PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE REMOVAL OF THE EXISTING HAZARD IDENTIFICATION BEACONS (HIB'S) AND INSTALLATION OF NEW HIB'S FOR BOTH DIRECTIONS OF MD 2 FURTHER FROM THE SIGNALIZED INTERSECTION. NEW "NEXT SIGNAL" SIGNS ARE ALSO TO BE INSTALLED. NEARSIDE TRAFFIC SIGNAL HEADS FOR NORTH AND SOUTHBOUND MD 2 WILL BE INSTALLED.

MD 2 (SOLOMONS ISLAND ROAD) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THERE WILL BE NO CHANGES TO THE INTERSECTION OPERATION.

EQUIPMENT LIST FOR AREAWIDE CONTRACT #XX4475185

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9570	46	SF	SHEET ALUMINUM GROUND POLE MOUNTED SIGN
	1	EA	D3 (3) (78"x 42") (<-Harwood Rd) (Old Solomons Island Rd->) NEXT SIGNAL - GROUND MOUNTED
	1	EA	D3 (3) (78"x 42") (<-Old Solomons Island Rd) (Harwood Rd->) NEXT SIGNAL - GROUND MOUNTED
9571	32	SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	2	EA	W3-3 (48"x48") MAST ARM MOUNTED

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

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1003	2	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
8008	1	EA	BREAKAWAY PEDESTAL POLE
8016	1	EA	MAST ARM POLE & 60 FT MAST ARM ANY "T" DIMENSION
8021	1	EA	REM.& DISPOSE OF EQUIP PER ASSIGN
8034	475	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - SLOTTED
8035	775	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8036	72	LF	WOOD SIGN SUPPORTS UP TO 4" X 6"
8038	78	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN
8040	50	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	9	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	10	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD
8052	1	EA	CUT, CLEAN GALVANIZE AND CAP TRAFFIC SIGNAL
8056	2750	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8057	325	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)

PROJECT CONTACTS

The contact persons for District #5 are as follows:

Kimberly Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1019

Mr. John S. Mays
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

Mr. Joe Horty
Assistant District Engineer - Utility
Phone: (410) 841-1005

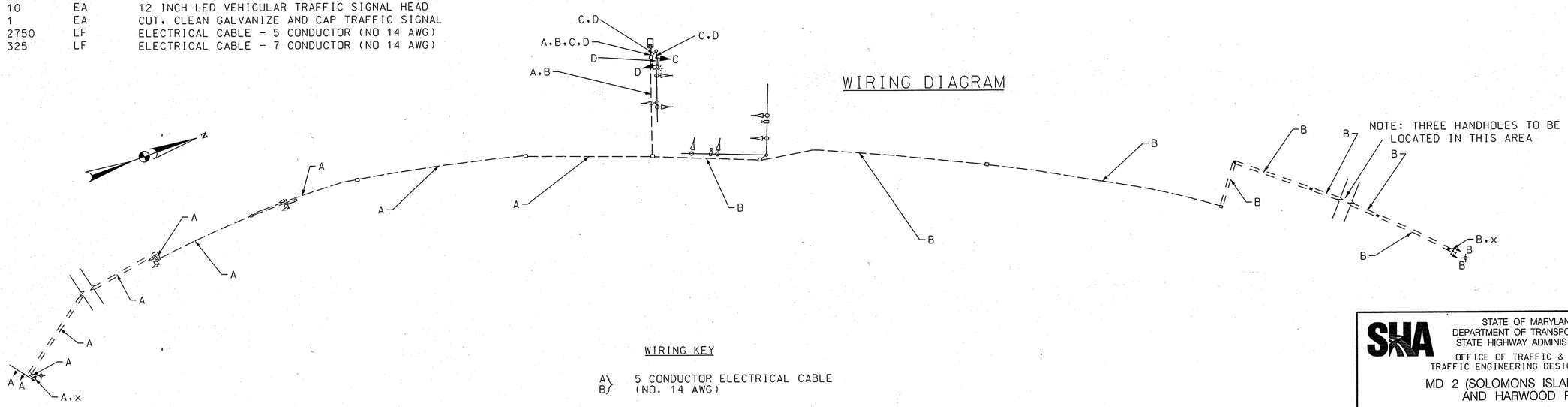
Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Signal Shop
Phone: (410) 787-7652

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 & 6	FL/Y	FL/Y	G	G ←G– G ←Y–	G ←G– G ←Y–	G	FL/Y	FL/Y	R	R	R	R	R
1 CHANGE	FL/Y	FL/Y	G	G	G	G	FL/Y	FL/Y	G	G	G	R	R
PHASE 2 & 6	FL/Y	FL/Y	G	G	G	G	FL/Y	FL/Y	G	G	G	R	R
2 & 6 CHANGE	FL/Y	FL/Y	Y	Y	Y	Y	FL/Y	FL/Y	Y	Y	Y	R	R
PHASE 4	FL/Y	FL/Y	R	R	R	R	FL/Y	FL/Y	R	R	R	G	G
4 CHANGE	FL/Y	FL/Y	R	R	R	R	FL/Y	FL/Y	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

A, B — 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

C, D — 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

× — 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE

+ — GROUND ROD

TOD NO:XX447-06
SHA NO:AA756A55/B55
MD 2@ HARWOOD RD

BRUDIS & ASSOCIATES, INC.
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 (SOLOMONS ISLAND ROAD) AND HARWOOD ROAD

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE AUGUST 2008 CONTRACT NO. XX4475185

DESIGNED BY J.B. COUNTY ANNE ARUNDEL
DRAWN BY X.O. LOGMILE 02000211.07
CHECKED BY J.B. T.I.M.S. NO. 1695
F.A.P. NO. TOD NO.

DRAWING NO. TS 4489A | OF | SHEET NO. 3 OF 3

PLOTTED: MONDAY, SEPTEMBER 08, 2008 AT 11:54 AM
FILE: P:\04-005 SIGNALS\MD 2 @ HARWOOD RD\DRAWINGS\CADD\WORKING\PGG-P000_MD2@HARWOOD RD_.DGN

BY: RICHARD