

DRILL HOLES

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BORDER REV. DATE: June 11, 2004

I. GENERAL

This project involves the modification of an existing span wire Traffic Control Signal with street lighting at the intersection of US 301 (Crain Hwy) and Mitchell Road in Charles County. LED modules shall be installed into existing signal heads and Exclusive/Permissive left turn phases shall be installed for both approaches of US 301. US 301 (Crain Hwy) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

1. The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the US 301 (Crain Hwy) approaches running concurrently. New Exclusive/Permissive left turn phases shall be provided for both approaches of US 301 (Crain Hwy). The Mitchell Road approaches shall also continue to run as a side street split phase.

2. The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized 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 #5 are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1819

Mr. John Mays
Assistant District Engineer - Maintenance
Phone: (410) 841-1013

Mr. Joe Hartz
Assistant District Engineer - Utility
Phone: (410) 841-1005

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

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

Mr. Sonny Bailey
Signal Shop
410-787-7676

EQUIPMENT LIST

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

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Lists various guide shield assemblies and sheet aluminum signs.

EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Lists items like traffic assignment, pavement marking, LED signal heads, and electrical cables.

C. EQUIPMENT TO BE REMOVED

There is no equipment to be removed for this project.

PHASE CHART

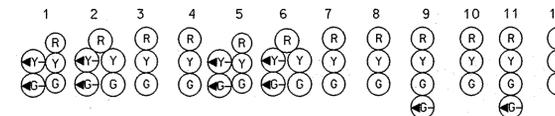
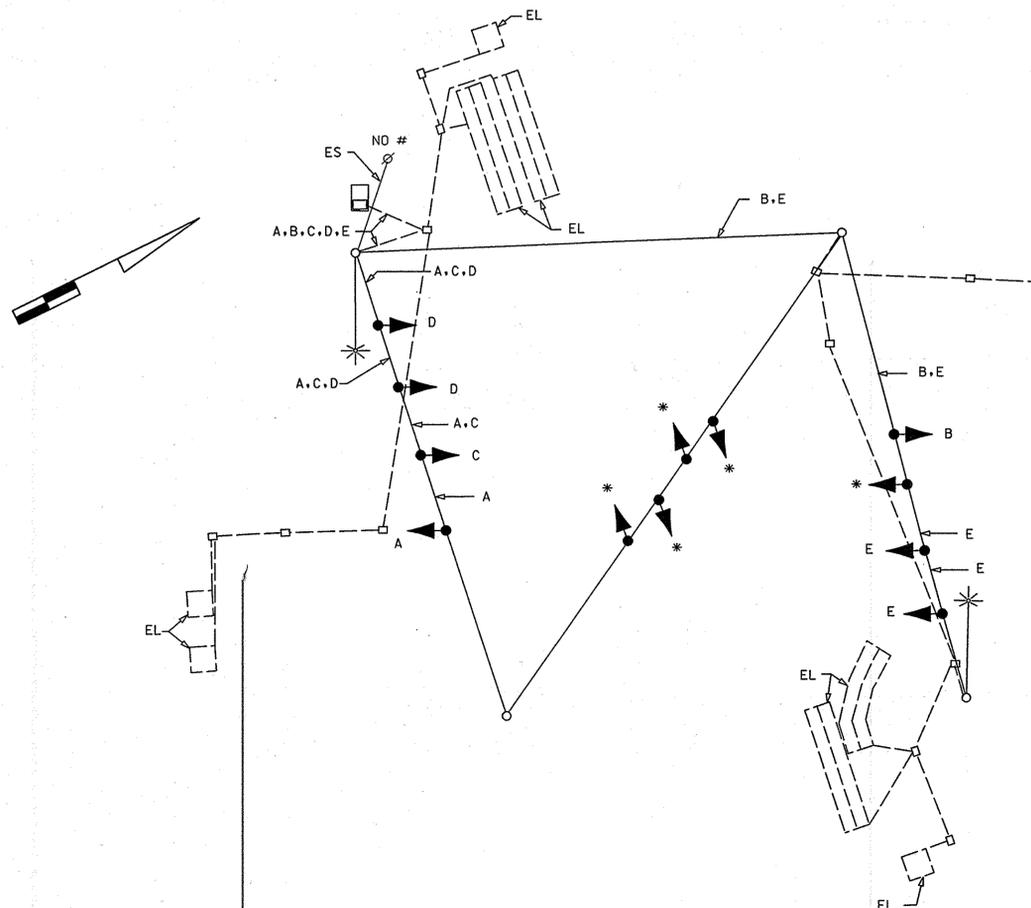


Table showing phase sequences for PHASE 1 & 5, PHASE 1 & 6, PHASE 2 & 5, PHASE 2 & 6, PHASE 3, PHASE 4, and FLASHING OPERATION.

WIRING DIAGRAM



WIRING KEY section defining symbols for cable types, existing cables, loop wires, and existing services.

TOD NO: AT936-35
SHA NO: CH343A55/CS5
US 301@ MITCHELL RD

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
US 301 (CRAIN HWY) AND MITCHELL ROAD
LAPLATA, MARYLAND

GENERAL INFORMATION SHEET
SCALE NONE DATE 4/15/08 CONTRACT NO. AT9365185
DESIGNED BY JAMES ALLEN COUNTY CHARLES
DRAWN BY ROB CICCHINI LOGMILE 08030117.40
CHECKED BY TIMS NO. 1709
F.A.P. NO. TOD NO.

REVISION "B"
STREET TRAFFIC STUDIES, LTD.
420 Crain Hwy, N.W.
Glen Burnie, MD 21061
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