

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 3 (Business) at Nolpark Court in Anne Arundel County. A left turn phase shall be installed for the northbound approach of MD 3 (Business). Additionally, all signal heads shall be converted to LED signal heads. Lastly, video detection shall be installed for the northbound, southbound and westbound approaches of this intersection. Nolpark Court, MD 3 (Business) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- 1. The intersection is to operate in a NEMA six-phase, fully-actuated mode, with the MD 3 (Business) approaches continuing to run concurrently. A new Exclusive left turn phase shall be provided for the northbound approach of MD 3 (Business). The existing Exclusive left turn phase for the southbound approach of MD 3 (Business) shall remain in operation. The Nolpark Court / commercial driveway approaches shall continue to operate as a side street split phase.
2. The 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.

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 Harty
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

Sonny Bailey
Sign Shop
410-787-7676

EQUIPMENT LIST

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

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Row 1: 9002 NEMA load switch (to be installed by SHA Forces), 1 EA

EQUIPMENT LIST (cont.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Rows include: 1001 Maintenance of traffic per assignment (1 EA), 8001 12" LED signal head section (17 EA), 8015 LED signal head modules (ANY SIZE) (21 EA), 8017 Remove and dispose of existing material & equipment per assignment (1 EA), 8047 Video detector camera & cable up to 500' (3 EA), 8060 Electrical cable - 5 conductor (No. 14 AWG) (105 L.F.)

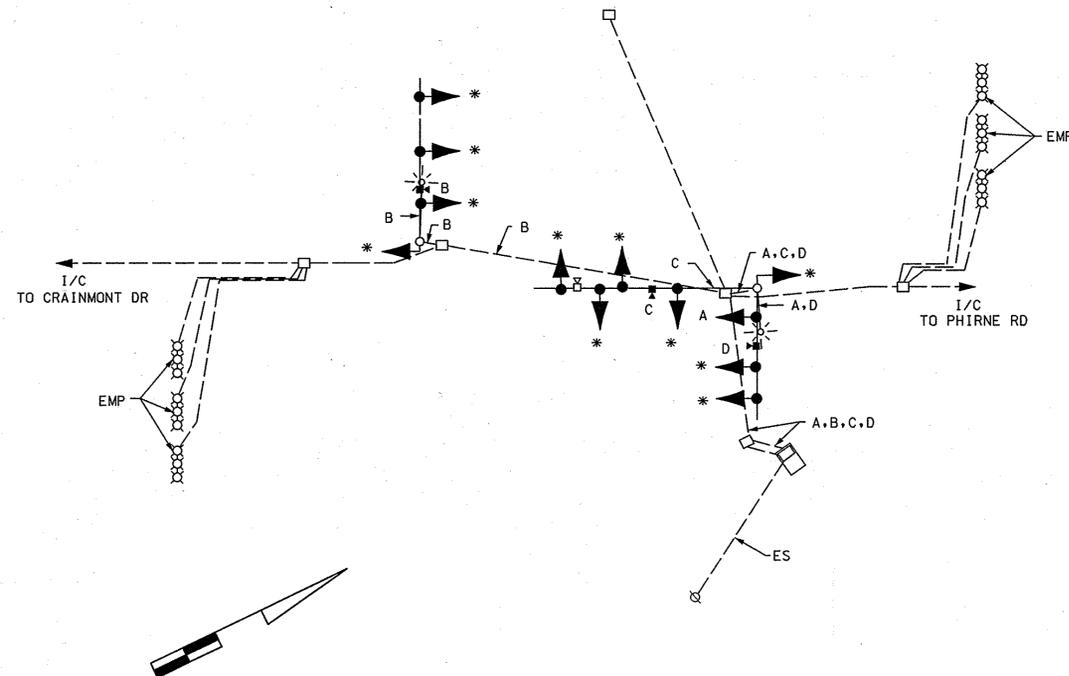
C. EQUIPMENT TO BE REMOVED

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

PHASE CHART

Phase chart table with 12 columns (1-12) and rows for PHASE 1 & 5, CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6, PHASE 1 & 6, 1 CHANGE, PHASE 2 & 5, 5 CHANGE, PHASE 2 & 6, 2 & 6 CHANGE, PHASE 3, 3 CHANGE, PHASE 4, 4 CHANGE, and FLASHING OPERATION. Each cell contains traffic signal phase indicators (R, Y, G, L, T).

WIRING DIAGRAM



WIRING KEY
A - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
B, C, D } CONTROL CABLE (CAMERA TO CONTROLLER) UP TO 500'
* - USE EXISTING CABLE
EMP - EXISTING MICROLOOP
ES - EXISTING UNDERGROUND SERVICE TO BE MAINTAINED BY BGE

TOD NO:AT936-38
SHA NO:AA522A5D/B5D
MD 3B@NOLPARK COURT

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 3 (BUS.) AND NOLPARK COURT
GLEN BURNIE, MARYLAND
GENERAL INFORMATION SHEET
SCALE NONE DATE 4/17/08 CONTRACT NO. AT9365185
DESIGNED BY J.W.A. COUNTY ANNE ARUNDEL
DRAWN BY R.C. LOGMILE 02000301.01
CHECKED BY TIMS NO. 1941
F.A.P. NO. TOD NO.
TS NO. 3572C DRAWING NO. 2 OF 2 SHEET NO. OF

REVISION "C"
STREET TRAFFIC STUDIES, LTD.
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553661.dgn T-166