PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTONS AT THE INTERSECTION OF MD 542 (LOCH RAVEN BLVD.) AND GLEN KEITH BOULEVARD IN BALTIMORE COUNTY. MD 542 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

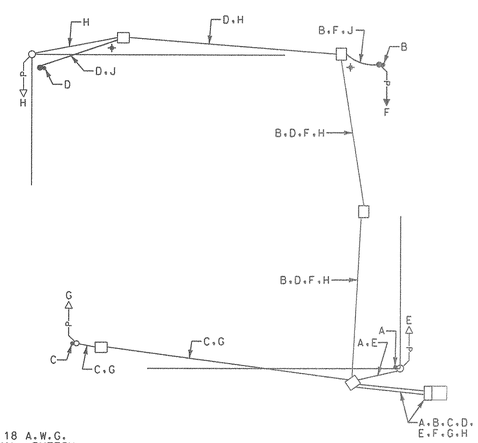
MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-3514

MR. DAVE RAMSEY
ACTING ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-3468

MR. JOE McMAHON
ACTING DISTRICT UTILITIES ENGINEER
PHONE: (410) 321-3456

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

WIRING DIAGRAM



WIRING KEY

A, B, C, D } BELDEN #8691 6 PAIR 18 A.W.G. (FOR PEDESTRIAN SIGNAL, BUTTON AND VIBRATING ARROW)

E, F, G, H } BELDEN #8760 SHIELDED MICROPHONE CABLE (FOR MICROPHONE)

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

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

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION

NO MATERIAL SUPPLIED BY SHA

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 2 + 6	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 + 8	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	G	G	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 + 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	2 C.Y.	TEST PIT EXCAVATION
8006	1 EACH	CUT, CLEAN AND CAP TRAFFIC SIGNAL STRUCTURE
8010	2 EACH	FURNISH AND INSTALL 12 IN. PEDESTRIAN TRAFFIC SIGNAL HEAD SECTION
8030	2 EACH	FURNISH AND INSTALL PEDESTRIAN POLE (ANY SIZE)
8047	1 EACH	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE
8048	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT AS PER ASSIGNMENT
8057	2 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8060	30 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8063	10 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8080	2 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8091	25 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
NEG.	4 EACH	FURNISH AND INSTALL POLARA NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL WITH BLACK FACE PLATE OPTION 'A'
NEG.	4 EACH	FURNISH AND INSTALL MD SPECIAL PEDESTRIAN HEAD CONTROL UNIT CONSTANT POWER MD SPEC
NEG.	1 EACH	FURNISH VOICE PROGRAMMING KIT/SOFTWARE
NEG.	660 L.F.	BELDEN #8691 6 PAIR (NO. 18 A.W.G.) ELECTRICAL CABLE
NEG.	660 L.F.	BELDEN #8760 SHIELDED MICROPHONE CABLE
NEG.	2 EACH	RELOCATE EXISTING SIGN

NOTE:

THE CONTRACTOR SHALL FURNISH VOICE PROGRAMMING KIT/ SOFTWARE AND DELIVER TO MR. EDWARD RODENHIZER AT 7941 CONNELLEY DRIVE, HANOVER MD 21076.

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 542 (LOCH RAVEN BLVD)
AND GLEN KEITH BOULEVARD

DRAWN BY: S. BLOSS	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO.	XXI065385	TS-2012C	
SCALE: NONE	COUNTY:	BALTIMORE	T.I.M.S. NO.	