

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF U.S. 40 (BALTIMORE NATIONAL PIKE) & JOHNNYCAKE ROAD/ACADEMY ROAD. THIS PROJECT IS LOCATED IN BALTIMORE COUNTY, MARYLAND.

U.S. 40 (BALTIMORE NATIONAL PIKE) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT EACH INTERSECTION.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

U.S. 40 (BALTIMORE NATIONAL PIKE) AND JOHNNYCAKE ROAD/ACADEMY ROAD

1. U.S. 40 ALT. (BALTIMORE NATIONAL PIKE) AND JOHNNYCAKE ROAD - WEST LEG (PUSHBUTTONS #36 & #37)

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS BALTIMORE NATIONAL AT JOHNNYCAKE. WAIT." *

WALK: RAPID TICK

2. U.S. 40 ALT. (BALTIMORE NATIONAL PIKE) AND ACADEMY ROAD - WEST LEG (PUSHBUTTONS #34 & #35)

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS BALTIMORE NATIONAL AT ACADEMY. WAIT." *

WALK: RAPID TICK

3. JOHNNYCAKE ROAD AND U.S. 40 (BALTIMORE NATIONAL PIKE) - NORTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS JOHNNYCAKE AT BALTIMORE NATIONAL. WAIT." *

WALK: RAPID TICK

4. ACADEMY ROAD AND U.S. 40 (BALTIMORE NATIONAL PIKE) - SOUTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS ACADEMY AT BALTIMORE NATIONAL. 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.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NUMBER	QUANTITY	DESCRIPTION
9571	8 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
	- 4 EACH	R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS BALTIMORE NATIONAL PIKE"
	- 2 EACH	R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS JOHNNYCAKE ROAD"
	- 2 EACH	R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS ACADEMY ROAD"

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-104.04-01 (SHOULDER WORK)	STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)	STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)	
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)	

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

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

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

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

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

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

EQUIPMENT LIST "B"

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

ITEM NUMBER	QUANTITY	DESCRIPTION
1001	1165 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
2002	8 C.Y.	TEST PIT EXCAVATION
5005	1285 L.F.	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
6005	30 S.F.	5 INCH CONCRETE SIDEWALK
8001	8 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8002	8 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8003	1 EACH	FURNISH AND INSTALL 2 WIRE CENTRAL CONTROL UNIT
8004	6 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8007	1 EACH	REM & DISPOSE MAT & EQUIP PER ASSIGN
8008	145 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8010	14 L.F.	WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8012	520 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8013	205 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8014	4 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8015	14 S.F.	INSTALL GROUND MOUNTED SIGN
8019	6 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8020	2430 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8021	1200 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8022	1190 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8023	305 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	2 EACH	CONDUIT BEND IN EXISTING FOUNDATION - ANY SIZE
NEG.	30 L.F.	1 INCH DETECTOR SLEEVE GALVANIZED OR FLEXIBLE LIQUID TIGHT
NEG.	1940 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
NEG.	60 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
NEG.	15 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 40 (Baltimore National Pike) and Johnnycake Road/Academy Road
Catonsville, Maryland

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 10/06/2010 CONTRACT NO. AX7045168

DESIGNED BY S. Bloss COUNTY Baltimore

DRAWN BY S. Bloss LOGMILE

CHECKED BY N. Loary TMS NO.

F.A.P. NO. TOD NO.

TS NO. DRAWING TSP-9 OF 12 SHEET NO. 9 OF 12



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