

DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with video detection at the intersection of MD 450 (Defense Hwy) and Crownsville Rd / South Haven Rd in Anne Arundel County. The permissive left turn phases for both approaches of MD 450 (Defense Hwy) shall now be Exclusive/Permissive left turn phases. Also, video detection shall be installed for both approaches of MD 450 (Defense Hwy). MD 450 (Defense Hwy) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection is to operate in a NEMA six-phase, fully-actuated mode, with the MD 450 (Defense Hwy) approaches continuing to run concurrently. Exclusive/Permissive left turn phases shall now be provided for both approaches of MD 450 (Defense Hwy). The Crownsville Rd / South Haven Rd 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 #5 are as follows:

Ms. Kim Tran, Assistant District Engineer - Traffic, Phone: (410) 841-1819
Mr. Ed Rodenhizer, Manager, Signal Operations Section, 410-787-7652
Mr. John Mays, Assistant District Engineer - Maintenance, Phone: (410) 841-1013
Mr. Sonny Bailey, Manager, Sign Operations Section, 410-787-7676
Mr. Joe Hartz, Assistant District Engineer - Utility, Phone: (410) 841-1005
Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630

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

There is no equipment to be supplied by the SHA.

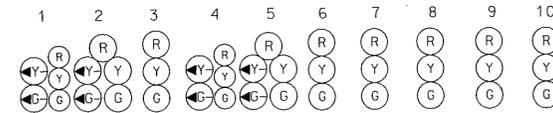
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Maintenance of traffic per assignment, LED signal head sections, and electrical cable.

C. EQUIPMENT TO BE REMOVED

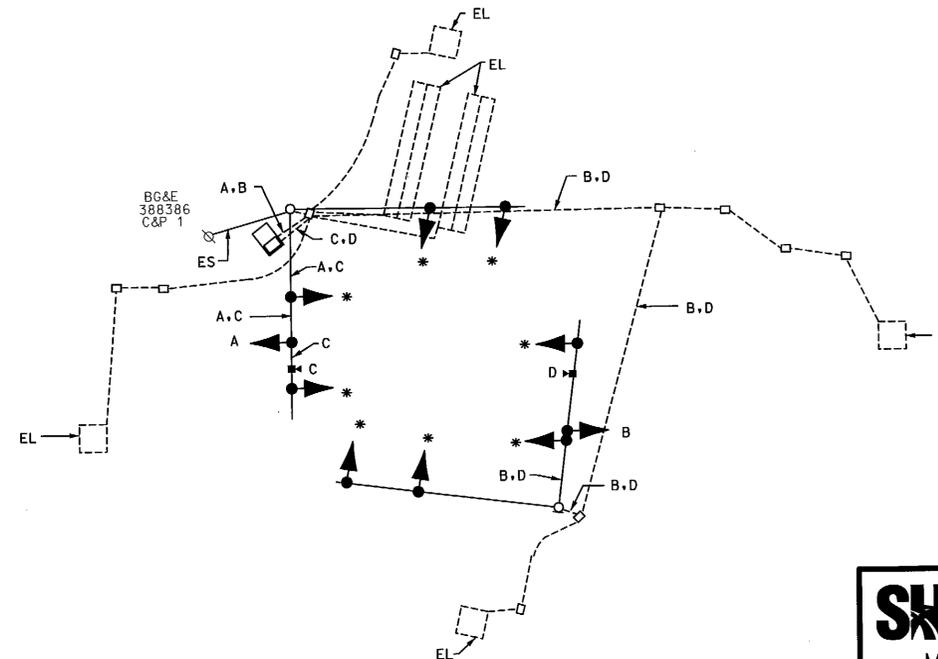
All removed signal materials are to become property of the contractor.

PHASE CHART



Phase chart table with columns for phases 1-10 and rows for various phase combinations (e.g., PHASE 1 & 5, PHASE 1 & 6, etc.) and flashing operation.

WIRING DIAGRAM



TOD No: XX448-48
SHA No: AA254A55/B55
MD 450 @ Crownsville Rd/South Haven Rd

WIRING KEY
A) 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B) CABLE (NO. 14 A.W.G.)
C) CONTROL CABLE (CAMERA, TO CONTROLLER) UP TO 500'
EL- LOOP WIRE (NO. 14 A.W.G.) EXISTING
\* - USE EXISTING WIRING
ES- EXISTING OVERHEAD SERVICE TO BE MAINTAINED BY BGE

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 450 (DEFENSE HWY.) AND CROWNSVILLE / SOUTH HAVEN ROADS ANNAPOLIS, MARYLAND
GENERAL INFORMATION SHEET
SCALE NONE DATE 2/23/10 CONTRACT NO. XX4485185
DESIGNED BY James Allen Jr. COUNTY ANNE ARUNDEL
DRAWN BY R.C. LOGMILE 02045007.16
CHECKED BY [Signature] TMS NO. K095
F.A.P. NO. TOD NO.
TS NO. 24928 DRAWING NO. 2 OF 2 SHEET NO. OF

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