ROADWAY LIGHTING GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN EXISTING LIGHTING SYSTEM ALONG WINFIELD ROAD INTERCHANGES, THROUGHOUT THE PROJECT LIMITS, UNTIL RECONSTRUCTION WORK REQUIRES REMOVAL.
2. ALL CABLE DUCT SHALL BE PLOWED-IN UNLESS SPECIFICALLY NOTED ON THE PLANS TO BE INSTALLED IN (A)-TRENCH, (B)-4"SCH. 40 PVC DUCT, OR (C)-A 3" OR 4" UNDERGROUND CONDUIT OR CASING TAGGED AS APPLICABLE.
3. PRIOR TO INSTALLATION OF NEW CABLE DUCT, CONDUITS, JUNCTION BOXES, LIGHT STANDARD FOUNDATION AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLES AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. TO AID IN THIS TASK.
4. THE CONTRACTOR SHALL VERIFY ALL DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT AND THE OPERATION OF THE EXISTING ROADWAY LIGHTING AND SIGN LIGHTING SYSTEMS.
5. ALL NEW CABLE DUCT, CONDUIT, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
6. THE ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPE AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:

   NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
   INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
   ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
   AMERICAN ASSOC. OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
   U.S. DEPARTMENT OF TRANSPORTATION
   UNDERWRITERS LABORATORIES
   AMERICAN NATIONAL STANDARD INSTITUTE
   INSULATED CABLE ENGINEERS ASSOCIATION
7. MULTI-CABLE DUCT RUNS ARE TO BE INSTALLED IN COMMON TRENCH AND BACKFILLED.
8. CONDUIT AND CABLE DUCT SHALL BE POSITIONED IN THE FIELD TO AVOID UTILITY INTERFERENCE-CONTRACTOR TO VERIFY LOCATIONS.
9. WHERE MULTIPLE CABLE DUCTS OR CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH CABLE DUCT OR CONDUIT BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.
10. ALL PITS USED FOR INSTALLED PUSHED (JACKED) STEEL CASING UNDER EXISTING ROADWAYS SHALL BE LOCATED FIVE (5) FEET MINIMUM CLEARANCE FROM THE EDGE OF THE SHOULDER. LOCATIONS OF THE CONDUIT CROSSING SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET THE MINIMUM CLEARANCE REQUIREMENTS. THE PITS MUST BE ADEQUATELY GUARDED TO PROTECT THE MOTORIST. THE CONTRACTOR MUST SUBMIT PLANS FOR THE LOCATION AND SIZE OF THE PITS AND MAINTENANCE AND PROTECTION OF TRAFFIC AT THE SITE FOR THE APPROVAL OF THE ENGINEER.
11. IF THE CONTRACTOR ELECTS TO SUPPLY GENERAL ELECTRIC ROADWAY LUMINAIRES, ALL LUMINAIRES LABELED TYPE M-C-II SHALL BE GENERAL ELECTRIC PHOTOMETRIC FILE NO. 35-177620. ALL LUMINAIRES LABELED TYPE S-C-II SHALL BE GENERAL ELECTRIC PHOTOMETRIC FILE NO. 35-177324 (S-C-II PHOTOMETRICS).

    IF THE CONTRACTOR ELECTS TO SUPPLY HUBBELL ROADWAY LUMINAIRES, ALL LUMINAIRES LABELED TYPE M-C-II SHALL BE HUBBELL PHOTOMETRIC FILE NO. HP-03062. ALL LUMINAIRES LABELED TYPE M-C-III SHALL BE HUBBELL PHOTOMETRIC FILE NO. HP-03065.
12. LUMINAIRES MUST BE INSTALLED ON LIGHT STANDARDS WITHIN A MAXIMUM OF 48 HOURS AFTER LIGHT STANDARD IS ERECTED.
13. WHERE THE PROPOSED UNDERPASS LUMINAIRES ARE TO BE INSTALLED, THE LUMINAIRES AND RELATED WIRING SHALL BE INSTALLED AS SHOWN ON SHEETS RDL-35, RDL-36, RDL-37 AND RDL-38.
14. WHERE THE EXISTING LIGHT POLE IS TO REMAIN, THE EXISTING LUMINAIRE(S) SHALL BE REMOVED AND REPLACED WITH NEW FLAT LENS CUT-OFF TYPE LUMINAIRE(S).
15. WHERE THE EXISTING LIGHT POLE IS TO BE RELOCATED, THE EXISTING LUMINAIRE(S) SHALL BE REMOVED AND REPLACED WITH NEW FLAT LENS CUT-OFF TYPE LUMINAIRE(S).
16. ALL MEDIAN FOUNDATIONS AND MEDIAN CABLE DUCT CASING TO BE INSTALLED IN SEPARATE CONTRACTS AND THEREFORE SHOWN AS EXISTING IN THESE PLANS.
17. WHERE THE PROPOSED SIGN PANELS ARE TO BE INSTALLED, THE PROPOSED SIGN LUMINAIRES SHALL BE INSTALLED AS SHOWN ON SHEETS RDL-39 AND RDL-40.
18. WHERE THE PROPOSED JUNCTION BOXES ARE TO BE INSTALLED, THE EMBEDDED JUNCTION BOXES SHALL BE INSTALLED AS SHOWN ON SHEETS RDL-42, RDL-43 AND RDL-44.

CABLEDUCT SCHEDULE

- (A) 2" CABLE DUCT, 4 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) PULLED IN 4" SCHEDULE 40 PVC DUCT EMBEDDED IN CONCRETE BARRIER
- (B) 4" SCHEDULE 40 PVC DUCT EMBEDDED IN CONCRETE BARRIER
- (C) 2" CABLE DUCT, 4 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) PLOWED IN
- (D) 2" CABLE DUCT, 2 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) PLOWED IN
- (E) 2" CABLE DUCT, 4 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) PULLED IN CASING
- (F) 2" PVC COATED RGS CONDUIT, 3 #2 (5 KV TYPE XLP) AND 1 #2 GROUND (600V TYPE XHHW) INSTALLED IN TRENCH
- (G) 2" CABLE DUCT, 4 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) INSTALLED IN TRENCH
- (H) 2" CABLE DUCT, 2 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) INSTALLED IN TRENCH
- (I) 2" CABLE DUCT, 4 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) PULLED IN 2" SCHEDULE 40 PVC DUCT EMBEDDED IN PARAPET
- (J) 2" CABLE DUCT, 2 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) PULLED IN 2" SCHEDULE 40 PVC DUCT EMBEDDED IN PARAPET
- (K1) 3/4" PVC COATED RGS CONDUIT, 2 #10 AND 1 #10 GROUND (ALL 600V TYPE XHHW) ATTACHED TO STRUCTURE
- (K2) 3/4" LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT, 2 #10 AND 1 #10 GROUND (ALL 600V TYPE XHHW)
- (L) 4" PVC COATED RGS CONDUIT, 4 #2 (5KV TYPE XLP) AND 1 #8 GROUND (600V TYPE XHHW) ATTACHED TO STRUCTURE
- (N2) 1" PVC COATED RGS CONDUIT, 2 #10 AND 1 #10 GROUND (ALL 600V TYPE XHHW) ATTACHED TO STRUCTURE
- (N3) 1" PVC COATED RGS CONDUIT, 4 #10 AND 1 #10 GROUND (ALL 600V TYPE XHHW) ATTACHED TO STRUCTURE
- (N4) 2" PVC COATED RGS CONDUIT, 4 #10 AND 1 #10 GROUND (ALL 600V TYPE XHHW) ATTACHED TO STRUCTURE
- (O) 4" RIGID STEEL CONDUIT W/2" CABLE DUCT, 2 #2 LINE (5 KV TYPE XLP) AND 1 #8 AWG NEUTRAL (600V TYPE XHHW)
- (R) 1" PVC COATED RGS CONDUIT, 2 #4 (600V TYPE XHHW) AND 1#8 (600V TYPE XHHW) IN TRENCH

LIST OF TOLLWAY STANDARD DRAWINGS

SHEET NO. H1	STANDARD RL-03-01
SHEET NO. H2	STANDARD RL-03-02
SHEET NO. H3	STANDARD RL-03-03
SHEET NO. H4	STANDARD RL-03-04
SHEET NO. H5	STANDARD RL-03-05
SHEET NO. H6	STANDARD RL-03-06
SHEET NO. H7	STANDARD RL-03-07
SHEET NO. H9	STANDARD RL-03-09
SHEET NO. H10	STANDARD RL-03-10
SHEET NO. H11	STANDARD RL-03-11
SHEET NO. H12	STANDARD RL-03-12
SHEET NO. H14	STANDARD RL-03-14
SHEET NO. H18	STANDARD SE-03-01
SHEET NO. H19	STANDARD SE-03-02
SHEET NO. H20	STANDARD SE-03-03
SHEET NO. H21	STANDARD SE-03-04
SHEET NO. H22	STANDARD SE-03-05
SHEET NO. H23	STANDARD SE-03-06
SHEET NO. H25	STANDARD SE-03-08

SYMBOLS & LEGEND:

- EXISTING LIGHT POLE TO REMAIN
- RL — EXISTING LIGHT POLE TO BE RELOCATED
- R — SHALL APPLY FOR REMOVAL OF EXISTING EQUIPMENT
- EXISTING OUTDOOR ROADWAY LIGHTING CONSOLE
- R — EXISTING OUTDOOR ROADWAY CONSOLE TO BE REMOVED, SALVAGED AND DELIVERED TO ISTHA
- T — TEMPORARY 750 WATT HPS LUMINAIRE AND WOOD POLE, 90 FT. WITH 15 FT. MAST ARM
- NEW OUTDOOR ROADWAY LIGHTING CONSOLE WITH FOUNDATION
- NEW 400 WATT HPS LUMINAIRE, POLE AND FOUNDATION, SINGLE ARM, GROUND MOUNTED (EXCEPTION: WHEN NOTED IN PLAN, IT COULD ALSO BE A 100 OR A 250 WATT HPS LUMINAIRE, REFER TO NOL'S 12 & 16)
- NEW 400 WATT HPS LUMINAIRE, POLE AND FOUNDATION, DOUBLE ARM, MEDIAN MOUNTED.
- NEW 400 WATT HPS LUMINAIRE, AND POLE, SINGLE ARM, RETAINING WALL OR PARAPET MOUNTED.
- RLD — RELOCATED LIGHT POLE
- NEW 400 WATT HPS FLOODLIGHT LUMINAIRE
- (A) — CABLEDUCT OR CONDUIT TAG, SEE CABLEDUCT SCHEDULE FOR DESCRIPTION
- NEW CABLEDUCT OR CONDUIT IN PUSHED CASING
- RIGID GALVANIZED STEEL CONDUIT, SLEEVE, TRENCHED OR PUSHED
- NEW CABLEDUCT OR CONDUIT
- ----A/C---- AERIAL CABLE
- T — TEMPORARY WOOD POLE
- E — EXISTING JUNCTION BOX
- J — NEW LIGHT DUTY JUNCTION BOX
- A — TYPE "A" JUNCTION BOX
- B — TYPE "B" JUNCTION BOX
- TRANSFORMER

S15-50-C1 / M-C-II:
- S-FOR SINGLE, D-FOR DOUBLE, Q-FOR QUAD ARM MAST, 15 FT. LONG
- NOMINAL HEIGHT, 50 FT.
- CIRCUIT NUMBER
- STA. 1+25 - STATION OF LIGHT STANDARD
- LIGHT DISTRIBUTION TYPE
- CONTROL CATEGORY, C-FOR CUT-OFF, S-FOR SEMI CUT-OFF
- SPACING RANGE, M-FOR MEDIUM, S-FOR SHORT

- EXISTING UNDERPASS LUMINAIRE
- NEW UNDERPASS LUMINAIRE
- EXISTING SIGN LUMINAIRE
- NEW 250 WATT M.V. SIGN LUMINAIRE
- EXISTING OVERHEAD SIGN STRUCTURE
- PROPOSED OVERHEAD SIGN STRUCTURE
- J.B. — JUNCTION BOX
- A.T.S. — ATTACHED TO STRUCTURE
- N.T.S. — NOT TO SCALE
- G.S. — GALVANIZED STEEL
- W.P. — WEATHERPROOF
- R.S.C. — RIGID STEEL CONDUIT
- GRND. — GROUND
- EXISTING CABLEDUCT OR CONDUIT
- WEATHER STATION EQUIPMENT
- POLE MOUNTED TRANSFORMER

RDL-01

DRAWN BY JDM	SCALE NONE
CHECKED BY SM	DATE 2-21-05

KAM ENGINEERING, INC.
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS

NO.	DATE	DESCRIPTION
△	08/03/05	ADDED SYMBOL FOR POLE MOUNTED TRANSFORMER
△	01/16/06	REVISED DESCRIPTION OF CABLE "O"
△	01/17/06	ADDED SYMBOL TO REMOVE EXISTING CONSOLE

CONTRACT NO. RR-04-5198

ROADWAY LIGHTING LEGEND, SYMBOLS AND NOTES

DRAWING NO. 272 OF 601

FOR INFORMATION ONLY

USER NAME = $USER$	DESIGNED MCP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN MLB	REVISED -	
PLOT SCALE = $SCALE$	CHECKED MCP	REVISED -	
PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -	

FILE NAME = $FILEL$

EXISTING LIGHTING PLAN (FOR REFERENCE)

SCALE: AS SHOWN | SHEET NO. 1 OF 9 SHEETS | STA. 4038+00 TO STA. 4044+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	576
LT-21		CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		