

PROJECT DESCRIPTION

I. GENERAL:

THIS PROJECT INVOLVES MODIFYING THE TRAFFIC CONTROL SIGNAL OPERATION AT THE INTERSECTION OF MD 2 (SOLOMONS ISLAND RD) AND MITCHELLS CHANCE RD IN ANNE ARUNDEL COUNTY. THE MODIFICATION INCLUDES CONVERTING THE PHASING FOR THE SIDE STREET (MITCHELLS CHANCE RD) FROM CONCURRENT TO SPLIT. THE EXISTING BASE-MOUNTED CABINET SHALL BE UTILIZED.

MD 2 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION SHALL OPERATE IN A NEMA SEVEN-PHASE, FULL-ACTUATED MODE. MD 2 THROUGH MOVEMENTS OPERATE CONCURRENTLY, WITH EXCLUSIVE LEFT TURNS FOR BOTH APPROACHES. THE SOUTHBOUND EXCLUSIVE LEFT TURN SHALL BE REPEATED AS AN OVERLAP MOVEMENT OPERATING CONCURRENTLY WITH MD 2 SOUTHBOUND THROUGH MOVEMENT. MITCHELLS CHANCE ROAD EASTBOUND AND WESTBOUND MOVEMENTS SHALL OPERATE AS SPLIT MOVEMENTS.

PROJECT CONTACTS

THE CONTACT PERSONS FOR THE SHA ARE AS FOLLOWS:

DISTRICT 5 OFFICE

MRS. KIMBERLY TRAN  
ASSISTANT DISTRICT ENGINEER-TRAFFIC  
PHONE: (410) 842-1019

MR. JOHN MAYS  
ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: (410) 841-1013

MR. JOE HORTY  
DISTRICT UTILITY ENGINEER  
PHONE: (410) 841-1039

OFFICE OF TRAFFIC & SAFETY

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF,  
TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER  
MANAGER, SIGNAL OPERATIONS SECTION  
PHONE: (410) 787-7652

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Phase 1 + 5 lead	◁G	◁G	R	R	◁G	◁G	R	R	R	R	R	R	R	R
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 + 6 OR 2 + 5 OR 2 + 6													
Phase 1 + 6	◁G	◁G	G	G	◁R	◁R	R	R	R	R	R	R	R	R
1 Change	◁Y	◁Y	G	G	◁R	◁R	R	R	R	R	R	R	R	R
Phase 2 + 5 lead	◁R	◁R	R	R	◁G	◁G	G	G	R	R	R	R	R	R
5 Change	◁R	◁R	R	R	◁Y	◁Y	G	G	R	R	R	R	R	R
Phase 2 + 6	◁R	◁R	G	G	◁R	◁R	G	G	R	R	R	R	R	R
2 + 6 Change	◁R	◁R	Y	Y	◁R	◁R	Y	Y	R	R	R	R	R	R
Phase 7 Lag Left	◁R	◁R	R	R	◁G	◁G	G	G	R	R	R	R	R	R
7 Lag Change	◁R	◁R	R	R	◁Y	◁Y	Y	Y	R	R	R	R	R	R
Phase 3	◁R	◁R	R	R	◁R	◁R	R	R	R	R	R	R	R	R
3 Change	◁R	◁R	R	R	◁R	◁R	R	R	R	R	R	R	R	R
Phase 4	◁R	◁R	R	R	◁R	◁R	R	R	R	R	R	R	R	R
4 Change	◁R	◁R	R	R	◁R	◁R	R	R	R	R	R	R	R	R
Flashing Operation	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

SPECIAL PHASING NOTE:

S/B MD 2 LEFT TURN OPERATES AS LEAD AND LAG LEFT TURN PHASES. PHASE 5 RUNS THE LEAD LEFT WITH PHASE 1 OR PHASE 2. PHASE 3 RUNS AS THE LAG LEFT WITH PHASE 2.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
-	48 SF	SHEET ALUMINIUM SIGNS MAST ARM/POLE MOUNTED: 2 EA - D-3(1) VARIABLE X16" - DUAL FACE, "Solomons Island RD"
-	1 EA	MAINTENANCE OF TRAFFIC
-	10 EA	12" (R,Y,G) LED SIGNAL HEAD SECTION
-	6 EA	8" (R,Y,G) LED SIGNAL HEAD SECTION
-	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
-	48 SF	INSTALL OVERHEAD SIGN
-	1012 LF	ELECTRTICAL CABLE 7-CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST "B"

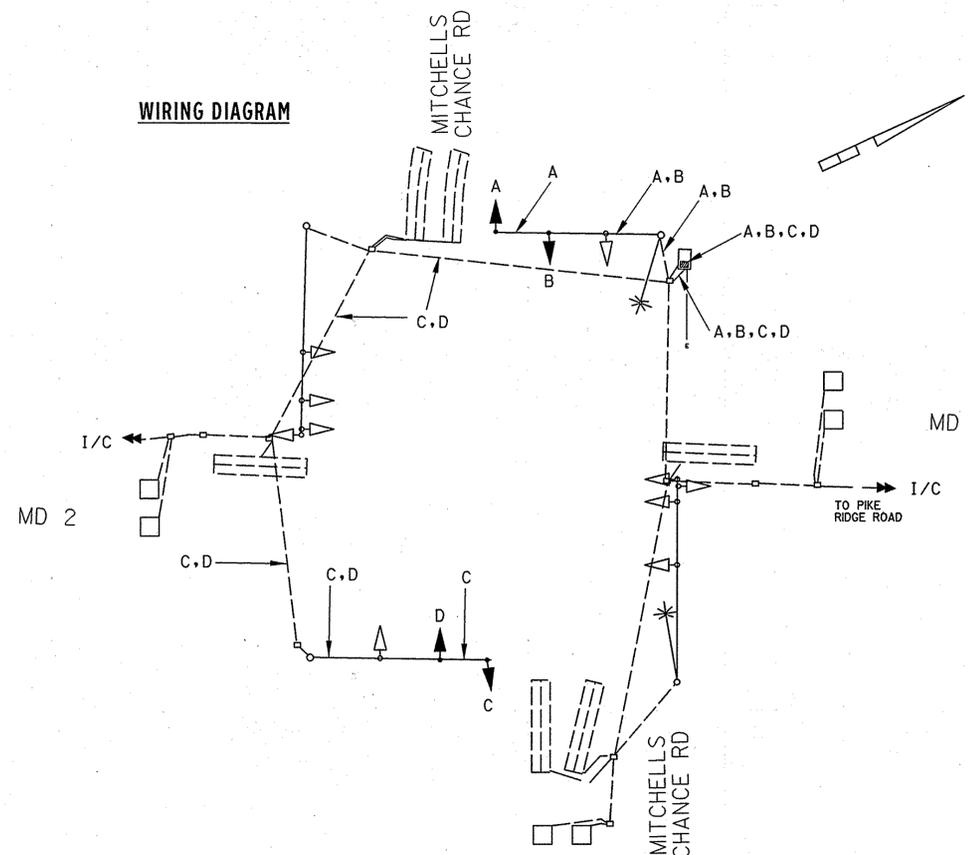
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
N/A		

EQUIPMENT LIST "C"

N/A

WIRING DIAGRAM



WIRING KEY

A-D - ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 AWG)  
I/C - EXISTING UNDERGROUND INTERCONNECT CABLE

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION SHEET  
MD 2 (SOLOMONS ISLAND RD) AND  
MITCHELLS CHANCE ROAD  
SOUTH RIVER COLONY, MD

GENERAL INFORMATION SHEET

SCALE NONE DATE 09-05-2008 CONTRACT NO. XX4485185

DESIGNED BY DLA COUNTY ANNE ARUNDEL  
DRAWN BY DLA LOGMILE 02000216.61  
CHECKED BY TH TIMS NO. J-204  
FAP NO. AC-NHG-STPG-000A (207)E TOD NO. 3225 D

TS NO. 3225 D DRAWING 2 OF 2 SHEET NO. 2 OF 2

BY: MfKabengele