

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF A TEMPORARY SIGNAL WITH INTERSECTION LIGHTING FOR MAINTENANCE OF TRAFFIC AT THE INTERSECTION OF MD 2 (SOLOMON'S ISLAND ROAD) AT SOUTHDOWN ROAD IN ANNE ARUNDEL COUNTY. MD 2 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

AN EIGHT (8) PHASE (FULLY ACTUATED) SYSTEM READY CONTROLLER WITH FOUR (4) RACK MOUNTED LOOP DETECTOR AMPLIFIERS HOUSES IN A SIZE SIX (6) BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS INTERSECTION. FOR THIS STAGE OF M.O.T., NORTHBOUND AND SOUTHBOUND MD 2 SHALL OPERATE CONCURRENTLY. EASTBOUND SOUTHDOWN ROAD SHALL OPERATE IN AN EXCLUSIVE PHASE. THE SIGNAL SHALL REST IN PHASE 2 AND 6.

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 PHONE: (410) 841-5450	SHA, TRAFFIC SIGNAL SHOP MR. EDWARD RODENHIZER, CHIEF PHONE: (410) 787-7650
MR. JOHN MAYS, ASSIST. DISTRICT ENGINEER PHONE: (410) 841-5450	MR. RICHARD L. DAFF SR., CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630
MR. LARRY ELLIOTT, ASSIST. DISTRICT ENGINEER-TRAFFIC PHONE: (301) 841-5450	

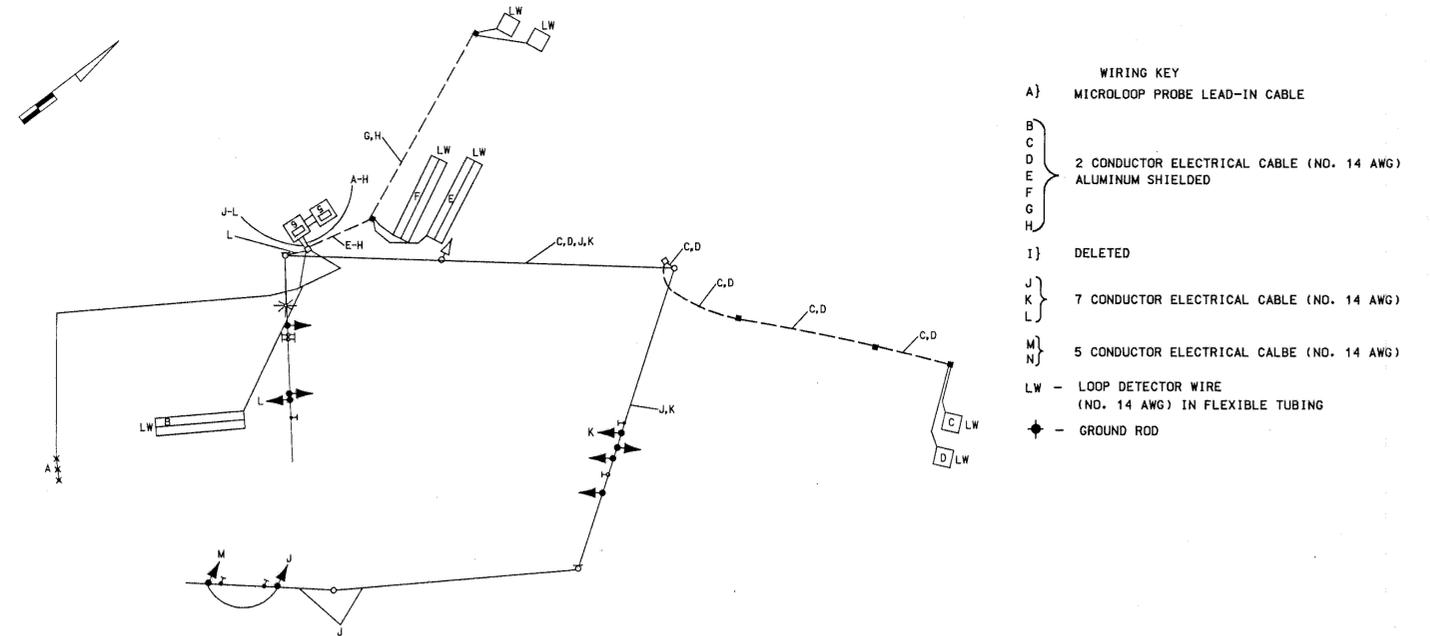
A. Equipment to be supplied by the Administration.

CATEGORY CODE NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
973023	22.5	SF	813	Sheet aluminum signs consisting of: *2 EA R3-5 (L) (30" x 36")* *1 EA R3-5 (R) (30" x 36")*

B. Equipment to be furnished and /or installed by the Contractor.

CATEGORY CODE NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
585416	100	LF	555	Furnish and install 24 in. white reflective thermoplastic pavement markings
800000	25	LF	805	Furnish and install 3 in. schedule 80 rigid PVC conduit - trenched
800000	430	LF	805	Furnish and install 2 in. schedule 80 rigid PVC conduit - trenched
805105	105	LF	805	Furnish and install 2 in. schedule 80 rigid PVC conduit - bored
805160	40	LF	805	Furnish and install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve
861104	1700	LF	810	Furnish and install electrical cable - 2 conductor (aluminum shielded)
861107	70	LF	810	Furnish and install electrical cable - 5 conductor (No. 14 AWG)
861108	550	LF	810	Furnish and install electrical cable - 7 conductor (No. 14 AWG)
862101	1370	LF	810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG)
813015	22.5	SF	813	Install overhead sign for signals
800000	9	EA	814	Furnish and install 12 in. standard aluminum traffic signal head section
800000	3	EA	814	Furnish and install 12 in. standard polycarbonate traffic signal head section
862102	1200	LF	815	Furnish and install sawcut for signal
800000	1	EA	815	Furnish and install microloop probe set w/ 500' lead

WIRING DIAGRAM



PHASE SEQUENCE CHART

	1	2	3	4	5	6	7	8	9	10	
	(R)										
	(Y)										
	(G)										
PHASE 2 AND 6	G	G	G	G	G	G	G	R	R	R	←
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	R	R	R	→
PHASE 4	R	R	R	R	R	R	R	G	G	G	↓
4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	↓
FLASHING OPERATION	FL/Y	FL/R	FL/R	FL/R	↕						

STAGE II

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION
MD 2 (SOLOMON'S ISLAND ROAD) AND SOUTHDOWN ROAD

SABRA, WANG & ASSOCIATES, INC.
1608 JOH AVENUE
SUITE 150
BALTIMORE, MD 21227
(410) 737-8584

DRAWN BY: A.FORNARO	F.A.P. NO.	GI NO. 1817 A	SHEET NO.
CHECKED BY: D.PETERS	S.H.A. NO.	T.I.M.S. NO.	
SCALE: NONE	COUNTY: ANNE ARUNDEL	LOG MILE: 02002017.35	OF
DATE: OCTOBER, 1999			