

BORDER REV. DATE: June 1, 2004

DRILL HOLES

DRILL HOLES

DRILL HOLES

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 187 (Old Georgetown Rd) and Rock Spring Drive / Wildwood Manor Shopping Center driveway in Montgomery County. A Countdown pedestrian with audible pushbutton phase shall be installed across Rock Spring Drive. MD 187 (Old Georgetown Rd) is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA six-phase, semi-actuated mode, with the MD 187 (Old Georgetown Rd) approaches running concurrently. Exclusive left turn phases for both approaches of MD 187 (Old Georgetown Rd) shall continue to operate. The Countdown pedestrian phase with audible pushbuttons on recall across the Wildwood Manor Shopping Center driveway shall continue to operate. The Countdown pedestrian phase with audible pushbutton actuation across the south leg of MD 187 (Old Georgetown Rd) shall continue to be provided. The Countdown pedestrian phase across Rock Spring Drive shall now be a Countdown pedestrian phase with audible pushbuttons on recall. Farside sampling stations via video camera detection shall remain in operation for all both legs of MD 187 (Old Georgetown Rd) and the Rock Spring Drive leg of the intersection. The Rock Spring Drive / Wildwood Manor Shopping Driveway approaches shall continue to run as a side street split phase.
2. The existing full-traffic-actuated, eight-phase controller with video interface and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.
3. The APS push buttons should be delivered to Keith Lord 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. 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.
4. Proposed APS will function as follows:
TO CROSS ROCK SPRING DRIVE
a. When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message "Wait to cross Rock Spring at Old Georgetown."
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 contacts for Montgomery County and SHA are as follows:

Ms. Anyesha Mookherjee, Assistant District Engineer - Traffic, Phone: (301) 513-7318; Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630; Mr. Mike Kinney, Mont. County Traffic, 240-777-8760; Mr. Vernon Stinnett, Assistant District Engineer - Maintenance, Phone: (301) 513-7304; Mr. Keith Lord, Signal Shop (Mont Co.), 301-674-8965; Mr. Kamal Hamud, Mont. County TMC Center, 240-777-8761; Mr. Victor Grafton, Assistant District Engineer - Utility, Phone: (301) 513-7350; Mr. Sonny Bailey, Manager, Sign Shop Operations, 410-787-7670.

EQUIPMENT LIST

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

Table with columns: ITEM NUMBER, DESCRIPTION, QUANTITY. Includes items 9570 (Sheet aluminum signs) and 9571 (Sheet aluminum signs).

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NUMBER, DESCRIPTION, QUANTITY. Includes items 1003 (Maintenance of traffic), 2002 (Test Pit Excavation), 5001 (Removal of existing pavement), 5004 (12" white heat applied pavement), 5005 (24" white heat applied pavement), 6001 (Standard type A curb and gutter), 6002 (5" concrete sidewalk), 6003 (Detectable warning surfaces), 8008 (Audible/tactile pedestrian pushbutton station), 8009 (Breakaway pedestal pole), 8017 (LED signal head modules), 8024 (Remove and dispose of existing material), 8036 (Schedule 80 rigid PVC conduit), 8038 (Install ground mounted OR overhead sign), 8040 (No. 6 AWG stranded bare copper ground wire), 8049 (Cut, clean, galvanize and cap traffic signal structure), 8051 (Electrical cable).

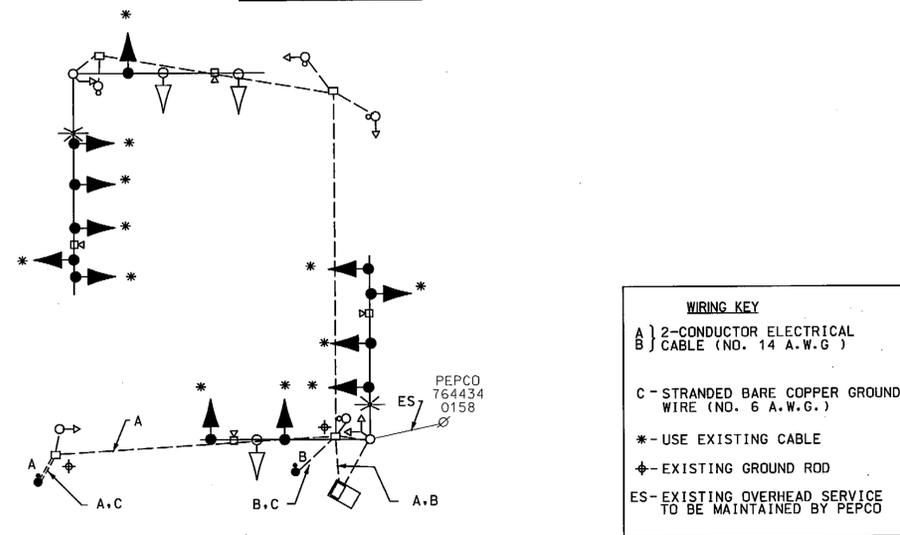
C. EQUIPMENT TO BE REMOVED

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

PHASE CHART

Phase chart table showing traffic signal phases (PHASE 2 & 5, PHASE 2 & 6, PHASE 3, PHASE 4, PHASE 4 ALT, PHASE 1 & 5) and their corresponding signal states (R, G, Y, FL/DW, W, DW) for 21 lanes.

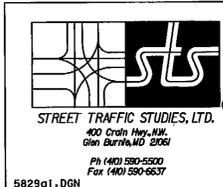
WIRING DIAGRAM



TOD No: XX354-06
SHA No: MO255A52/K52
MD 187 @ Rock Spring Drive

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 187 (OLD GEORGETOWN ROAD) AND ROCK SPRING DRIVE
OAKMONT, MARYLAND

GENERAL INFORMATION SHEET
SCALE NONE DATE 5/20/10 CONTRACT NO. XX3545168R
DESIGNED BY R.R.Z. COUNTY MONTGOMERY
DRAWN BY R.C. LOGMILE 15018703.51
CHECKED BY TIMS NO. K320
F.A.P. NO. TOD NO.



5829g1.DGN

PLOTTED: 5/20/10 12:35:34 PM
FILE: #FILE#

\\s0001\5\0255A52\06891.dgn 5/20/2010 12:35:34 PM