

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal by replacing the existing signal heads with LED signal heads, adding video detection for north and south bound MD 707, adding video detection for east and west bound left turn phases and installing non-invasive probes for east and west bound US 50. US 50 is assumed to run in an east - west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA six-phase, semi-actuated mode, with the east and west bound approaches running concurrently and the north and south approaches running as a split phase mode.
2. The existing full-traffic-actuated, eight-phase controller 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) 787-7650 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 #1 are as follows:

Mr. Gene Coffell Assistant District Engineer - Traffic Phone: (410) 677-4040

Mr. James R. Wright Assistant District Engineer - Maintenance Phone: (410) 677-4010

Mr. Bruce Poole Assistant District Engineer - Utility Phone: (410) 677-4082

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

Mr. Ed Rodenhizer Signal Shop 410-787-7652

Sonny Bailey Sign Shop 410-787-7670

The power company representative is:

Mr. Rodney Bane Delmarva Power 2530 N. Salisbury Blvd. - PO Box 1739 Salisbury, MD 218021739 1-410-860-6242

EQUIPMENT LIST

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Row 1: 9086 VIDEO INTERFACE PANEL 1-4 CAMERAS 1 E.A.

EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with 3 columns: ITEM NO., DESCRIPTION, QUANTITY. Rows include: 1001 MAINTENANCE OF TRAFFIC 1 E.A., 8001 12" LED SIGNAL SECTION 40 E.A., 8004 8" LED SIGNAL SECTION 6 E.A., 8014 REMOVE & DISPOSE OF EQUIPMENT 1 E.A., 8018 UP TO 4" SCHEDULE 80 PVC CONDUIT-BORED 120 L.F., 8030 F&I ELECTRICAL HANDHOLE 2 E.A., 8033 VIDEO DETECTION CAMERA AND CABLE 500' 5 E.A., NEG SAW CUT 190 L.F., NEG NON-INVASIVE MICROLOOP PROBE SET 5 E.A.

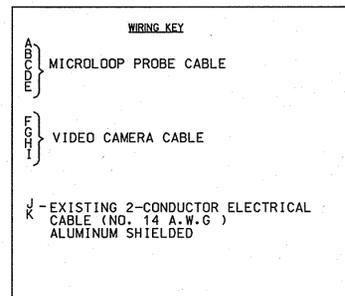
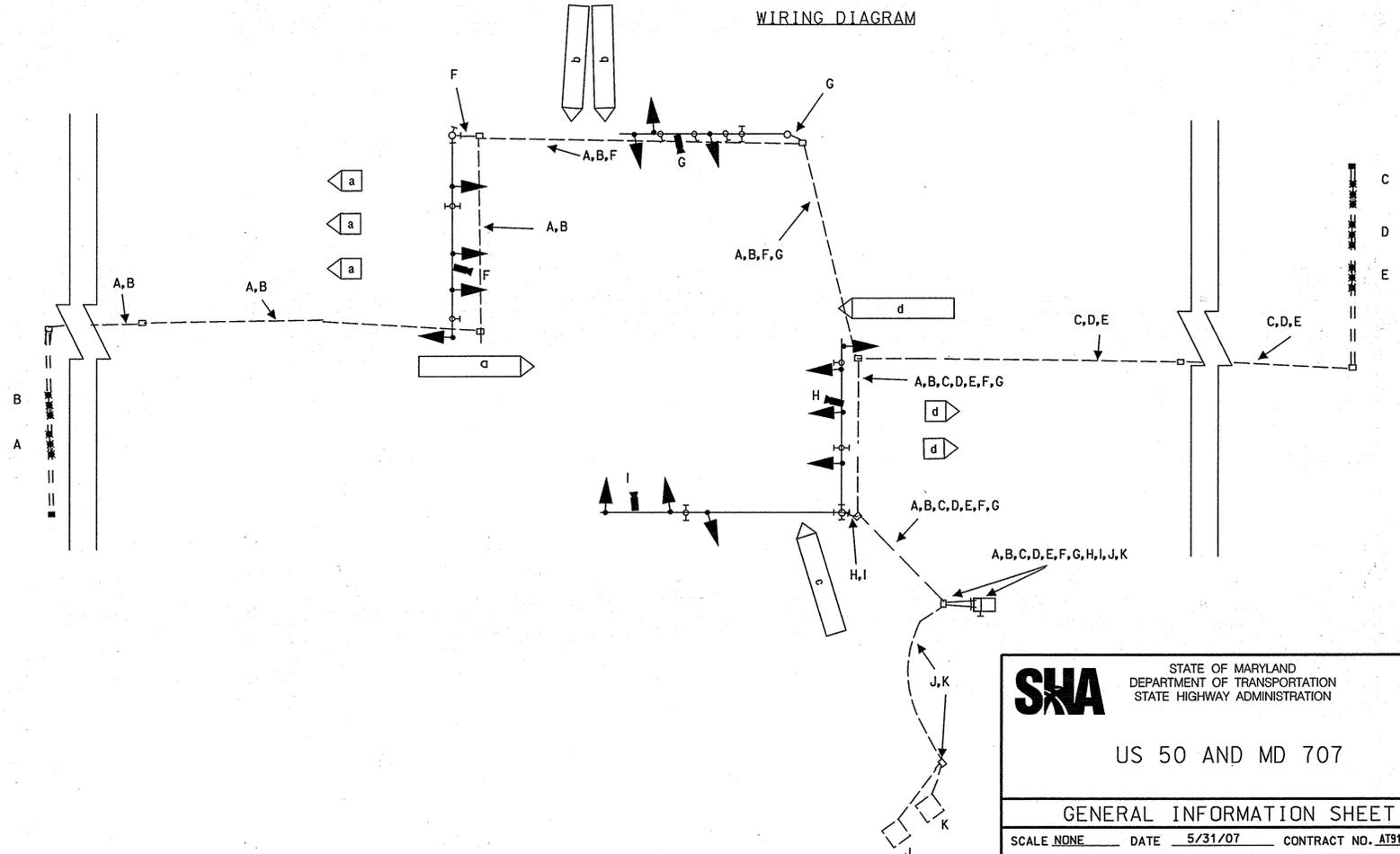
C. EQUIPMENT TO BE REMOVED

Any removed materials are to become property of the contractor.

SEQUENCE CHART

Sequence chart table with columns 1-14 and rows for Phase 1 & 5, Phase 1 & 6, Phase 2 & 5, Phase 2 & 6, Phase 3, Phase 4, Flashing, and Operation. Includes signal phase indicators and changeover notes.

WIRING DIAGRAM



SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION US 50 AND MD 707 GENERAL INFORMATION SHEET SCALE NONE DATE 5/31/07 CONTRACT NO. AT9155185 DESIGNED BY COUNTY DRAWN BY LOGMILE CHECKED BY TMS NO. F.A.P. NO. TOD NO. TS NO. 2375B DRAWING NO. 2 OF 2 SHEET NO. OF