

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal at the intersection of MD 7 (Philadelphia Rd) and Rosedale Ave / Hamilton Ave in Baltimore County. Countdown pedestrian signal with audible pushbuttons shall be installed at this location. MD 7 (Philadelphia Rd) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the MD 7 (Philadelphia Rd) approaches running concurrently. Exclusive/Permissive left turn phases shall continue to be provided for both approaches of MD 7 (Philadelphia Rd). A new Countdown pedestrian phase with audible pushbutton actuation shall be provided across the east leg of MD 7 (Philadelphia Rd). The Rosedale Ave / Hamilton Ave approaches shall continue to operate as a side street split phase.
- The existing full-traffic-actuated, eight-phase controller with video interface and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.
- SHA signal shop shall install APS control unit into controller cabinet. The Contractor shall deliver the Control Unit and audible pushbuttons to the SHA Signal Shop for testing and programming.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- 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.

The contact persons for District #4 and SHA are as follows:

Ms. Erin Kuhn
Assistant District Engineer - Traffic
Phone: (410) 229-2381

Mr. Andre Futrell
Assistant District Engineer - Maintenance
Phone: (410) 229-2361

Mr. Mike Pasquariello
District Engineer - Utility
Phone: (410) 229-2341

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Manager, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Manager, Sign Shop Operations
410-787-7676

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9571	Sheet aluminum signs to consist of: 4 SF (mast arm or pole mount)	
	Pedestrian education R10-3(1) mod sign. (Note: Sign to read "PUSHBUTTON TO CROSS PHILADELPHIA ROAD".)	2 EA

EQUIPMENT LIST (CONT.)

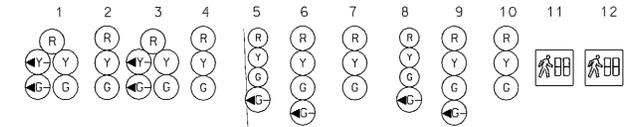
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	2 C.Y.
5004	12" white preformed thermoplastic pavement marking lines.	170 L.F.
6001	Standard type A combination curb and gutter 12" gutter pan 8" depth.	60 L.F.
6002	5" concrete sidewalk.	350 S.F.
6003	Detectable warning surface for curb ramps	34 S.F.
8002	2 wire Central Control unit	1 EA
8008	Audible/tactile pedestrian pushbutton station & signs.	2 EA
8009	Breakaway Pedestal pole (5').	1 EA
8009	Breakaway Pedestal pole (10').	1 EA
8015	LED 16" countdown pedestrian signal head.	2 EA
8038	Schedule 80 rigid PVC conduit up to 4" - trenched.	20 L.F.
8040	Install overhead or ground mounted sign (including all hardware).	4 S.F.
8042	No. 6 AWG stranded bare copper ground wire.	35 L.F.
8053	Electrical cable - 2 conductor (No. 14 AWG).	160 L.F.
8055	Electrical cable - 5 conductor (No. 14 AWG).	170 L.F.

C. EQUIPMENT TO BE REMOVED

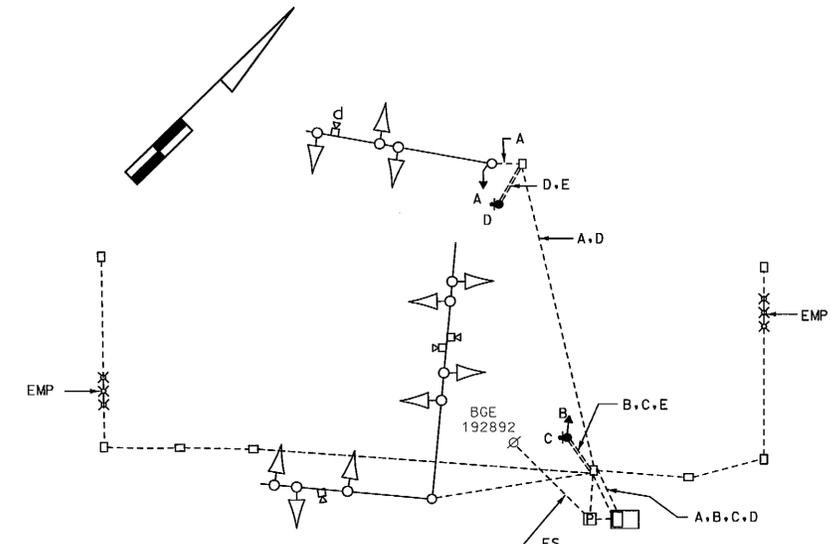
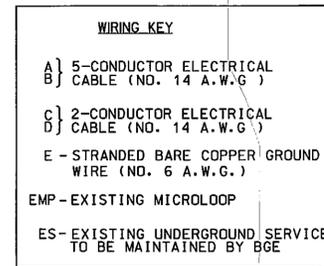
There is no signal equipment to be removed for this project.

PHASE CHART



PHASE	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 & 5	←G-R	R	←G-R	R	R	R	R	R	R	R	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6												
PHASE 1 & 6	←G-G	G	R	R	R	R	R	R	R	R	DW	DW
1 & 6 CHANGE	←Y-G	G	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 5	R	R	←G-G	G	R	R	R	R	R	R	DW	DW
2 & 5 CHANGE	R	R	←Y-G	G	R	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	R	R	R	R	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	←G-←G-	G	R	R	R	R	DW	DW
3 CHANGE	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
PHASE 4	R	R	R	R	R	R	R	←G-←G-	G	DW	DW	
4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 3 ALT	R	R	R	R	←G-←G-	←G-←G-	G	R	R	R	WK	WK
PED CLEAR / COUNTDOWN	R	R	R	R	←G-←G-	←G-←G-	G	R	R	R	FL/DW	FL/DW
3 ALT CHANGE	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

**MD 7 (PHILADELPHIA RD) AND
ROSEDALE AVE / HAMILTON AVE**
ROSEDALE, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 8/9/11 CONTRACT NO. XX6455185

DESIGNED BY ROB ZACHERL COUNTY BALTIMORE
DRAWN BY ROB CICCHINI LOGMILE 03000700.66
CHECKED BY _____ TMS NO. K753
F.A.P. NO. _____ TOD NO. _____

TS NO. 1653F DRAWING NO. 3 OF 3 SHEET NO. OF