

DRILL HOLES

BORDER REV. DATE: June 1, 2004

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with at the intersection of MD 223 (Piscataway Rd) and Temple Hill Rd in Prince George's County. Video detection shall be installed at this location. MD 223 (Piscataway Rd) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA four-phase, semi-actuated mode, with the MD 223 (Piscataway Rd) approaches running concurrently. The Exclusive/Permissive left turn phase shall continue to be provided for the eastbound approach of MD 223 (Piscataway Rd). The Temple Hill Rd approach shall also continue to run alone.
2. The existing pole mounted cabinet shall be replaced with a new full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "5" pole-mounted cabinet at this intersection. SHA Forces shall install video interface into the cabinet.

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) 787-7652 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 contact persons for District #3 (Prince George's County) and SHA are as follows:

Ms. Felecia Murphy
Assistant District Engineer - Traffic
Phone: (301) 513-7424

Mr. Vernon Stinnett
District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Victor Grafton
Assistant District Engineer - Utility
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Manager, Signal Operations Section
410-787-7652

EQUIPMENT LIST

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

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items 9044 (Controller cabinet) and 9086 (Video detection interface equipment).

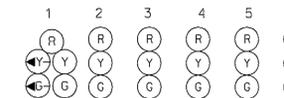
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items 1002 (Maintenance of traffic per assignment), 8007 (Remove and dispose of equipment), 8008 (Video detection camera & cable), and 8022 (Install controller and cabinet).

C. EQUIPMENT TO BE REMOVED

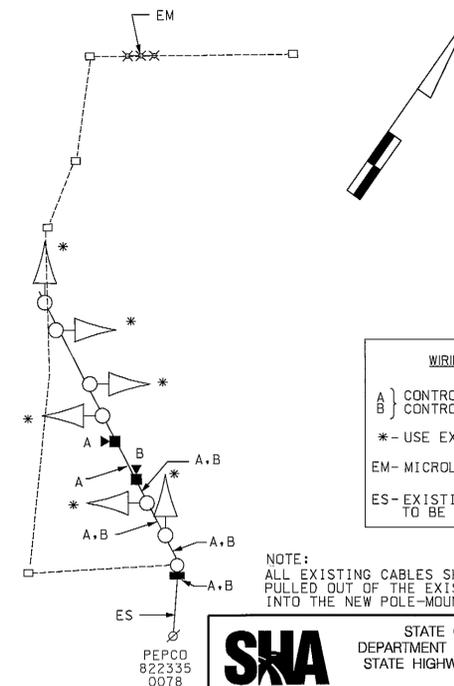
All removed signal materials are to become property of the contractor.

PHASE CHART



Phase chart table with columns for phases 1 & 6, 2 & 6, 4, and FLASHING OPERATION, and rows for traffic light colors (G, Y, R) and directions (L, R, T).

WIRING DIAGRAM



WIRING KEY
A } CONTROL CABLE (CAMERA TO
B } CONTROLLER) UP TO 500'
*- USE EXISTING WIRING
EM- MICROLOOP LEAD-IN CABLE
ES- EXISTING OVERHEAD ELECTRICAL SERVICE TO BE MAINTAINED BY PEPCO

NOTE: ALL EXISTING CABLES SHALL BE DISCONNECTED AND PULLED OUT OF THE EXISTING CABINET AND REROUTED INTO THE NEW POLE-MOUNTED CABINET.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
MD 223 (PISCATAWAY RD)
AND TEMPLE HILL RD
BELTSVILLE, MARYLAND

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

