

DRILL HOLES

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BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with street lighting and interconnect at the intersection of MD 117 (West Diamond Ave) and Bureau Dr / National Institute of Standards & Technology (NIST) Entrance in Montgomery County.

II. INTERSECTION OPERATION

- 1. The intersection is to continue operate in a NEMA six-phase, semi-actuated mode, with the MD 117 (West Diamond Ave) approaches running concurrently. The Exclusive/Permissive left turn phases for both approaches of MD 117 (West Diamond Ave) shall remain in operation.

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 Montgomery County Forces. Contact Kamal Hamud at (240) 777-8761 seventy-two hours in advance of intended work.

The contacts for Montgomery County and SHA are as follows:

- Ms. Anyesha Mookherjee, Assistant District Engineer - Traffic, Phone: (301) 513-7318
- Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630
- Mr. Vernon Stinnett, Assistant District Engineer - Maintenance, Phone: (301) 513-7304
- Mr. Mike Kinney, Signal Shop (Mont Co.), 240-777-8760
- Mr. Victor Grafton, Assistant District Engineer - Utility, Phone: (301) 513-7350
- Mr. Sonny Bailey, Manager, Sign Shop Operations, 410-787-7670
- Mr. Bob Ricketts, Mont. County Traffic, 240-876-3681
- Mr. Kamal Hamud, Mont. County TMC Center, 240-777-8761

EQUIPMENT LIST

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Sheet aluminum signs, Pedestrian education signs, etc.

EQUIPMENT LIST (CONT.)

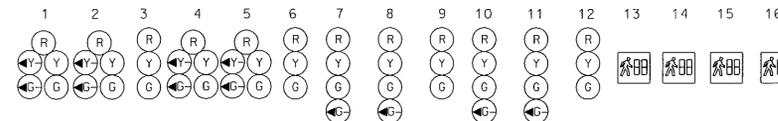
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

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

C. EQUIPMENT TO BE REMOVED

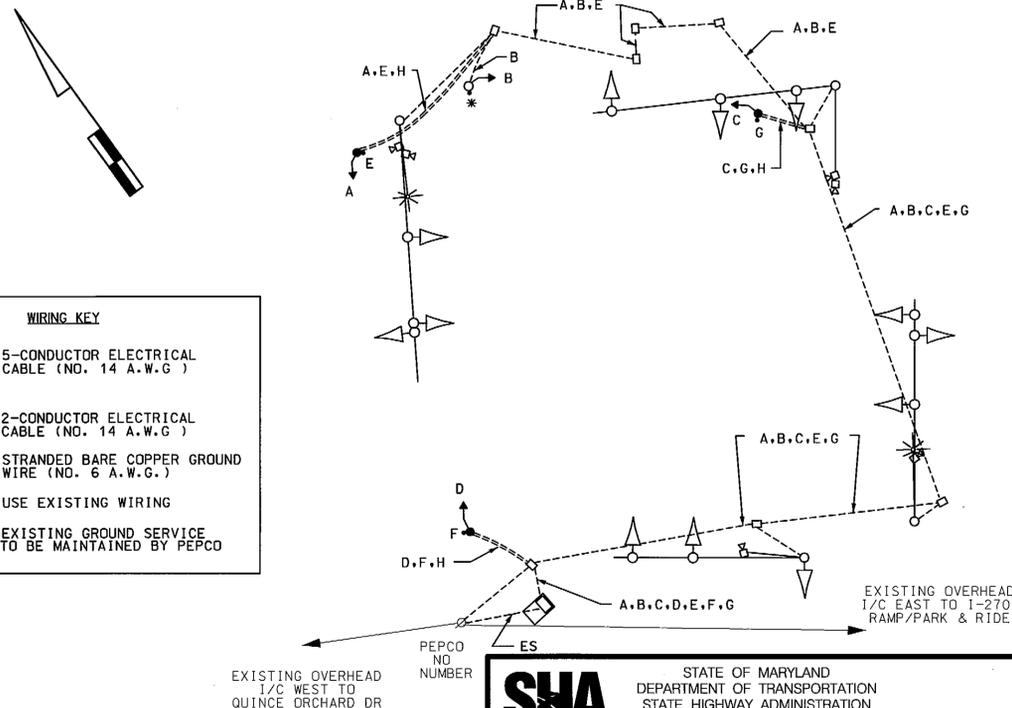
All removed signal materials are to become property of the contractor.

PHASE CHART

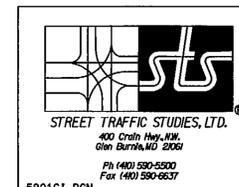


Phase chart table with columns for PHASE 1 & 5, PHASE 1 & 6, PHASE 2 & 5, PHASE 2 & 6, PHASE 3, PHASE 4, PHASE 3 ALT, FLASHING OPERATION. Rows include CHANGES TO PHASES, PED CLEAR / COUNTDOWN, and various phase changes.

WIRING DIAGRAM



TOD NO: XX357-15  
SHA NO: M0255A56/K56  
MD 117 @ Bureau Drive



SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION  
MD 117 (WEST DIAMOND AVE) AND BUREAU DRIVE / NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY ENTRANCE GAITHERSBURG, MARYLAND

GENERAL INFORMATION SHEET table with fields for SCALE, DATE, CONTRACT NO., DESIGNED BY, DRAWN BY, CHECKED BY, F.A.P. NO., TS NO., DRAWING NO., SHEET NO., OF.