

PROJECT DESCRIPTION

I. GENERAL

This project involves the reconstruction of an existing Traffic Control Signal at the intersection of MD 185 (Connecticut Ave) and Denfeld Ave in Montgomery County. The existing strain pole signal shall be replaced with a new mast arm Traffic Signal with street lighting and interconnect cable. Additionally Hazard Identification Beacons shall be installed approximately 500' in advance of the intersection on both legs of MD 185 (Connecticut Ave). MD 185 (Connecticut Ave) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA six-phase, semi-actuated mode, with the MD 185 (Connecticut Ave) approaches run concurrently. The Exclusive/Permissive left turn phases for both approaches of the MD 185 (Connecticut Ave) shall remain in operation. The pedestrian phase across the north leg of MD 185 (Connecticut Ave) shall now be Countdown pedestrian phase with audible pushbutton actuation. Countdown pedestrian phases with audible pushbuttons across both legs of Denfeld Avenue shall be on recall. The Denfeld Ave approaches shall also continue to run concurrently.
2. A full-traffic-actuated, eight-phase controller with video interface, L.A.U. and L.A.U. Panel, UPS battery backup system and all necessary equipment housed in a Type "S" base-mounted cabinet shall be installed at this intersection.
3. Montgomery County Signal Shop shall install APS control unit into controller cabinet. The APS push buttons should be delivered to Bob Ricketts at the Montgomery County Traffic for programming at least two weeks prior to the beginning of work.

III. SPECIAL NOTES

- 1. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
2. Disconnecting, removal / pull back and splicing of existing overhead interconnect cable shall be performed by Montgomery County Forces. The contractor shall run the interconnect cable into the base of each cabinet and properly tag the cable. All controller cabinet wiring will be performed by Montgomery County Forces. Contact Kamal Hamud at (240) 777-8761 seventy-two hours in advance of intended work.
3. All underground and overhead 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.

The contacts for Montgomery County and SHA are as follows:

- Mr. Cedric Ward, Assistant District Engineer - Traffic, Phone: (301) 513-7409
Mr. Sonny Bailey, Manager, Sign Shop Operations, 410-787-7670
Mr. Vernon Stinnett, Assistant District Engineer - Maintenance, Phone: (301) 513-7304
Mr. Kamal Hamud, Mont. County TMC Center, 240-777-8761
Mr. Victor Grafton, Assistant District Engineer - Utility, Phone: (301) 513-7350
The power company representative is:
Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630
Mr. Paul Wilson, PEPCO Customer Design, 201 W Guide Dr., Rockville, MD 20850, Phone: 301 548-4332
Mr. Bob Ricketts, Signal Shop (Mont Co.), 301-279-1291

EQUIPMENT LIST

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Cabinet "S" Type with controller, LAU Panel, Pelco Type Flasher Cabinet, Video detection interface, Sheet aluminum signs, etc.

EQUIPMENT LIST (cont.)

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like "END SCHOOL ZONE" sign, Pedestrian education signs, "Denfeld AVE" sign, "LEFT TURN ONLY" sign, etc.

B. EQUIPMENT TO BE FURNISHED AND / OR INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Maintenance of traffic per assignment, Class 2 Excavation, Test Pit Excavation, Removal of existing permanent pavement line markings, etc.

EQUIPMENT LIST (cont.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Electrical cable, Schedule 80 rigid PVC conduit, Wood sign supports, Install overhead or ground mounted sign, etc.

C. EQUIPMENT TO BE REMOVED

Montgomery County Forces shall remove the controller and all auxiliary equipment from the controller cabinet. The cabinet and all other removed signal materials are to become property of the contractor.

TOD NO: XX655-16
SHA NO: MO97285B
MD 185 @ Denfeld Avenue

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 185 (CONNECTICUT AVE) AND DENFELD AVE
KENSINGTON, MARYLAND

GENERAL INFORMATION SHEET

Table with project details: SCALE NONE, DATE 12/12/11, CONTRACT NO. XX655185, DESIGNED BY R.R.Z., COUNTY MONTGOMERY, etc.

STREET TRAFFIC STUDIES, LTD. logo and contact information: 400 Crain Hwy., N.W., Glen Burnie, MD 21061, Ph (410) 590-5500, Fax (410) 590-6837