

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

**THOUVENOT, WADE & MOERCHEN, INC.**  
ENGINEERS ♦ SURVEYORS ♦ PLANNERS

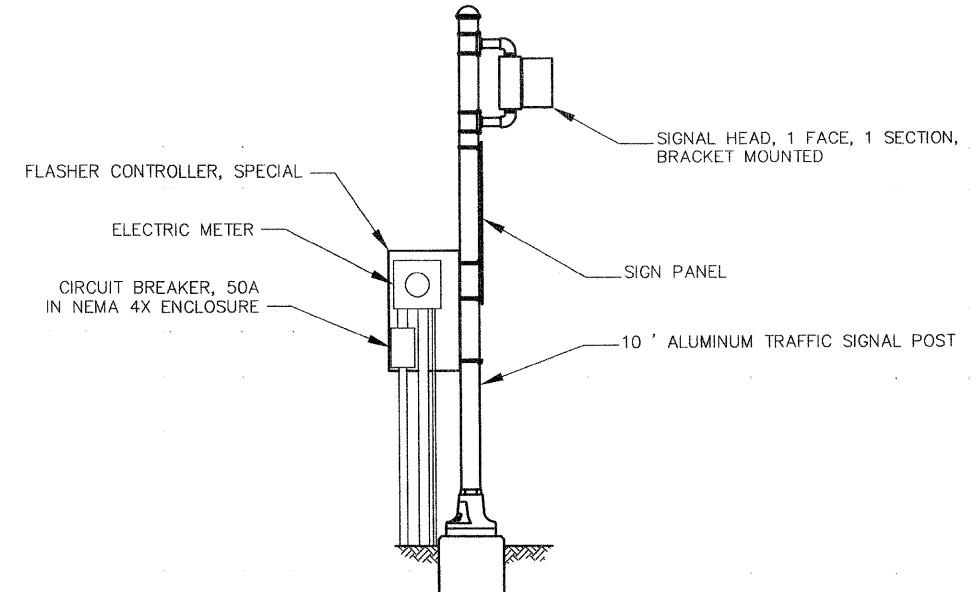
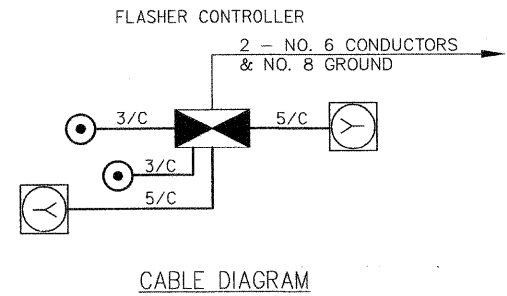


- CORPORATE OFFICE**  
4940 OLD COLLINSVILLE RD.  
SWANSEA, ILLINOIS 62226  
TEL (618) 624-4488  
FAX (618) 624-6688  
corp@twm-inc.com
- EDWARDSVILLE OFFICE**  
1015B CENTURY DRIVE  
EDWARDSVILLE, ILLINOIS 62025  
TEL (618) 656-4040  
FAX (618) 656-4343  
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**  
1001 CRAIG ROAD, SUITE 260  
ST. LOUIS, MISSOURI 63146  
TEL (314) 236-5052  
FAX (314) 872-2194  
stlouis@twm-inc.com
- WATERLOO OFFICE**  
113 SOUTH MAIN STREET  
WATERLOO, ILLINOIS 62298  
TEL (618) 939-5050  
FAX (618) 939-3938  
waterloo@twm-inc.com

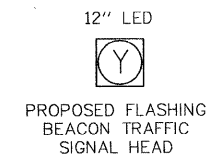
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: \_\_\_\_\_  
Signature Date: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_

**STATEMENT OF RESPONSIBILITY**  
I hereby confirm that the document herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.



- LEGEND**
- PROPOSED FLASHING BEACON ON 10' POST (SEE DETAIL)
  - PROPOSED FLASHER CONTROLLER, SPECIAL (SEE DETAIL)
  - PROPOSED PEDESTRIAN PUSHBUTTON POST
  - PROPOSED HANDHOLE
  - PROPOSED PVC CONDUIT IN TRENCH "T" OR PUSHED "P", SIZE SPECIFIED

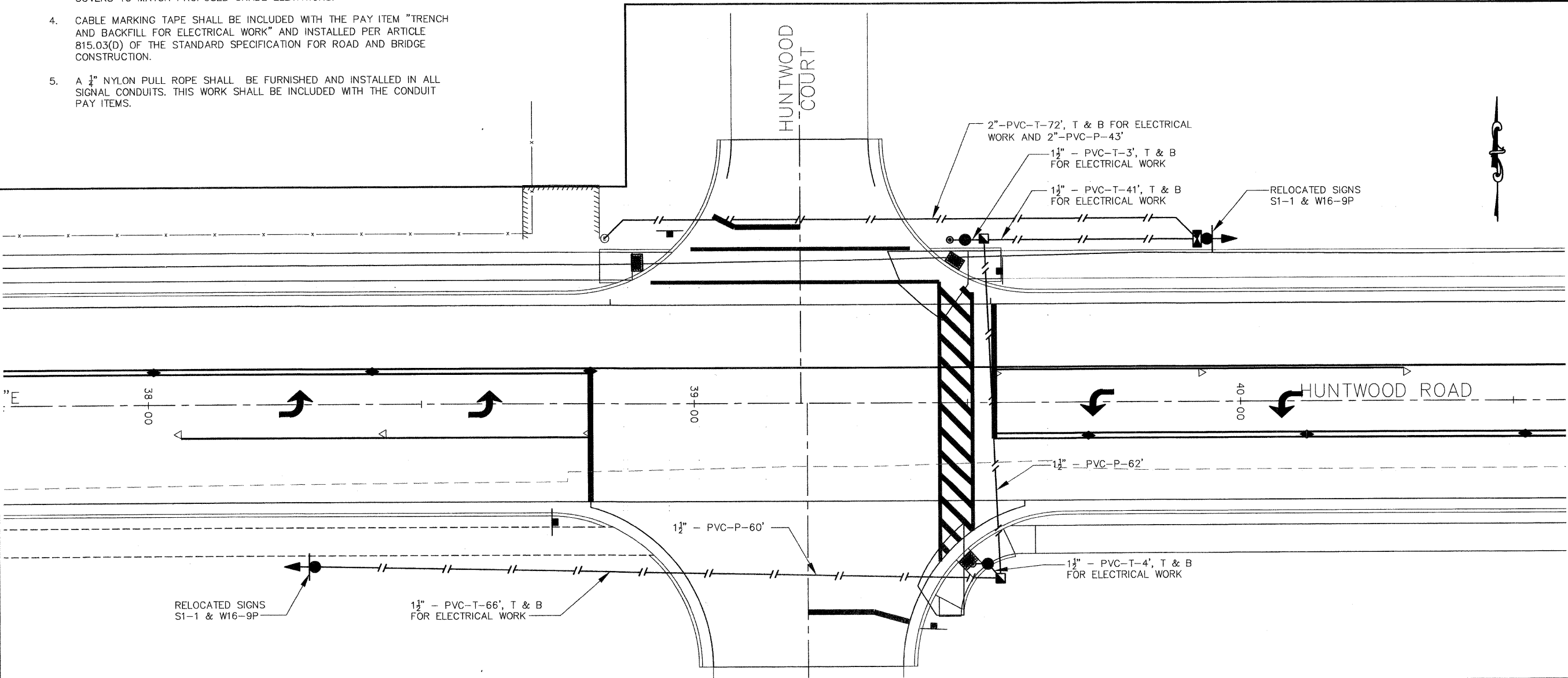


**STANDARDS**

880006
876001
878001
873001

- ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS, AND BASES 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.
- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
- ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(B)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(D) OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
- A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS. THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEMS.

**POST MOUNTED FLASHING BEACON WITH FLASHER CONTROLLER SPECIAL DETAIL**



**TITLE:**  
FLASHING BEACONS  
MIDDLE SCHOOL CROSSWALK  
PLAN AND DETAILS

**PROJECT:**  
HUNTHOOD ROAD RECONSTRUCTION  
VILLAGE OF SWANSEA  
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	<b>58</b>
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING