

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE TEMPORARY TRAFFIC SIGNAL AT MD 210 (INDIAN HEAD HIGHWAY)/ SB I-95/I-495 OFF-RAMP (RAMP C) FOR STAGE IV CONSTRUCTION. INTERSECTION LIGHTING WILL BE PROVIDED AT THIS LOCATION. IT IS ASSUMED THAT MD 210 (INDIAN HEAD HIGHWAY) RUNS IN A NORTH-SOUTH DIRECTION. THE POSTED LIMIT IS 40 MPH.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA THREE-PHASE OPERATION, FULLY-ACTUATED MODE. MD 210 (INDIAN HEAD HIGHWAY) AND SB I-95/I-495 OFF RAMP (RAMP C) WILL OPERATE IN SEPARATE PHASES.

CONTROLLER REQUIREMENTS

MAINTAIN FULL-TRAFFIC-ACTUATED, SOLID STATE EIGHT-PHASE CONTROLLER WITH TELEMETRY MODULE, LOOP DETECTOR AMPLIFIER AND VIDEO TRAFFIC DETECTION SYSTEM HOUSED IN THE NEMA SIZE '6' POLE MOUNTED CABINET.

SPECIAL NOTE:

EXISTING POLE MOUNTED CONTROLLER CABINET INCLUDES NON-FUSED DISCONNECT SWITCH.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT 3 ARE:
 MR. MAJIB SHAKIB
 ASSISTANT DISTRICT ENGINEER - TRAFFIC
 301-513-7358

THE CONTACT PERSONS FOR THE OFFICE OF TRAFFIC AND SAFETY ARE:
 MR. RICHARD DAFF
 DIVISION CHIEF, TRAFFIC OPERATIONS
 410-787-7630

MR. AUGUSTINE REBISH
 ASSISTANT DISTRICT ENGINEER - UTILITIES
 301-513-7350

MR. ROBERT SYNDER
 ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
 410-787-7631

MR. WAYNE MOWDY
 ASSISTANT DISTRICT ENGINEER - MAINTENANCE
 301-513-7304

MR. ED RODENHIZER
 CHIEF, SIGNAL OPERATIONS
 410-787-7652

MR. EUGENE BAILEY
 TEAM LEADER SIGN OPERATIONS
 410-787-7676

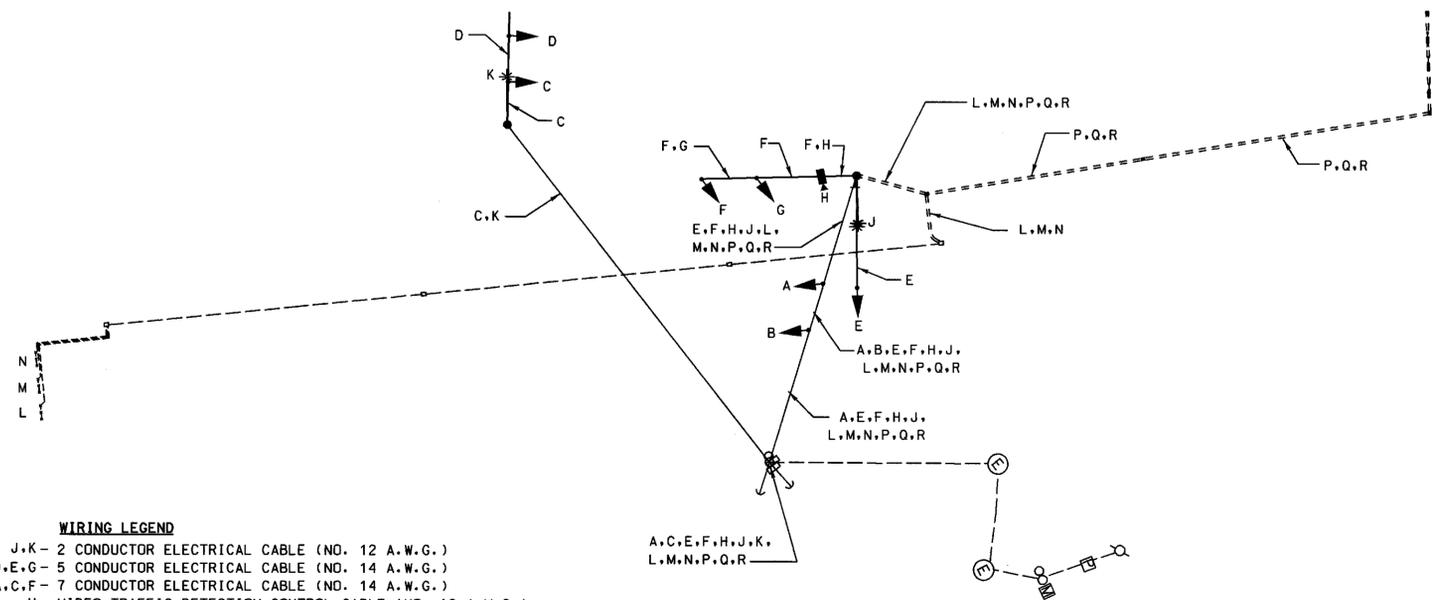
THE POWER COMPANY REPRESENTATIVES ARE:

MR. RICHARD CHILCOAT
 POTOMAC ELECTRIC POWER COMPANY - ELECTRIC SERVICE
 301-967-5805

MR. JOE NICE
 POTOMAC ELECTRIC POWER COMPANY - RELOCATIONS
 202-388-2581



STAGE IV WIRING DIAGRAM
 NOT TO SCALE



- WIRING LEGEND**
- J,K - 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
 - B,D,E,G - 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 - A,C,F - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 - H - VIDEO TRAFFIC DETECTION CONTROL CABLE (NO. 18 A.W.G.)
 - P,Q,R - NONINVASIVE DETECTOR LEAD-IN CABLE
 - L,M,N - REROUTED MICRO-LOOP LEAD-IN CABLE

NOTE: EXISTING WIRING NOT DETAILED SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.

UNCOIL EXCESS VIDEO TRAFFIC DETECTION CONTROL CABLE AND MICRO-LOOP PROBE LEAD-IN CABLE AND REROUTE TO THE EXISTING CONTROLLER CABINET.

COIL EXCESS NONINVASIVE DETECTOR LEAD-IN CABLE AND VIDEO TRAFFIC DETECTOR CABLE FOR RELOCATION IN FUTURE CONSTRUCTION PHASES.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE MDSA.
 NOTE: NO EQUIPMENT IS TO BE SUPPLIED BY MDSA. ALL MATERIALS ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

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

CAT. CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
203030	2 CY	TEST PIT EXCAVATION
585624	45 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
800000	550 LF	PULL BACK AND REROUTE EXISTING ELECTRICAL CABLE
801004	8 CY	CONCRETE FOR SIGNAL FOUNDATION
810601	3 EA	NONINVASIVE DETECTOR, 500 FOOT LEAD IN CABLE
818036	1 EA	STEEL POLE WITH A SINGLE 50 FOOT MAST ARM
831010	2 EA	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
860272	21 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	300 LF	ELECTRICAL CABLE- 5 CONDUCTOR (NO. 14 AWG)
861116	450 LF	ELECTRICAL CABLE- 2 CONDUCTOR (NO. 12 AWG)
861108	550 LF	ELECTRICAL CABLE- 7 CONDUCTOR (NO. 14 AWG)
866104	2 EA	20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
869101	150 LF	STEEL SPAN WIRE 1/4-INCH DIAMETER
869102	300 LF	STEEL SPAN WIRE 3/8-INCH DIAMETER
800000	1 LS	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT
805135	300 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
805050	2 EA	WEATHER HEAD, 3 INCH
811001	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
818051	1 EA	STEEL POLE WITH TWIN 50 FOOT AND 70 FOOT MAST ARMS

C. ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.
 NOTE: NO EQUIPMENT IS TO BE RETURNED TO MDSA. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	
PHASE 2 & 6	G	G	G	G	R	R	R	←
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	→
PHASE 4	R	R	R	R	G	G	G	←
4 CHANGE	R	R	R	R	Y	Y	Y	→
FLASHING	FL	←						
	Y	Y	Y	Y	R	R	R	→

ADDENDUM NO. 4
 MARCH 10, 2005
 SHEET REPLACED

SP-4 OF SP-23

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TEMPORARY GENERAL INFORMATION SHEET (STAGE IV)
 MD 210 INDIAN HEAD HIGHWAY AT SB I-95/I-495 OFF RAMP (RAMP C)



DRAWN BY: M. PIERRE	F.A.P. NO. PC5075173	SEE TITLE SHEET	TS NO. 4373-G1-P4
CHECKED BY: J. LAWRENCE	S.H.A. NO. NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. E149
SCALE: 12-7-04	LOG MILE: 16021013.33		SHEET NO. 284 of 402

PLOTTED: 10:42 AM on Monday, February 14, 2005
 By: MsSandy Pierre Division: Transportation
 File: m:\1998\018145\210dotem03.dgn