

Manet12300007

Border Rev. Date:



BY: \$USERNAME\$

### PROJECT DESCRIPTION

#### GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 355 (ROCKVILLE PIKE) SB AND HALPINE ROAD.

LANES MONITORED - 1 DEDICATED LEFT, 2 THRU, AND 1 RIGHT/THRU.

#### INTERSECTION OPERATION

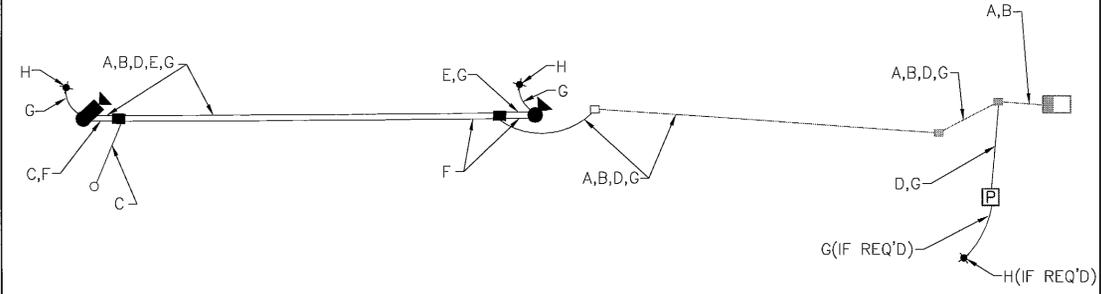
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

#### EQUIPMENT LIST

- A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION  
NONE
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
250	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
300	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE (FOR LANE 1 LEFT HAND TURN LANE)
300	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE (FOR THRU LANES)
3	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
300	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
2	EA	SENSYS RECEIVER ASSEMBLY
125	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
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125	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
125	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
300	LF	STRANDED BARE COPPER GROUND WIRE (NO.6 AWG)

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL



#### WIRING KEY

- A 7-CONDUCTOR CABLE (NO. 14 AWG)THRU LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- G STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- H PROPOSED GROUNDING ROD

NOTE: GROUNDING ROD AND STRANDED BARE COPPER GROUND WIRE (NO.6 AWG) MAY BE OMITTED AT EXISTING POWER PEDESTAL IF CONTRACTOR CAN VERIFY THAT EXISTING POWER PEDESTAL IS GROUNDED PER SHA STANDARDS.



#### GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
  - \* MONTGOMERY COUNTY ENGINEER - KAMAL HAMUD 240-777-8761
  - \* MONTGOMERY COUNTY TECHNICIAN SUPERVISOR ROBERT RICKETS 240-876-3681
6. CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.
  - \* SHA INSPECTION TEAM LEADER - ADRIAN PUGH 410-787-7645

Red Light Camera  
BW313M83  
MD 355 @ Halpine Road

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
WIRING KEY  
MD 355 (ROCKVILLE PIKE) SB AND HALPINE ROAD

APPROVALS	REVISIONS	SCALE	ADVERTISED DATE	CONTRACT NO.
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	① RED LIGHT CAMERA INSTALLATION TMS #1438 05/18/12 JSC E 7/12/07 RECONSTRUCT TRAFFIC SIGNAL MAST ARMS/APS SHA# AT9105195 D 8/2005 REPLACE LOOP DETECTORS WITH VIDEO SHA# AT7245195	DESIGNED BY _____	COUNTY	MONTGOMERY
		DRAWN BY _____	LOGMILE	15035507.36
		CHECKED BY _____	TMS NO.	
		F.A.P. NO. _____	TOD NO.	
		DRAWING NO. 1076 F -	OF	SHEET NO. 2 OF 2

PLOTTED: \$DATE\$  
FILE: \$FILE\$

**ACS**  
A XEROX Company  
12410 MILESTONE CENTER DR. 4TH FLOOR  
GERMANTOWN, MD 20876