

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with interconnect at the intersection of MD 198 (Ft Meade Rd) and Laurel Plaza / Dutch Market in Prince George's County. Pedestal signal poles shall be placed in the medians on MD 198 (Ft Meade Rd) and a Countdown pedestrian phase with audible pushbutton shall be installed across the east leg of MD 198 (Ft Meade Rd). All signal heads shall be LED signal heads. MD 198 (Ft Meade Rd) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the MD 198 (Ft Meade Rd) approaches continuing to run concurrently. The Exclusive/Permissive left turn phases on MD 198 (Ft Meade Rd) shall remain in operation. A new Countdown pedestrian phase with audible pushbutton actuation shall be installed across the east leg MD 198 (Ft Meade Rd). The Laurel Plaza / Dutch Market drive approaches shall continue to run concurrently.
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.
3. SHA signal shop shall install APS control unit into controller cabinet. The Contractor shall deliver the Control Unit and audible pushbuttons to the SHA Signal Shop for testing and programming.

III. SPECIAL NOTES

- 1. 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.
2. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
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.
4. APS will function as follows:
TO CROSS FT MEADE ROAD
a. When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message "Wait to cross Fort Meade at Shopping Center."
b. When the WALK phase begins, the pushbutton unit will provide a rapid tick which will last for the duration of the WALK phase.

The contact persons for District #3 (Prince George's County) and SHA are as follows:

- Ms. Felecia Murphy Assistant District Engineer - Traffic Phone: (301) 513-7358
Mr. Richard L. Doff, Sr. Chief, Traffic Operations Division Phone: (410) 787-7630
Mr. Vernon Stinnett District Engineer - Maintenance Phone: (301) 513-7304
Mr. Ed Rodenhizer Manager, Signal Operations Section 410-787-7652
Mr. Victor Grafton District Engineer - Utility Phone: (301) 513-7350
Sonny Bailey Manager, Sign Shop Operations 410-787-7676

EQUIPMENT LIST

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Video detection interface equipment, Sheet aluminum signs, and Pedestrian education signs.

EQUIPMENT LIST (con.t)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Lists items like traffic per assignment, excavations, pavement markings, signal heads, and various cables.

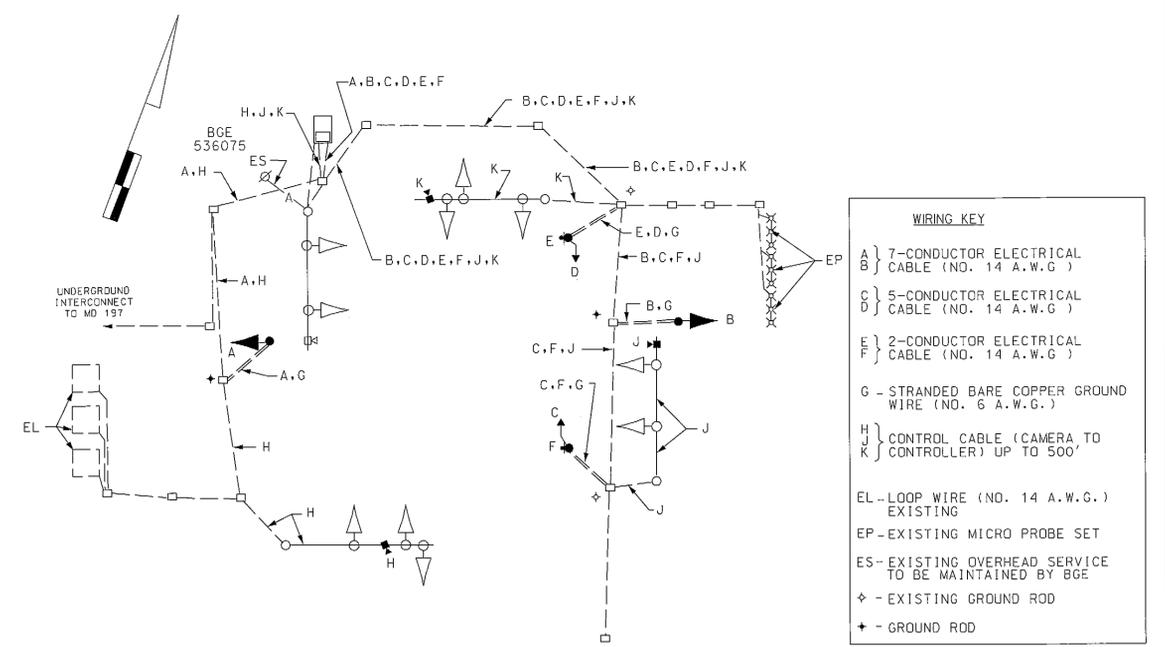
C. EQUIPMENT TO BE REMOVED

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

PHASE CHART

Phase chart table showing signal phases (1-14) and their corresponding movements (G, R, Y, G, R, Y) for various phase combinations like PHASE 1 & 5, PHASE 1 & 6, etc.

WIRING DIAGRAM



TOD No: XX354-05
SHA No: PG801A52/K52
MD 198 @ Laurel Plaza/Dutch Market

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 198 (FT MEADE RD) AND LAUREL PLAZA LAUREL, MARYLAND

GENERAL INFORMATION SHEET
SCALE NONE DATE 4/12/10 CONTRACT NO. XX3545168R
DESIGNED BY J.W.A. COUNTY PRINCE GEORGE'S
DRAWN BY R.C. LOGMILE 16019804.12
CHECKED BY TIMS NO. K369
F.A.P. NO. TOD NO.

STREET TRAFFIC STUDIES, LTD.
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