PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNALS AT THE INTERSECTIONS OF MD 2 (GOVERNOR RITCHIE HIGHWAY AND AMERICANA CIRCLE/MARLEY STATION MALL ENTRANCE AND MD 2 (GOVERNOR RITCHIE HIGHWAY) AND GUILFORD ROAD/FARRINGTON ROAD IN ANNE ARUNDEL COUNTY, MARYLAND. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT BOTH INTERSECTIONS.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED AT BOTH INTERSECTIONS.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	10 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 2 EACH R4-7(R) SIGN (24 IN. x 30 IN.) - GROUND MOUNT

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8004	2 EACH	ADJUST HANDHOLE TO FINAL GRADE
8005	1 EACH	ADJUST/RE-RING EXISTING SPAN WIRE
8010	4 EACH	FURNISH AND INSTALL 12 IN. PEDESTRIAN SIGNAL HEAD SECTION
8011	56 EACH	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8032	3 EACH	FURNISH AND INSTALL PUSHBUTTON AND SIGN
8047	4 EACH	REMOVE AND DISPOSE FOUNDATION 12 IN. BELOW GRADE
8048	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT AS PER ASSIGNMENT
8058	32 L.F.	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 IN. x 4 IN.
8074	10 S.F.	INSTALL GROUND MOUNTED SIGN
8083	245 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G)
8085	600 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G)

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.44-01 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.46-01 (CENTER LANE CLOSURE)

STANDARD NO. MD-104.48-01 (INTERSECTION TURN BAY LANE CLOSURE)

STANDARD NO. MD-104.49-01 (SHOULDER WORK)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

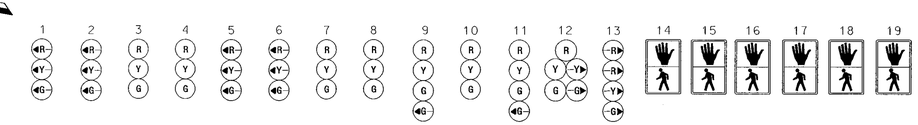
MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. CHUCK E. GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

MR. JOHN S. MAYS
DISTRICT UTILITY ENGINEER
PHONE: (410) 841-1039

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

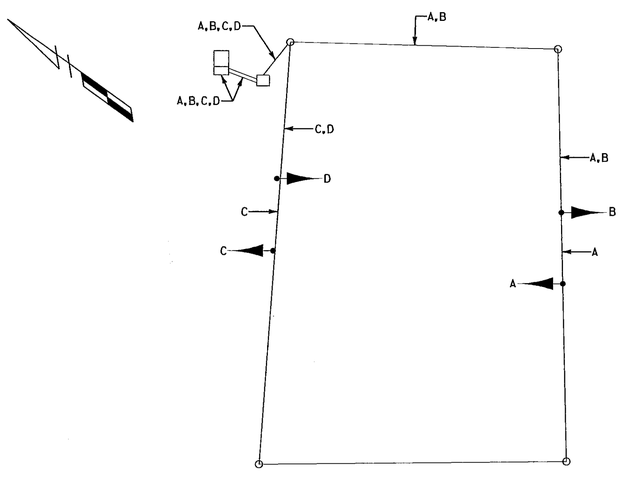
PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PHASE 1 + 5	←G—	←G—	R	R	←G—	←G—	R	R	R	R	R	R G→	—G→	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																		
PHASE 1 + 6	←G—	←G—	G	G	←R—	←R—	R	R	R	R	R	R	—R→ —R→	DW	DW	DW	DW	DW	DW
1 + 6 CHANGE	←Y—	←Y—	G	G	←R—	←R—	R	R	R	R	R	R	—R→ —R→	DW	DW	DW	DW	DW	DW
PHASE 2 + 5	←R—	←R—	R	R	←G—	←G—	G	G	R	R	R	R G→	—G→	WK	WK	DW	DW	DW	DW
2 + 5 CHANGE	←R—	←R—	R	R	←Y—	←Y—	G	G	R	R	R	R Y→	—Y→	WK	WK	DW	DW	DW	DW
PHASE 2 + 6	←R—	←R—	G	G	←R—	←R—	G	G	R	R	R	R	—R→ —R→	WK	WK	DW	DW	DW	DW
PED CLEARANCE	←R—	←R—	G	G	←R—	←R—	G	G	R	R	R	R	—R→ —R→	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 + 6 CHANGE	←R—	←R—	Y	Y	←R—	←R—	Y	Y	R	R	R	R	—R→ —R→	DW	DW	DW	DW	DW	DW
PHASE 3	←R—	←R—	R	R	←R—	←R—	R	R	←G G—	G	R	R	—R→ —R→	DW	DW	DW	DW	DW	DW
3 CHANGE	←R—	←R—	R	R	←R—	←R—	R	R	←G Y—	Y	R	R	—R→ —R→	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	←R—	←R—	R	R	←R—	←R—	R	R	←G G—	G	R	R	—R→ —R→	DW	DW	WK	WK	WK	WK
PED CLEARANCE	←R—	←R—	R	R	←R—	←R—	R	R	←G G—	G	R	R	—R→ —R→	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
3 ALT CHANGE	←R—	←R—	R	R	←R—	←R—	R	R	Y	Y	R	R	—R→ —R→	DW	DW	DW	DW	DW	DW
PHASE 4	←R—	←R—	R	R	←R—	←R—	R	R	R	R	←G G—	—G G→	—G→	DW	DW	DW	DW	DW	DW
4 CHANGE	←R—	←R—	R	R	←R—	←R—	R	R	R	R	Y	Y	—G→	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	←FL/R—	←FL/R—	FL/Y	FL/Y	←FL/R—	←FL/R—	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	—FL/R→	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAMS

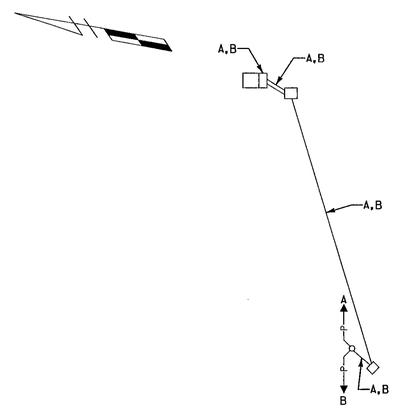
MD 2 AND GUILFORD RD./FARRINGTON RD.



WIRING KEY

A, B, C, D } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

MD 2 AND AMERICANA CIRCLE



WIRING KEY

A, B } 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

MD 2 AND AMERICANA CIRCLE

SHA #: AA287A5G/83G TOD #: [illegible]

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 2 INTERSECTIONS

WR&A
Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

DRAWN BY: S. BLOSS	F.A.P. NO.		TS NO.		SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO.	XX1065485			
SCALE: NONE	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. G255		3 OF 3
DATE: 5/13/2004	LOG MILE:				

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