

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT IS LOCATED AT THE INTERSECTION OF I-695 AND MD 26 IN BALTIMORE COUNTY, MARYLAND AND INVOLVES ROADWAY IMPROVEMENTS, THE CONSTRUCTION OF A NEW SIGNAL THAT IS EFFECTED BY THESE IMPROVEMENTS, AND INTERCONNECTING EXISTING SIGNALS AT MD 26 AND WASHINGTON AVENUE, AND MD 26 AND CROYDON ROAD WITH THE PROPOSED SIGNAL. MD 26 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

II. INTERSECTION OPERATION

THE PROPOSED TRAFFIC SIGNAL WILL OPERATE IN A NEMA FOUR (4) PHASE, FULLY TRAFFIC ACTUATED MODE. THE MD 26 EASTBOUND APPROACH WILL OPERATE SEPARATELY. THE I-695 OFF RAMP APPROACH WILL OPERATE SEPERATE.

A NEW EIGHT PHASE FULLY TRAFFIC ACTUATED CONTROLLER WITH TWO (2) FOUR CHANNEL RACK MOUNTED LOOP DETECTOR AMPLIFIERS, TELEMETRY MODULE, HOUSED IN A NEMA SIZE SIX (6) BASE MOUNTED CABINET.

III. SPECIAL NOTES

- THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE CABINET AT MD 26 AND I-695 OFF RAMP. ALL CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. EDWARD RODENHIZER, SHA SIGNAL SHOP AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.
- MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.00 TO 104.00-12, 104.02-01, 104.03-01

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|-----------|---|
| 900001 | 1 EA | FURNISH NEMA 6 BASE MOUNTED CABINET & CONTROLLER |
| 900001 | 4 EA | 12" I-WAY, 3-SECTION (R,Y,G) TRAFFIC SIGNAL HEAD (POLYCARBONATE) - MAST ARM MOUNT |
| 900001 | 1 EA | 12" I-WAY, 3-SECTION (R,Y,G) TRAFFIC SIGNAL (POLYCARBONATE) - POLE MOUNT |
| 900001 | 2 EA | FOR CHANNEL RACK MOUNTED LOOP DETECTOR AMPLIFIER |
| 900001 | 80.875 SF | SHEET ALUMINUM SIGNS |
| - | 1 EA. | R3-1 SIGN (30 IN X 30 IN.) 'NO RIGHT TURN' |
| - | 1 EA. | SHIELD ASSEMBLY 'EAST, MD 26, RIGHT ARROW @ 90 (30 IN. X 51 IN.) - GROUND MOUNT |
| - | 4 EA. | W3-3 SIGN (48" X 48") 'SIGNAL AHEAD' |

B. EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR (ITEMS SHOWN BELOW ARE FOR TRAFFIC SIGNAL WORK AND DO NOT INCLUDE LIGHTING AND SIGNING ITEMS. SEE LIGHTING AND SIGNING PLANS FOR ADDITIONAL ITEMS.)

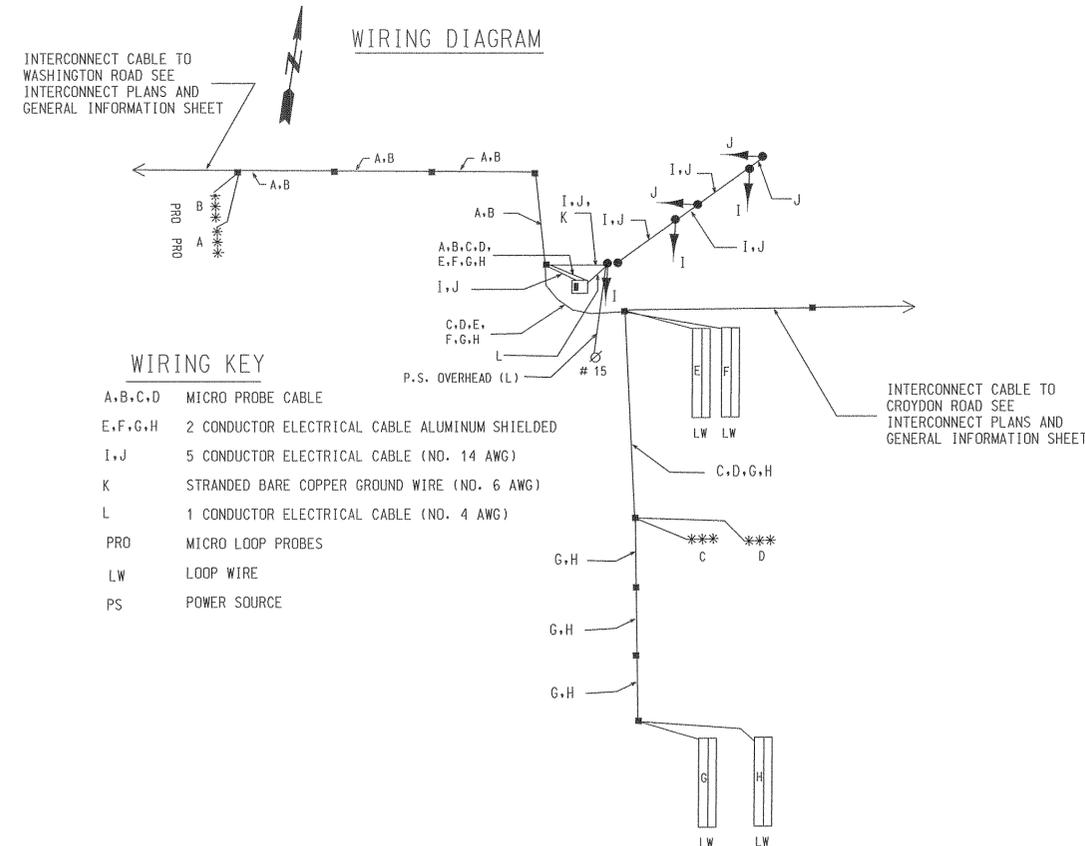
| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|-----------|---|
| 203030 | 2 CY | TEST PIT EXCAVATION |
| 585443 | 185 LF | FURNISH AND INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (CROSSWALK) |
| 585445 | 60 LF | FURNISH AND INSTALL 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOP BAR) |
| 801004 | 6.65 C.Y. | FURNISH AND INSTALL CONCRETE SIGNAL FOUNDATION |
| 805011 | 40 LF | FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE |
| 805105 | 10 LF | FURNISH AND INSTALL 2 IN. SCHEDULE 80 PVC CONDUIT - BORED |
| 805125 | 440 LF | FURNISH AND INSTALL 2 IN. SCHEDULE 80 PVC CONDUIT - TRENCHED |
| 805135 | 1400 LF | FURNISH AND INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT - TRENCHED |
| 805115 | 250 LF | FURNISH AND INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT - BORED |
| 805140 | 30 LF | FURNISH AND INSTALL 4 IN. SCHEDULE 80 PVC CONDUIT - TRENCHED |
| 805150 | 220 LF | FURNISH AND INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT - SLOTTED |
| 805160 | 30 LF | FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SLEEVE |
| 811001 | 27 EA | FURNISH AND INSTALL HANDHOLE |
| 813014 | 74.625 LF | INSTALL GROUND MOUNT SIGN |
| 813015 | 6.25 SF | INSTALL OVERHEAD SIGN |
| 832020 | 30 LF | FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG) |
| 838003 | 1 EA | FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT (120/240V, 1 PH, 3 W) |
| 860220 | 4 EA | INSTALL SIGNAL HEAD ANY TYPE- MAST ARM MOUNT |
| 860260 | 1 EA | INSTALL SIGNAL HEAD - POLE MOUNT |
| 861104 | 1100 LF | FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR ALUMINUM SHIELDED |
| 861107 | 250 LF | FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR NO 14 AWG |
| 862101 | 1400 LF | FURNISH AND INSTALL LOOP WIRE IN FLEXIBLE TUBING |
| 862102 | 500 LF | FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR) |
| 800000 | 4 EA | FURNISH AND INSTALL MICROLOOP PROBE SET 500 FT. LEAD IN. |
| 871202 | 1 EA | INSTALL NEMA 6 BASE MOUNTED CABINET |
| 800000 | 1 EA | FURNISH AND INSTALL STEEL POLE 27' W/ 70 FT. MAST ARM |
| 837001 | 2 EA | FURNISH AND INSTALL 3/4" φ 10' GROUND ROD |
| 810010 | 80 LF | FURNISH AND INSTALL ELECTRICAL CABLE 1 CONDUCTOR NO 4 AWG OVERHEAD |
| 801104 | 90 LF | FURNISH AND INSTALL WOOD SIGN SUPPORT 4" X 4" |
| 822001 | 1300 LF | FURNISH AND INSTALL 12 PAIR COMMUNICATION CABLE OVERHEAD |
| 822002 | 1900 LF | FURNISH AND INSTALL 12 PAIR COMM. CABLE JELLY FILLED UNDERGROUND |
| 800000 | 30 LF | FURNISH AND INSTALL 3" GALVANIZED RISER W/ 3" ELBOW |
| 800000 | 1 EA | FURNISH AND INSTALL 3" WEATHERHEAD |
| 869102 | 1300 LF | FURNISH AND INSTALL STEEL SPAN WIRE 3/8" DIAMETER |

THE FOLLOWING CONTACT PERSONS FOR DISTRICT # 4 ARE AS FOLLOWS:

- Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
(410) 787-7630
- Mr. Randall Scott
Asst. District Engineer - Traffic
(410) 321-2781
- Mr. Joseph McMahon
Acting Engineer - Utility
(410) 321-2841
- Mr. David Malkowski
District Engineer
(410) 321-2810
- Mr. Dave Ramsey
Asst. District Engineer - Maintenance
(410) 321-2761

The Power Company Representative is:

BALTIMORE GAS AND ELECTRIC COMPANY
7317 PARKWAY DRIVE SOUTH
BALTIMORE MARYLAND 21076
(410) 859-9030



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| <p>REVISIONS</p> | <p>APPROVALS</p> | <p>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION</p> | |
| | <p>DESIGN SECTION</p> | | |
| | <p>ASST. DISTRICT ENGINEER, TRAFFIC</p> | | |
| | <p>CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION</p> | | |
| <p>DIRECTOR, TRAFFIC & SAFETY</p> | <p>DRAWN BY: R. LLEWELLYN CHK. BY: C. MUNZ SCALE: 1" = 20' DATE: 12/99</p> | <p>F.A.P. NO. _____ S.H.A. NO. BA3115176 COUNTY BALTIMORE</p> | <p>TS NO. G.I. 3873 SHEET NO. 18 OF 19</p> |

I-695 INNER LOOP RAMP TO EASTBOUND MD 26
GENERAL INFORMATION SHEET
LOG MILE: 030026008.40

