

GENERAL NOTES - ROADWAY LIGHTING

- SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (DECORATIVE ROCKS, PLANTS, ETC.).
- ALL WORK SHALL CONFORM TO THE LATEST IDOT AND IDOT DISTRICT 1 STANDARDS, SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, SPECIAL PROVISIONS, NATIONAL ELECTRICAL CODE, AND NATIONAL ELECTRICAL SAFETY CODE.
- BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE STARTING WORK.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND LABELED.
- ALL CONDUITS SHALL BE SEALED.
- ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION.
- ALL LAMPS SHALL BE FURNISHED AS PART OF THE CONTRACT.
- CIRCUITS SHALL BE TESTED PER SPECIFICATION.
- THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER. IN NO CASE SHOULD THE FACE OF THE POLE BE LESS THAN THE IDOT GUIDELINE OF 2'-0" FROM THE BACK OF THE CURB.
- ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS AND DATA PRIOR TO BIDDING.
- THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING OVERHEAD ELECTRIC LINES. THE CONTRACTOR SHALL PLAN HIS WORK CONSIDERING LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
- GROUNDING CONDUCTORS SHALL BE CONTINUOUS, INSULATED, RUN TOGETHER WITH THE CIRCUIT CONDUCTORS AND PROPERLY BONDED TO POLES, HANDHOLES, BOXES, ETC.
- ALL NEW UNIT DUCTS AND UNDERGROUND CONDUITS SHALL BE PLACED A MINIMUM OF 30" BENEATH THE GROUND SURFACE (FINAL GRADE), UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS, FOUNDATIONS AND UNIT DUCTS WITH THE ROADWAY, CURB AND SIDEWALK WORK, AND TRAFFIC SIGNAL WORK AND WITH UNDERGROUND UTILITIES.
- THE EXISTING LIGHTING SYSTEM VOLTAGE WITHIN THE PROJECTS LIMITS IS 240V.
- THE COST OF SPLICING TEMPORARY CONDUCTORS TO EXISTING CONDUCTORS IN EXISTING POLES SHALL BE INCIDENTAL TO THE PAY ITEM FOR AERIAL CABLE.
- TEMPORARY LIGHTING SHALL REMAIN IN SERVICE UNTIL THE PERMANENT LIGHTING SYSTEM IS IN OPERATION.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRES.
- THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER FROM THE IDOT BEFORE WORK BEGINS. CONTACT NEIL THAKKAR, PHONE (708) 524-2145.
- ALL 10" DIAMETER ALUMINUM LIGHT POLES SHALL BE FURNISHED WITH 9" HIGH TRANSFORMER BASES.

SHEET INDEX

SHEET NO.	TITLE
LT-01	GENERAL NOTES, LEGEND, SHEET INDEX
LT-02	PROPOSED INTERSECTION LIGHTING PLAN
LT-03	TEMPORARY LIGHTING PLAN
LT-04	INTERSECTION LIGHTING - REMOVAL PLAN
LT-05	WIRING DIAGRAM
LT-06	PROPOSED PEDESTRIAN UNDERPASS LIGHTING PLAN

DETAILS

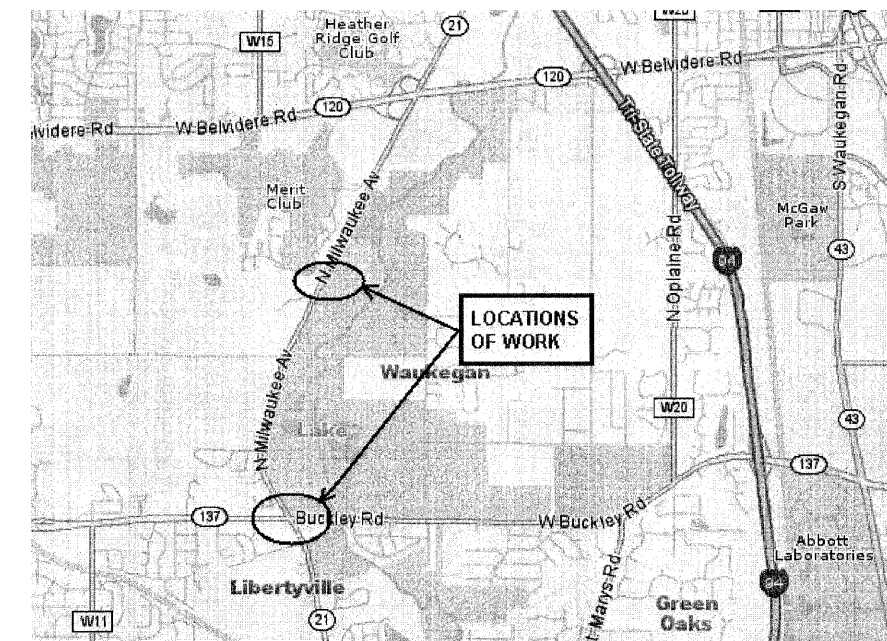
SHEET NO.	IDOT DIST 1 DETAIL NO.	TITLE
LT-07	BE-215	LIGHTING CONTROLLER - LM
LT-08	(Modified)	LIGHTING CONTROLLER, PEDESTAL MOUNT (UNDERPASS)
LT-09	BE-301	LIGHT POLE FOUNDATION, 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
LT-10	BE-400	LIGHT POLE, ALUMINUM, TRUSS TYPE, 47.5 FT. M.H.
LT-11	BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
LT-12	BE-702	MISC. DETAILS, SHEET A - CABLE SPLICE, POLE WIRING, TRENCH DETAIL
LT-13	BE-800	TEMPORARY LIGHT POLE DETAILS
LT-14	BE-801	TEMPORARY AERIAL CABLE INSTALLATION.

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
C	CONDUIT
CKT	CIRCUIT
COMED	COMMONWEALTH EDISON
DCO	DUPLEX CONVENIENCE OUTLET
DIA	DIAMETER
E	EXISTING LIGHTING UNIT TO REMAIN
EPR	ETHYLENE PROPOLYENE RUBBER
FT	FEET
GND	GROUND
HPS	HIGH PRESSURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
IN	INCHES
LCCFP	LAKE COUNTY FOREST PRESERVES
LT	LEFT
MA	MAST ARM
MH	MOUNTING HEIGHT
MTW	MACHINE TOOL WIRE
P	PUSHED
PC	PHOTOCELL CONTROL
PH	PHASE
PVC	POLYVINYL CHLORIDE
R	EXISTING LIGHTING UNIT TO BE REMOVED (OWNER SALVAGED)
RGSC	RIGID GALVANIZED STEEL CONDUIT
RT	RIGHT
STA	STATION
T	TEMPORARY
TYP	TYPICAL
UD	UNIT DUCT
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATTS
W	WIRES

SYMBOL LIST

DESCRIPTION	PROPOSED	EXISTING TO REMAIN	EXISTING TO BE REMOVED	TEMPORARY
PROPOSED LIGHTING UNIT: 47.5 FT MH, 15 FT MA 400W HPS M-C-II LUMINAIRE WITH 9" HIGH TRANSFORMER BASE, UNO				
PROPOSED 400W HPS M-C-II LUMINAIRE, 15 FT MA, MOUNTED ON COMBO POLE				
EXISTING LIGHTING UNIT				
UNIT DUCT IN TRENCH, 1 1/2" DIA. POLYETHYLENE WITH 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE)				
3" RGSC, PUSHED WITH UNIT DUCT, 1 1/2" DIA. POLYETHYLENE WITH 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE)				
RGSC IN TRENCH, SIZE AND CONDUCTORS AS NOTED ON PLANS				
RGSC EMBEDDED IN CONCRETE STRUCTURE, SIZE AND CONDUCTORS AS NOTED ON PLANS				
TEMPORARY LIGHTING UNIT: 60' CLASS 4 WOOD POLE, 400 W HPS WITH PHOTOCELL CONTROL, 50' MH, 15 FT MA, UNO AERIAL CABLE, 3-1/C # 4 WITH MESSENGER WIRE				
GROUND ROD, COPPER-CLAD STEEL, 5/8" DIA. X 10' LONG, UNO				
LIGHTING CONTROLLER CABINET, SINGLE DOOR, BASE MOUNTED, 240/480V, 1-PH, 3-WIRE (DOOR SIDE AS INDICATED)				
ELECTRIC UTILITY POLE				
UNDERPASS LUMINAIRE				



SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60605
 phone: 312.277.8800 fax: 312.277.8808 web: www.spaanTech.com

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 21 AND ILLINOIS ROUTE 137
GENERAL NOTES, LEGEND, AND SHEET INDEX**

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	517	229
				CONTRACT NO. 60953
ILLINOIS FED. AID PROJECT				

LT-01