

March 27/2012

Boiler 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 97 (GEORGIA AVE.) SB AT MD 28 (NORBECK RD.).

LANES MONITORED - 2 DEDICATED LEFT, 3 THRU AND 1 DEDICATED RIGHT.

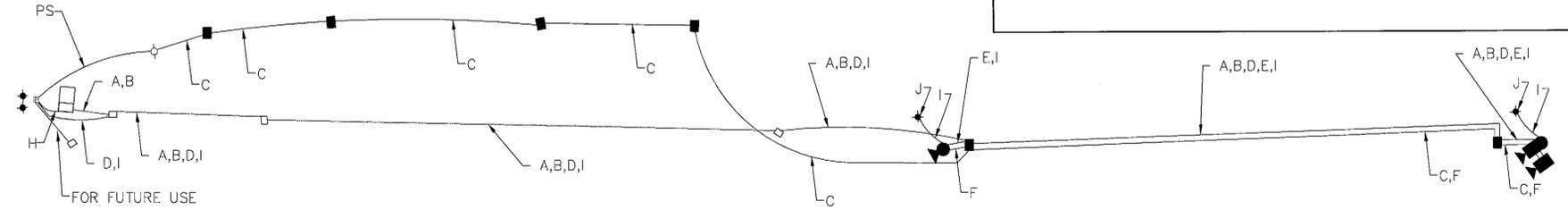
INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

EQUIPMENT LIST

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

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC MOBILIZATION
LUMP SUM	LS	
2	CY	TEST PIT EXCAVATION
2	EA	RLCS-1 CAMERA ASSEMBLY
1	EA	CAMERA ATTACHMENT BRACKET
2	EA	RLCS-1 FLASH ASSEMBLY
2	EA	SENSYS RECEIVER ASSEMBLY
1	EA	20' PEDESTAL POLE
1	EA	14' PEDESTAL POLE
1	EA	CAMERA BRACKET
1	EA	100 AMP METER SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN
6	EA	#5 PULL BOXES
620	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
145	LF	4 IN PVC CONDUIT (SCHEDULE 80) - BORED
875	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
4	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
445	LF	POWER (6) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND) CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
700	LF	115 V POWER 4 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
350	LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
445	LF	(3) 1-CONDUCTOR CABLE (NO. 8 AWG)
25	LF	CONCRETE FOR PEDESTAL POLE FOUNDATIONS
4.00	CY	(1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH



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 (6) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- H (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- I STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- J PROPOSED GROUND ROD - 3/4 IN. X 10 FT. LENGTH
- PS PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO

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

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 28 @ MD 97



Wayne Greer
7/24/12

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 97 (GEORGIA AVE.) SB AT MD 28 (NORBECK RD.)
NORBECK, MD.

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

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A --- A
ELECTRIC	E --- E
TELEPHONE	T --- T
GAS	G --- G
SEWER	S --- S
WATER	W --- W
CABLE TV	TV --- TV

APPROVALS	REVISIONS	SCALE	ADVERTISED DATE	CONTRACT NO.
<div style="border: 1px solid black; padding: 5px; text-align: center;">ORIGINAL ON FILE</div>	① RED LIGHT CAMERA INSTALLATION TMS # L427 07/23/2012	NONE		
	DESIGNED BY	COUNTY	MONTGOMERY COUNTY	
	DRAWN BY	LOGMILE	15009708.82	
	CHECKED BY	TMS NO.	J367X	
DIVISION CHIEF	F.A.P. NO.		TOD NO.	
OFFICE DIRECTOR	DRAWING NO.		OF	SHEET NO. 2 OF 2

PLOTTED: \$DATETIMES
FILE: \$FILES