



CONSTRUCTION DETAILS

- A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground electrical (MD-SHA Type B-13) service.
- B. Install 27 ft. steel twin mast arm pole with a 50 ft. and a 60 ft. mast arms, vehicle signal heads, signs, video camera, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
- C. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, signs, video cameras, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
- D. Install 27 ft. steel mast arm pole with a 38 ft. mast arm, vehicle signal heads and signs (Note: one 3 in. PVC conduit bend).
- E. Install handhole.
- F. Installed as part of Pavement Marking Plan.
- G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- L. Install non-invasive probe (set of 3).
- M. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored under roadway.
- N. Install ground mounted sign as shown.
- O. Install 24 in. wide pavement marking - white for stop line.
- P. Proposed underground electrical service by SMECO.
- Q. Remove existing sign after installation of proposed traffic signal.
- R. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit for phone drop.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Signal Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the County's project or are to be considered as existing.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND	
	EXISTING GEOMETRICS
	PROPOSED GEOMETRICS

UTILITY LEGEND	
	GAS MAIN
	WATER MAIN
	SEWER MAIN
	ELECTRIC CABLES
	STORM DRAIN
	AERIAL CABLES
	TELEPHONE CABLES

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REVISIONS	APPROVALS
	 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	 DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
MD 228 at Rel. Middletown Rd./Ironwood Dr.

DRAWN BY: F. Hoeckel	F.A.P. NO. N/A	TS NO. 3786	SHEET NO. 1 OF 5
CHECKED BY:	S.H.A. NO. BW996M82	T.I.M.S. NO. C-588	
SCALE: 1" = 20'	COUNTY: Charles		
DATE: November 27, 2001	LOG MILE: 08228007.57		

1/2000/2000-1022/04a/SignalPlan.dgn 11/29/2001