

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 97 AND BEL PRE ROAD IN MONTGOMERY COUNTY. MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9094	1 EACH	10 FT. PEDESTAL POLE WITH BREAKAWAY BASE AND ANCHOR BOLTS

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8031	10 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8037	1 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8038	20 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8057	1 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8058	2 EACH	RELOCATE PEDESTRIAN SIGNAL HEADS
8079	1 EACH	INSTALL BREAKAWAY PEDESTAL BASE
NEG.	100 L.F.	PULL BACK AND RE-FEED ELECTRICAL CABLE
NEG.	1 EACH	RELOCATE PUSHBUTTON AND SIGN

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:

MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. AUGUSTINE REBISH
DISTRICT UTILITIES ENGINEER
PHONE: (301) 513-7350

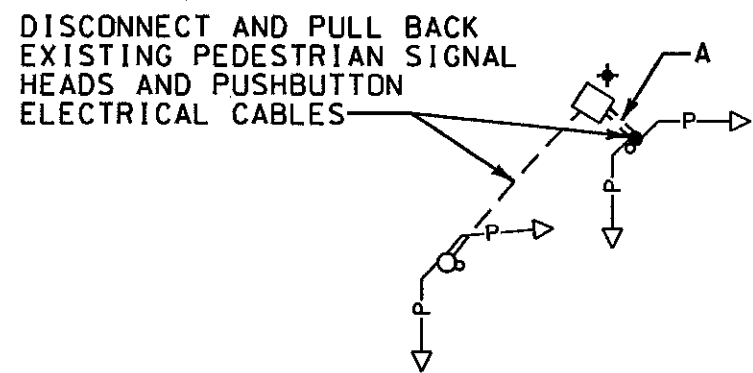
MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

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	20	21	22	23	24
PHASE 1 + 5	←G	R	←G	←G	R	R	←G	R	←G	←G	R	R	R	R	R	R	R	R	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	G	G	←R	R	←R	←R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
1 + 6 CHANGE	←Y	G	←Y	←Y	G	G	←R	R	←R	←R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
PHASE 2 + 5	←R	R	←R	←R	R	R	←G	G	←G	←G	G	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW
2 + 5 CHANGE	←R	R	←R	←R	R	R	←Y	G	←Y	←Y	G	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW
PHASE 2 + 6	←R	G	←R	←R	G	G	←R	G	←R	←R	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
PED CLEARANCE	←R	G	←R	←R	G	G	←R	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	Y	←R	←R	Y	Y	←R	Y	←R	←R	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3 + 7	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	←G	←G	R	←G	←G	R	DW	DW	DW	DW	DW	DW
3 + 7 CHANGE	PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8																							
PHASE 3 + 8	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	R	R	R	←G	←G	G	DW	DW	DW	DW	DW	DW
3 + 8 CHANGE	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	R	R	R	←G	←G	G	DW	DW	DW	DW	DW	DW
PHASE 4 + 7	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	←G	←G	G	R	R	R	DW	DW	DW	DW	DW	DW
4 + 7 CHANGE	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	←G	←G	G	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 + 8	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW
4 + 8 CHANGE	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 + 8 ALT	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	G	G	G	G	G	G	DW	DW	DW	WK	WK	DW
PED CLEARANCE	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW
4 + 8 ALT CHANGE	←R	R	←R	←R	R	R	←R	R	←R	←R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	←FL/R	FL/Y	←FL/R	←FL/R	FL/Y	FL/Y	←FL/R	FL/Y	←FL/R	←FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

A } STRANDED BARE COPPER
GROUND WIRE (NO. 6 A.W.G.)

+ - 3/4 IN. X 10 FT. GROUND ROD

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 97 (GEORGIA AVE.) AND BEL PRE ROAD

DRAWN BY: S.BLOSS	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO.	TS-3337C	
SCALE: NONE	COUNTY: MONTGOMERY	T.I.M.S. NO.	
DATE: 7/9/02	LOG MILE: 15009707.67	D728	2 OF 2