

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing strain pole Traffic Control Signal with interconnect at the intersection of MD 214 (Central Ave) and Addison Road in Prince George's County. The west leg of this intersection is to be widened necessitating the relocation of two pedestal poles and several traffic signs along MD 214 (Central Ave). MD 214 (Central Ave) 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 214 (Central Ave) approaches running concurrently. Exclusive left turn phases shall continue to be provided for both approaches of MD 214 (Central Ave). The Countdown pedestrian phases with audible pushbutton actuation across both legs of MD 214 (Central Ave) shall remain in operation. The Countdown pedestrian phases with audible pushbuttons across Addison Road shall remain on recall. The Addison Road approaches shall continue to operate as a side street split phase.
2. The full-traffic-actuated, eight-phase controller with video interface, L.A.U. and L.A.U. Panel, 2-wire Control Unit and 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 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. Felicia Murphy, Assistant District Engineer - Traffic, Phone: (301) 513-7404
Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630
Mr. Vernon Stinnett, District Engineer - Maintenance, Phone: (301) 513-7304
Mr. Ed Rodenhizer, Manager, Signal Operations Section, 410-787-7652
Mr. Victor Grafton, Assistant District Engineer - Utility, Phone: (301) 513-7350
Sonny Bailey, Manager, Sign Shop Operations, 410-787-7676

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA

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

Table with columns: SPEC. NUMBER, DESCRIPTION, QUANTITY. Includes items like 16" one-way LED signal head, test pit excavation, concrete foundations, and various traffic signs.

EQUIPMENT LIST (CONT.)

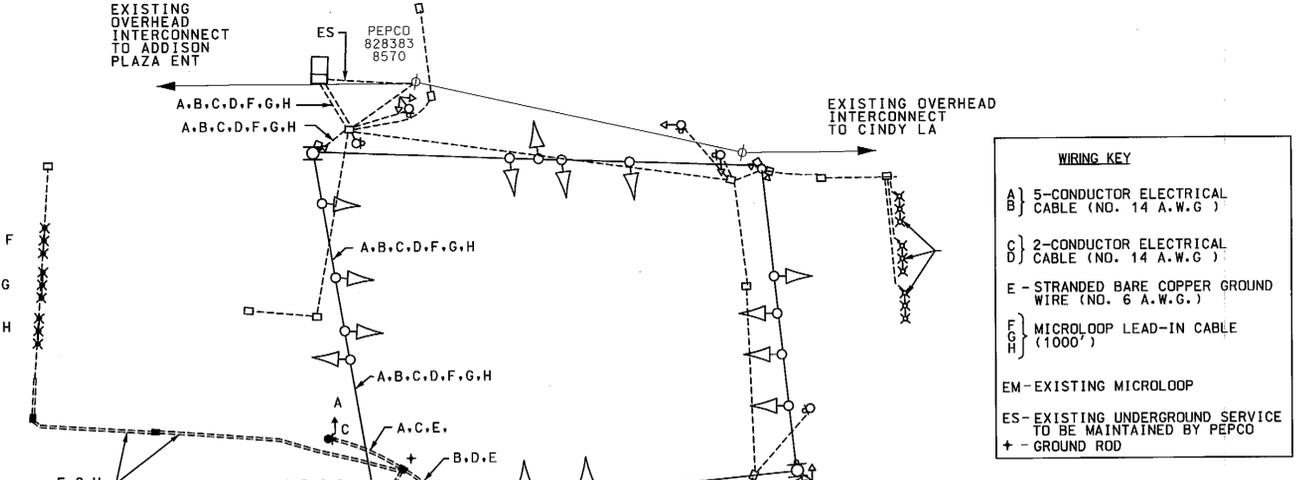
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

Table with columns: SPEC. NUMBER, DESCRIPTION, QUANTITY. Includes items like overhead mounted sheet aluminum sign, thermoplastic pavement marking, electrical handholes, cables, and sign supports.

PHASE CHART

Phase chart table showing traffic phases (1-23) and their corresponding signal states (G, R, Y, G, R, Y) for various approaches and changes.

WIRING DIAGRAM



WIRING KEY: A) 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), B) 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), C) 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), D) 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.), E - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.), F, G, H) MICROLOOP LEAD-IN CABLE (1000'), EM - EXISTING MICROLOOP, ES - EXISTING UNDERGROUND SERVICE TO BE MAINTAINED BY PEPCO, + - GROUND ROD

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

MD 214 (CENTRAL AVE) AND ADDISON ROAD SEAT PLEASANT, MD

GENERAL INFORMATION SHEET

Table with project details: SCALE NONE, DATE 12/16/2010, CONTRACT NO. BW966M82, DESIGNED BY R.R.Z., COUNTY PRINCE GEORGE'S, DRAWN BY R.C., LOGMILE 16021400.87, CHECKED BY [Signature], TMS NO. 1528, F.A.P. NO., TOD NO.

STREET TRAFFIC STUDIES, LTD. 400 Crain Hwy., NW, Glen Burnie, MD 21061 Ph (410) 590-5920 Fax (410) 590-6637

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