

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-15-1, 60-15HB-1	MADISON	238	97
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76635				

ELECTRICAL GENERAL NOTES















1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS
2. BACKPLATES SHALL BE ABS PLASTIC
3. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
4. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 3.0 m FROM THE EDGE OF PAVEMENT OR 610 mm FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 1.5 m FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
5. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
6. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(c)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
7. LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
8. AN UNDERGROUND "CABLE MARKING TAPE" SHALL BE INSTALLED WITH ALL TRENCH & BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH THE ARTICLES 819.05 & 1066.05 OF THE STANDARD SPECIFICATIONS
9. PEDESTRIAN PUSHBUTTON SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 888 OF THE STANDARD SPECIFICATIONS EXCEPT AS FOLLOWS:
ARTICLE 888.03 SHALL BE REVISED TO READ AS FOLLOWS:
THE PEDESTRIAN PUSH BUTTONS SHALL BE MOUNTED APPROXIMATELY 760 mm (30 in) ABOVE THE HANDICAPPED RAMP LEVEL.
10. THE PUSHBUTTON SIGN SHALL BE A R10-4b, 229 mm X 254 mm.
11. ESTIMATED DEPTHS OF THE CONCRETE FOUNDATIONS FOR THE MAST ARM SUPPORT POLES ARE AS FOLLOWS:

RAMPS A & D	RAMPS B & C
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NE CORNER: 2.7 m DEEP	NE CORNER: 4.6 m DEEP
SW CORNER: 4.6 m DEEP	SW CORNER: 3.7 m DEEP

FINAL DEPTHS WILL BE DETERMINED BY THE DEPARTMENT FROM THE SOIL BORING DATA.

TRAFFIC SIGNALS LEGEND

-  PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
-  PROPOSED HANDHOLE
-  PROPOSED DOUBLE HANDHOLE
-  PROPOSED HEAVY DUTY HANDHOLE
-  PROPOSED CONTROLLER
-  PROPOSED PEDESTRIAN PUSHBUTTON DETECTOR
-  PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED
-  PROPOSED STREET NAME SIGN/TRAFFIC SIGN
-  PROPOSED SERVICE INSTALLATION
-  PROPOSED SIGNAL POST
-  PROPOSED SIGNAL POST WITH BACKPLATE
-  PROPOSED GULFBOX JUNCTION
-  PROPOSED VIDEO CAMERA
-  PROPOSED SIGNAL HEAD, PEDESTRIAN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ELECTRICAL NOTES & LEGEND
FAP 310 (IL 255)
SECTIONS 60-15-1, 60-15HB-1
MADISON COUNTY

DRAWN BY
CHECKED BY

DATE