PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL WITH STREET LIGHTING AT THE INTERSECTION OF MD 2 (Solomons Island Road) AND VIRGINIA AVENUE, ANNE ARUNDEL COUNTY. MD 2 (Solomons Island Road) IS ASSUMED TO RUN IN NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

NO CHANGES TO THE EXISTING INTERSECTION OPERATION IS REQUIRED.

MAINTENANCE OF TRAFFIC

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

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

PROJECT CONTACTS:

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SHA, TRAFFIC SIGNAL SHOP
MR. EDWARD RODENHIZER,CHIEF
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MR. RICHARD L. DAFF SR., CHIEF, TRAFFIC OPERATIONS DIVISION
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EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION.

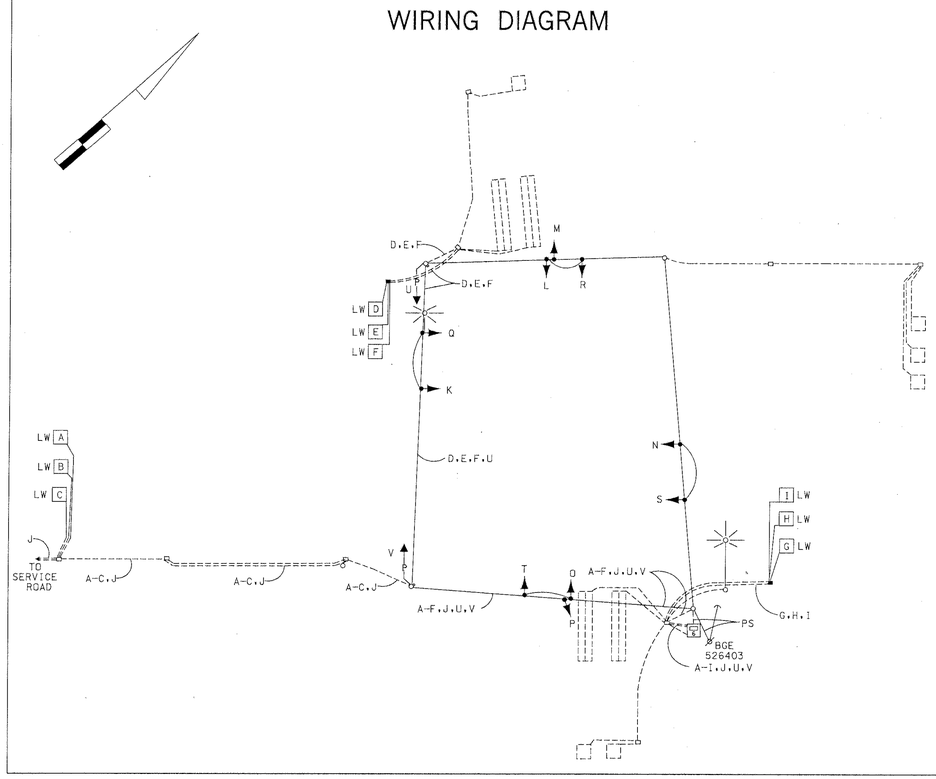
Category Code No.	Qty	Specification Unit	Section	Description
900000	3	EA	817	Two channel loop detector amplifier (delayed output)
973023	153	SF	813	Sheet aluminum signs consisting of: *2 EA W3-3 (36"" x 36"") GM" *2 EA D3-2 (16"" x Var) GM" *2 EA Guide Shield Assembly (24"" x 51"") GM" *2 EA Guide Shield Assembly (30"" x 75"") GM" *2 EA R10-4(1) (9"" x 12"") GM" *1 EA W9-2(4) L (30"" x 42"") OH" *2 EA D3-2 (16"" x Var) OH" *2 EA R3-2 (30"" x 30"") OH"

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

Item Code No.	Qty	Specification Unit	Section	Description
	260	LF	555	Furnish and install 24 in. white reflective thermoplastic pavement markings
800000	20	LF	805	Furnish and install 4 in. schedule 80 rigid PVC conduit - trenched
800000	370	LF	805	Furnish and install 2 in. schedule 80 rigid PVC conduit - trenched
805160	45	LF	805	Furnish and install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve
800000	1	EA	805	Furnish and install conduit bend in existing foundation
807205	1	EA	807	Furnish and install Control & Distribution Equipment
861104	3660	LF	810	Furnish and install electrical cable - 2 conductor (aluminum shielded)
861106	580	LF	810	Furnish and install electrical cable - 3 conductor (No. 14 AWG)
862101	1994	LF	810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG)
800000	1	EA	811	Re-build existing handhole
811001	1	EA	811	Furnish and install electrical handhole
801106	40	EA	812	"Furnish and install wooden sign support 4"" x 6""" drilled
813014	90	SF	813	Install ground mounted signs
813015	63	SF	813	Install overhead sign for signals
800000	4	EA	814	Furnish and install 12 in. pedestrian traffic signal head section
800000	30	EA	814	Furnish and install 12 in. standard polycarbonate traffic signal head section
862102	450	LF	815	Furnish and install sawcut for signal
800000	LS	LS	xxx	Remove and dispose of existing equipment
800000	2	EA	819	Re-ring existing span

PHASE SEQUENCE CHART
NO CHANGE TO THE EXISTING INTERSECTION OPERATION IS REQUIRED

WIRING DIAGRAM



WIRING KEY

A B C D E F G H I — 2 CONDUCTOR (ALUMINUM SHIELDED) CABLE (NO. 14.AWG) PROPOSED

J — 12 PAIR TWISTED INTERCONNECT CABLE (NO. 19 AWG) PROPOSED

K L M N O P — 7 CONDUCTOR CABLE (NO. 14 AWG) EXISTING

Q R S T — 5 CONDUCTOR CABLE (NO. 14 AWG) EXISTING

U V — 3 CONDUCTOR CABLE (NO. 14 AWG)

PS – EXISTING POWER SERVICE

LW – LOOP DETECTOR WIRE (NO. 14 AWG) IN FLEXIBLE TUBING

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

GENERAL INFORMATION SHEET
MD 2 (SOLOMONS ISLAND ROAD) AND VIRGINIA AVENUE

SABRA, WANG & ASSOCIATES, INC.
1506 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-6564

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CHECKED BY:	D.PETERS	S.H.A. NO.	AA-169-502-270		
SCALE:	1"=20'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO.	____ OF ____
DATE:	OCTOBER, 1999	LOG MILE:	02000217.82		