

PROJECT DESCRIPTION

I. GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION TO THE FOLLOWING INTERSECTIONS IN PRINCE GEORGE'S COUNTY.

- MD 410 AT MD 212 - REPLACEMENT OF LOOP DETECTORS
- MD 410 AT AGER ROAD - RECONSTRUCTION
- MD 410 AT MD 500 - REALIGNMENT OF SIGNAL HEADS/LOOP REPLACEMENT/SIGN
- MD 410 AT US 1 - RELOCATION OF PEDESTAL MOUNTED SIGNAL HEADS TO OVERHEAD AND REPLACEMENT OF LOOP DETECTORS
- MD 410 AT BELCREST - REPLACEMENT OF LOOP DETECTORS

THIS REVISION IS DUE TO GEOMETRIC IMPROVEMENTS AND RESURFACING OF MD 410. MD 410 RUNS IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

ALL INTERSECTION OPERATIONS SHALL REMAIN EXCEPT FOR NEW SIGNAL INDICATIONS FOR WESTBOUND MD 410 AT AGER ROAD.

III. CONSTRUCTION NOTES

(FOR LOCATION OF BELOW ITEMS, PLEASE CONTACT TRAFFIC OPERATIONS DIVISION (ROBERT SNYDER AT 410-787-7635))

1. REALIGNMENT OF SIGNAL HEADS AT MD 500, INSTALLATION OF R3-3B SIGN (NO LEFT OR U TURN SYMBOL), AND LOOP REPLACEMENT.
ALELPHI - INSTALLATION OF NEW R3-6 AND R3-5L SIGNS.
BELCREST - LOOP DETECTOR REPLACEMENT
2. UPON COMPLETION OF MD 410 & AGER ROAD, THE CONTRACTOR SHALL NOTIFY MS. SCHERYL BROWN AT (410)787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MS. SCHERYL BROWN FOR NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

EQUIPMENT LISTS

A. EQUIPMENT TO BE SUPPLIED BY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9001	4 EACH	12" ONE-WAY, THREE-SECTION (R.A.Y.A.GA) SIGNAL HEAD - SPAN MOUNTED
9002	4 EACH	12" ONE-WAY, THREE-SECTION (R.Y.G) SIGNAL HEAD - MAST ARM MOUNTED
9003	2 EACH	3M, 12" ONE-WAY, THREE-SECTION (R.Y.G) SIGNAL HEAD - MAST ARM MOUNTED
9004	1 EACH	12" ONE-WAY, THREE-SECTION (R.Y.G) SIGNAL HEAD - POLE MOUNTED
9005	1 EACH	(SIZE 6), CABINET INTERSECTION MONITOR CONTROLLER ASC II WITH TELEMETRY
9006	18 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF (GROUND MOUNTED HARDWARE) 2 EACH W3-3 NEW "SIGNAL AHEAD", (36" X 36")
9007	46 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF (OVERHEAD MOUNTED HARDWARE) 1 EACH R10-11 "NO TURN ON RED" (MAST ARM MOUNTED) 1 EACH M3-2 "EAST" (12" X 24") - MAST ARM MOUNTED 1 EACH M1-6 "410" (24" X 30") - MAST ARM MOUNTED 1 EACH M6-1 "ARROW" (21" X 15") - MAST ARM MOUNTED 1 EACH R3-6, (30"x36") 1 EACH R3-5L (30" x 36") 1 EACH R3-4 (NO U-TURN SYMBOL) - SPAN MOUNTED (24" X 24") 1 EACH R3-3B (NO LEFT OR U-TURN SYMBOL) - SPAN MOUNTED (24" X 24")
9008	7 EACH	MICRO-LOOP PROBE SET (500')
9009	119 EACH	MICRO-LOOP PROBE SET (1000')
* 9010	8 EACH	4-CHANNEL AMPLIFIER
* 9011	1 EACH	DETECTOR RACK POWER SUPPLY

* TO BE INSTALLED BY SHA SIGNAL SHOP FORCES.

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

ITEM NO.	QUANTITY	DESCRIPTION
2003	1 C.Y.	TEST PIT EXCAVATION
2006	31 C.Y.	REMOVAL OF EXISTING SIDEWALK
2008	4 C.Y.	REMOVE CONCRETE MONOLITHIC MEDIAN - 4'
6004	40 L.F.	F/I CONCRETE MONOLITHIC MEDIAN - 4' (PAID FOR AS REMOVAL OF EXISTING MASONRY)
6007	50 S.F.	F/I 5" CONCRETE SIDEWALK
8001	9 C.Y.	F/I CONCRETE SIGNAL FOUNDATION
8002	34 L.F.	F/I 4" X 4" WOOD SIGN SUPPORTS

8004	1 220 190 L.F.	F/I 1" ELECTRICAL CONDUIT - GALVANIZED SLEEVE
8005	185 L.F.	F/I 2" SCHEDULE 40 RIGID PVC CONDUIT - TRENCHED
8006	40 L.F.	F/I 4" SCHEDULE 40 RIGID PVC CONDUIT - TRENCHED
8007	470 L.F.	F/I 2" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8008	70 L.F.	F/I 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8009	140 L.F.	F/I 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT -FOR DETECTOR SLEEVE
8010	1 EACH	CONTROL AND DISTRIBUTION OF EQUIPMENT
8011	19 EACH	F/I ELECTRICAL HANDHOLE
8012	18 S.F.	INSTALL GROUND MOUNTED SIGN
8013	46 S.F.	INSTALL OVERHEAD SIGN
8016	1 EACH	F/I STEEL POLE WITH A SINGLE 38' MAST ARM
8017	1 EACH	F/I STEEL POLE WITH A SINGLE 50' MAST ARM
8018	3 EACH	RESURVEY AND ASBUILT
8019	2 EACH	F/I 250 WATT HPS LAMP AND LUMINAIRE
8020	365 L.F.	F/I #6 AWG STRANED BARE COPPER GROUND WIRE
8021	3 EACH	F/I GROUND ROD
8022	8832 L.F.	F/I ELECTRICAL CABLE, 2-CONDUCTOR (ALUMINUM SHIELDED)
8023	1040 L.F.	F/I ELECTRICAL CABLE, 5-CONDUCTOR (NO. 14 AWG)
8024	650 L.F.	F/I ELECTRICAL CABLE, 7-CONDUCTOR (NO. 14 AWG)
8025	450 L.F.	F/I ELECTRICAL CABLE, 2-CONDUCTOR (NO. 12 AWG) TRAY CABLE
8026	120 L.F.	F/I #6 AWG 3 WIRE ELECTRICAL CABLE (NO. 4 AWG)
8027	13062 L.F.	F/I LOOP WIRE (NO. 14 AWG)
8028	1 5280 4780 L.F.	F/I SAWCUT FOR SIGNAL (LOOP DETECTOR)
8029	2 EACH	F/I 15' LIGHTING ARM ON SIGNAL STRUCTURES
8030	1 EACH	INSTALL CONTROLLER AND CABINET - BASE MOUNT
8031	LUMP SUM	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8032	1 18 1/8 EACH	INSTALL MICRO-LOOP PROBE SET
8033	11 EACH	INSTALLATION OF SIGNAL HEAD
8034	2 EACH	USE EXISTING PLAN ON DISK AND ASBUILT TRAFFIC CONTROL DEVICE
8035	6 EACH	RELOCATE AND/OR ALIGNMENT OF SIGNAL HEADS
8036	1 EACH	F/I BULL RING
8037	1 EACH	F/I 40' CLASS II WOOD POLE
8038	30 L.F.	F/I 3/8" SPAN WIRE
8039	LUMP SUM	SALAGE OF EXISTING EQUIPMENT
8040	LUMP SUM	DELIVERY OF SALVAGED EQUIPMENT

UTILITIES

THE FOLLOWING CONTACT PERSONS FOR DISTRICT ARE AS FOLLOWS:

MR. CHARLIE WATKINS
DISTRICT ENGINEER
PHONE (310) 543-6715

MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE (410) 513-7300

MR. RANDY BROWN, ACTING
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE (410) 513-7304

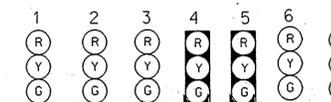
MR. SONNY LAUER
ASSISTANT DISTRICT ENGINEER - UTILITY
PHONE (410) 513-7450

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

THE POWER COMPANY REPRESENTATIVE IS

POTOMAC ELECTRIC POWER COMPANY (PEPCO)
ATTN: MR. RON BEESON
CUSTOMER ENGINEER
PRINCE GEORGE'S COUNTY REGION
8300 OLD MARLBORO PIKE
UPPER MARLBORO, MD 20772
PHONE (301) 967-5323

PHASE CHART FOR MD 410 AT AGER ROAD



	1	2	3	4	5	6	7
PHASE 2 & 6	G	G	G	G	G	R	R
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	R	G	G
4 CHANGE	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

<p>REVISIONS</p> <p>1 RED LINE No. 1 08/12/97</p>		<p>APPROVALS</p> <p>ASST. DIVISION CHIEF, TEDD</p> <p>ASST. DISTRICT ENGINEER, TRAFFIC</p> <p>CHEF, TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>DIRECTOR, OFFICE OF TRAFFIC & SAFETY</p>		<p>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION</p> <p>Office of Traffic & Safety</p> <p>TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>MD 410 AT 212/AGER ROAD/MD 500/US 1 AND BELCREST ROAD</p> <p>(GENERAL INFORMATION SHEET)</p>	
<p>DRAWN BY:</p> <p>CHECK BY:</p> <p>SCALE: 1" = 20'</p>		<p>F.A.P. NO.</p> <p>S.H.A. NO. PG1805171</p> <p>COUNTY PRINCE GEORGE'S</p>		<p>PLAN SHEET NO.: G1</p> <p>SHEET NO.: 20 OF 39</p>	