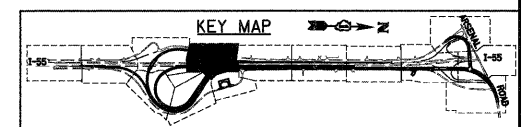
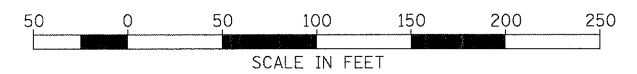
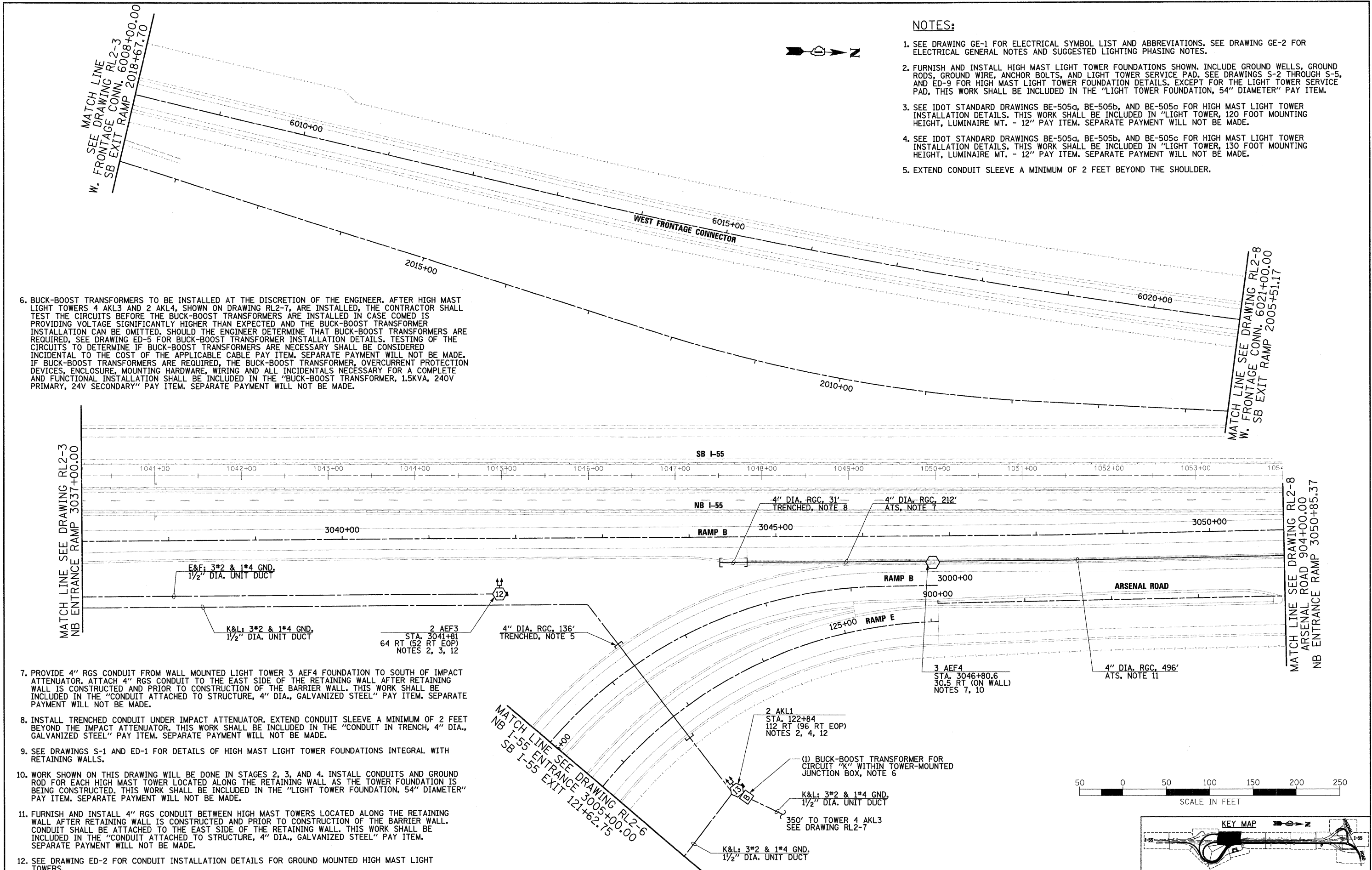


**NOTES:**

1. SEE DRAWING GE-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING GE-2 FOR ELECTRICAL GENERAL NOTES AND SUGGESTED LIGHTING PHASING NOTES.
2. FURNISH AND INSTALL HIGH MAST LIGHT TOWER FOUNDATIONS SHOWN. INCLUDE GROUND WELLS, GROUND RODS, GROUND WIRE, ANCHOR BOLTS, AND LIGHT TOWER SERVICE PAD. SEE DRAWINGS S-2 THROUGH S-5, AND ED-9 FOR HIGH MAST LIGHT TOWER FOUNDATION DETAILS. EXCEPT FOR THE LIGHT TOWER SERVICE PAD, THIS WORK SHALL BE INCLUDED IN THE "LIGHT TOWER FOUNDATION, 54" DIAMETER" PAY ITEM.
3. SEE IDOT STANDARD DRAWINGS BE-505a, BE-505b, AND BE-505c FOR HIGH MAST LIGHT TOWER INSTALLATION DETAILS. THIS WORK SHALL BE INCLUDED IN "LIGHT TOWER, 120 FOOT MOUNTING HEIGHT, LUMINAIRE MT. - 12" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
4. SEE IDOT STANDARD DRAWINGS BE-505a, BE-505b, AND BE-505c FOR HIGH MAST LIGHT TOWER INSTALLATION DETAILS. THIS WORK SHALL BE INCLUDED IN "LIGHT TOWER, 130 FOOT MOUNTING HEIGHT, LUMINAIRE MT. - 12" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
5. EXTEND CONDUIT SLEEVE A MINIMUM OF 2 FEET BEYOND THE SHOULDER.

6. BUCK-BOOST TRANSFORMERS TO BE INSTALLED AT THE DISCRETION OF THE ENGINEER. AFTER HIGH MAST LIGHT TOWERS 4 AKL3 AND 2 AKL4, SHOWN ON DRAWING RL2-7, ARE INSTALLED, THE CONTRACTOR SHALL TEST THE CIRCUITS BEFORE THE BUCK-BOOST TRANSFORMERS ARE INSTALLED IN CASE COMED IS PROVIDING VOLTAGE SIGNIFICANTLY HIGHER THAN EXPECTED AND THE BUCK-BOOST TRANSFORMER INSTALLATION CAN BE OMITTED. SHOULD THE ENGINEER DETERMINE THAT BUCK-BOOST TRANSFORMERS ARE REQUIRED, SEE DRAWING ED-5 FOR BUCK-BOOST TRANSFORMER INSTALLATION DETAILS. TESTING OF THE CIRCUITS TO DETERMINE IF BUCK-BOOST TRANSFORMERS ARE NECESSARY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE APPLICABLE CABLE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE. IF BUCK-BOOST TRANSFORMERS ARE REQUIRED, THE BUCK-BOOST TRANSFORMER, OVERCURRENT PROTECTION DEVICES, ENCLOSURE, MOUNTING HARDWARE, WIRING AND ALL INCIDENTALS NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION SHALL BE INCLUDED IN THE "BUCK-BOOST TRANSFORMER, 1.5KVA, 240V PRIMARY, 24V SECONDARY" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.

7. PROVIDE 4" RGS CONDUIT FROM WALL MOUNTED LIGHT TOWER 3 AEF4 FOUNDATION TO SOUTH OF IMPACT ATTENUATOR. ATTACH 4" RGS CONDUIT TO THE EAST SIDE OF THE RETAINING WALL AFTER RETAINING WALL IS CONSTRUCTED AND PRIOR TO CONSTRUCTION OF THE BARRIER WALL. THIS WORK SHALL BE INCLUDED IN THE "CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
8. INSTALL TRENCHED CONDUIT UNDER IMPACT ATTENUATOR. EXTEND CONDUIT SLEEVE A MINIMUM OF 2 FEET BEYOND THE IMPACT ATTENUATOR. THIS WORK SHALL BE INCLUDED IN THE "CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
9. SEE DRAWINGS S-1 AND ED-1 FOR DETAILS OF HIGH MAST LIGHT TOWER FOUNDATIONS INTEGRAL WITH RETAINING WALLS.
10. WORK SHOWN ON THIS DRAWING WILL BE DONE IN STAGES 2, 3, AND 4. INSTALL CONDUITS AND GROUND ROD FOR EACH HIGH MAST TOWER LOCATED ALONG THE RETAINING WALL AS THE TOWER FOUNDATION IS BEING CONSTRUCTED. THIS WORK SHALL BE INCLUDED IN THE "LIGHT TOWER FOUNDATION, 54" DIAMETER" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
11. FURNISH AND INSTALL 4" RGS CONDUIT BETWEEN HIGH MAST TOWERS LOCATED ALONG THE RETAINING WALL AFTER RETAINING WALL IS CONSTRUCTED AND PRIOR TO CONSTRUCTION OF THE BARRIER WALL. CONDUIT SHALL BE ATTACHED TO THE EAST SIDE OF THE RETAINING WALL. THIS WORK SHALL BE INCLUDED IN THE "CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
12. SEE DRAWING ED-2 FOR CONDUIT INSTALLATION DETAILS FOR GROUND MOUNTED HIGH MAST LIGHT TOWERS.



FILE NAME = D:\168\F12-SHT-RL2-5.dgn	USER NAME = TKluegel	DESIGNED - JLW	REVISED -
PLOT SCALE = 1:50	CHECKED - KMY	DRAWN - CJM	REVISED -
PLOT DATE = 2/3/2011	DATE - 2/4/11		REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT ARSENAL ROAD  
PROPOSED ROADWAY LIGHTING PLAN-STAGE 2**

SCALE: 1" = 50'    SHEET NO. 5 OF 12 SHEETS    STA. TO STA.

F.A.I. RTE. 55	SECTION 99-2HB-2B-1	COUNTY WILL	TOTAL SHEETS 756	SHEET NO. 363
CONTRACT NO. 60F12				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				