

**PROJECT DESCRIPTION**

**GENERAL**

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 210 (INDIANHEAD HIGHWAY) AND PALMER /LIVINGSTON ROAD TO REPLACE A DAMAGED STRAIN POLE IN PRINCE GEORGES COUNTY, MARYLAND. MD 210 (INDIANHEAD HIGHWAY) 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 SHALL BE USED.

**MAINTENANCE OF TRAFFIC**

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

- |   |  |
|---|--|
| 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:

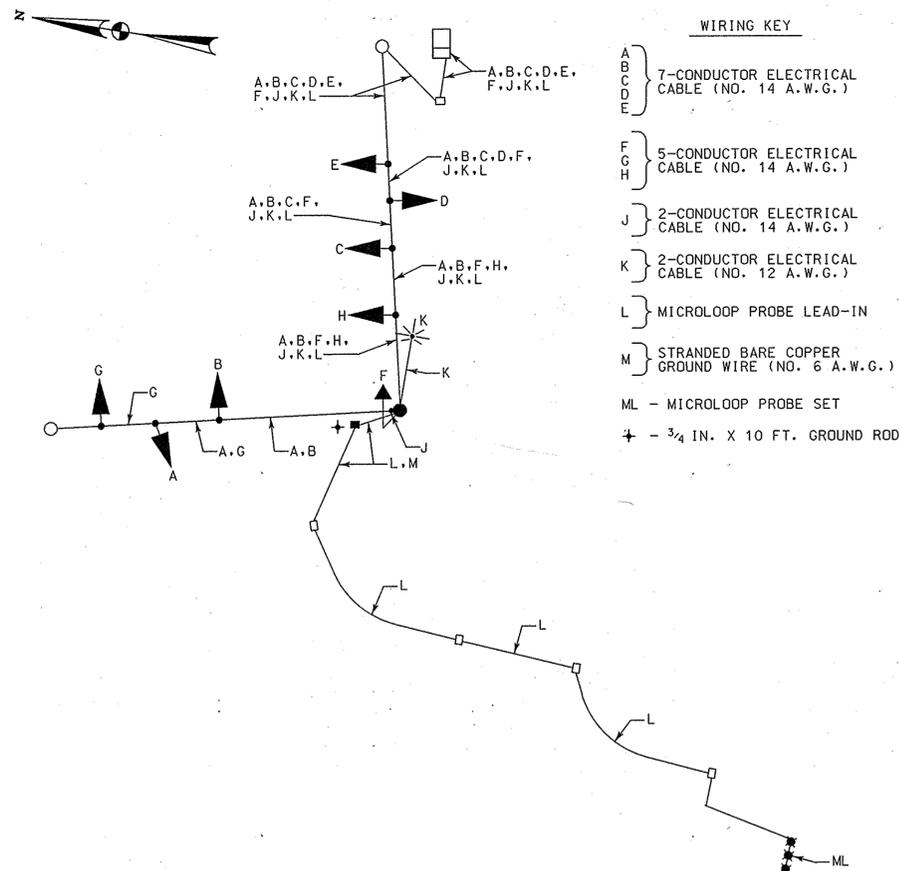
MR. LEE STARKLOFF  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 513-7358

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

MR. RALEIGH MEDLEY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 513-7304

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

**WIRING DIAGRAM**



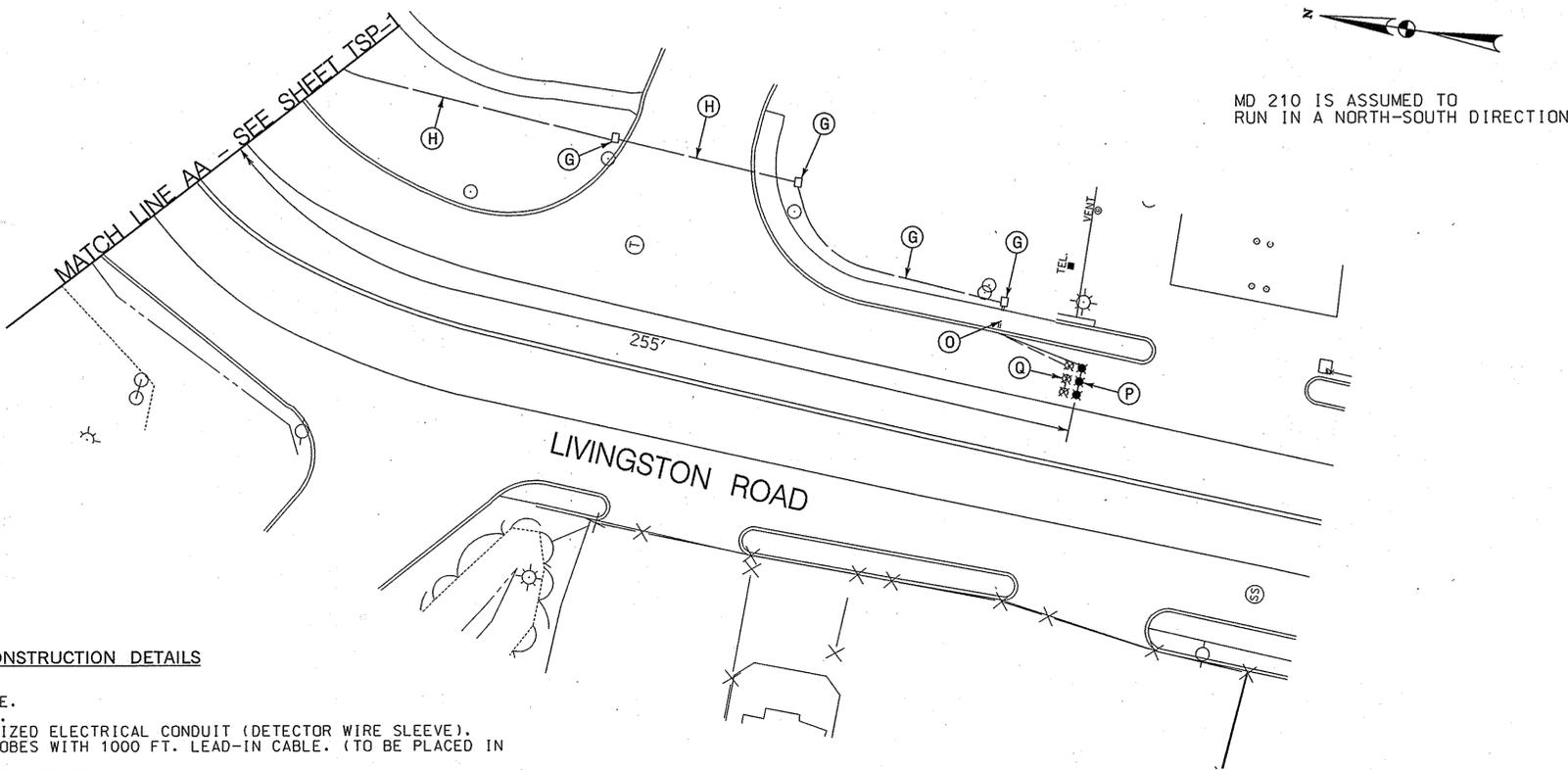
**EQUIPMENT LIST "B"**

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 EACH	TEST PIT EXCAVATION
6003	32 S.F.	4 INCH CONCRETE SIDEWALK
8001	5 C.Y.	CONCRETE FOUNDATION
8005	1 EACH	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
8018	1 EACH	PUSHBUTTON AND SIGN
8020	1 EACH	REMOVE AND DISPOSE OF EQUIPMENT
8022	40 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8026	270 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 A.W.G.) TO
8030	15 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8031	10 L.F.	1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE
8037	10 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8047	1 EACH	MICROLOOP PROBE SET WITH 1000 FOOT LEAD-IN CABLE
8050	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8052	27 S.F.	INSTALL OVERHEAD SIGN
8057	1 EACH	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
8059	1 EACH	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8065	270 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
8067	315 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
8068	1200 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
8070	20 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
8073	1 EACH	INSTALL STRAIN POLE, ANY SIZE
8074	95 L.F.	STEEL SPAN WIRE - 1/4 INCH DIAMETER
8075	265 L.F.	STEEL SPAN WIRE - 3/8 INCH DIAMETER
8079	2 EACH	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION
8080	23 EACH	12 INCH RED OR GREEN LED SIGNAL HEAD SECTION

**CONSTRUCTION DETAILS**

- G. USE EXISTING HANDHOLE.
- H. USE EXISTING CONDUIT.
- O. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- P. INSTALL MICROLOOP PROBES WITH 1000 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- Q. ABANDON EXISTING MICROLOOP PROBE SET.



**EQUIPMENT LIST "A"**

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	12 IN. X 32 FT. STEEL STRAIN POLE WITH ANCHOR BOLTS

**EQUIPMENT LIST "C"**

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

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 210 (INDIAN HEAD HIGHWAY) AT  
PALMER ROAD/LIVINGSTON ROAD

**GENERAL INFORMATION SHEET**

**WR&A**  
Whitman, Reardon  
and Associates, LLP  
801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450

SCALE 1" = 20'	DATE 2/09/2006	CONTRACT NO. OT2005
DESIGNED BY S. BLOSS	COUNTY PRINCE GEORGES	
DRAWN BY S. BLOSS	LOGMILE	
CHECKED BY N. LEARY	T.I.M.S. NO. H647	
F.A.P. NO. TS 918F-GI	TOD NO. TS-918F	
DRAWING NO. <del>ISP-2</del> 2 OF 2	SHEET NO. OF	

BY: BDNOWAY