

BORDER REV. DATE: June 1, 2004

DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with street lighting at the intersection of MD 8 (Romancoke Rd) and Bay City Rd in Queen Anne's County. Eastbound left turn phasing and westbound right turn phasing shall be added to this intersection. MD 8 (Romancoke Rd) is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- 1. The intersection shall operate in a NEMA six-phase, fully-actuated mode, with the MD 8 (Romancoke Rd) approaches running concurrently. The existing Exclusive/Permissive left turn phase shall remain for the southbound approach of MD 8 (Romancoke Rd). An Exclusive/Permissive lead left turn phase shall be added for the eastbound Bay City Road approach. A new concurrent right turn phase shall be installed for the westbound approach of Bay City Road and will operate with the southbound MD 8 (Romancoke Rd.) left turn phase. The existing Pre-emption phases for northbound and southbound MD 8 (Romancoke Rd) shall remain. The Bay City approaches shall continue to run concurrently.
2. The existing full-traffic-actuated, eight-phase controller with video interface, and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized 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) 787-7652 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 #2 and SHA are as follows:

- Mr. Jeff Wentz, Assistant District Engineer - Traffic, Phone: (410) 810-3240
Mr. Mike Lewis, Assistant District Engineer - Maintenance, Phone: (410) 810-3250
Mr. Barry Clothier, Assistant District Engineer - Utility, Phone: (410) 810-3275
Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630
Mr. Ed Rodenhizer, Manager, Signal Operations Section, 410-787-7652
Mr. Sonny Bailey, Manager, Sign Shop Operations, 410-787-7676

EQUIPMENT LIST

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Row 1: Equipment to be supplied by S.H.A. Row 2: There is no equipment to be supplied by the SHA.

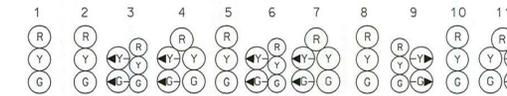
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Rows include: 1001 Maintenance of traffic per assignment (1 EA), 5001 Remove of existing permanent pavement marking symbol or legend (1 EA), 8001 12" LED signal head section (14 EA), 8004 8" LED signal head section (6 EA), 8023 Remove and dispose of equipment per assignment (1 EA), 8056 Electrical cable - 7 conductor (No. 14 AWG) (722 L.F.).

C. EQUIPMENT TO BE REMOVED

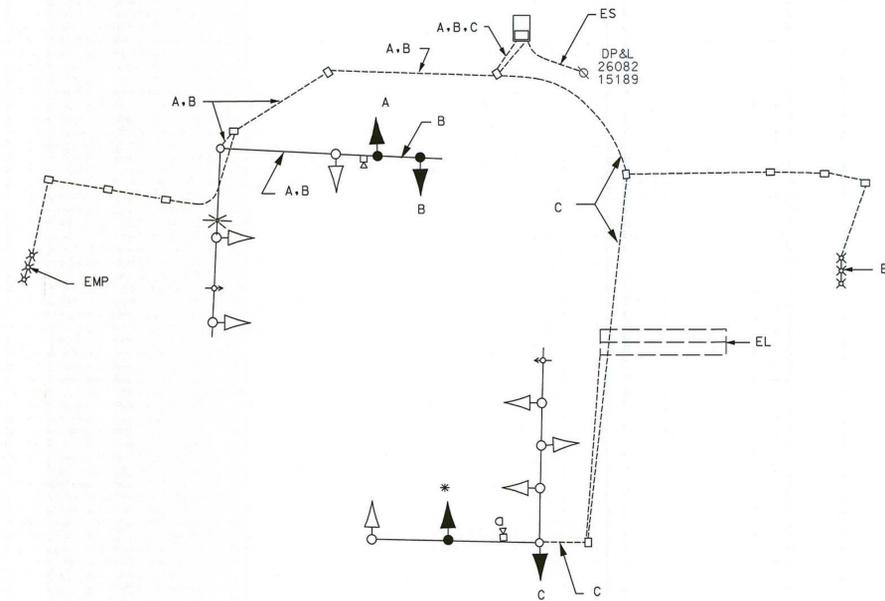
All removed signal materials are to become property of the contractor.

PHASE CHART



Phase chart table with columns for phases 1-11 and rows for various signal changes and operations like PHASE 2 & 5, PHASE 2 & 6, PHASE 4 & 7, PHASE 4 & 8, PRE EMPT 1 & 2, PRE EMPT 1 & 2 CHANGE, PRE EMPT 2, PRE EMPT 2 CHANGE, and FLASHING OPERATION.

WIRING DIAGRAM



WIRING KEY: 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), * - USE EXISTING CABLE, EMP - MICROLOOP LEAD-IN CABLE, EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING, ES - EXISTING UNDERGROUND ELECTRICAL SERVICE BY DP&L TO REMAIN

Redline Revision Dated January 12, 2012. SNA MDOT-SHA O.O.T.S. S.H.A. Approval Date 1/12/2012. T.S. # 4139C T.I.M.S. # L060

STREET TRAFFIC STUDIES, LTD. 400 Crain Hwy, N.W. Glen Burnie, MD 21061. Ph (410) 590-5500 Fax (410) 590-6637

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION. MD 8 (ROMANCOKE RD) AND BAY CITY ROAD STEVENSVILLE, MARYLAND. GENERAL INFORMATION SHEET. SCALE NONE DATE 10/24/11 CONTRACT NO. XX6615185. DESIGNED BY R.R.Z. COUNTY QUEEN ANNE'S. DRAWN BY R.C. LOGMILE 17008006.80. CHECKED BY F.A.P. NO. TIMS NO. L060. TOD NO. TS NO. 4139C DRAWING NO. 2 OF 2 SHEET NO. OF