

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 45 (YORK ROAD) AND SCOTT ADAM ROAD.
INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

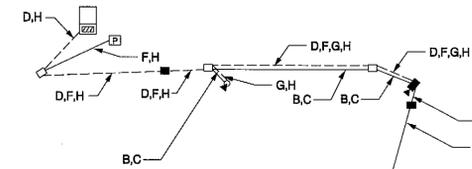
EQUIPMENT LIST

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
150	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
350	LF	2 IN PVC CONDUIT (SCHEDULE 80) - BORED
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
250	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
1	EA	SENSYS RECEIVER ASSEMBLY
75	LF	CAT 5e SHIELDED (BELDEN 7919A OR APPROVED EQUIVALENT)
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75	LF	CAT 5e SHIELDED (BELDEN 7919A OR APPROVED EQUIVALENT)
75	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
215	LF	#6 STRANDED GROUND WIRE

WIRING DIAGRAM



WIRING KEY

- A COMCAST TO PROVIDE CABLE
- B (2) CAT 5e SHIELDED (BELDEN 7919A OR APPROVED EQUIVALENT)
- C (1) CAT 5e SHIELDED (BELDEN 7919A OR APPROVED EQUIVALENT)
- D 4- CONDUCTOR CABLE (NO. 14 AWG) THRU LANES
- E NOT USED
- F (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- G 4- CONDUCTOR CABLE (NO. 14 AWG)
- H (1) #6 STRANDED BARE COPPER GROUND WIRE

SHA No: BW313M83
MD 45 @ Scott Adam Road

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.

PHASING CHART

	1	2	3	4	5	6	7	8
	R	R	R	R	R	R	R	R
	Y	Y	Y	Y	Y	Y	Y	Y
	G	G	G	G	G	G	G	G
PHASE 2 & 6	G	G	G	G	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R
PHASE 4 & 8	R	R	R	R	G	G	G	G
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR

Wayne
7/23/10

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 45 AND SCOTT ADAM ROAD
(COCKEYSVILLE, MD)

ACS
Germantown, MD
12410 MILESTONE CENTER DRIVE
4TH FLOOR
GERMANTOWN, MD 20876

REVISIONS		GENERAL INFORMATION PLAN	
BRD	NML	SCALE	NONE
⑤	RED LIGHT CAMERA INSTALLATION UPGRADE	DATE	2-5-09
120809	SHA#	CONTRACT NO.	X
		DESIGNED BY	T. ZAYDEL
		COUNTY	BALTIMORE
		DRAWN BY	J.K. SCHMID
		LOGMILE	03004507.37
		CHECKED BY	S. RENZI
		T.I.M.S. NO.	K234
		F.A.P. NO.	N/A
		TOD NO.	
		DRAWING NO.	TS-261/G
		SHEET NO.	2 OF 2

FILE PATH: \$FILES TS261
DATE: \$DATES

DRILL HOLES

DRILL HOLES

DRILL HOLES