

DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with street lighting at the intersection of MD 410 (East - West Hwy) and Taylor Road in Prince George's County. Countdown pedestrian signals with audible pushbuttons shall be installed across the east leg of MD 410 (East-West Hwy). MD 410 (East-West Hwy) is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the MD 410 (East-West Hwy) approaches running concurrently. Exclusive left turn phases for both approaches of MD 410 (East-West Hwy) shall remain in operation. A new Countdown pedestrian phase with audible pushbutton actuation shall be provided across the east leg of MD 410 (East-West Hwy). The Taylor 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.
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. Contact Mr. Ed Rodenhizer (410) 787-7652.

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 SHA Signal Shop Forces. Contact 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.

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. 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
410-787-7652

Mr. Augie Rebich
Assistant District Engineer - Utility
Phone: (301) 513-7350

Sonny Bailey
Sign Shop
410-787-7670

EQUIPMENT LIST (cont.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like 4" concrete sidewalk, 2 wire Central Control unit, Audible/tactile pedestrian pushbutton station & signs, Breakaway Pedestal pole, LED 16" countdown pedestrian signal head, etc.

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 1 & 6, PHASE 2 & 6, PHASE 2 & 5, PHASE 4 & 8, PHASE 4 & 8 ALT, PED CLEARANCE / COUNTDOWN, 4 & 8 ALT CHANGE, FLASHING OPERATION) across 16 lanes with corresponding signal indicators.

EQUIPMENT LIST

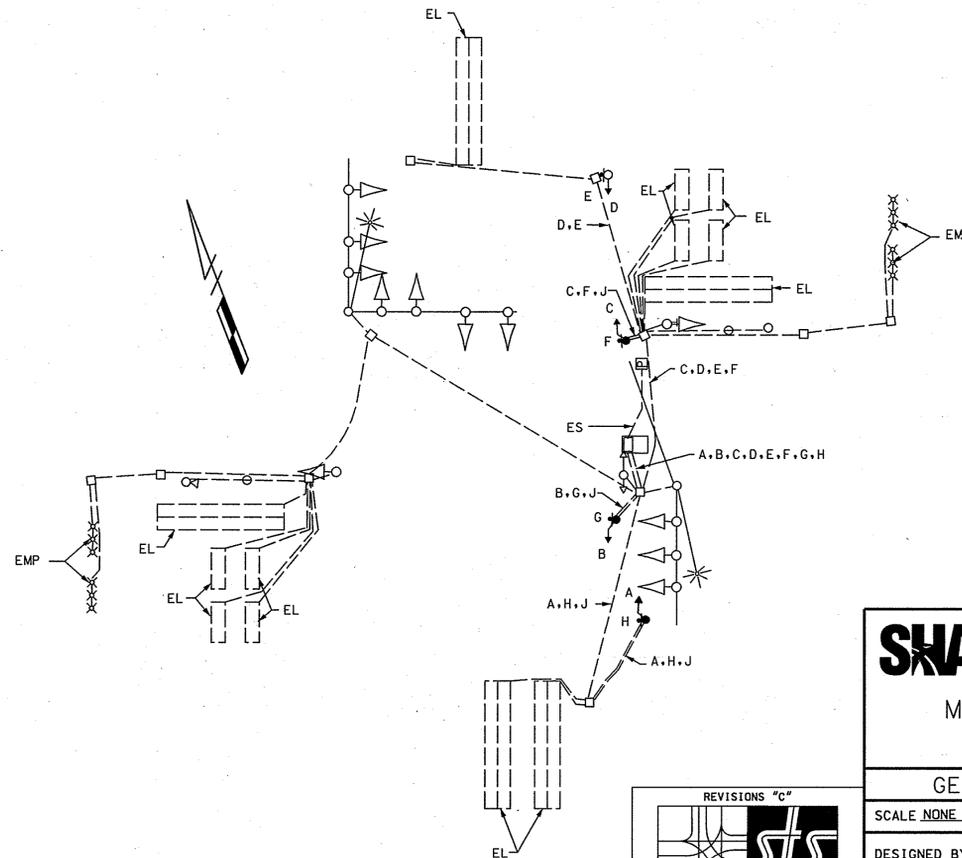
A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Sheet aluminum signs to consist of: (ground mount), M6-2 "arrow (symbolic)" right diagonal sign, S1-1 "SCHOOL" sign, Pedestrian education R10-4(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, Test Pit Excavation, Removal of existing permanent pavement line markings, 12" heat applied white permanent preformed thermoplastic pavement marking, Standard type A combination curb and gutter 12" gutter pan 8" depth.

WIRING DIAGRAM



TOD NO: AT915-17
SHA No.: PG580A51/C51
MD 410 @ Taylor Avenue

WIRING KEY

- A, D, C, B, S } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
E, O, W, T, H } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
EMP - EXISTING MICRO PROBE SET
ES - EXISTING SERVICE TO BE MAINTAINED BY PEPCO

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 410 (EAST-WEST HWY)
AND TAYLOR ROAD

GENERAL INFORMATION SHEET

SCALE NONE DATE 10/30/06 CONTRACT NO. AT9155185

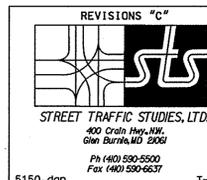
DESIGNED BY J. ALLEN Jr. COUNTY PRINCE GEORGE'S

DRAWN BY R. C. LOGMILE 16041004.17

CHECKED BY TIMS NO. H894

F. A. P. NO. TOD NO.

TS NO. 37521-G1 DRAWING NO. 2 OF 2 SHEET NO. OF



5150.dgn T-33

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