

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of video cameras and microloops to an existing Traffic Control Signal at the intersection of US 50 and MD 213 in Queen Anne's County. The installation is due to safety and resurfacing. US 50 is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection is to operate in a NEMA six-phase, semi-actuated mode, with the US 50 approaches continuing to run concurrently. Exclusive/Permissive left turn phases shall continue to be provided for both approaches of US 50. The MD 213 approaches shall continue to run as a side street split phase. A pre-emption phase for southbound MD 213 shall be maintained. A pre-emption phase for eastbound US 50 shall be maintained.
2. Video interface shall be installed into the existing full-traffic-actuated, eight-phase controller with one existing detector rack housed in a NEMA size "6" base-mounted cabinet at this intersection. SHA forces shall remove unused 4 channel detector amplifiers.

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) 787-7650 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 are as follows:

Mr. Robert Kiel
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Terry Wright
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: (410) 810-3274

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

Mr. Sonny Bailey
Sign Shop
410-787-7670

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED THE SHA

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items 9016 (Detector amplifier 4-channel rack mount) and 9086 (Video detection interface equipment).

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items 1001 (Maintenance of traffic per assignment), 8001 (Clamp on lighting arm), 8010 (3" schedule 80 rigid polyvinyl chloride conduit - bored), 8013 (3" schedule 80 rigid polyvinyl chloride conduit - trenched), 8024 (Non-invasive detector with 1000' lead-in cable), 8026 (Video detection camera), 8027 (Control cable, 250', video detection camera to controller), 8028 (Control cable, 500', video detection camera to controller).

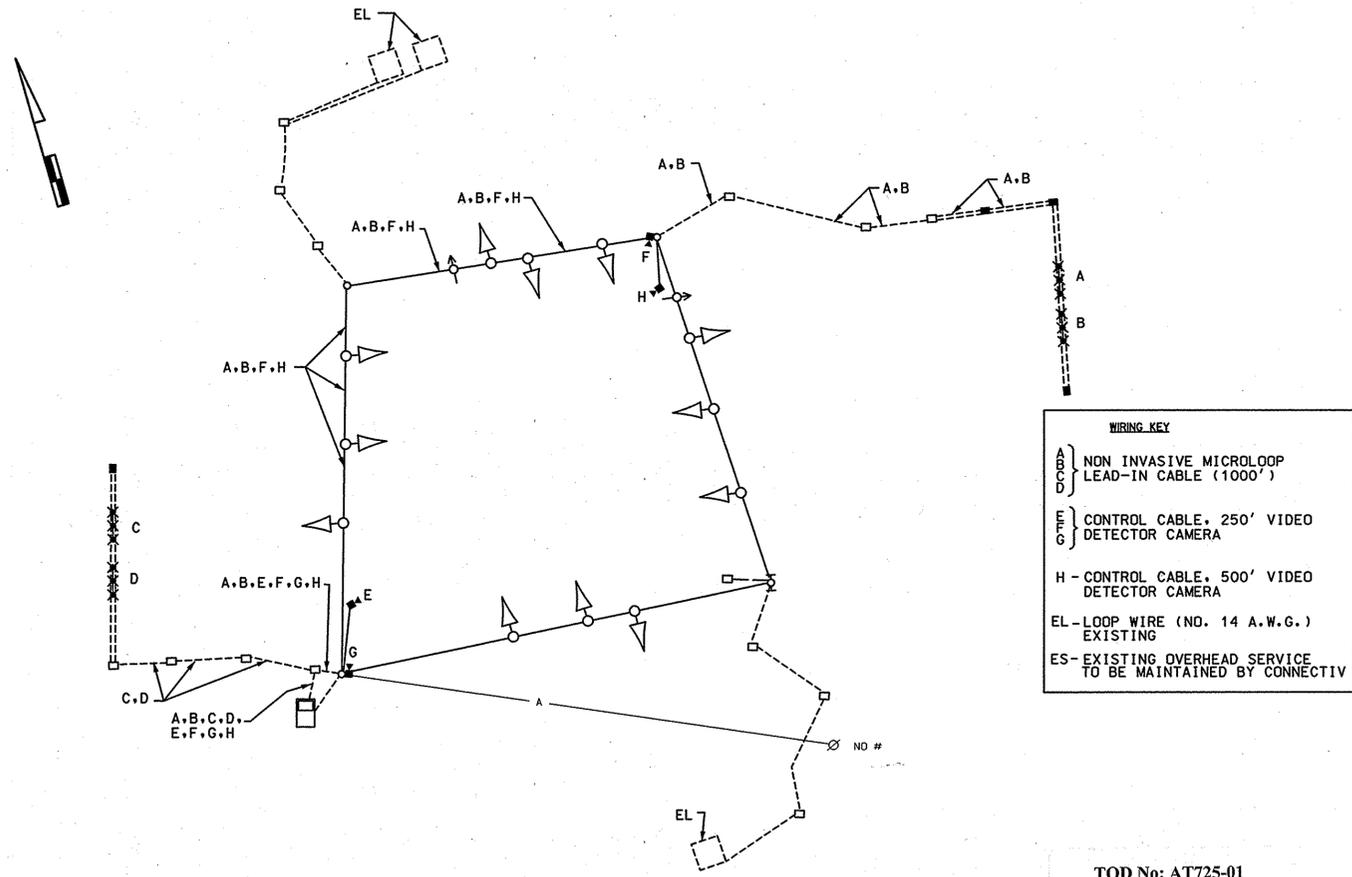
C. EQUIPMENT TO BE REMOVED

There is no signal equipment to be removed for this project.

PHASE CHART

THERE ARE NO CHANGES TO THE PHASE CHART FOR THIS PROJECT

WIRING DIAGRAM



WIRING KEY
A } NON INVASIVE MICROLOOP LEAD-IN CABLE (1000')
E } CONTROL CABLE, 250' VIDEO DETECTOR CAMERA
G } CONTROL CABLE, 500' VIDEO DETECTOR CAMERA
H } CONTROL CABLE, 500' VIDEO DETECTOR CAMERA
EL } LOOP WIRE (NO. 14 A.W.G.) EXISTING
ES } EXISTING OVERHEAD SERVICE TO BE MAINTAINED BY CONNECTIV

TOD No: AT725-01
SHA No: QA338A51/B51
Queen Anne's County

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 50 @ MD 213
WYE MILLS, MARYLAND

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

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PLOTTED: \$DATE\$TIME\$
FILE: \$FILE\$

Table with project details: SCALE NONE, DATE 2/3/06, CONTRACT NO. AT7255185, DESIGNED BY R.C., COUNTY QUEEN ANNE'S, DRAWN BY J.A., LOGMILE 17005017.44, CHECKED BY, TMS NO. 6994, F.A.P. NO., TOD NO., TS NO. 141KG1, DRAWING NO. OF, SHEET NO. 2 OF 2