

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 173 and Pittman Road in Anne Arundel County. Existing detection and signal heads will be upgraded and a new cabinet and controller will be installed. MD 173 is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- The intersection operates in a fully-actuated mode using three phases. There are no left turn phases at this intersection.
- A new NEMA full-traffic-actuated, eight (8) phase Master controller housed in a Type S base mounted cabinet shall be installed at this intersection under this project.

PHASE CHART

	1	2	3	4	5	6	7
	(R)						
	(Y)						
	(G)						
PHASE 2 AND 6	G	G	G	G	G	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	R	G	G
4 CHANGE	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

DISTRICT

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-841-1019

MR. MIKE HUBER
UTILITY ENGINEER
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MR. JAMES FOLDEN
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ASSISTANT DISTRICT ENGINEER - MAINTENANCE
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CONTACTS

OFFICE OF TRAFFIC AND SAFETY

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ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
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MR. ED RODENHIZER
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MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
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MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

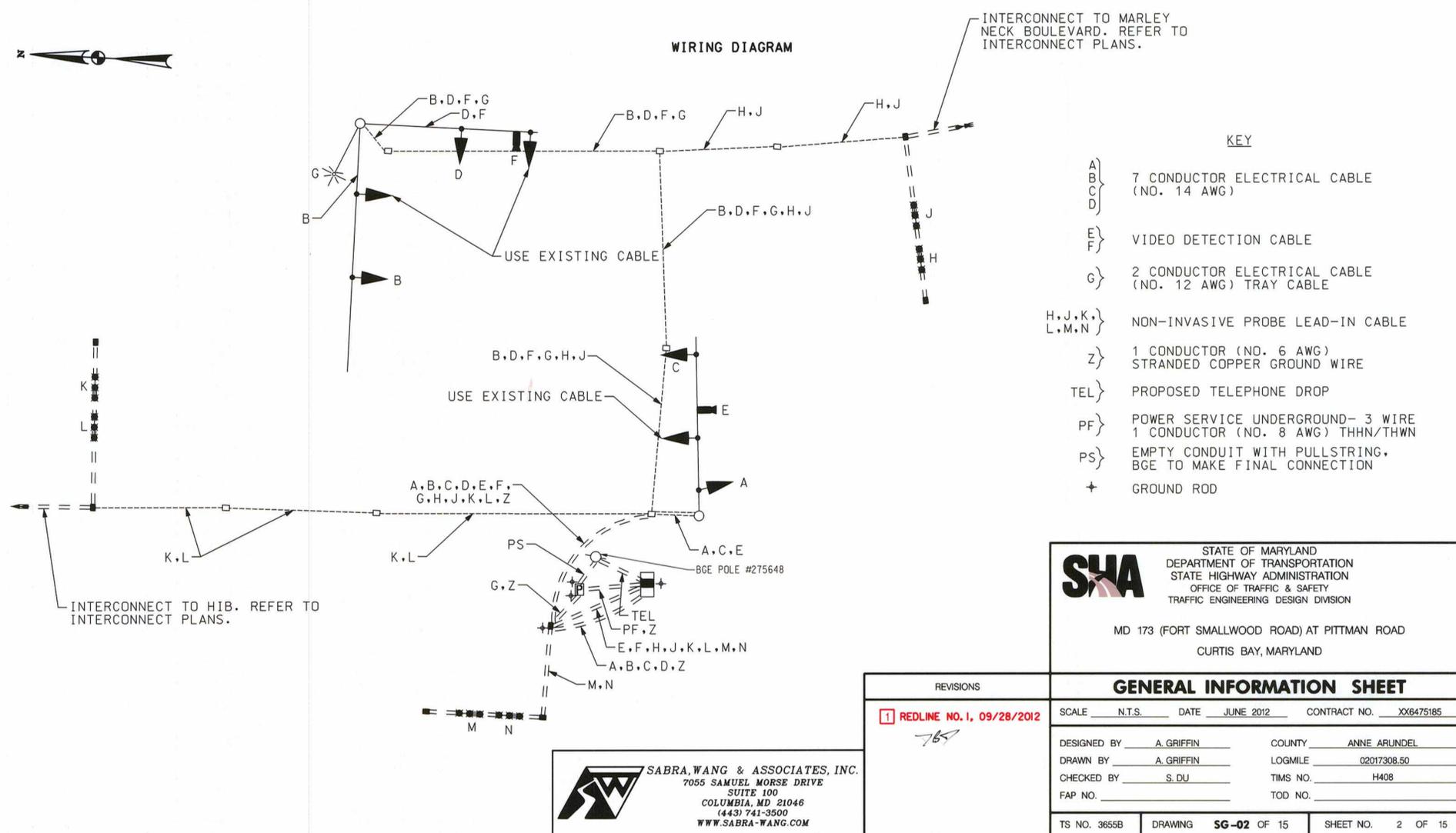
A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9104	CONTROLLER CABINET, SIZE "S" WITH CONTROLLER & VIDEO DETECTION INTERFACE FOR 1-8 CAMERAS	EA	1
9570	SHEET ALUMINUM GROUND MOUNTED SIGNS CONSISTING OF: R4-7 (24" X 30") GROUND MOUNT	SF	5
9571	SHEET ALUMINUM POLE MOUNTED SIGNS CONSISTING OF: M1-5(4) (78" X 36") MAST ARM MOUNT	EA	19.5

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
2002	TEST PIT EXCAVATION	CY	1
5003	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LINES	LF	100
5005	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	LF	100
8001	12 INCH LED SIGNAL HEAD SECTION	EA	21
8012	EMBEDDED METERED SERVICE PEDESTAL	EA	1
8022	NON-INVASIVE DETECTOR (ANY LENGTH) LEAD-IN CABLE UP TO 1000'	EA	6
8023	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	EA	1
8028	VIDEO DETECTION CAMERA AND CABLE ANY LENGTH	EA	2
8034	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TYPE T/C	LF	300
8037	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED	LF	180
8038	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	165
8039	WOOD SIGN SUPPORTS UP TO 4" X 6"	LF	12
8040	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	SF	24.5
8042	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	60
8045	ELECTRICAL CABLE - 1 CONDUCTOR NO. 8 AWG-THHN/THWN	LF	40
8046	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	7
8056	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	875
8062	INSTALL CONTROLLER AND CABINET - BASE MOUNT (ANY SIZE)	EA	1
8036	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	80

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



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

MD 173 (FORT SMALLWOOD ROAD) AT PITTMAN ROAD
CURTIS BAY, MARYLAND

REVISIONS		GENERAL INFORMATION SHEET	
1	REDLINE NO. 1, 09/28/2012	SCALE	N.T.S.
		DATE	JUNE 2012
		CONTRACT NO.	XX6475185
DESIGNED BY	A. GRIFFIN	COUNTY	ANNE ARUNDEL
DRAWN BY	A. GRIFFIN	LOGMILE	02017308.50
CHECKED BY	S. DU	TIMS NO.	H408
FAP NO.		TOD NO.	
TS NO.	3655B	DRAWING	SG-02 OF 15
		SHEET NO.	2 OF 15

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