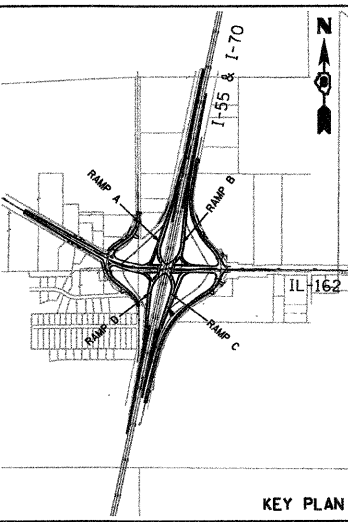


FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
70	60-10 (K-1,HB)	MADISON	420	178
STA.	TO STA.			
CONTRACT NO.: 76709				



LEGEND	PROPOSED	EXISTING
SERVICE INSTALLATION		
GROUND CABLE & GROUNDING CONNECTION		
GROUNDING ROD		
CONDUIT SPLICE		
COMMON TRENCH	CT	
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
JUNCTION BOX		
SPAN TRUSS		
CANTILEVER TRUSS		
LIGHTING CONTROLLER		
WOOD POLE; HEIGHT VARIES		
LIGHT UNIT; (IDOT) 400 WATT HPS, M-C-III LUMINAIRE 50' MOUNTING HEIGHT WITH 12' ARM		
LIGHT UNIT; (VILLAGE OF TROY) 400 WATT HPS, M-C-III LUMINAIRE 50' MOUNTING HEIGHT WITH 12' ARM		
HIGH MAST LIGHT UNIT; (5) 750 WATT HPS LUMINAIRE 100' POLE		
HIGH MAST LIGHT UNIT; (3) 750 WATT HPS LUMINAIRE 110' POLE		
UNDERPASS LIGHT UNIT; 150W HPS		
SIGN LIGHTING LUMINAIRE; 150W HPS		
LIGHT POLE & LUMINAIRE A = LIGHTING CONTROLLER NUMBER B = CIRCUIT DESIGNATION XX = FIXTURE NUMBER		
SIGN S = SIGN X = NUMBER		
GALVANIZED STEEL CONDUIT (GSC) IN TRENCH (T) OR PUSHED (P)		
CABLE DUCT OR UNIT DUCT		
2*4 XLP, 1*4 XLP-G-1.0P		
2*6 XLP, 1*6 XLP-G-1.0P		
2*6 XLP, 1*6 XLP-G-1.0P ATTACHED TO STRUCTURE, 1" DIA.		
2*10 XLP, 1*10 XLP-G-0.75P		
2*10 XLP-USE, 1*10 XLP-G IN CONDUIT, ATTACHED TO STRUCTURE, 1" DIA.		

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.
- LEVELING NUTS SHALL BE INSTALLED FOR PLUMBING THE POLES. ALL POLES SHALL BE ERECTED PLUMB.
- LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE WIRING DIAGRAMS SHOWN IN THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- THE COST OF NUTS AND WASHERS REQUIRED FOR MOUNTING LIGHT POLES ON NEW AND EXISTING CONCRETE FOUNDATIONS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE LIGHT POLES.
- A SURGE PROTECTOR, FUSE BLOCK AND FUSES SHALL BE INSTALLED IN EACH LIGHT POLE AND SHALL BE WIRED AS SHOWN IN THE WIRING SCHEMATICS.
- NEW LIGHT POLE FOUNDATIONS SHALL BE SETBACK FROM THE ROADWAY SO THAT THERE IS 20 FEET BETWEEN THE EDGE OF PAVEMENT AND THE NEAR FACE OF THE ASSOCIATED LIGHT POLE TRANSFORMER BASE.
- ALL LIGHT POLE FOUNDATIONS TO BE CONSTRUCTED BY THIS CONTRACT SHALL BE CONCRETE.
- BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE UTILITY OWNERS SHALL BE CONTACTED AND LOCATION ASSISTANCE REQUESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALUMINUM LIGHT POLES SHALL BE PROVIDED WITH TRANSFORMER BASES.
- ALL LIGHT POLES AND SIGN LUMINARIES SHALL BE FACTORY PAINTED GRAY.
- CONDUITS TO BE MOUNTED ON ALUMINUM AND/OR GALVANIZED STEEL SIGN TRUSSES SHALL BE ALUMINUM.
- ALL LUMINARIES FOR ROADWAY LIGHTING SHALL HAVE M-C-III DISTRIBUTION. BALLASTS SHALL BE MULTI-TAP. *MAG REG AND*
- ABANDON EXISTING UNIT DUCTS AND CABLES IN PLACE, AS SHOWN ON PLANS.
- TRENCH CABLE RUNS SHALL BE IN A STRAIGHT LINE BETWEEN TERMINAL POINTS WHERE FEASIBLE. TO PREVENT EROSION OF EMBANKMENTS INVOLVING HIGH FILLS AND STEEP SIDE SLOPES, THE CONTRACTOR SHALL NOT TRENCH DIRECTLY FROM POLE TO POLE, RATHER, AS DIRECTED BY THE ENGINEER, THE TRENCH SHALL EXTEND FROM THE POLE STRAIGHT DOWN THE SIDE SLOPE, RUN ALONG THE TOE OF THE SLOPE, AND THEN STRAIGHT UP THE SIDE SLOPE TO THE NEXT POLE. THE CONTRACTOR WILL BE COMPENSATED FOR THIS ADDITIONAL UNIT DUCT AT ITS AGREED CONTRACT UNIT PRICE.
- ALL CONDUIT TO BE PUSHED UNDER EXISTING PAVEMENT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 3'-6" TO AVOID CONFLICTS WITH EXISTING OR PROPOSED UNDERDRAIN. THE COST OF INSTALLING THE CONDUIT AT THIS DEPTH SHALL BE INCLUDED IN THE CONDUIT COST.
- THE CONTRACTOR WILL BE PAID TO LOCATE APPLICABLE CABLE RUNS OF THE EXISTING LIGHTING SYSTEM THAT WILL REMAIN IN SERVICE DURING AND UPON THE COMPLETION OF THIS PROJECT (PAY ITEM # 80300100). THE CONTRACTOR SHALL NOT LOCATE ANY CABLE RUNS THAT ARE TO BE ABANDONED UPON THE COMPLETION OF THIS PROJECT. IN THE EVENT THE CONTRACTOR DISRUPTS A CABLE THAT IS TO BE ABANDONED BUT IS CURRENTLY SERVICING AN EXISTING LUMINAIRE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPLICING THE CABLE. IN THIS CASE, SPLICES BELOW GRADE WILL BE PERMITTED.
- ALL NEW UNIT DUCT AND UNDERGROUND CONDUIT SHALL BE PLACED A MINIMUM OF 2'-6" BELOW THE FLOWLINE OF EXISTING DITCHES AND A MINIMUM OF 2'-0" BENEATH THE GROUND SURFACE AT OTHER LOCATIONS.
- UNLESS OTHERWISE NOTED:
A. EXISTING LIGHT POLES REMOVAL SHALL INCLUDE ALL WORK NECESSARY TO REMOVE LIGHT POLE FROM THE FOUNDATION PER APPLICABLE PORTIONS OF SECTION 842 OF THE STANDARD SPECIFICATIONS.
- NEW UNIT DUCT SHALL NOT BE INSTALLED LESS THAN 20 FEET FROM THE EDGE OF PAVEMENT.

ROADWAY LIGHTING INDEX OF SHEETS

LT-01	ROADWAY LIGHTING GENERAL NOTES, LEGENDS, & SHEET INDEX
LT-02	ROADWAY LIGHTING SCHEDULE OF QUANTITIES
LT-03	PROPOSED ROADWAY LIGHTING PLAN - IL-162 STA. 478+00 TO STA. 493+50
LT-04	PROPOSED ROADWAY LIGHTING PLAN - I-162 STA. 493+50 TO STA. 509+00 - I-55/70 STA. 1348+50 TO STA. 1358+50
LT-05	PROPOSED ROADWAY LIGHTING PLAN - IL-162 STA. 509+00 TO STA. 525+00
LT-06	PROPOSED ROADWAY LIGHTING PLAN - I-55/70 STA. 1318+00 TO STA. 1334+00
LT-07	PROPOSED ROADWAY LIGHTING PLAN - I-55/70 STA. 1334+00 TO STA. 1348+50
LT-08	PROPOSED ROADWAY LIGHTING PLAN - I-55/70 STA. 1358+50 TO STA. 1373+00
LT-09	PROPOSED ROADWAY LIGHTING PLAN - I-55/70 STA. 1373+00 TO STA. 1388+00
LT-10	PROPOSED UNDERPASS LIGHTING PLAN, ELEVATION, & NOTES
LT-11	PROPOSED ROADWAY LIGHTING WIRING DIAGRAMS
LT-12	SIGN LIGHTING DETAILS
LT-13	CONTROL INSTALLATION TYPE CB-RCS-60
LT-14	CONTROL INSTALLATION TYPE CB-RCS-100
*LT-15	LIGHT POLE FOUNDATION
LT-16	LIGHT TOWER AND FOUNDATION

*LT-15A POLE HANDHOLE WIRING
LT-16A HIGH MAST LIGHT TOWER

PLAN	DATE	BY
SURVEYED		
DESIGNED		
CHECKED		
IN CHARGE		
DATE		
NO.		

XXXXXXX - IDOT IL 162 over I-55.70 revisions
238-LT-01.dgn
1/28/2009
12:49:38 PM
Robert Swanson

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING
GENERAL NOTES, LEGENDS,
& SHEET INDEX
FAI ROUTE 70
SECTION 60-10K-1, 60-10HB
MADISON COUNTY

DRAWN BY: RPJ
CHECKED BY: A. OSHANA, P.E.

LT-01