PROPOSED IDOT LIGHTING CONTROLLER "CQ" PIGGYBACK MOUNTED ON TRAFFIC SIGNAL CABINET SECTION COUNTY 3578 15VB-1-R-1 COOK 248 LOCATION # L1875 STA. TO STA. 120/240 VAC 1Ø, 3 WIRE FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 62388 CKT. CQB 2-1/C #6, 1/C #6 GND. 25mm (1") DIA. UNIT DUCT (TYP.) CKT. CQB 2-1/C #6, 1/C #6 GND. LIGHTING MAIN FEEDER FOR IDOT CONTROLLER FROM POLE MOUNTED COMBINATION 25mm (1") DIA. LIGHTING/SIGNALS SERVICE BOX UNIT DUCT (TYP.) 3-1/C #8, 1/C #10 G. 50mm (2") DIA, RGC, 30M, T SEE DETAIL BE-230 NOTE 4 PROPOSED ELECTRIC SERVICE POLE WITH COMBINATION LIGHTING & EXISTING LIGHT POLE TRAFFIC ELECTRIC SERVICE BOX TO REMAIN 120/240V, 1Ø, 3 WIRE 75mm (3") DIA. RGC. 24M., P PROPOSED VILLAGE OF CHICAGO RIDGE LIGHTING CONTROLLER "A" STA. 4+936 12.14M LT EXISTING LIGHT 240/480 VAC 1Ø, 3 WIRE POLE TO REMAIN, STA. 4+925 SET BACK 1.45M NOTE 1 JUNCTION BOX
ATTACHED TO ABUTMENT WALL 300MM X 250MM X 150MM STA. 4+925 STA, 4+923 MOUNTED ON WING WALL TEMPORARY EASEMENT EXISTING R.O.W 4+950 SOUTHWEST HIGHWAY , 4+850 75mm (3") DIA / 1. ALL PROPOSED GROUND MOUNTED LIGHT POLES SHALL HAVE RGC. 20.0M., F TRANSFORMER BASES. 2. COMBINATION TRAFFIC SIGNALS AND LIGHTING POLES; MOUNTING HEIGHT IS 13,72M AND LIGHTING MAST ARM IS 4.5M LONG. PAY ITEM FOR COMBINATION POLE IS LISTED UNDER TRAFFIC SIGNALS EXISTING R.O.W. CQB1 STA, 6+129 EXISTING LIGHT POLE QUANTITIES. COMBINATION POLE PAY ITEM INCLUDES LIGHTING MAST TO REMAIN ARM BUT LUMINAIRE IS NOT INCLUDED IN COMBINATION POLE ITEM. SET BACK 2.5M TEMPORARY EASEMENT NOTE 2 3. THE CONTRACTOR SHALL CONNECT THE PROPOSED LIGHT POLE TO THE (2) 75mm (3") DIA/ EXISTING LIGHTING CONTROLLER LOCATED AT MERRIMAC AVENUE, WHICH RGC. 20M., F IS MAINTAINED BY THE VILLAGE OF OAK LAWN, THE EXISTING CIRCUIT THAT SHALL BE ASSIGNED TO THE PROPOSED POLE SHALL BE THE SAME AS THE ONE THAT WAS ASSIGNED TO THE POLE BEING REMOVED THAT IS CLOSEST TO THE INTERSECTION. EXISTING LIGHT POLE AA2 STA. 4+835 TO REMAIN BRIDGE MOUNTED STA. 4+880 4.ALL MATERIALS, EQUIPMENT, AND LABOR NEEDED TO INSTALL AND CONNECT THE ELECTRIC SERVICE FROM THE COMED UTILITY TRANSFORMER TO THE LIGHTING CONTROLLER CABINET SHALL BE PART OF PAY ITEM NO. STA. 4+970 BRIDGE MOUNTED SET BACK 2.0M NOTE 5 80400100 - ELECTRIC SERVICE INSTALLATION, THAT SHALL INCLUDE THE APPROVED METER SOCKET, COMBINATION SERVICE BOX, CABLE, CONDUIT SERVICE CABLE FOR VILLAGE OF AND TRENCHING FOR THE CONDUIT SHOWN ON THE PLANS. ALL CONNECTIONS, SPLICING, AND WIRING TO THE NEW LIGHTING CONTROLLER CKTS. AA & AB 3-1/C #6, 1/C #8 GND. CHICAGO RIDGE LIGHTING CONTROLLER 3-1/C #2 IN 50mm (2") DIA. RGC. 40M., T 30mm ($1\frac{1}{4}$ ") DIA. UNIT DUCT IN SHALL ALSO INCLUDED UNDER THE SAME PAY ITEM. NOTE 4 75mm (3") PVC COATED CONDUIT ATTACHED TO STRUCTURE (TYP.) 5. CONDUITS AND JUNCTION BOXES CALLED OUT TO BE ATTACHED TO STRUCTURE SHALL BE ATTACHED TO BRIDGE STEEL BEAM CLOSEST TO STA. 6+073 LIGHT POLE. ALL CONNECTIONS AND CLAMPS USED SHALL BE PVC SET BACK 2.80M COATED, ALL CLAMPS AND BRACKETS SHALL BE ATTACHED WITH SCREWS NOTE 2 STA. 6+052 OR BOLTS, NO WELDING TO THE BRIDGE BEAMS IS ALLOWED. SEE STRUCTURAL DETAILS FOR MORE INFORMATION. SET BACK 1.10M NOTES 1,3 EXISTING CKT. REVISIONS 3 1/C #6, 1/C #8 GND. 50mm (1/2") DIA, DATE | ILLINOIS DEPARTMENT OF TRANSPORTATION NAME FAU 3578 (SOUTHWEST HIGHWAY) UNIT DUCT (TYP.) OVER B&O RAILROAD AND STONY CREEK NOTE 3 PROPOSED ROADWAY LIGHTING 2-1/C #6, 1/C #6 GND. 25mm (1") DIA. SHEET 2 OF 2 GANDHIAND ASSOCIATES, INC. ENGIMEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY UNIT DUCT (TYP.) DRAWN BY: RDP/KGP SUITE 306 CHICAGO, LLINOIS 60631 TEL.(773)774-5910 DATE: JUNE 17, 2009 CHECKED BY: PKG/MAE