



CONSTRUCTION DETAILS

- A. INSTALL 27 FT. STEEL MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL 27 FT. STEEL MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- E. INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE PER BY BGE.
- F. INSTALL HANDHOLE.
- G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- L. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PERFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- M. INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3).
- N. INSTALL GROUND MOUNTED SIGN.
- O. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- TRENCHED WITH PULL STRING.
- P. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- TRENCHED.
- Q. REMOVE EXISTING STREET LIGHTING AND POLE AND DISCONNECT AND REMOVE ELECTRICAL SERVICE PEDESTAL.

GENERAL NOTES

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
6. ALL UNUSED CABLE SHALL BE REMOVED.

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

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GEOMETRIC LEGEND
--- EXISTING
--- PROPOSED

UTILITY LEGEND
--- SD --- STORM DRAIN
--- G --- GAS MAIN
--- W --- WATER MAIN
--- S --- SEWER MAIN
--- E --- ELECTRIC CABLES
--- A --- AERIAL CABLES
--- T --- TELEPHONE CABLES
--- F --- FIBER-OPTIC

APPROVALS	REVISIONS
<p>DESIGNED BY: <i>Frank Hoackel</i> 8-24-10</p> <p>TEAM LEADER: <i>Frank Hoackel</i> 8-24-10</p> <p>ASST. DIV. CHIEF: <i>Cheryl Steuber</i> 8-27-10</p> <p>DIVISION CHIEF: <i>Cheryl Steuber</i> 8/25/10</p> <p>OFFICE DIRECTOR: <i>Cheryl Steuber</i> 8/25/10</p>	<p>1. 2. 3. 6. 7. 4. 5. 8. 9. 12. 15 10. 11. 13. 14</p> <p>12" L.E.D. 12" L.E.D. 12" L.E.D.</p>

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE August 19, 2010 CONTRACT NO. BW996MR2

DESIGNED BY: Frank Hoackel COUNTY: Harford
DRAWN BY: Frank Hoackel LOGMILE: 12054302.16
CHECKED BY: TMS NO. K-007
F.A.P. NO. N/A TOD NO.

TS NO. 4767 DRAWING SG-01 OF 01 SHEET NO. 1 OF 2