

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN EMERGENCY VEHICLE PRE-EMPTION TRAFFIC SIGNAL AT MD 6 AND CALVERT STREET IN CHARLES COUNTY, MD. THIS SIGNAL WILL BE INTERCONNECTED TO THE SIGNAL AT US 301 AND MD 6 TO THE WEST. PUSHBUTTONS INSTALLED AT THE RESCUE SQUAD CENTER WILL ACTIVATE THE SIGNAL.

MD 6 (E. CHARLES ST.) RUNS IN A EAST/WEST DIRECTION.

INTERSECTION OPERATION

THE PROPOSED SIGNAL WILL FLASH YELLOW FOR MD 6 AND RED FOR CALVERT STREET UNTIL ACTIVATED BY PUSHBUTTONS INSIDE THE RESCUE SQUAD, UPON ACTIVATION OF THE EMERGENCY PREEMPTION MODE THE SIGNAL WILL "QUICK FLASH" FOR MD 6 BEFORE SEQUENCING TO SOLID RED. CALVERT STREET WILL THEN FLASH YELLOW THEN SEQUENCE TO FLASHING RED.

SPECIAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.

ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY 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 SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

ALL CONTROLLER CABINET WIRING WILL BE PERFORMED BY THE S.H.A. SIGNAL SHOP CONTACT MR. ED RODENHIZER AT (410) 787-7650 SEVENTY-TWO HOURS IN ADVANCE OF INTENDED WORK.

EQUIPMENT LIST FOR AREAWIDE CONTRACT # XX4475185

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9042	1	EA	(UPDATED) CONTROLLER ASCII WITH TELEMETRY
9043	1	EA	(UPDATED) CONTROLLER CABINET SIZE 5
9571	18	SF	(UPDATED) SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	2	EA	W11-8 (36" x 36") WOOD SIGN SUPPORT MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1003	1	EA	MAINTENANCE OF TRAFFIC
2001	1	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT EXCAVATION
5005	60	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8003	6	EA	8 INCH LED SIGNAL HEAD SECTION
8006	1	EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE W/250 WATT HPS LAMP & LUMINAIRE
8018	1	EA	MAST ARM POLE & 50 FT MAST ARM ANY "T" DIMENSION
8021	1	EA	REMOVE AND DISPOSE MATERIAL & EQUIPMENT PER ASSIGNMENT
8028	1300	LF	12 PAIR COMMUNICATION CABLE SELF SUPPORTING
8029	60	EA	3 INCH ELECTRICAL CONDUIT - RISER
8034	55	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - SLOTTED
8035	230	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8036	30	LF	WOOD SIGN SUPPORTS UP TO 4 X 6
8038	18	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	50	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8042	1	EA	METERED SERVICE PEDESTAL EMBEDDED
8044	75	SF	ELECTRICAL CABLE - 1 CONDUCTOR (NO. 4 AWG) THHN/THWN
8046	3	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	12	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8054	1000	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8056	275	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8058	50	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TC
8064	1	EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT
8033	190	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED

PROJECT CONTACTS

The contact persons for District #5 are as follows:

Kimberly Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1019

John Mays
Assistant District Engineer - Maintenance
Phone: (410) 841-1013

Joe Horty
Utility Engineer
Phone: (410) 841-1031

Bob Snyder
Assistant Chief, Traffic Operations Division
Phone: (410) 787-7631

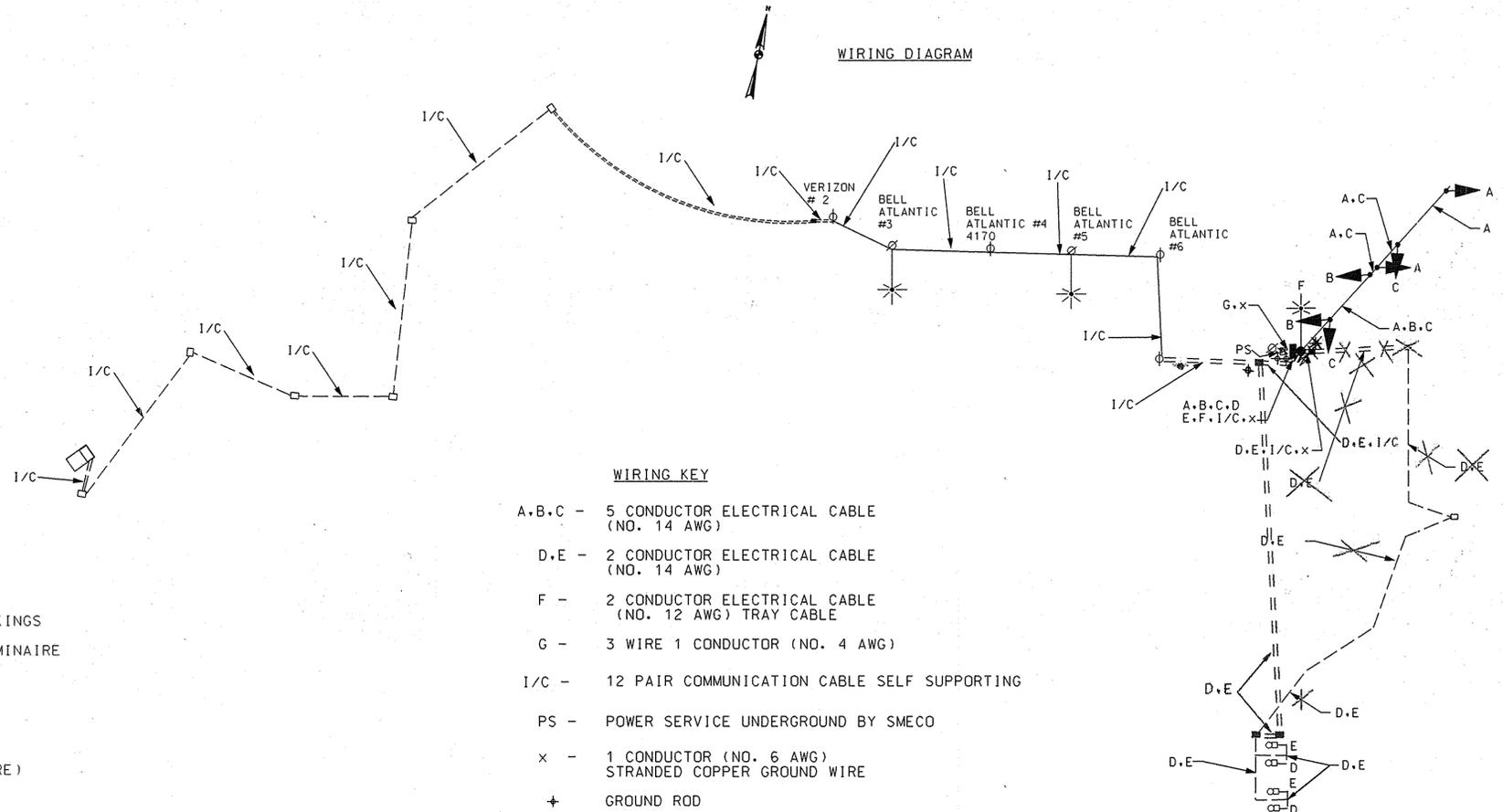
Ed Rodenhizer
Chief, Signal Operations, Traffic Operations Division
Phone: (410) 787-7650

SERVICE TO BE PROVIDED BY SMECO:
MR. STEVE MCGEE (301)705-8686

PHASE CHART

	1	2	3	4	5	6	
NORMAL FLASHING	R	R	R	R	R	R	← T →
MD 6 PRE-EMPTION	Y	Y	Y	Y	Y	Y	← T →
MD 6 PRE-EMPTION CHANGE	Y	Y	Y	Y	Y	Y	← T →
CALVERT ST PRE-EMPTION	R	R	R	R	8' FL/Y	8' FL/Y	↑ T
CALVERT ST PRE-EMPTION CHANGE	R	R	R	R	12' FL/Y	12' FL/Y	↑ T

WIRING DIAGRAM



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

MD 6 (E.CHARLES ST) AT CALVERT STREET
CHARLES COUNTY, MARYLAND

GENERAL INFORMATION SHEET

SCALE: N.T.S. ADVERTISED DATE: 5-30-08 CONTRACT NO. XX4475185

DESIGNED BY: M.SIMWENYI COUNTY: CHARLES
DRAWN BY: M.SIMWENYI LOGMILE: 08000625.52
CHECKED BY: J.BOLING TIMS NO. I-440
F.A.P. NO. TOD NO.

TS NO. 3241-B DRAWING NO. SHEET NO. 2 OF 3

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By: Robert