

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTONS AT THE INTERSECTION OF MD 195 (CARROLL AVENUE AND LAUREL AVENUE IN MONTGOMERY COUNTY, MARYLAND. MD 195 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT EACH INTERSECTION.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. LEE STARKLOFF, MONTGOMERY
PHONE: (301) 513-7368
ASSISTANT DISTRICT ENGINEER - TRAFFIC

MR. WILHELM DERMINASSIAN
MONTGOMERY COUNTY TMC
PHONE: (240) 777-8795

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

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

MR. AUGIE REBISH
DISTRICT UTILITY ENGINEER
PHONE: (301) 513-7350

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	4 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 6 EACH R10-4(1) SIGN (5 IN. x 7 IN.) - POLE MOUNT

EQUIPMENT LIST "B"

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

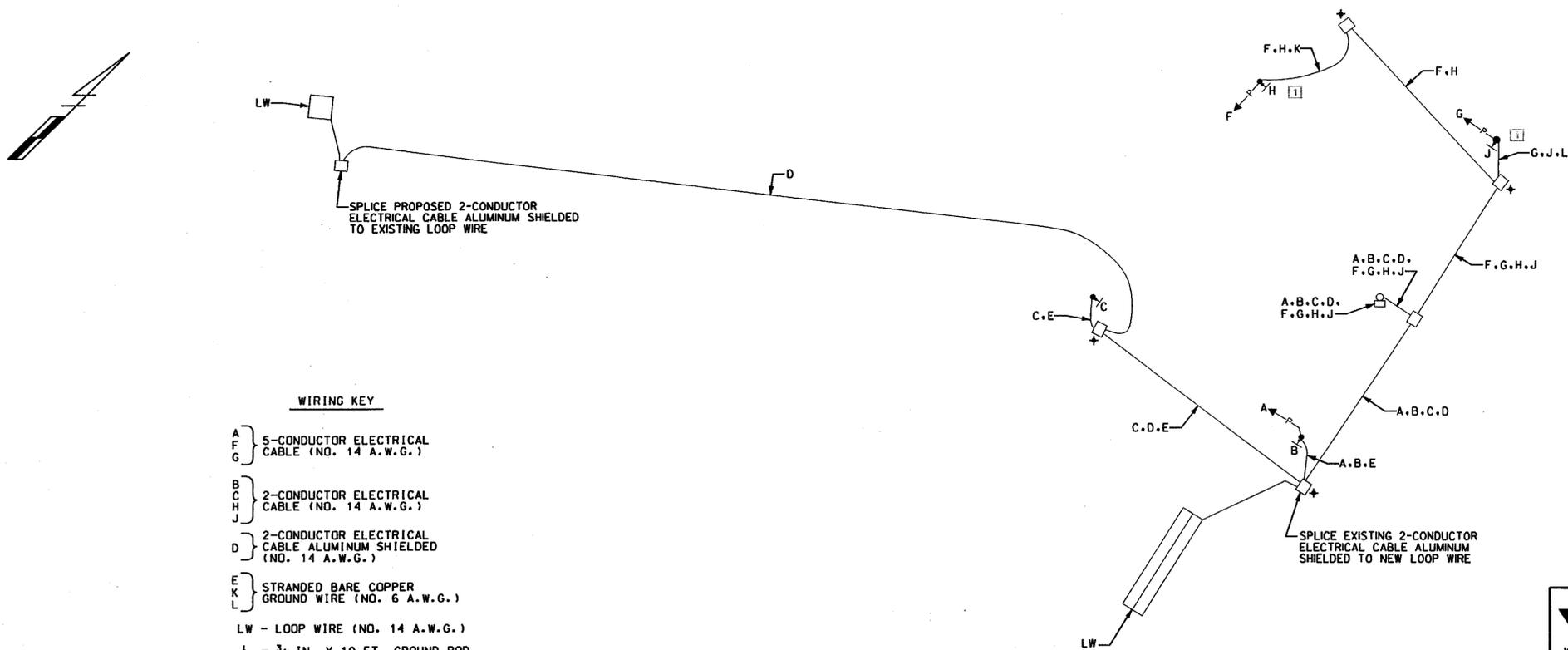
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	6 2 EACH	12 INCH PEDESTRIAN SIGNAL HEAD
8008	1 EACH	ADJUST EXISTING HANDHOLE TO GRADE INCLUDING COLLAR
8009	4 2 EACH	BREAKAWAY PEDESTAL POLE
8013	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8016	70 25 L.F.	2 INCH SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
8023	40 30 S.F.	REMOVE AND RESET DECORATIVE BRICK SIDEWALK
8024	4 2 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8026	180 430 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8036	70 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8037	5 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
8047	4 S.F.	INSTALL OVERHEAD SIGN
8053	4 2 EACH	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8057	1 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8058	425 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8059	560 300 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
8061	370 440 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
8063	495 L.F.	LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G.)
8064	130 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	6 EACH	FURNISH AND INSTALL POLARO 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL WITH 5 IN. x 7 IN. SIGN, BLACK FACE PLATE OPTION 'A' AND BRAILLE TEXT
NEG.	1 EACH	FURNISH AND INSTALL CENTRAL CONTROL UNIT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



WIRING KEY

- A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- F } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- C } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- H } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J } 2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIELDED (NO. 14 A.W.G.)
- D } 2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIELDED (NO. 14 A.W.G.)
- E } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- K } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- L } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- LW - LOOP WIRE (NO. 14 A.W.G.)
- + - 3/4 IN. X 10 FT. GROUND ROD

WR&A
Whitman, Reardon
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 195 (CARROLL AVE.) AND LAUREL AVE.

DRAWN BY: S. BLOSS	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO. AT5825185		
SCALE: NONE	COUNTY: MONTGOMERY	T.I.M.S. NO.	
DATE: 5/10/2005	LOG MILE:	G796	2 OF 2