PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES REPLACING ALL OF THE EXISTING SIGNAL HEADS WITH BLACKFACED LED SIGNAL HEADS.
US 13 RUNS IN A NORTH - SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION IS EQUIPPED WITH A EIGHT PHASE FULLY-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. THIS INTERSECTION WILL OPERATE IN A NEMA EIGHT (8) PHASE FULLY-TRAFFIC-ACTUATED MODE WITH BOTH NORTHBOUND AND SOUTHBOUND US 13 MOVEMENTS OPERATING CONCURRENTLY. EASTBOUND AND WESTBOUND MD 362 MOVEMENTS ALSO OPERATE CONCURRENTLY. NORTHBOUND AND SOUTHBOUND US 13 LEFT TURNS ARE EXCLUSIVE. EASTBOUND AND WESTBOUND MD 362 LEFT TURNS ARE EXCLUSIVE/PERMISSIVE.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9570	16	SF	SHEET ALUMINUM GROUND MOUNTED SIGN
	1	EA	M3-1 (NORTH) (24" X 12") GROUND MOUNTED
	1	EA	M3-3 (SOUTH) (24" X 12") GROUND MOUNTED
	2	EA	M1-4 (US 13) (24" X 24") GROUND MOUNTED
	2	EA	M6-2R (21" X 15") GROUND MOUNTED
9571	66	SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	1	EA	SHIELD ASSEMBLY (NORTH. US 13. <-) (48" X 75") POLE MOUNTED
	1	EA	SHIELD ASSEMBLY (SOUTH. US 13. <-) (48" X 75") POLE MOUNTED
	1	EA	W3-3 (48" X 48") SIGNAL AHEAD

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	* EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8001	52 EA	12 INCH (R. Y. G) LED SIGNAL HEAD SECTION
8007	6 EA	8 INCH LED SIGNAL (R.Y.G) HEAD SECTION
8017	* EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8030	16 SF	RELOCATE EXISTING SIGN
8046	16 SF	INSTALL GROUND MOUNTED SIGN
8047	50 SF	INSTALL OVERHEAD SIGN
8058	50 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

C. IF THE CABINET IS TO BE REMOVED 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

* - THE QUANTITY FOR THIS ITEM IS COVERED ON SHEET ONE

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #1 ARE AS FOLLOWS:

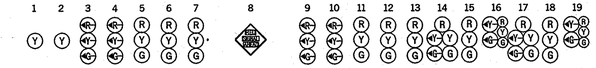
Mr. Gene Coffell
Assistant District Engineer - Traffic
Phone: 410-677-4040

Mr. Bruce Poole
District Utility Engineer
Phone: 410-677-4082

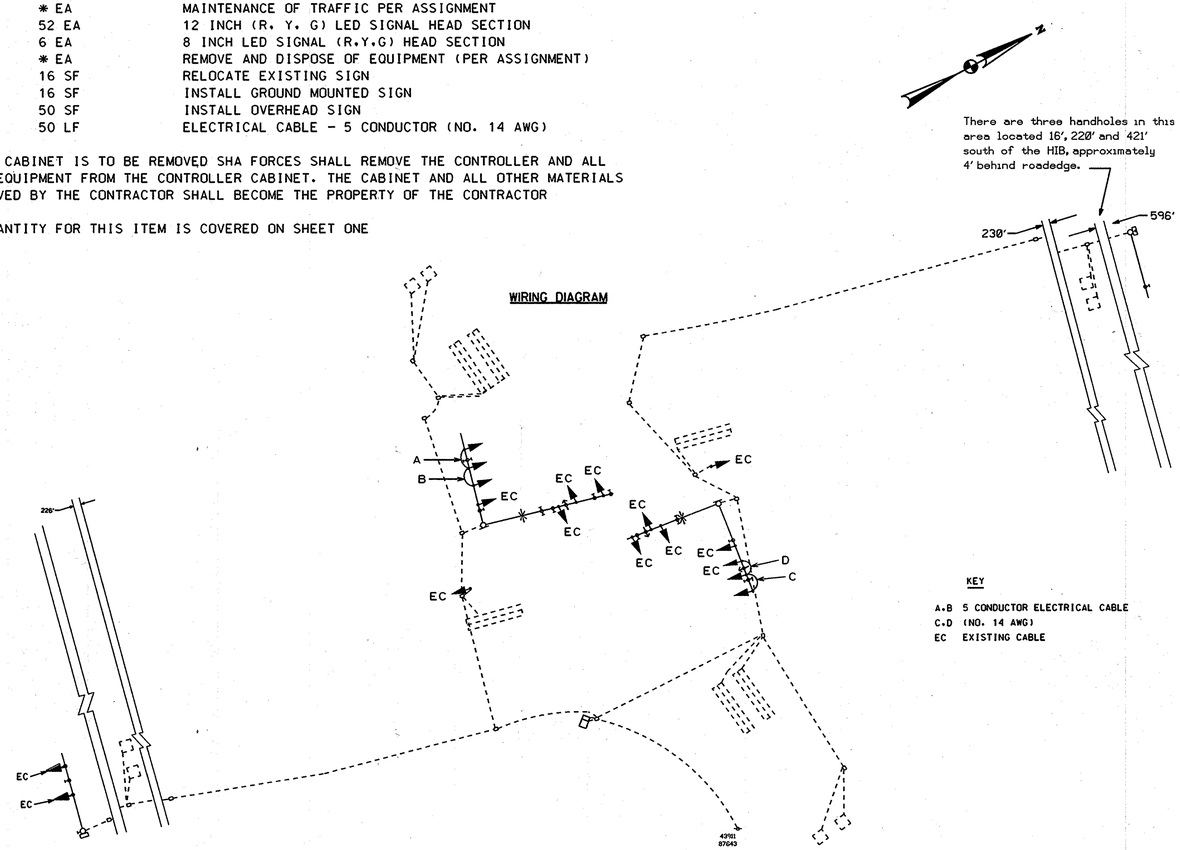
Mr. James Wright
Assistant District Engineer - Maintenance
Phone: 410-677-4010

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

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PHASE 1 AND 5	FL/Y	FL/Y	←G—	←G—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←G—	←G—	R	R	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																			
PHASE 1 AND 6 QUEUE CLR	FL/Y	FL/Y	←G—	←G—	G	G	G	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	R	R	R
PHASE 1 AND 6	DARK	DARK	←G—	←G—	G	G	G	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	R	R	R
1 CHANGE	DARK	DARK	←Y—	←Y—	G	G	G	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	R	R	R
PHASE 2 QUEUE CLR AND 5	FL/Y	FL/Y	←R—	←R—	R	R	R	FLASH SIGNAL AHEAD	←G—	←G—	G	G	G	R	R	R	R	R	R
PHASE 2 AND 5	FL/Y	FL/Y	←R—	←R—	R	R	R	STEADY SIGNAL AHEAD	←G—	←G—	G	G	G	R	R	R	R	R	R
5 CHANGE	FL/Y	FL/Y	←R—	←R—	R	R	R	STEADY SIGNAL AHEAD	←Y—	←Y—	G	G	G	R	R	R	R	R	R
PHASE 2 AND 6 QUEUE CLR	FL/Y	FL/Y	←R—	←R—	G	G	G	FLASH SIGNAL AHEAD	←R—	←R—	G	G	G	R	R	R	R	R	R
PHASE 2 AND 6	DARK	DARK	←R—	←R—	G	G	G	STEADY SIGNAL AHEAD	←R—	←R—	G	G	G	R	R	R	R	R	R
PHASE 2 AND 6 CLEARANCE	FL/Y	FL/Y	←R—	←R—	G	G	G	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	G	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	FL/Y	FL/Y	←R—	←R—	Y	Y	Y	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	Y	Y	Y	R	R	R	R	R	R
PHASE 3 AND 7	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	←G/R	R	←G/R	←G/R	R	←G/R
3 AND 7 CHANGE TO 3 AND 8, 4 AND 7, OR 4 AND 8																			
PHASE 3 AND 8	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	←G/G	G	←G/G
3 CHANGE	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	←Y/G	G	←Y/G
PHASE 4 AND 7	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	←G/G	G	←G/G	R	R	R
7 CHANGE	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	←Y/G	G	←Y/G	R	R	R
PHASE 4 AND 8	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	G	G	G	G	G	G
4 AND 8 CHANGE	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	DARK	DARK	FL/←R—	FL/←R—	FL/Y	FL/Y	FL/Y	STEADY SIGNAL AHEAD	FL/←R—	FL/←R—	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R
FIREHOUSE PREEMPTION 1	DARK	DARK	←G—	←G—	G	G	G	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	R	R	R
FIREHOUSE PREEMPTION 1 CLEARANCE	DARK	DARK	←Y—	←Y—	G	G	G	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	R	R	R
FIREHOUSE PREEMPTION 2	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	←G/G	G	←G/G
FIREHOUSE PREEMPTION 2 CLEARANCE	DARK	DARK	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	R	R	R	←Y/Y	Y	←Y/Y
FIREHOUSE PREEMPTION 3	FL/Y	FL/Y	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	←G/G	G	←G/G	R	R	R
FIREHOUSE PREEMPTION 3 CLEARANCE	DARK	DARK	←R—	←R—	R	R	R	ALT. FLASH RED/ SIGNAL AHEAD	←R—	←R—	R	R	R	←Y/Y	Y	←Y/Y	R	R	R



KEY

A.B 5 CONDUCTOR ELECTRICAL CABLE
C.D (NO. 14 AWG)
EC EXISTING CABLE

TOD NO:XX448-03
SHA NO:SO303A51/C51
US 13@ MD362/MD363/MD822

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

US 13 AND MD 362
SOMERSET COUNTY, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. ADVERTISED DATE 10/26/2007 CONTRACT NO. XX4485185

DESIGNED BY JB
DRAWN BY MH
CHECKED BY RJM
F.A.P. NO.
COUNTY SOMERSET
LOGMILE 1900131.14
TIMS NO. 1621
TOD NO.

TS NO. 391 K | DRAWING -- 2 OF 2 | SHEET NO. 4 OF 6

BAI BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD: SUITE 110
COLUMBIA, MARYLAND 21045
(410)-884-3607

PLOTTED: Friday, May 02, 2008 AT 10:51 AM
FILE: J:\DATA\1621\DGN\PSE_DGNs\PGG-P001-MD362.dgn

BY: Jhenkel