

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A TEMPORARY TRAFFIC SIGNAL AT MD 210 (INDIAN HEAD HIGHWAY)/ SB I-95/I-495 OFF-RAMP (RAMP C) FOR STAGE IB THRU STAGE III 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 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

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

SPECIAL NOTE:

INSTALL NON-FUSED DISCONNECT SWITCH AT POLE MOUNTED CONTROLLER CABINET.

PROJECT CONTACTS

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

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

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

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

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

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



EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE MDSA.

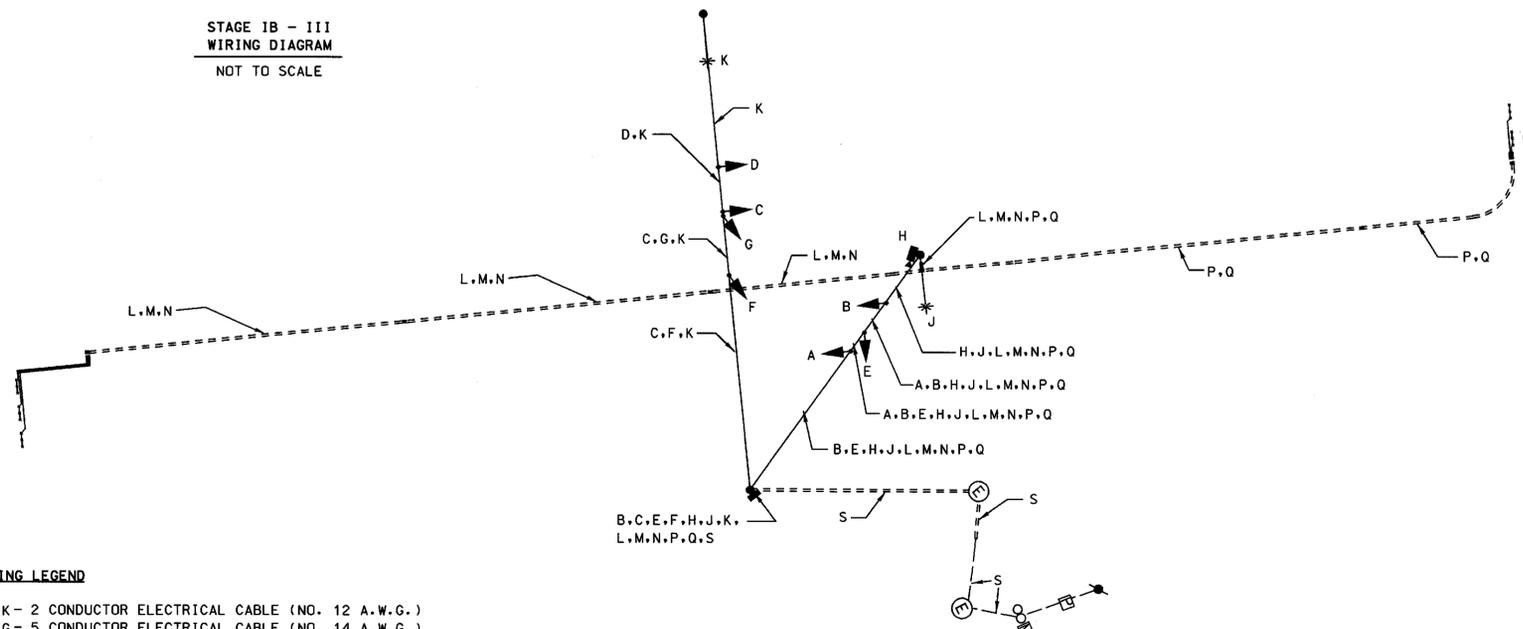
CAT. CODE	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO INTERFACE EQUIPMENT FOR 1 TO 4 CAMERAS
963010	2 EA	FOUR CHANNEL LOOP DETECTOR AMPLIFIER, ROCK MOUNT
971016	1 EA	EIGHT PHASE (FULLY ACTUATED) CONTROLLER AND CABINET-POLE MOUNT
973023	35 SF	SHEET ALUMINUM SIGNS CONSISTING OF: - 1 EACH ASSOCIATED SHIELD ASSEMBLY (48"x75") - SOUTH MD 210 ADVANCE LEFT ARROW - POLE MOUNT - 1 EACH ROUTE MARKER M3-1(24"x12"), M1-5(30"x24"), M6-2(21"x15")- GROUND MOUNT

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

CAT. CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
203030	4 CY	TEST PIT EXCAVATION
585624	115 LF	24 INCH HEAT APPLIED WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	3 EA	40 FOOT TEMPORARY CLASS 2 WOOD POLE
800000	1 EA	FURNISH AND INSTALL NON-FUSED DISCONNECT SWITCH
805050	2 EA	WEATHER HEAD, 3 INCH
805115	200 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
805135	750 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
805160	30 LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
800000	1300 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 2 AWG-THHN/THWN
810555	5 EA	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
811001	6 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
816001	1 EA	VIDEO DETECTION CAMERA
800000	1 EA	VIDEO TRAFFIC DETECTION CONTROL CABLE 300 FEET
831010	2 EA	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE WITH PHOTOCCELL
833060	70 LF	3 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80, RISER
860272	21 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	200 LF	ELECTRICAL CABLE- 5 CONDUCTOR (NO. 14 AWG)
861108	350 LF	ELECTRICAL CABLE- 7 CONDUCTOR (NO. 14 AWG)
861116	450 LF	ELECTRICAL CABLE- 2 CONDUCTOR (NO. 12 AWG)
862102	210 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
866104	2 EA	20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
869101	400 LF	STEEL SPAN WIRE 1/4-INCH DIAMETER
869102	400 LF	STEEL SPAN WIRE 3/8-INCH DIAMETER
871201	1 EA	INSTALL CONTROLLER AND CABINET- POLE MOUNT
805140	25 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
801607	35 SF	INSTALL SHEET ALUMINUM SIGN
811003	1 EA	FURNISH AND INSTALL ELECTRICAL MANHOLE

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.

STAGE IB - III
WIRING DIAGRAM
NOT TO SCALE



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	FL Y	FL Y	FL Y	FL R	FL R	FL R	→

ADDENDUM NO. 4
MARCH 10, 2005
SHEET REPLACED

SP-2 OF SP-23

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

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



DRAWN BY: M. PIERRE	F.A.P. NO. SEE TITLE SHEET	TS NO. 4373-G1-P18	SHEET NO. 282 OF 402
CHECKED BY: J. LAWRENCE	S.H.A. NO. P65075173	T.I.M.S. NO. E149	
SCALE: NONE	COUNTY: PRINCE GEORGE'S	LOG MILE: 16021013.33	
DATE: 12-7-04			

PLOTED: 08:41 AM on Monday, February 14, 2005
By: McSandy, Pierre Division Transportation
FILE: m:\985\038195\210200\em03a.dgn

NOTE: COIL EXCESS VIDEO TRAFFIC DETECTION CONTROL CABLE AND MICRO-LOOP PROBE LEAD-IN CABLE FOR RELOCATION IN FUTURE CONSTRUCTION PHASES.