

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF TWO HAZARD IDENTIFICATION BEACONS, LOCATED ALONG MD 5 IN ADVANCE OF LOVEVILLE/BANNEKER SCHOOL ENTRANCES IN ST. MARY'S COUNTY.

INTERSECTION OPERATION

THE H.I.B.'S ARE TO FLASH ALTERNATELY DURING SCHOOL HOURS.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION.

ITEM NO.:	DESCRIPTION	UNIT	QUANTITY
9076	CABINET 'G' TYPE POLE MOUNTED	EA	2
9087	ASC #15 CONTROLLER W/ N/C MODULE AND UPS SYSTEM AND MODEM.	EA	2
9089	FLAT SHEET ALUMINUM SIGNS (YELLOW, ORANGE OR SILVER) S1-(36"x36") WARNING SIGN S4-3 (12" x 36") WARNING SIGN S5-2 (24" x 30") END SCHOOL ZONE SIGN R2-1 (24" x 30") SPEED LIMIT SIGN	SF EA EA EA EA	44 2 2 2 2

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

ITEM NO.:	DESCRIPTION	UNIT	QUANTITY
2001	Test Pit Excavation	CY	2
8001	F&I Concrete for Signal Foundations	CY	4
8003	F&I Breakaway Pedestrian Pole (Any Size)	EA	2
8019	Install Controller and Cabinet - Pole Mt.	EA	2
8024	F&I 2" Sched. 80 Rigid PVC Conduit - Trenched	LF	125
8027	F&I 3" Sched. 80 Rigid PVC Conduit - Trenched	LF	350
8032	F&I 4" Sched. 80 Rigid PVC Conduit - Bored	LF	160
8033	F&I Electrical Handhole	EA	3
8034	F&I Ground Rod-3/4" Diameter X 10' Length	EA	2
8035	F&I Connector Kit Type 1	EA	2
8036	F&I Connector Kit Type 2	EA	2
8043	F&I Electrical Cable- 3 Conductor ( No. 14 AWG)	LF	250
8047	F&I Electrical Cable 1-Conductor No. 8 AWG-THHN/THWN	LF	600
8048	F&I No. 6 AWG Stranded Bare Copper Ground Wire	LF	300
8050	F&I Wood Sign Support 4"x4"	LF	96
8052	Install Ground Mounted Sign	SF	44
8054	Install Breakaway Base Support System for Signal Structure	EA	2
8066	F&I Control and Distribution Equipment (120/240 V, 1 Phase 3 Wire System)	EA	2
8069	F&I Photozell	EA	2
8084	F&I 12" Vehicular Traffic Signal Head Section	EA	4

C. MATERIALS TO BE REMOVED AND RETURNED TO SHA.

ALL EXISTING SIGNAL MATERIAL ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

NONE

MAINTENANCE OF TRAFFIC

THE FOLLOWING TEMPORARY WORK ZONE TRAFFIC CONTROL STANDARDS SHALL BE USED FOR THIS PROJECT.

104.00-30	104.33-02
104.02-02	104.39-02
104.32-02	104.41-02

PROJECT CONTACTS:

MR. PAUL ARMSTRONG, DISTRICT ENGINEER  
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MR. JOHN MAYS, ASSIST., DISTRICT ENGINEER-UTILITIES  
PHONE: (410) 845-1005  
UTILITY CONTACT- SMECO  
MR. ARTHUR GOODE  
PHONE: (301) 475-1582

SHA, TRAFFIC SIGNAL SHOP  
MR. EDWARD ROSENHIZER, CHIEF  
PHONE: (410) 787-7650

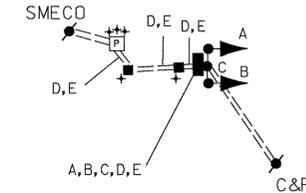
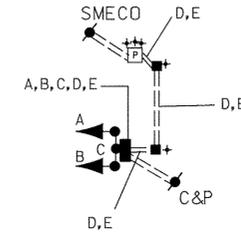
MR. RICHARD L. DAFF SR., CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

MR. LARRY ELLIOTT, ASSIST., DISTRICT ENGINEER-TRAFFIC  
PHONE: (301) 841-1003

WIRING DIAGRAM

WIRING KEY

- A, B - 3 CONDUCTOR WIRE (NO. 14 AWG) FOR TRAFFIC SIGNAL ELECTRICAL SERVICE
- C - 3 CONDUCTOR WIRE (NO. 14 AWG) FOR PHOTOCELL ELECTRICAL SERVICE
- D - 1 CONDUCTOR, 2 WIRE TYPE UF (NO. 8 AWG) FOR ELECTRICAL SERVICE (2-PCS.)
- E - STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- + - GROUND ROD



UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES

**SABRA, WANG & ASSOCIATES, INC.**  
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**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
GENERAL INFORMATION SHEET

**MD 5 AND LOVEVILLE/BANNEKER ELEMENTARY SCHOOLS**

DRAWN BY: M. MEARS	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: <i>Kim Malick</i>	S.H.A. NO. <i>SM1009ASC125C</i>	4101	
SCALE: 1" = 100'	COUNTY: ST. MARY'S	T.I.M.S. NO. E-527	3 OF 3
DATE: MAY, 2001	LOG MILE: 18005032.61		