

## ROADWAY LIGHTING SYMBOLS

DESCRIPTION	PROPOSED	EXISTING	DEMOLITION	TEMPORARY
LIGHT UNIT		○—○		
LIGHTING CONTROLLER		⊠		
CONDUIT, EMBEDDED		— — — —		
RIGID GALVANIZED STEEL CONDUIT, ATTACHED TO STRUCTURE		—————		
AERIAL CABLE				———A———
CONDUCTORS TO BE REMOVED FROM EXISTING EMBEDDED CONDUIT AND REPLACED WITH NEW			— XXX —	
ComEd OVERHEAD LINES			— / E / —	

## ROADWAY LIGHTING INDEX OF SHEETS

LT-01	ROADWAY LIGHTING LEGEND & SHEET INDEX, GENERAL NOTES
LT-02	ROADWAY LIGHTING SCHEDULE OF QUANTITIES
LT-03	TEMPORARY LIGHTING PLAN
LT-04	TEMPORARY LIGHTING PLAN
LT-05	TEMPORARY LIGHTING PLAN
LT-06	EMBEDDED LIGHTING PLAN
LT-07	EMBEDDED LIGHTING PLAN
LT-08	EMBEDDED LIGHTING PLAN
LT-09	DETAILS


## CABLE LEGEND

TAG	DESCRIPTION
①	3-1/C #4 AND 1-1/C #4 GROUND IN CONDUIT, 600V
②	TEMPORARY AERIAL CABLE, 600V, 3/C #2 ALUMINUM WITH STEEL MESSENGER WIRE

## 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 REQUEST A FORMAL MAINTENANCE TRANSFER BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF LEMONT PUBLIC WORKS AT (630) 257-2532.
  4. ALL WORK SHALL CONFORM TO THE LATEST IDOT AND IDOT DISTRICT 1 STANDARDS, SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE.
  5. 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. CIRCUITS SHALL BE TESTED PER SPECIFICATION.
  9. THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
  10. ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
  11. THE EXISTING LIGHTING SYSTEM VOLTAGE IS 240/480V, 1-PHASE, 3-WIRE. LUMINAIRE VOLTAGE IS 240V.
  12. THE EXISTING LIGHTING CONTROLLER IS IDENTIFIED ON THE PLANS FOR REFERENCE ONLY.
  13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS AND DATA PRIOR TO BIDDING.
  14. TEMPORARY LIGHTING SHALL REMAIN IN SERVICE UNTIL THE PERMANENT LIGHTING SYSTEM IS RETURNED TO OPERATION.
  15. CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING COMED LINES. CONTRACTOR SHALL PLAN HIS WORK CONSIDERING ComEd'S LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
  16. ALL EXISTING LIGHTING UNITS SHALL BE OPERATIONAL BETWEEN SUNDOWN AND SUNRISE.
  17. MATERIALS AND INSTALLATION COSTS FOR CONDUIT EXPANSION/DEFLECTION JOINTS SHALL BE INCIDENTAL TO THE COST FOR CONDUIT EMBEDDED IN STRUCTURE.
  18. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UNDERPASS LIGHTING DURING CONSTRUCTION. IN THE EVENT THAT UNDERPASS LUMINAIRES OR THEIR ASSOCIATED CONDUITS OR JUNCTION BOXES INTERFERE WITH CONCRETE REPAIR AREAS, THE CONTRACTOR SHALL RELOCATE AND/OR PROVIDE TEMPORARY ELECTRICAL EQUIPMENT AS REQUIRED TO MAINTAINING THE UNDERPASS LIGHTING IN SERVICE DURING THE CONSTRUCTION PERIOD. THIS WORK SHALL BE INCIDENTAL TO THE PAY ITEM FOR MAINTENANCE OF LIGHTING SYSTEM.
  19. COST OF SPLICING TEMPORARY CONDUCTORS TO EXISTING CONDUCTORS IN EXISTING POLES SHALL BE INCIDENTAL TO THE PAYITEM FOR AERIAL CABLE. COST OF SPLICING NEW PERMANENT CONDUCTORS TO EXISTING CONDUCTORS AT BASE OF POLES SHALL BE INCIDENTAL TO THE PAY ITEM FOR ELECTRIC CABLE IN CONDUIT.
  20. GROUNDING CONDUCTORS SHALL BE CONTINUOUS.
  21. THE CONTRACTOR SHALL HAVE A STRUCTURAL ENGINEER EVALUATE THE STRUCTURAL INTEGRITY OF THE EXISTING POLES TO SUPPORT THE TEMPORARY AERIAL CABLES AS SHOWN IN THE PLANS AND SHALL SUBMIT THE EVALUATION TO THE ENGINEER FOR REVIEW AND APPROVAL.
- IN THE EVENT THAT THE EXISTING POLES ARE NOT CAPABLE OF SUPPORTING THE LOAD OF THE TEMPORARY AERIAL CABLES, THE CONTRACTOR SHALL, IN LIEU OF MOUNTING THE AERIAL CABLES TO THE POLE, SUPPORT THE AERIAL CABLES ON THE BACK SIDE OF THE WALL BY CLAMPING (NO DRILLING) STAND-OFF SUPPORTS TO THE PARAPET WALL. AT THE BRIDGE JOINT(S) THE AERIAL CABLES SHALL BE APPROPRIATELY DROOPED OR OTHERWISE TRAINED OUT OF THE WAY FOR THE JOINT WORK. THE CONTRACTOR SHALL PERFORM THIS WORK IN A MANNER APPROVED BY THE ENGINEER. ALL TEMPORARY CABLES INSTALLED NEAR THE SIDEWALK ON THE EAST SIDE OF THE BRIDGE SHALL BE REMOVED BEFORE THE SIDEWALK IS OPENED TO PUBLIC ACCESS. PAYMENT FOR THIS ALTERNATIVE SHALL BE AS "AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE"; AND ALL CLAMPS, SPLICES AND OTHER ASSOCIATED APPURTENANCES SHALL BE INCIDENTAL TO THAT PAY ITEM.

LT-01

FILE NAME = LT-01.dgn PLOT DATE = 2/2/2009	 SPAAN Tech, Inc. <small>311 S. Wacker Drive, Suite 2400 Chicago, Illinois 60606 phone: 312.277.8800 fax: 312.277.8808 web: www.SpaanTech.com</small>	DESIGNED - I.A.B.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING SYMBOLS & SHEET INDEX, GENERAL NOTES LEMONT ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN - M.K.J.		REVISED -	2612		3104 B-1-I-2	COOK	80	25				
CHECKED - A.D.O.	REVISED -	SCALE: NONE			SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60076		
DATE - JANUARY, 2009	REVISED -							FEB. ROAD DIST. NO. 1 (ILLINOIS) FEB. AID PROJECT				