable caps with the factory applied waterproof sealant.
13. The contractor shall remove existing unit ducts from the existing 3-1/2" and 6" pushed conduits across traveled lanes and abandoned existing pushed conduits.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY LIGHTING PLAN
IL-53 NORTH EXIT RAMP "C"
FOR IL. 68 (E&W)

SCALE: VERT. 1"=50' HORIZ.
DATE 12/21/2005

DRAWN BY CADD
CHECKED BY

PLOT DATE = 12/21/2005
FILE NAME = a:\projects\dl06906\sh_lgt_ss.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = ulrichkd