

DRILL HOLES

BORDER REV. DATE: June 1, 2004

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing strain pole Traffic Control Signal with street lighting and interconnect at the intersection of MD 198 (Ft Meade Rd) and MD 197 (Laurel-Bowie Rd) / Irving St in Prince George's County. The west leg pedestrian crossing shall be removed and an east leg pedestrian crossing shall be installed at this location. Additionally, all Countdown pedestrian signals with audible pushbuttons shall be upgraded to new Countdown Pedestrian signal heads with audible pushbuttons. MD 198 (Ft Meade Rd) is assumed to run on 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 198 (Ft Meade Rd) approaches running concurrently. The Exclusive left turn phases for both approaches of MD 198 (Ft Meade Rd) shall remain in operation. A new Countdown pedestrian phase with audible pushbutton actuation shall be installed across the east leg of MD 198 (Ft Meade Rd). The existing Countdown pedestrian phases with audible pushbuttons across MD 197 (Laurel-Bowie Rd) and Irving St shall be remain on recall. Farside sampling stations shall continue to be provided on both legs of MD 198 (Ft Meade Rd) at this intersection. The MD 197 (Laurel-Bowie Rd) / Irving St shall continue to operate as a side street split phase. Pre-emption shall continue to be provided for all approaches of this intersection.
2. The existing full-traffic-actuated, eight-phase controller with discriminator module and all necessary equipment housed in a 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.

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 the S.H.A. Signal Shop Contact Mr. 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) and SHA are as follows:

Ms. Ms. Shaneka Owens
Assistant District Engineer - Traffic
Phone: (301) 513-7404

Mr. Mark Shaffer
District Engineer - Maintenance
Phone: (301) 513-7304

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

Mr. Robert Snyder
Asst Division Chief, Traffic Operations
Phone: (410) 787-7631

Mr. Ed Rodenhizer
Manager, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Manager, Sign Shop Operations
410-787-7676

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, W11-2 PEDESTRIAN CROSSING sign, W16-7P(L) arrow sign, W16-7P(R) arrow sign, GUIDE SIGN.

EQUIPMENT LIST (CONT.)

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

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like Sheet aluminum signs, Pedestrian education R10-3(1) sign.

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, 5" heat applied white or yellow permanent pavement markings, Removal of existing permanent pavement line markings, 12" white preformed thermoplastic pavement marking lines, Standard type A combination curb and gutter, 5" concrete sidewalk, Detectable warning surface for curb ramps, 2 wire Central Control unit, Adjust existing handhole to grade with new frame and cover, Audible/tactile pedestrian pushbutton station & signs, Breakaway Pedestal pole, LED 16" countdown pedestrian signal head, Remove and dispose of equipment per assignment, 1" detector sleeve galvanized or flexible liquid tight conduit, Disconnect, pull back and reroute cable, Schedule 80 rigid PVC conduit up to 4" - trenched, Wood sign supports up to 4"x6", Install overhead or ground mounted sign, No. 6 AWG stranded bare copper ground wire, Furnish and install electrical handhole, Electrical cable - 2 conductor, Electrical cable - 5 conductor, Loop wire encased in flexible tubing, Saw cut for signal (loop detector).

C. EQUIPMENT TO BE REMOVED

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

Redline Revision Dated September 20, 2012. SHA MDOT-SHA O.O.T.S. S.H.A. Approval Date T.S. # 1847H T.I.M.S. # L218

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION MD 198 (FORT MEADE RD) AND MD 197 (LAUREL-BOWIE RD)/IRVING ST LAUREL, MARYLAND

GENERAL INFORMATION SHEET SCALE NONE DATE 5/30/12 CONTRACT NO. XY2245185 DESIGNED BY R.R.Z. COUNTY MONTGOMERY DRAWN BY R.C. LOGMILE 16019714.64 CHECKED BY TMS NO. L218 F.A.P. NO. TOD NO. TS NO. 1847K DRAWING NO. 4 OF 4 SHEET NO. OF

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

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