

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF EXISTING HAZARD IDENTIFICATION BEACONS (HIB) ON MD 2 (SOLOMONS ISLAND ROAD) NEAR SOUTHERN HIGH SCHOOL IN ANNE ARUNDEL COUNTY, MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

HAZARD IDENTIFICATION BEACON OPERATION

EACH HIB WILL OPERATE IN FLASHING MODE WITH FLASHING YELLOW BEACONS ON MD 2 (SOLOMONS ISLAND ROAD).

CONTROLLER REQUIREMENTS

EACH HIB WILL CONTAIN A CABINET AND CONTROLLER, SIGNAL HEADS, SIGN, POWER SERVICE, AND PHONE DROP.

PHONE DROP

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410)-787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION AT EACH HIB. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE, AND THE PHONE NUMBER.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

Ms. Kimberly Tran
Assistant District Engineer - Traffic
Phone: 410-841-1019

Mr. John Mays
Assistant District Engineer - Utility
Phone: 410-841-1039

Mr. Charles George
Assistant District Engineer - Maintenance
Phone: 410-841-1013

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7650

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

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

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

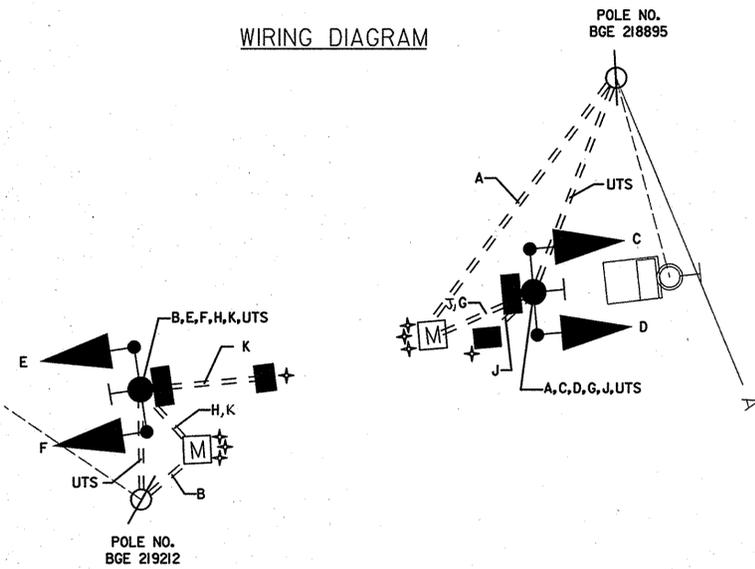
ITEM NO	QUANTITY	DESCRIPTION
9037	2 EA	[UPDATED] CABINET "C" TYPE POLE MOUNT
9042	2 EA	[UPDATED] CONTROLLER ASC II WITH TELEMETRY
9571	25 SF	[UPDATED] SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN
		2 EACH - SS-1 (30 IN. x 60 IN.) POLE MOUNT

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	2 CY	TEST PIT EXCAVATION
8003	4 EA	12 INCH YELLOW LED SIGNAL HEAD SECTION
8015	2 EA	14 FOOT BREAKAWAY PEDESTAL POLE
8023	2 EA	EMBEDDED METERED SERVICE PEDESTAL
8028	1 EA	REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT PER ASSIGNMENT
8030	4 EA	REMOVE FOUNDATION 12 INCH DEPTH
8040	3 CY	CONCRETE FOR SIGNAL FOUNDATION
8043	60 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8049	50 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8050	50 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8057	100 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG THHN/THWN
8062	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8064	25 SF	INSTALL OVERHEAD SIGN
8070	8 EA	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8078	50 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8087	2 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT

WIRING DIAGRAM



HIB PHASE CHART

	1	2	3	4
	⊙	⊙	⊙	⊙
NORMAL OPERATION	DARK	DARK	DARK	DARK
SPECIAL OPERATION	FL/Y	FL/Y	FL/Y	FL/Y

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
NONE	NONE	NONE

ALL REMOVED MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

- A** - PROPOSED SERVICE TO BE INSTALLED BY BGE.
- B**
- C**
- D**
- E**
- F** - ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
- G**
- H** - 3-ELECTRICAL CABLE 1-CONDUCTOR (NO. 8 AWG)
- I**
- J**
- K** - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- +** - GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
- M** - METERED SERVICE PEDESTAL
- UTS** - PROPOSED UNDERGROUND TELEPHONE SERVICE

TOD No.: AT782-47
SHA No.: AA445A54/B54
MD 2 @ Southern High School

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

MD 2 AT SOUTHERN HIGH SCHOOL

GENERAL INFORMATION

SCALE	NONE	DATE	08/15/2006	CONTRACT NO.	AT7825185
DESIGNED BY	NK	COUNTY	ANNE ARUNDEL		
DRAWN BY	PFW	LOGMILE	02000211.09 - SS		
CHECKED BY	JPR/JM BARSTY	T. I. M. S. NO.	H494		
F. A. P. NO.		TOD NO.			

DRAWING NO. **TS-2389A GI** SHEET NO. 2 OF 2

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