

PROJECT DESCRIPTION

GENERAL
 THIS PROJECT INVOLVES THE INSTALLATION OF APS (ACCESSIBLE PEDESTRIAN SIGNALS)/CPS (COUNTDOWN PEDESTRIAN SIGNALS) AND THE INSTALLATION OF ADA COMPLIANT CURB RAMPS AT THE INTERSECTION OF MD 924 (EMMORTON ROAD) AND RING FACTORY ROAD IN HARFORD COUNTY, MARYLAND. MD 924 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION
 THE INTERSECTION OPERATION WILL REMAIN THE SAME.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

MD 924 (EMMORTON ROAD) AND RING FACTORY ROAD - SOUTH LEG

INTERSECTION WITH ANGLED CROSSING.

WAIT: "WAIT TO CROSS EMMORTON ROAD AT RING FACTORY. CROSSWALK ANGLES LEFT. WAIT." **
 WALK: RAPID TICK

* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10'
 ** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC

NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN
 ASSISTANT DISTRICT ENGINEER - TRAFFIC
 PHONE: (410) 229-2381

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

MR. ANDRE FUTRELL
 ASSISTANT DISTRICT ENGINEER - MAINTENANCE
 PHONE: (410) 229-2361

MR. MIKE PASQUARIELLO
 DISTRICT UTILITY ENGINEER
 PHONE: (410) 229-2341

PHASE CHART

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

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	2 SF	SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS EMMORTON RD"

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

MAINTENANCE OF TRAFFIC

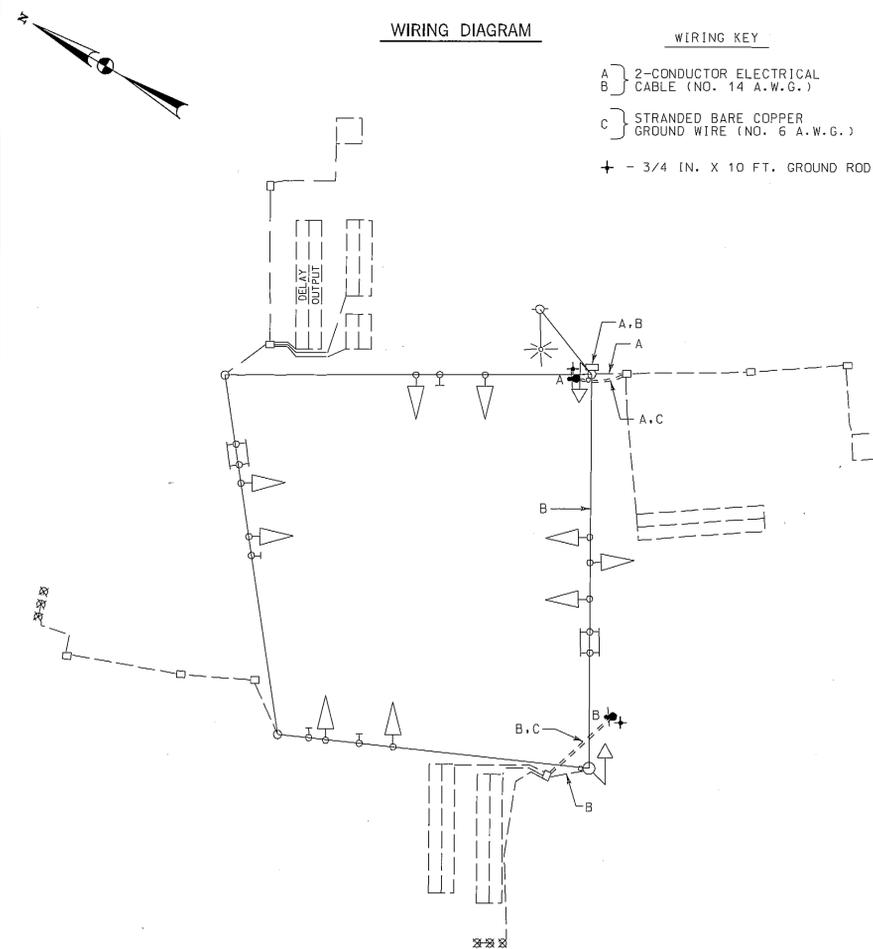
THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-02 (SHOULDER WORK)
 STANDARD NO. MD-104.02-14 (INTERSECTION FLAGGING)

WIRING DIAGRAM

WIRING KEY

- A } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- C } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- + - 3/4 IN. X 10 FT. GROUND ROD



TOD NO: XY125-14
 SHA NO: HA400B56
 US 1 Bus. @ MD 924, MD 24 @
 Marketplace Dr./MD 924 @ Ring Factory
 Rd/Bel Air/Laurel Bush Rd/Holly Wreath

TSP-9

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 924 (Emmorton Road) and Ring Factory Road
 Bel Air, MD

GENERAL INFORMATION SHEET

SCALE	N.T.S.	DATE	10/02/2012	CONTRACT NO.	XY1255185
DESIGNED BY	J.D.C.	COUNTY	HARFORD		
DRAWN BY	S.M.D.	LOGMILE	12082404.17		
CHECKED BY	N.M.L.	TMS NO.	1646		
F.A.P. NO.		TOD NO.			

TS NO. 1868 H DRAWING TSP-9 OF 15 SHEET NO. 9 OF 15



WHITMAN, REQUARDT & ASSOCIATES, LLP
 801 South Caroline Street, Baltimore, Maryland 21231

BY: Jcheng