

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 122 (SECURITY BLVD.) AND WHITEHEAD RD.

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.

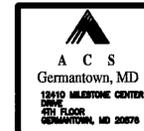
QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
3	EA	RLCS-1 FLASH ASSEMBLY
50	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED (INCLUDE JET LINE PULL WIRE)
100	LF	4 IN PVC CONDUIT (SCHEDULE 80) - BORED
175	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
150	LF	2 IN PVC CONDUIT (SCHEDULE 80) - BORED
250	LF	115 V POWER SIGNAL PHASE 4 CONDUCTOR (#14) CABLE (FOR LANE 1 LEFT HAND TURN LANE)
250	LF	115 V POWER SIGNAL PHASE-4 CONDUCTOR (#14) CABLE (FOR LANE THRU LANES)
3	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
275	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
1	EA	SENSYS RECEIVER ASSEMBLY
125	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
125	LF	ALPHA #6033 3 PAIR 20 AWG (SHIELDED)
125	LF	ALPHA #6033 3 PAIR 20 AWG (SHIELDED)
125	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
1	EA	METERED SERVICE PEDESTAL
325	LF	#6 STRANDED GROUND WIRE

SHA No: BW313M83
MD 122 @ Whitehead Ct./Whitehead Rd
Installation of Red Light Camera

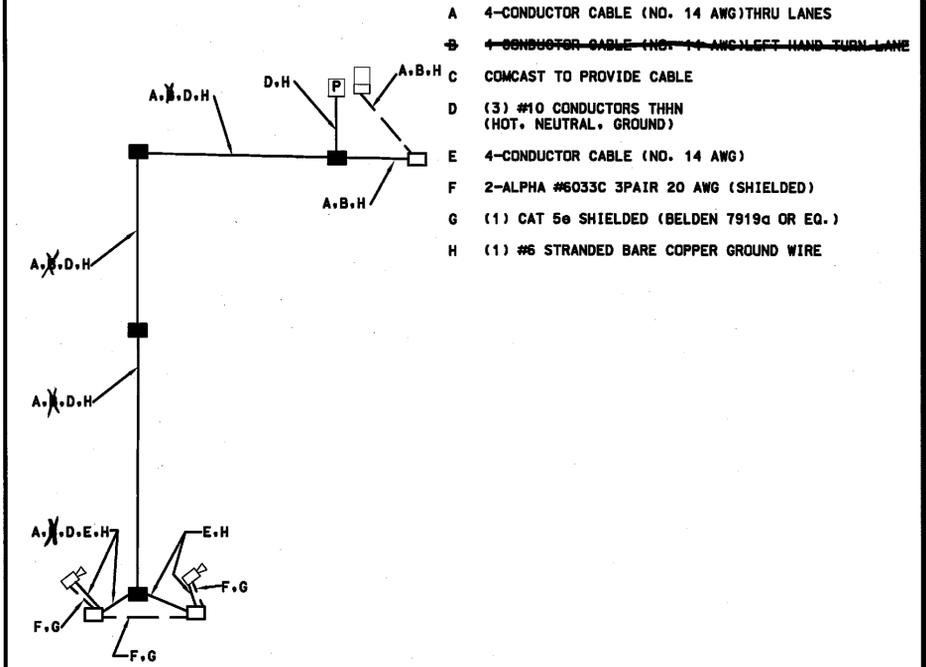


GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY 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 MR. ED RODENHIZER AT (410) 787-7650 AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
6. CONTACT MR. ROBERT SNYDER AT (410) 787-7630 AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.



WIRING KEY



- A 4-CONDUCTOR CABLE (NO. 14 AWG) THRU LANES
- B 4-CONDUCTOR CABLE (NO. 14 AWG) LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E 4-CONDUCTOR CABLE (NO. 14 AWG)
- F 2-ALPHA #6033C 3PAIR 20 AWG (SHIELDED)
- G (1) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- H (1) #6 STRANDED BARE COPPER GROUND WIRE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 + 5	←G	←G	R	R	←G	←G	R	R	R	R	R	R	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6													
PHASE 1 + 6	←G	←G	G	G	←R	←R	R	R	R	R	R	R	DW	DW
1 + 6 CHANGE	←Y	←Y	G	G	←R	←R	R	R	R	R	R	R	DW	DW
PHASE 2 + 5	←R	←R	R	R	←G	←G	G	G	R	R	R	R	DW	DW
2 + 5 CHANGE	←R	←R	R	R	←Y	←Y	G	G	R	R	R	R	DW	DW
PHASE 2 + 6	←R	←R	G	G	←R	←R	G	G	R	R	R	R	DW	DW
2 + 6 CHANGE	←R	←R	Y	Y	←R	←R	Y	Y	R	R	R	R	DW	DW
PHASE 4 + 8	←R	←R	R	R	←R	←R	R	R	G	G	G	G	DW	DW
4 + 8 CHANGE	←R	←R	R	R	←R	←R	R	R	Y	Y	Y	Y	DW	DW
PHASE 4 + 8 ALT	←R	←R	R	R	←R	←R	R	R	G	G	G	G	WK	WK
PED CLEARANCE	←R	←R	R	R	←R	←R	R	R	G	G	G	G	FL/DW	FL/DW
4 + 8 ALT CHANGE	←R	←R	R	R	←R	←R	R	R	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	←FL/R	←FL/R	FL/Y	FL/Y	←FL/R	←FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 122 AND WHITEHEAD ROAD/ COURT
GENERAL INFORMATION SHEET

GENERAL INFORMATION SHEET

SCALE NONE	DATE	CONTRACT NO.
DESIGNED BY _____	COUNTY BALTIMORE	
DRAWN BY _____	LOGMILE 03012200.79	
CHECKED BY _____	TIMS NO. <i>K234</i>	
FAP NO. _____	TOD NO. _____	

753889