

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE REPLACEMENT OF EXISTING TRAFFIC SIGNAL HEADS WITH NEW BLACK FACED LED TRAFFIC SIGNAL HEADS AT THE INTERSECTION OF MD 108 (OLD ANNAPOLIS ROAD) AND THE WEST EXIT FROM HOWARD HIGH SCHOOL IN HOWARD COUNTY. THE EXISTING TRAFFIC SIGNAL HEADS ON THE HIB EAST OF THE INTERSECTION WILL ALSO BE REPLACED WITH NEW BLACK FACED LED TRAFFIC SIGNAL HEADS. MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE CONCURRENT MAINLINE PEDESTRIAN PHASE AND SIDE STREET ALTERNATIVE PHASE WILL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CONTROLLER, 2-WIRE CENTRAL CONTROL UNIT, LOOP DETECTOR AMPLIFIERS, AND ASSOCIATED HARNESSES SHALL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: 301-624-8140

Ms. Andrea Abend
Assistant District Engineer - Utility
Phone: 301-624-8115

Mr. Ray Johnson
Assistant District Engineer - Maintenance
Phone: 301-624-8105

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

Mr. Edward Rodenhizer
Chief, SHA Signal Shop
Phone: 410-787-7652

The Power Company Representative is:
Baltimore Gas and Electric Company
7317 Parkway Drive South
Hanover, MD 21076
Phone: 410-859-9062

Colonial Pipeline Company
Phone: 1-800-926-2728

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
9571	4 SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGNS: 2 EA- R10-4(1)MOD (9 IN. X 15 IN.) *PUSH BUTTON TO CROSS OLD ANNAPOLIS ROAD* POLE MOUNTED 2 EA- R10-4(1)MOD (9 IN. X 15 IN.) *PUSH BUTTON TO CROSS HOWARD HIGH EXIT* POLE MOUNTED

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

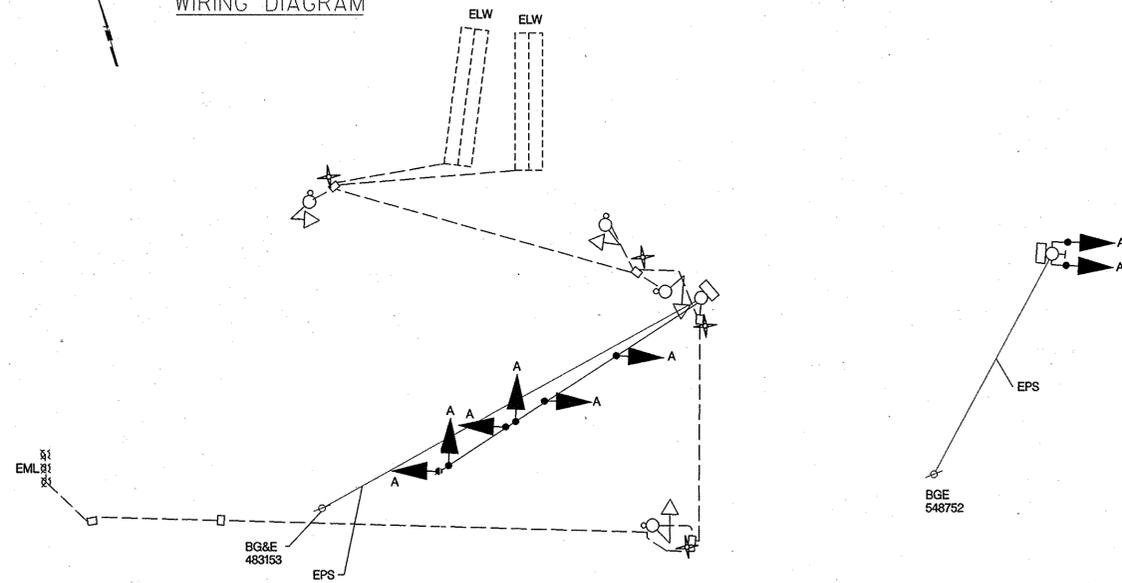
ITEM NO	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8001	20 EA	12 INCH (R,Y,G) LED SIGNAL HEAD SECTION
8017	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8046	4 SF	INSTALL OVERHEAD SIGN

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
NONE		ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



- USE EXISTING CABLE
- EXISTING LOOP WIRE
- EXISTING MICROLOOP PROBE SET
- EXISTING POWER SOURCE
- EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	
PHASE 2 & 6	G	G	FL/Y	FL/Y	G	G	R	R	W	W	DW	DW	
PHASE 2 & 6 PED. CLEARANCE	G	G	FL/Y	FL/Y	G	G	R	R	FL/DW	FL/DW	DW	DW	
PHASE 2 & 6 CHANGE	Y	Y	FL/Y	FL/Y	R	R	R	R	DW	DW	DW	DW	
PHASE 4	R	R	FL/Y	FL/Y	R	R	G	G	DW	DW	DW	DW	
PHASE 4 CHANGE	R	R	FL/Y	FL/Y	R	R	Y	Y	DW	DW	DW	DW	
PHASE 4 ALT.	R	R	FL/Y	FL/Y	R	R	G	G	DW	DW	W	W	
PHASE 4 ALT. PED. CLEARANCE	R	R	FL/Y	FL/Y	R	R	G	G	DW	DW	FL/DW	FL/DW	
PHASE 4 ALT. CHANGE	R	R	FL/Y	FL/Y	R	R	Y	Y	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	DARK	DARK	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	

BY: WEAVERCC

STV Incorporated
engineers / architects / planners / construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

TOD NO: AT925-06
SHA No.: HO403A51/C51
MD 108 @ Phelps Luck Dr/Centre Park Drive

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 108 (OLD ANNAPOLIS ROAD) AND
WEST EXIT FROM HOWARD HIGH SCHOOL

GENERAL INFORMATION

SCALE NONE DATE 02/2007 CONTRACT NO. AT9255185

DESIGNED BY MCG COUNTY HOWARD
DRAWN BY MCG LOGMILE 13010811.79
CHECKED BY BAB T. I. M. S. NO. G-378A
F. A. P. NO. TOD NO.

DRAWING NO. TS-3249C-GI OF SHEET NO. 2 OF 2