

DRILL HOLES

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BORDER RECH. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with street lighting and interconnect at the intersection of MD 117 (W. Diamond Avenue) and I-270 Ramp 1 / Park & Ride in Montgomery County. The pedestrian signals shall be upgraded to Countdown pedestrian signals with audible pushbuttons. MD 117 (W. Diamond Avenue) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA four-phase, semi-actuated mode, with the MD 117 (W. Diamond Avenue) approaches running concurrently. An Exclusive/Permissive left turn phase shall remain in operation for the eastbound approach of MD 117 (W. Diamond Avenue). The pedestrian phase across the east leg of MD 117 (W. Diamond Avenue) shall now be a Countdown pedestrian phase with audible pushbutton actuation. The pedestrian phase across I-270 Ramp 1 / Park & Ride shall now be a Countdown pedestrian phase with audible pushbuttons on recall. Far side sampling stations via video detection shall remain in operation on both legs of MD 117 (W. Diamond Avenue) at this intersection. The I-270 Ramp 1 / Park & Ride approach shall also continue to run concurrently.
2. The existing full-traffic-actuated, eight-phase controller with video interface L.A.U. and L.A.U. Panel and 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 pushbuttons 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. 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. Anyesha Mockherjee
Assistant District Engineer - Traffic
Phone: (301) 513-7318

Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Victor Grafton
Assistant District Engineer - Utility
Phone: (301) 513-7350

Mr. Kamal Hamud
Mont. County TMC Center
240-777-8761

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Bob Ricketts
Signal Shop (Mont Co.)
240-777-8760

Mr. Sonny Bailey
Manager, Sign Shop Operations
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, R4-7 'KEEP RIGHT' sign, Pedestrian education R10-3(1) mod sign, etc.

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, Test Pit Excavation, etc.

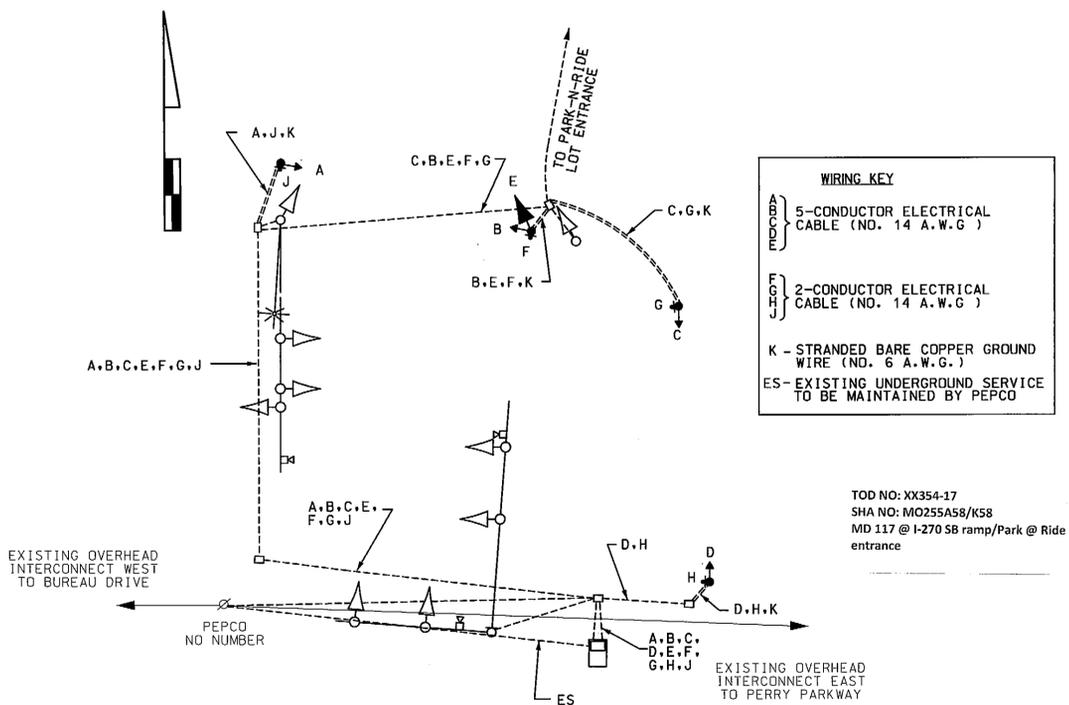
C. EQUIPMENT TO BE REMOVED

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

PHASE CHART

Phase chart table showing signal phases (PHASE 1 & 6, PHASE 2 & 6, PHASE 7, etc.) and corresponding signal states (G, R, Y, DW, FL/DW, etc.) for 13 different signal heads.

PHASE CHART



SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 117 (W DIAMOND AVENUE) AND I-270 RAMP 1 / PARK AND RIDE ENTRANCE
GAITHERSBURG, MARYLAND

GENERAL INFORMATION SHEET
SCALE NONE DATE 10/19/10 CONTRACT NO. XX3545168R
DESIGNED BY R.R.Z. COUNTY MONTGOMERY
DRAWN BY R.C. LOGMILE 15011711.81
CHECKED BY [Signature] TMS NO. J696
F.A.P. NO. TOD NO.

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., NW
Glen Burnie, MD 21061
PH (410) 590-5500
FAX (410) 590-6637

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FILE: \$FILE\$

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