

**PROJECT DESCRIPTION**

**GENERAL**

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 372 (WILKENS AVENUE) AND MAIDEN CHOICE LANE IN BALTIMORE COUNTY, MARYLAND. MD 372 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

AN ALTERNATE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS THE EAST LEG OF MD 372 AND COUNTDOWN PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS BOTH LEGS OF MAIDEN CHOICE LANE.

**CONTROLLER REQUIREMENTS**

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

**APS NOTES**

APS WILL FUNCTION AS FOLLOWS:

- MD 372 (WILKENS AVENUE)
  - WHEN PEDESTRIAN LOCATES AND PASSES PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGE WILL BE "WAIT TO CROSS WILKENS AVENUE".
  - WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
- MAIDEN CHOICE LANE
  - WHEN PEDESTRIAN LOCATES AND PASSES PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGE WILL BE "WAIT TO CROSS MAIDEN CHOICE LANE".
  - WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

**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-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
- STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)
- STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

**PROJECT CONTACTS**

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

- MS. ERIN KUHN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-2781/2785
- MR. MIKE PASQUARIELLO  
ASST. DISTRICT UTILITY ENGINEER  
PHONE: (410) 321-2841
- MR. STEVE MARCISZEWSKI  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761
- MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

**EQUIPMENT LIST "A"**

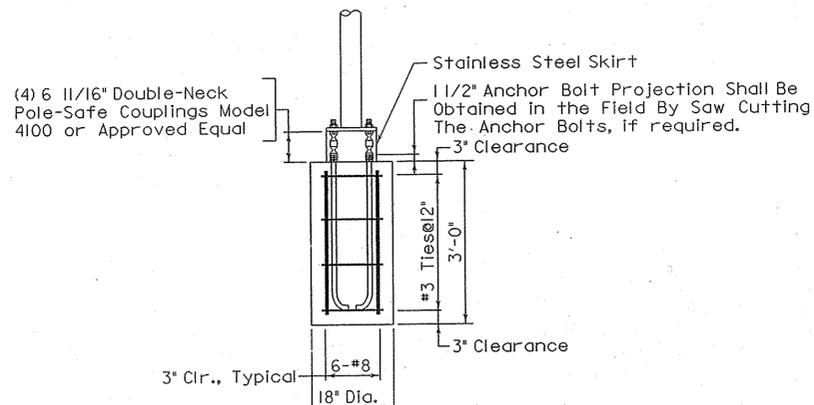
A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	6 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
	- 2 EACH	R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS WILKENS AVENUE"
	- 2 EACH	R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS MAIDEN CHOICE LANE"

**EQUIPMENT LIST "C"**

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA  
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

**MODIFIED PEDESTAL POLE FOUNDATION**

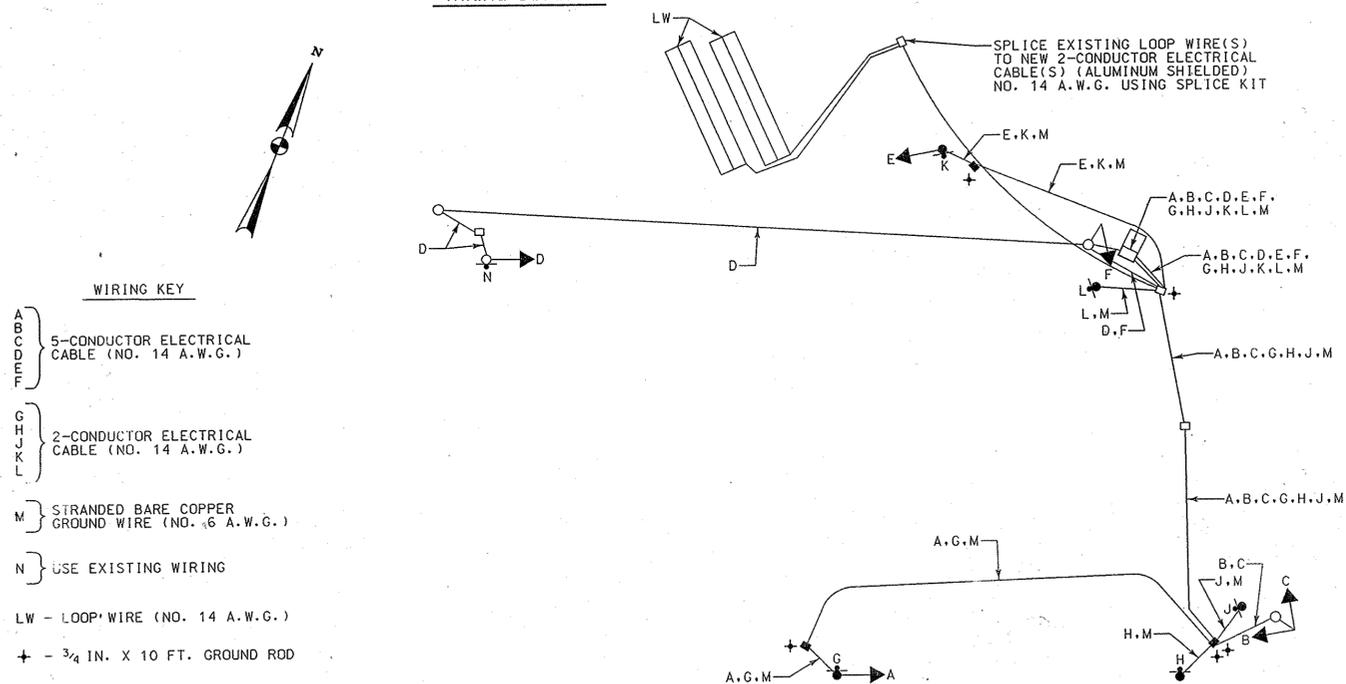


**EQUIPMENT LIST "B"**

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

ITEM NO.	QUANTITY	DESCRIPTION
5005	440 L.F.	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5006	820 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
8001	5 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8002	6 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON
8003	5 EACH	BREAKWAY PEDESTAL POLE (ANY SIZE)
8004	6 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL
8005	6 EACH	PEDESTRIAN EDUCATION SIGN
8006	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8007	430 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8008	110 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8009	3 EACH	INSTALL HANDHOLE
8011	5 EACH	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8012	3 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8013	800 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
8014	1170 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
NEG.	5 EACH	TEST PIT EXCAVATION
NEG.	1015 L.F.	LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G.)
NEG.	280 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	6 S.F.	INSTALL OVERHEAD SIGN
NEG.	1 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT
NEG.	1 EACH	REMOVAL OF EXISTING PAVEMENT MARKING LETTERS, SYMBOLS, ARROWS AND NUMBERS
NEG.	25 L.F.	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
NEG.	35 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
NEG.	135 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
NEG.	20 L.F.	1 INCH GALVANIZED ELECTRICAL CONDUIT FOR DETECTOR WIRE SLEEVE
NEG.	1 EACH	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
NEG.	1 EACH	CONDUIT BEND IN EXISTING FOUNDATION

**WIRING DIAGRAM**



**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 372 (Wilkins Avenue) and  
Maiden Choice Lane

**GENERAL INFORMATION SHEET - 02**

SCALE	NONE	DATE	10/15/2007	CONTRACT NO.	AX1795133
DESIGNED BY	S. Bloss	COUNTY	Baltimore		
DRAWN BY	S. Bloss	LOGMILE	03037201.81		
CHECKED BY	N. Leary	TMS NO.	5424		
FAP NO.		TOD NO.			
TS NO. 1726D-GI-2	DRAWING	OF		SHEET NO.	3 OF 3

**WRQA**  
Whitman, Reardon and Associates LLP  
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