COUNTY TOTAL SCHEDULE OF QUANTITIES 1223 00-00047-00-FP LAKE 180 163 WASHINGTON STREET AT CEMETERY ROAD CABLE PLAN, PHASE DESIGNATION DIAGRAM CEMETERY QUANT. CONTRACT NO. 83845 ILLINOIS UNIT ROAD CABLE PLAN LEGEND 36 SQ.FT L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN PROPOSED 75 **EXISTING** FOOT CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL 83 FOOT CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL G \odot 8" TRAFFIC SIGNAL SECTION CABLE PLAN 10 FOOT MA. CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL (R) R 12" TRAFFIC SIGNAL SECTION 153 FOOT CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL W W 12" PEDESTRIAN SIGNAL SECTION 200 FOOT CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL 141 FOOT CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL 12" PEDESTRIAN SIGNAL SECTION EACH HANDHOLE (2) (3) (3) EACH DOUBLE HANDHOLE TRACER CABLE ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C 700 FOOT \geq CONTROLLER CABINET 2415 F001 ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C S 33 179 212'2 \Box HUNT CLUB ROAD 36 SERVICE INSTALLATION 1904 FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C **E** 221'(3)-1717 FOOT VEHICLE DETECTOR, INDUCTION LOOP ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 50 340' 1717 FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C ___ MAGNETIC DETECTOR NO. 62.5/125 24F FIBER OPTIC CABLE 12 MM & 24 SM 169 FOOT ELECTRIC CABLE IN CONDUIT, SERVICE NO.6 2C 221'(7) EMERGENCY VEHICLE LIGHT DETECTOR ∝ 450 FOOT ELECTRIC CABLE IN CONDUIT NO.20 3/C, TWISTED, SHIELDED NO. 10 961 FOOT ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 16 6 PAIR ⊶(CONFIRMATION BEACON WASHINGTON ST EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. (SPECIAL) PUSH BUTTON DETECTOR WASHINGTON $(2)^{377}$ STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT. (SPECIAL) FACH Ø 2 FACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT. (SPECIAL) DENOTES NUMBER OF CONDUCTORS. | 108 | 108 | 7-ALL CABLE NO. 14 EXCEPT AS INDICATED. EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT. (SPECIAL) ALL LOOP DETECTOR CABLE TO BE 108(3)-EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT. (SPECIAL) SHIELDED. -- NO. 6 12 FOOT CONCRETE FOUNDATION, TYPE A 108'(3)-SIGNAL FACE WITH BACKPLATE. FOOT CONCRETE FOUNDATION, TYPE C 108'(5) 27 FOOT CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER INDICATES PROGRAMMED HEAD -M>011 26 FOOT CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER 4 FACH SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED H/C |||||||⊸ H/C 4 FACH SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED GROUND ROD AT HANDHOLE, <u>108'</u>(2)-4 EACH SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, STREET DOUBLE HANDHOLE OR CONTROLER TS NOTONIHZAW NO. 20 COAXIAL CABLE BRACKET MOUNTED Pull-Pull-o GROUND ROD AT POST OR MAST ARM POLE 99'3 99'3 -0-12R-0719 8 EACH PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH Sull GROUND ROD AT ELECTRIC SERVICE S_{III} → COUNTDOWN TIMER 00 TRAFFIC SIGNAL BACKPLATE TRACER CABLE EACH D 1 GROUND CABLE IN CONDUIT, NO.6 2 EACH LIGHT DETECTOR SOLID COPPER (GREEN) (2)152' LIGHT DETECTOR AMPLIFIER € 4 0 EACH 8 22 4 93 3 FIBER OPTIC CABLE NO. 62.5/125 EACH FULL-ACTIVATED CONTROLLER AND TYPE IV CABINET, SPECIAL MM12F & SM24F UNINTERRUPTIBLE POWER SUPPLY (UPS) EACH "E"(#) # BELDEN 8281 COAXIAL CABLE PEDESTRIAN PUSH-BUTTON EACH ð (3) 2 (2) NO. 62.5/125 24F FIBER OPTIC CABLE EACH TRANSCEIVER-FIBER OPTIC T TELEPHONE 12 MM & 24 SM EACH SERVICE INSTALLATION, POLE MOUNT 173 FOOT TRENCH AND BACKFILL FOR ELECTRICAL WORK PROPOSED IMAGE SENSOR THE END OF THE TRACER CABLE FACH VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION) SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET CEMETERY ROAD -NO. 6 REMOTE-CONTROLLED VIDEO SYSTEM EACH PROPOSED STREET LIGHTING LUMINAIRE ΜA 1 EACH TEMPORARY TRAFFIC SIGNAL INSTALLATION PROPOSED DOME PAN/TILT/ZOOM EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT (PTZ) CAMERA EACH REMOVE EXISTING HANDHOLE 9 FACH REMOVE EXISTING CONCRETE FOUNDATION PROPOSED L.E.D. ILLUMINATED 1st AV EACH LAYER II (DATA LINK) SWITCH STREET NAME SIGN 961 FOOT ELECTRICAL CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1/C NO. 10 CONTROLLER SEQUENCE PROPOSED EMERGENCY FACH LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL 250 WA VEHICLE PREEMPTION SEQUENCE EACH TEMPORARY TRAFFIC SIGNAL TIMINGS NO. 6 (4) (7) R 4 LEGEND: ◆ ▼ SINGLE ENTRY PHASE PROPOSED EMERGENCY VEHICLE PREEMPTORS ◆*** DUAL ENTRY PHASE THE TRAFFIC SIGNAL CONTROL EQUIPMENT WASHINGTON **4**--6)--WASHINGTON **4**-3-EMERGENCY FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS VEHICLE ----(5)-**-**---(4) ←-(*)-→ PEDESTRIAN PHASE PREEMPTOR WATTAGE -2)--▶ -(3)--▶ WATTAGE NUMBER REFERS TO MOVEMENT NO LAMPS % OPERATIO ASSOCIATED PHASE SIGNAL (RED) SIGNAL (YELLOW) SIGNAL (GREEN) STREET STREET OVERLAP 44.00 CEMETERY 4 CONTROLLER 25.00 150.00 VIDEO SYSTEMS LAKE COUNTY DIVISION OF TRANSPORTATION 128.00 PHASE DESIGNATION DIAGRAM CABLE PLAN, PHASE DESIGNATION DIAGRAM LIMINAIRE 500.00

1189.00

ENERGY COSTS

NERGY SUPPLY -

CONTACT

PHONE

ComEd

FOUNDATION (DEPTH) (FT.)

CABLE SLACK

DOUBLE HANDHOLE

SIGNAL POST CONTROLLER CAB. FIBER OPTIC

ELECTRIC SERVICE GROUND CABLE VERTICAL

(FT.)

20'+L-2=

PLANS PREPARED BY

GEWALT HAMILTON

Consulting Engineers & Surveyors 850 Forest Edge Drive Vernon Hills, E. 60061 (847) 478-9700 (847) 478-9701 Fax REVISIONS

PER IDOT/LCDOT REVIEW 02-15-05

REV.-5 PRE-FINAL SUB 02-20-09

06-02-0

SCALE: NONE DATE: 11-15-04

PER LCDOT REVIEW 09-01-0

R-2 PLANS STAGED

AND SCHEDULE OF QUANTITIES

WASHINGTON STREET AT

CEMETERY ROAD

DRAWN BY: CGP

DESIGNED BY: JRD CHECKED BY: BLS