

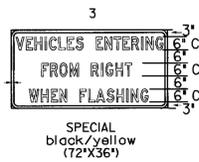
NOTE: MD 179 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

PROJECT DESCRIPTION

The contact persons for District #5 are as follows:

- Ms. Kim Tran, Assistant District Engineer - Traffic
Mr. Charles George, Assistant District Engineer - Maintenance
Mr. John Mays, Assistant District Engineer - Utility
Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division
Mr. Bob Snyder, Asst. Chief, Traffic Operations Division
Mr. Ed Rodenhizer, Team Leader Signal Operations Division

PROPOSED SIGN



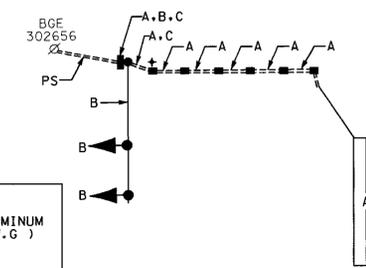
PROPOSED SIGNALS



PHASING

Table with 3 columns: Phasing (1, 2), Normal Operation (DARK, DARK), Warning Operation (FL/Y, FL/Y).

WIRING DIAGRAM



WIRING KEY
A) 2-CONDUCTOR ELECTRICAL ALUMINUM SHIELDED CABLE (NO. 14 A.W.G.)
B) 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
PS- PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE
+ - GROUND ROD

I. GENERAL

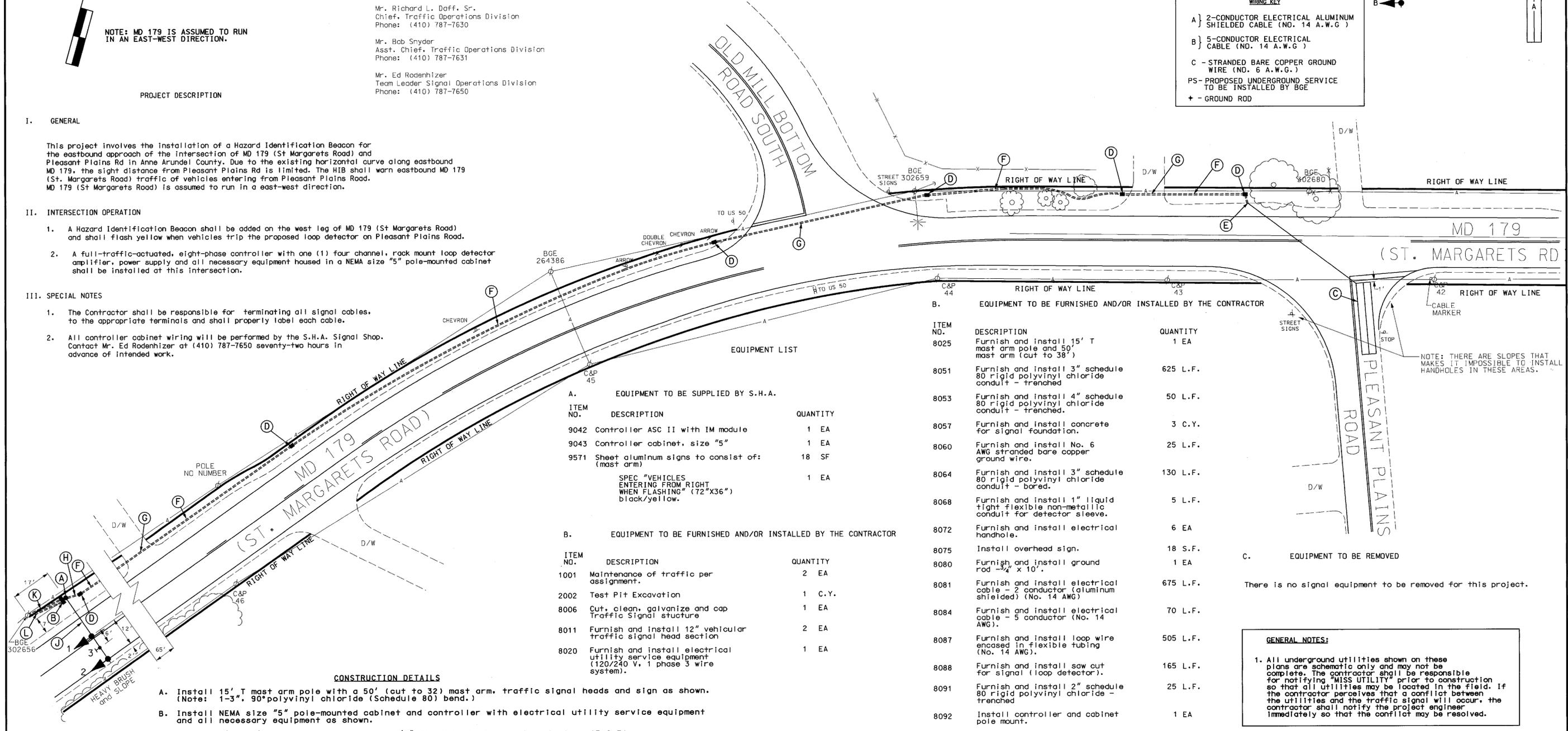
This project involves the installation of a Hazard Identification Beacon for the eastbound approach of the intersection of MD 179 (St Margarets Road) and Pleasant Plains Rd in Anne Arundel County.

II. INTERSECTION OPERATION

- 1. A Hazard Identification Beacon shall be added on the west leg of MD 179 (St Margarets Road) and shall flash yellow when vehicles trip the proposed loop detector on Pleasant Plains Road.
2. A full-traffic-actuated, eight-phase controller with one (1) four channel, rack mount loop detector amplifier, power supply and all necessary equipment housed in a NEMA size "5" pole-mounted cabinet shall be installed at this intersection.

III. SPECIAL NOTES

- 1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.



EQUIPMENT LIST

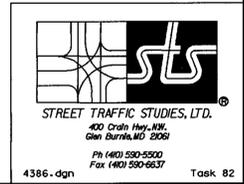
Equipment list table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items for equipment to be supplied by S.H.A. and equipment to be furnished/installed by the contractor.

CONSTRUCTION DETAILS

- A. Install 15' T mast arm pole with a 50' (cut to 32) mast arm, traffic signal heads and sign as shown.
B. Install NEMA size "5" pole-mounted cabinet and controller with electrical utility service equipment and all necessary equipment as shown.
C. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
D. Install handhole.
E. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve) and loop wire (No 14 AWG).
F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) and 2 conductor aluminium shielded cable.
G. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored) and 2 conductor aluminium shielded cable.
H. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched), 2 conductor aluminium shielded cable and copper ground wire (No 6 AWG)
J. Install 5 conductor cable (No 14 AWG) for traffic signal heads.
K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) for electrical service by BGE. (Note: The contractor shall install a 4" conduit bend at the bottom of BGE pole 302656.)
L. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched) for phone drop.

Geometric Legend and Legend of Underground and Overhead Utilities tables.

GENERAL NOTES:
1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" 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 will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.



Revisions and Approvals table with columns for date, description, and signatures.

Maryland DOT - State Highway Administration Office of Traffic & Safety Traffic Engineering Design Division MD 179 AND PLEASANT PLAINS ROAD. Includes drawing, checked, and date information.