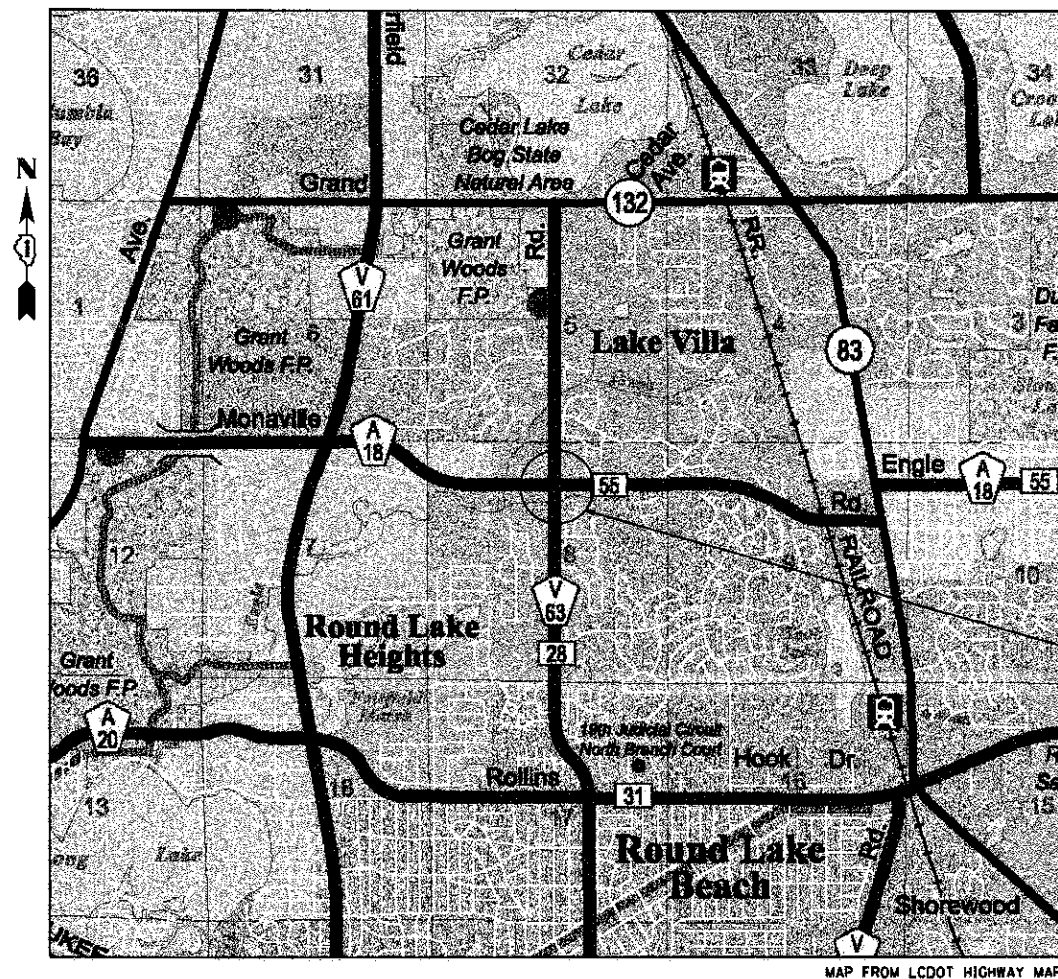


LOCATION MAP



MAP FROM LCDOT HIGHWAY MAP

GENERAL NOTES - ROADWAY LIGHTING

1. SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
2. LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (DECORATIVE ROCKS, PLANTS, ETC.).
4. ALL WORK SHALL CONFORM TO THE LATEST LAKE COUNTY DOT, IDOT, IDOT DISTRICT 1 STANDARDS, SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS, THE NATIONAL ELECTRICAL CODE, AND THE NATIONAL ELECTRICAL SAFETY CODE.
5. BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE STARTING WORK.
6. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND LABELED.
7. ALL CONDUITS SHALL BE SEALED.
8. ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION.
9. ALL LAMPS SHALL BE 250W HPS AND SHALL BE FURNISHED AS PART OF THE CONTRACT.
10. CIRCUITS SHALL BE TESTED PER SPECIFICATION.
11. THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
12. ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
13. THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING COMED OVERHEAD ELECTRIC LINES. THE CONTRACTOR SHALL PLAN HIS WORK CONSIDERING COMED'S LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
14. GROUNDING CONDUCTORS SHALL BE CONTINUOUS.
15. ALL NEW UNIT DUCTS AND UNDERGROUND CONDUITS SHALL BE PLACED A MINIMUM OF 30" BENEATH THE GROUND SURFACE (FINAL GRADE), UNLESS NOTED OTHERWISE.
16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS AND DATA PRIOR TO BIDDING.

ABBREVIATIONS

A	AMPS
DIA	DIAMETER
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
DCO	DUPLEX CONVENIENCE OUTLET
GND	GROUND
FT	FEET
HPS	HIGH PRESSURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
LT	LEFT
MH	MOUNTING HEIGHT
P	PUSHED
PC	PHOTOCELL CONTROL
PH	PHASE
PTZ	PAN / TILT / ZOOM
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
RT	RIGHT
STA	STATION
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATTS
W	WIRES

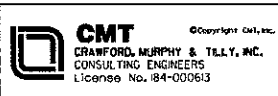
ROADWAY LIGHTING LEGEND

DESCRIPTION	PROPOSED	EXISTING
ROADWAY LIGHT POLE AND LUMINAIRE TYPE 1: 250W HPS LUMINAIRE, 30 FT POLE, 8 FT MAST ARM TYPE 2: 250W HPS LUMINAIRE, 30 FT POLE, 15 FT MAST ARM		
LIGHTING CONTROLLER, 100 AMP, 480V		
UTILITY POLE (PROPOSED - BY OTHERS)		
PROPOSED ROADWAY LIGHTING HANDHOLE		
UNIT DUCT		
RIGID GALVANIZED STEEL CONDUIT, PUSHED CONTAINING PULLED-IN UNIT DUCT		
PROPOSED 3" GRS CONDUIT, IN TRENCH		
PROPOSED 1" DIA. POLYETHENINE WITH (3) 1/C #6 AND (1) 1/C #6 GND. (XLP-TYPE USE).		
RIGHT OF WAY		
GROUND ROD		
REMOTE CONTROLLED VIDEO SYSTEM, LAYER II SWITCH, VIDEO ENCODER, CCTV CABINET, WIRELESS VIDEO DISTRIBUTION SYSTEM, AND CAT 6 ETHERNET CABLE		

PLAN NOTES - ROADWAY LIGHTING

1. PROPOSED UTILITY POLE SHALL BE INSTALLED BY COMED. CONTRACTOR SHALL INSTALL CONDUIT, GROUNDING, DISCONNECT ANY SECONDARY CONDUCTORS TO THE UTILITY POLE. COORDINATE ALL WORK WITH COMMONWEALTH EDISON. REFER TO LIGHTING CONTROLLER DETAIL.
2. PROPOSED ROUTING OF CONDUIT AS SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY EXACT ROUTING IN THE FIELD.
3. ALL SPLICES SHALL BE HEAT SHRINK AND WATERPROOF, INSTALLED INSIDE POLE BASE OR HANDHOLES. NO DIRECT BURIED SPLICES SHALL BE ALLOWED.
4. REFER TO IDOT STANDARD 814001-02 FOR HANDHOLE DETAILS.
5. PROPOSED 1" DIA. UNIT DUCT WITH (2) 1/C #10 AND (1) 1/C #10 GND. (XLP-TYPE USE) FOR CCTV AND WIRELESS VIDEO DISTRIBUTION SYSTEM POWER.
6. LIGHTPOLES SHALL BE PLACED WITH 3.5' OFFSET FROM THE BACK OF CURB TO THE CENTER OF THE LIGHTPOLE FOUNDATION. IF LIGHTPOLE NEEDS TO BE PLACED IN A DIFFERENT LOCATION THE RESIDENT ENGINEER WILL DETERMINE THE FINAL LOCATION.
7. CONTRACTOR SHALL PROVIDE THREADED CAPS FOR BOTH 3" CONDUITS AT ROUNDABOUT ISLAND. COST SHALL BE INCLUDED IN THE COST OF "UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA."

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USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 48,0000' / 1"	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND CCTV PLAN
GENERAL NOTES, LEGEND AND SHEET INDEX

SCALE: N.T.S.	SHEET NO. 1 OF 9 SHEETS	STA. N/A TO STA. N/A	F.A.U. R.T.E. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 48
CONTRACT NO. 63682							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT