

DRILL HOLES

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BORDER REV: DATE: June 11, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 320 (Piney Branch Rd) and Dale Drive / Devon Road in Montgomery County. Audible pedestrian signal heads shall be installed across the east, west and north legs of this intersection. MD 320 (Piney Branch Rd) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA five-phase, semi-actuated mode, with the MD 320 (Piney Branch Rd) approaches running concurrently. The Exclusive/Permissive left turn phase shall remain in operation for the northbound approach of MD 320 (Piney Branch Rd). The pedestrian phase with pushbutton actuation across the north leg of MD 320 (Piney Branch Rd) shall now be an audible pedestrian phase. The pedestrian phases, on recall, across Dale Drive / Devon Road shall now be audible phases. The Dale Drive / Devon Road 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.

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 Montgomery County Forces. Contact Dr. Wilhelm DerMinasian at (240) 777-8795 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.

EQUIPMENT LIST (cont.)

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

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Items include: 8001 Furnish and install 12" pedestrian signal head section (Black Faced) 12 EA; 8009 Furnish and install breakaway pedestal pole (10') 3 EA; 8013 Remove and dispose of existing material and equipment per assignment 1 EA; 8019 Disconnect, pull back and reroute cable 25 L.F.; 8021 Detectable warning surface (truncated domes) 48 S.F.; 8024 Furnish and install concrete for signal foundation 3 C.Y.; 8026 Furnish and install No. 6 AWG stranded bare copper ground wire 550 L.F.; 8032 Furnish and install 3" schedule 80 rigid polyvinyl chloride - trenched 25 L.F.; 8047 Install overhead sign (includes ped signs) 15 SF; 8053 Furnish and install ground rod - 3/4" x 10' 3 EA; 8056 Furnish and install 12" vehicular traffic signal head section 5 EA; 8059 Furnish and install electrical cable - 2 conductor (No. 14 AWG) 710 L.F.; 8061 Furnish and install electrical cable - 5 conductor (No. 14 AWG) 730 L.F.; 8062 Furnish and install electrical cable - 7 conductor (No. 14 AWG) 155 L.F.; 8073 Furnish and install APS Central Control unit 1 EA; 8074 Furnish and install APS pushbutton and assembly with 5x7 black plate face plate, sign option "A" with International Braille "Piney Branch Rd" 2 EA; 8074 Furnish and install APS pushbutton and assembly with 5x7 black plate face plate, sign option "A" with International Braille "Dale Drive" 2 EA; 8074 Furnish and install APS pushbutton and assembly with 5x7 black plate face plate, sign option "A" with International Braille "Devon Road" 2 EA.

C. EQUIPMENT TO BE REMOVED

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

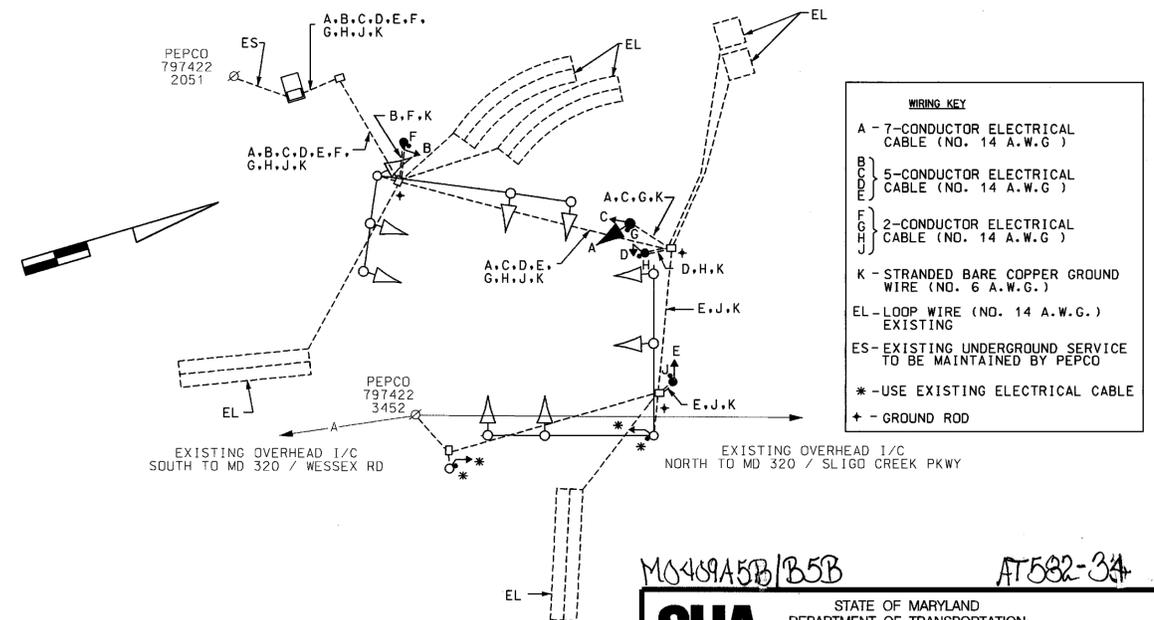
The contact persons for District #3 (Montgomery County) are as follows:

- Mr. Lee Starkloff, Assistant District Engineer - Traffic, Phone: (301) 513-7318; Mr. Richard L. Daff, 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, District Engineer - Utility, Phone: (301) 513-7350; Mr. Sonny Bailey, Sign Shop, Phone: 410-787-7670.

PHASE CHART

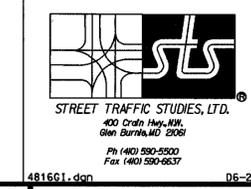
Phase chart table with columns 1-16 and rows for various phases like PHASE 1 & 6, PHASE 1 & 6 ALT, PHASE 2 & 6, PHASE 2 & 6 ALT, PHASE 2 & 6 ALT & 6, PHASE 2 & 6 ALT, PHASE 4 & 8, PHASE 4 & 8 ALT, PHASE 4 & 8 ALT, FLASHING OPERATION.

WIRING DIAGRAM



MO489A5B/B5B AT582-34

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION. MD 320 AND DALE DRIVE /DEVON ROAD. SCALE NONE DATE 3/29/05 CONTRACT NO. AT5825185. DESIGNED BY JA COUNTY MONTGOMERY. DRAWN BY RC LOGMILE 15032001.20. CHECKED BY F.A.P. NO. TIMS No: 0655. DRAWING NO. 2067A-GI - OF SHEET NO. 2 OF 2.



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