

BORDER REV. DATE: June 1, 2004

DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a mast arm Traffic Control Signal with interconnect, Countdown pedestrian signals and audible pushbuttons at the intersection of MD 198 (Talbot Ave) and 8th Street in Prince George's County. MD 198 (Talbot Ave) is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection is to operate in a NEMA three-phase, fully-actuated mode, with the MD 198 (Talbot Ave) approach running in its own phase. A Countdown pedestrian phase with audible pushbutton actuation shall be provided across the east leg of MD 198 (Talbot Ave). Countdown pedestrian phases with audible pushbuttons on recall shall be installed across both legs of 8th Street. The 8th Street approaches shall run concurrently.
2. A full-traffic-actuated, eight-phase controller with video interface and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be installed 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. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, 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.

4. APS will function as follows:

TO CROSS MD 198 (TALBOT AVE)

- a. When pedestrian locates and presses pushbutton for an extended time, the pushbutton unit will be "Wait to cross Talbot at 8th."
b. When WALK phase begins, the message will be a rapid tick which will last for the duration of the WALK phase.

TO CROSS 8th STREET

- a. When pedestrian locates and presses pushbutton for an extended time, the pushbutton unit will be "Wait to cross 8th at Talbot."
b. When WALK phase begins, the message will be a rapid tick which will last for the duration of the WALK phase.

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

- Mr. Brian Young, Assistant District Engineer - Traffic, Phone: (301) 513-7318
Mr. Richard L. Deff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630
Mr. Wayne Mowdy, Assistant District Engineer - Maintenance, Phone: (301) 513-7304
Mr. Ed Rodenhizer, Signal Shop, Phone: (410) 787-7652
Mr. Augie Rebish, Assistant District Engineer - Utility, Phone: (301) 513-7350
Mr. Sonny Bailey, Sign Shop, Phone: (410) 787-7676

The power company representative is:

Baltimore Gas and Electric, 7317 Parkway Drive South, Hanover, MD 21076, 410-850-4620

EQUIPMENT LIST

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

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Lists items like Controller ASC II, cabinet, video interface, signs, and cables.

9571 Sheet aluminum signs to consist of:

- D3-2 "Talbot Ave" sign, (dual faced) (variable x 16") mast arm mount
D3-2 "Eighth St" sign, (variable x 16") mast arm mount

EQUIPMENT LIST (cont.)

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

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Lists items like R3-2 "NO LEFT TURN" sign, R3-2 "NO RIGHT TURN" sign, S1-1 "SCHOOL" sign, W16-7P(L) "arrow" sign, and Guide Shield Assembly.

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Lists items like Maintenance of traffic per assignment, Class 2 Excavation, Test Pit Excavation, removal of pavement markings, and various poles and cables.

EQUIPMENT LIST (cont.)

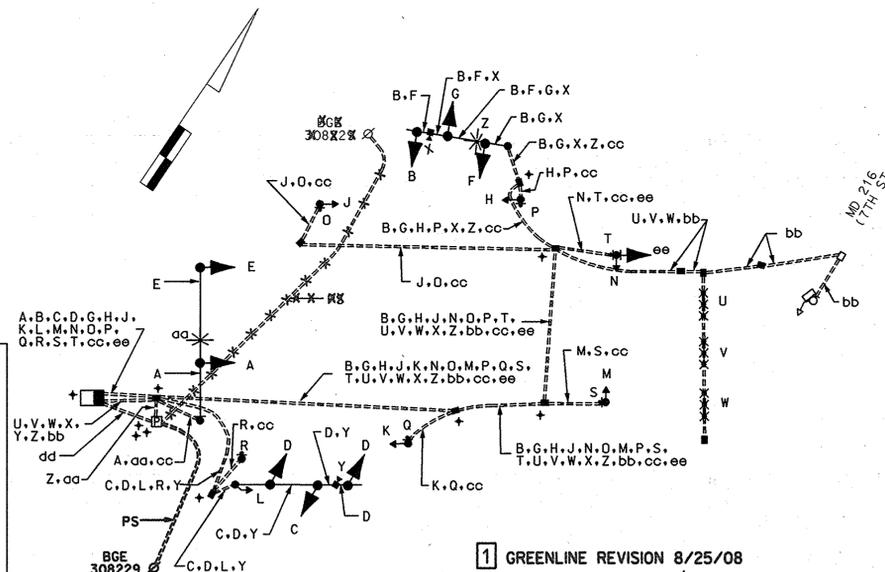
C. EQUIPMENT TO BE REMOVED

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

PHASE CHART

Phase chart table showing signal phases (G, R, Y, C) and pedestrian phases (FL/DW, DW, WK) for MD 198 and 8th Street.

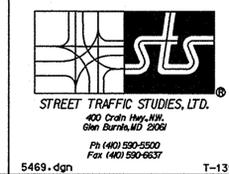
WIRING DIAGRAM



WIRING KEY: A) 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), B) 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), C) 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), D) NON-INVASIVE MICROLOOP LEAD-IN CABLE, E) CONTROL CABLE (CAMERA TO CONTROLLER) UP TO 500', F) 2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.), G) 12-PAIR VOICE GRADE INTERCONNECT CABLE (JELLY FILLED), H) STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.), I) 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.), J) PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE, K) GROUND ROD.

GREENLINE REVISION 8/25/08, TEDD APPROVAL [Signature]

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION. MD 198 (TALBOT AVE) AND 8TH ST LAUREL, MARYLAND. GENERAL INFORMATION SHEET. SCALE NONE, DATE 6/6/08, CONTRACT NO. XX4445185. DESIGNED BY JAMES ALLEN, COUNTY PRINCE GEORGE'S, DRAWN BY ROB CICCHINI, LOGMILE, CHECKED BY, TMS NO. 1647, F.A.P. NO., TOD NO., TS NO., DRAWING NO. 2 OF 2, SHEET NO. OF.



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