

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNALS AT THE INTERSECTIONS OF MD 210 (INDIANHEAD HIGHWAY) AND PALMER / LIVINGSTON ROAD AND MD 210 (INDIANHEAD HIGHWAY) AND LIVINGSTON ROAD / SWAN CREEK IN PRINCE GEORGES COUNTY, MARYLAND. MD 210 (INDIANHEAD HIGHWAY) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

MD 210 AND LIVINGSTON ROAD / PALMER ROAD

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 210 APPROACHES OPERATING CONCURRENTLY AND THE LIVINGSTON ROAD / PALMER ROAD APPROACHES OPERATING SPLIT.

EXCLUSIVE LEFT-TURN PHASING EXISTS FOR NORTHBOUND AND SOUTHBOUND MD 210 APPROACHES AND EXCLUSIVE LEFT-TURN PHASING IS PROVIDED FOR LIVINGSTON ROAD/ PALMER ROAD APPROACHES.

AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ON SOUTH LEG OF MD 210 AND PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS THE EAST LEG OF PALMER ROAD.

MD 210 AND LIVINGSTON ROAD / SWAN CREEK ROAD

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL BE USED AT BOTH INTERSECTIONS.

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. JEFF WENTZ 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

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	18 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH R3-5(L) SIGN (30 IN. x 36 IN.) - SPAN MOUNT - 4 EACH R10-4(1) SIGN (9 IN. x 12 IN.) - POLE MOUNT

EQUIPMENT LIST "C"

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

EQUIPMENT LIST "B"

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

CATEGORY CODE	QUANTITY	DESCRIPTION
203030	3 C.Y.	TEST PIT EXCAVATION
585462	900 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
585405	1950 L.F.	5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585407	1570 L.F.	5 INCH YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585408	340 L.F.	10 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585620	490 L.F.	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585624	195 L.F.	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585626	4 EACH	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTERS
585630	6 EACH	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
801004	4 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
802145	1 EACH	ADJUST EXISTING HANDHOLE
802501	300 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805115	35 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805135	600 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805160	25 L.F.	1 INCH LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810550	1 EACH	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
810555	3 EACH	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
811001	△ 6-7 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	18 S.F.	INSTALL OVERHEAD SIGN
813023	60 S.F.	RELOCATE EXISTING GROUND MOUNTED SIGNS
818004	4 EACH	10 FOOT BREAKAWAY PEDESTAL POLE
837001	4 EACH	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
860265	3 EACH	RELOCATE EXISTING SIGNAL HEAD
860284	21 EACH	12 INCH L.E.D. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861105	400 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	1010 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
862102	70 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
800000	2 EACH	16 IN. COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION
800000	1 EACH	INSTALL CONDUIT BEND IN EXISTING FOUNDATION
800000	4 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION
800000	3 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
800000	1 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT
800000	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
△ NEG.	115 L.F.	30 IN. HEAT APPLIED SAND COLOR PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING

△ REVISED QUANTITIES
3/14/2006

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 RD /
LIVINGSTON RD AND SWAN CREEK RD / LIVINGSTON RD

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

GENERAL INFORMATION SHEET
SCALE NONE DATE 01/01/2005 CONTRACT NO. PG808A21
DESIGNED BY N. LEARY COUNTY PRINCE GEORGES
DRAWN BY B. DONOWAY LOGMILE
CHECKED BY N. LEARY T. I. M. S. NO.
F.A.P. NO. TOD NO. TS-818.F
DRAWING NO. TSP-5 - 5 OF 5 SHEET NO. OF

BY: SBLOSS