

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF AN EXISTING SIGNAL AT MD 715 AND OLD PHILADELPHIA ROAD DUE TO MD 715 AND OLD PHILADELPHIA ROAD WIDENING IN HARFORD COUNTY. THE SIGNAL WORK WILL BE CONSTRUCTED AT THE END OF MOT STAGE 4 AND OPERATIONAL FOR THE FINAL SIGNAL OPERATION. NON INVASIVE PROBES WILL BE INSTALLED AND SIGNAL HEAD ALIGNMENT WILL BE DONE. MD 715 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION IS TO OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE. MD 715 NORTHBOUND AND SOUTHBOUND WILL OPERATE CONCURRENTLY WITH PROTECTED LEFT TURN PHASING WHICH WILL OPERATE IN A LEAD, LAG PHASE FOR THE MD 715 APPROACHES. THE OLD PHILADELPHIA ROAD APPROACHES SHALL OPERATE CONCURRENTLY.

NOTES

- FOR FINAL PAVEMENT MARKINGS, REFER TO THE PAVEMENT MARKING PLANS, AS APPLICABLE; OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH ADMINISTRATION STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN THE APPROPRIATE 800 SERIES STANDARD PLATES. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- DISCONNECTING AND SPlicing OF INTERCONNECT CABLE SHALL BE PERFORMED BY SHA FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. ED RODENHIZER AT (410) 787-7650 SEVENTY-TWO HOURS IN ADVANCE OF INTENDED WORK.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUOUS OPERATION OF ALL INTERCONNECT, VEHICULAR, PEDESTRIAN DETECTORS, AND LIGHTING DEVICES. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO THE ADMINISTRATION AFTER NOTIFICATION BY THE ENGINEER.
- UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

CONTACTS

DISTRICT

MR. DAVE PEAKE
DISTRICT ENGINEER
PHONE: (410) 229-2310

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 229-2381

MR. MIKE PASQUARIELLO
DISTRICT ENGINEER - UTILITIES
PHONE: (410) 229-2341

MR. JESSE FREE
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 229-2421

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 229-2361

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

CAT CODE	QUANTITY	DESCRIPTION
970323	17.50 S.F. 2 EA	SHEET ALUMINUM SIGNS W9-2(4) 30"x42"

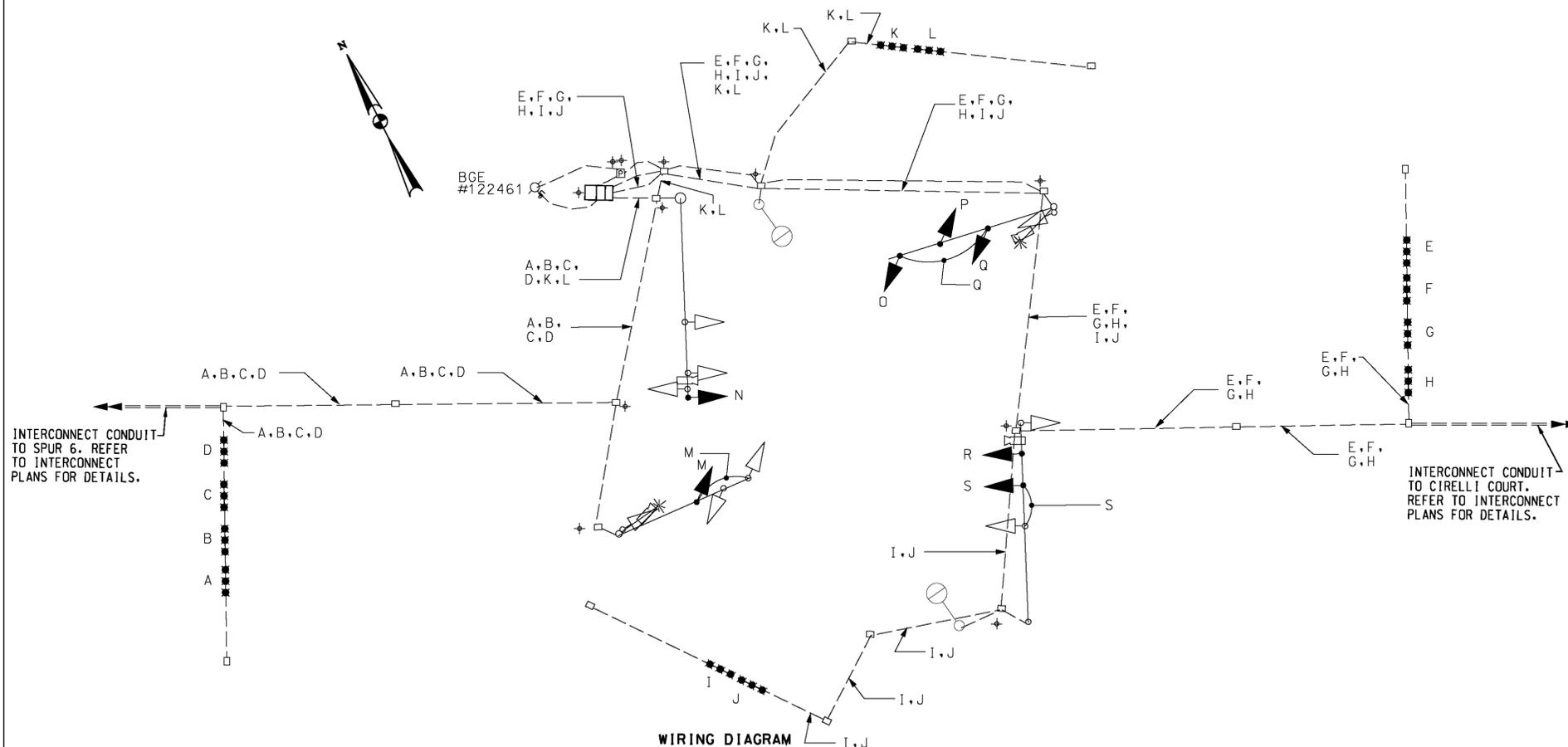
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

CAT CODE	QUANTITY	DESCRIPTION
585625	230 L.F.	FURNISH AND INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES (STOP LINE)
860265	7 EA.	RELOCATE EXISTING SIGNAL HEAD
810550	4 EA.	FURNISH AND INSTALL NON INVASIVE PROBE DETECTOR 500 FT LEAD - IN WIRE.
810555	8 EA.	FURNISH AND INSTALL NON INVASIVE PROBE DETECTOR 1,000 FT LEAD - IN WIRE.
813015	17.5 SQ FT	INSTALL OVERHEAD SIGN
800000	1 EA.	RELOCATE EXISTING SIGN ON MAST ARM.

C. IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 2 AND 5	←R	←R	←R	R	R	←G	←G	←G	G	G	R	R	R	R	R	R
2 AND 5 CHANGE	←R	←R	←R	R	R	←Y	←Y	←Y	G	G	R	R	R	R	R	R
PHASE 2 AND 6	←R	←R	←R	G	G	←R	←R	←R	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	←R	←R	←R	G	G	←R	←R	←R	Y	Y	R	R	R	R	R	R
PHASE 1 AND 6	←G	←G	←G	G	G	←R	←R	←R	R	R	R	R	R	R	R	R
1 AND 6 CHANGE	←Y	←Y	←Y	Y	Y	←R	←R	←R	R	R	R	R	R	R	R	R
PHASE 4 AND 8	←R	←R	←R	R	R	←R	←R	←R	R	R	G	G	G	G	G	G
4 AND 8 CHANGE	←R	←R	←R	R	R	←R	←R	←R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R



KEY

A, B, C, D, E, F, G, H, I, J, K, L } PROPOSED NON - INVASIVE PROBE LEAD-IN CABLES

M, N, O, P, Q, R, S } USE EXISTING CABLE

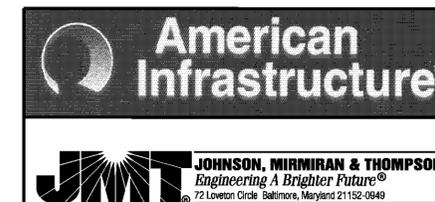
⊕ EXISTING GROUND ROD



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 715 (SHORT LANE) AT OLD PHILADELPHIA RD
ABERDEEN, MARYLAND

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	MAY 8, 2012	CONTRACT NO.	HA2705171
DESIGNED BY	CGM	COUNTY	HARFORD		
DRAWN BY	CGM	LOGMILE	12071500.51		
CHECKED BY	GAB	TMS NO.	K307		
FAP NO.	SEE TITLE SHEET	TOD NO.			



BY: MUNIZ