

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 street lighting and interconnect at the intersection of MD 198 (Spencerville Rd) and Old Columbia Pike / School Driveway in Montgomery County. Countdown pedestrian signal heads with audible pushbuttons shall be installed at this intersection. MD 198 (Spencerville Rd) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA six-phase, semi-actuated mode, with the MD 198 (Spencerville Rd) approaches running concurrently. Exclusive/Permissive left turn phases for both approaches of MD 198 (Spencerville Rd) shall continue to operate. The pedestrian phase across the west leg of MD 198 (Spencerville Rd) shall now be a Countdown pedestrian phase with audible pushbutton actuation. The pedestrian phases across the Old Columbia Pike approach shall now be a Countdown pedestrian phase with audible pushbutton on recall. The Burtonsville Elementary School Driveway pedestrian phase shall be removed as part of this project. The Old Columbia Pike / School Driveway approaches shall also 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. Montgomery County Signal Shop shall install APS control unit into controller cabinet. The APS push buttons should be delivered to Mike Kinney at the Montgomery County Technical Center for programming at least two weeks prior to the beginning of work.

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. Disconnecting and splicing of interconnect cable shall be performed by Montgomery County Forces. The contractor shall run the interconnect cable into the base of each cabinet and properly tag the cable. All controller cabinet wiring will be performed by Montgomery County Forces. Contact Kamal Hamud at (240) 777-8761 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 contacts for Montgomery County and SHA are as follows:

- Ms. Felecia Murphy, Assistant District Engineer - Traffic, Phone: (301) 513-7424
Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630
Mr. Bob Ricketts, Mont. County Traffic, Phone: (410) 787-3681
Mr. Vernon Stinnett, Assistant District Engineer - Maintenance, Phone: (301) 513-7304
Mr. Mike Kinney, Signal Shop (Mont Co.), Phone: 240-777-8760
Mr. Kamal Hamud, Mont. County TMC Center, Phone: 240-777-8761
Mr. Victor Grafton, Assistant District Engineer - Utility, Phone: (301) 513-7350
Mr. Sonny Bailey, Manager, Sign Shop Operations, Phone: 410-787-7670

EQUIPMENT LIST

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

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like sheet aluminum signs, W16-7P(L) arrow signs, S1-1 SCHOOL sign, etc.

EQUIPMENT LIST (cont.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like maintenance of traffic per assignment, Class 2 Excavation, removal of existing pavement marking, etc.

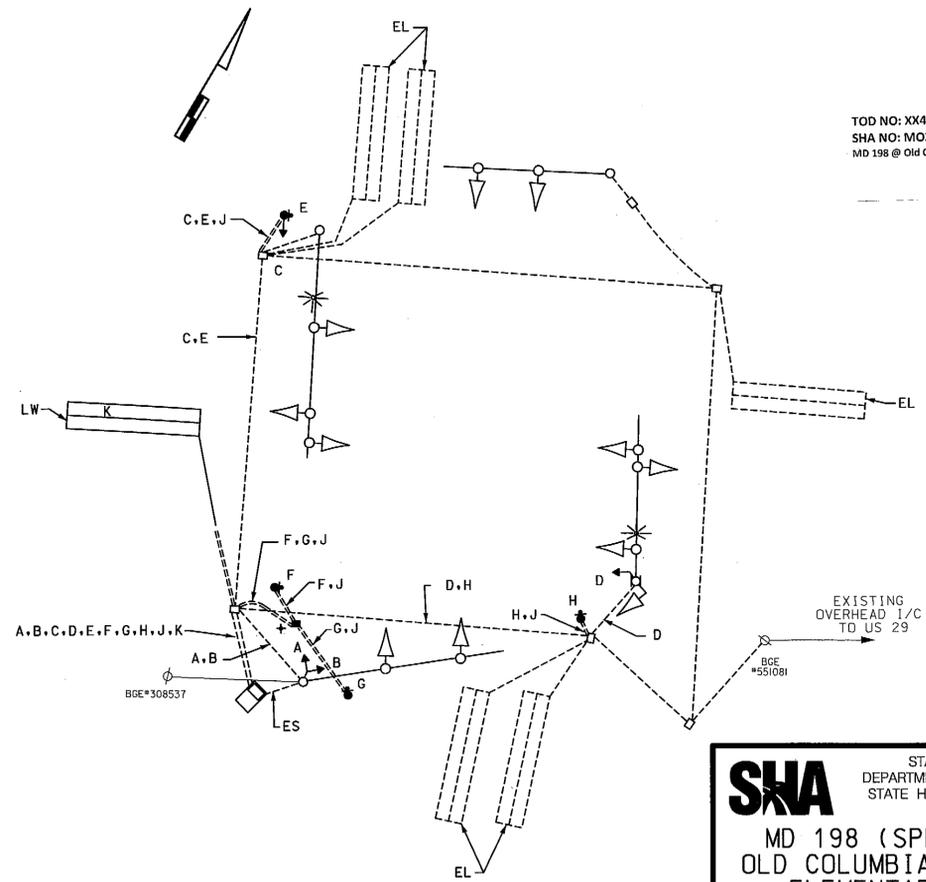
C. EQUIPMENT TO BE REMOVED

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

PHASE CHART

Phase chart table showing traffic phases (1-15) and signal states (G, R, Y, G, R, Y) for various phases and changes.

WIRING DIAGRAM



TOD NO: XX445-31
SHA NO: MO206A59/B59
MD 198 @ Old Columbia Pike/School Access Rd

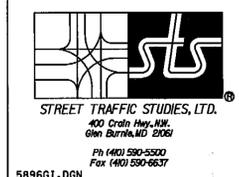
WIRING KEY section defining symbols for 5-conductor electrical cable, 2-conductor electrical cable, stranded bare copper ground wire, aluminum shielded cable, loop wire, and existing overhead service.

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

MD 198 (SPENCERVILLE RD) AND OLD COLUMBIA PIKE/ BURTONSVILLE ELEMENTARY SCHOOL DRIVEWAY

GENERAL INFORMATION SHEET

Form with fields for SCALE, DATE, CONTRACT NO., DESIGNED BY, COUNTY, DRAWN BY, LOGMILE, CHECKED BY, TIMS NO., F.A.P. NO., TOD NO., TS NO., DRAWING NO., SHEET NO.



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