

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic signal to accommodate lane shifts for MOT operations on US 13 over Pocomoke River in Somerset County. The project will include the relocation of signal heads, installation of video detection for EB/WB MD 364 and NB US 13, and the installation of non-invasive probes for SB US 13. At the conclusion of construction, the signal heads will be restored to its existing condition. US 13 is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- The signal will continue to operation in a NEMA 4-phase, semi-actuated mode, with permissive left turn phasing on all approaches.
- The existing NEMA full-traffic-actuated, eight (8) phase controller housed in a base-mounted NEMA 6 cabinet will remain in operation at this location.

NOTES

- For temporary pavement markings, refer to the MOT 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 labeling 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.
- 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.
- Video camera location and aligning shall be coordinated with the SHA Engineer.

CONTACTS

DISTRICT (ONE)

MR. GREG HOLSEY
DISTRICT ENGINEER
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MR. KENNETH CIMINO
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-677-4040

MR. BRUCE W. POOLE
UTILITY ENGINEER
410-677-4082

MR. RYAN WHITE
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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ASSISTANT DISTRICT ENGINEER - MAINTENANCE
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OFFICE OF TRAFFIC AND SAFETY

MS. CORREN JOHNSON
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ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

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

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

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

CAT CODE	DESCRIPTION	UNITS	QUANTITY
900000	VIDEO DETECTION INTERFACE EQUIPMENT FOR 1-8 CAMERAS	EA	1

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

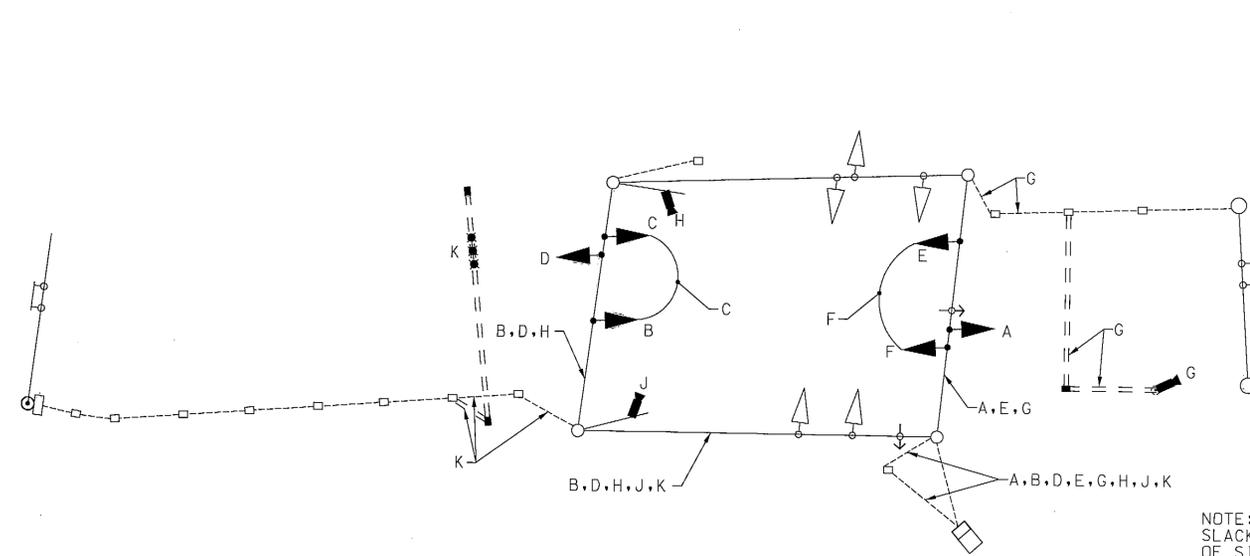
CAT CODE	DESCRIPTION	UNITS	QUANTITY
114245	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKINGS	LF	156
203030	TEST PIT EXCAVATION	CY	1
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
800000	IP-BASED VIDEO DETECTION CAMERA AND CABLE	EA	3
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	1
801106	WOOD SIGN SUPPORTS 4 INCH X 6 INCH	LF	128
802145	ADJUST EXISTING HANDHOLE	EA	1
805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	150
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	150
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	40
810605	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE	EA	2
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	3
813023	RELOCATE EXISTING GROUND MOUNTED SIGNS	SF	100
818006	20 FOOT BREAKAWAY PEDESTAL POLE	EA	1
860265	RELOCATE EXISTING SIGNAL HEAD	EA	18
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	60
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	1050
866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EA	2

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

NO CHANGE

WIRING DIAGRAM (MOT STAGE 2)

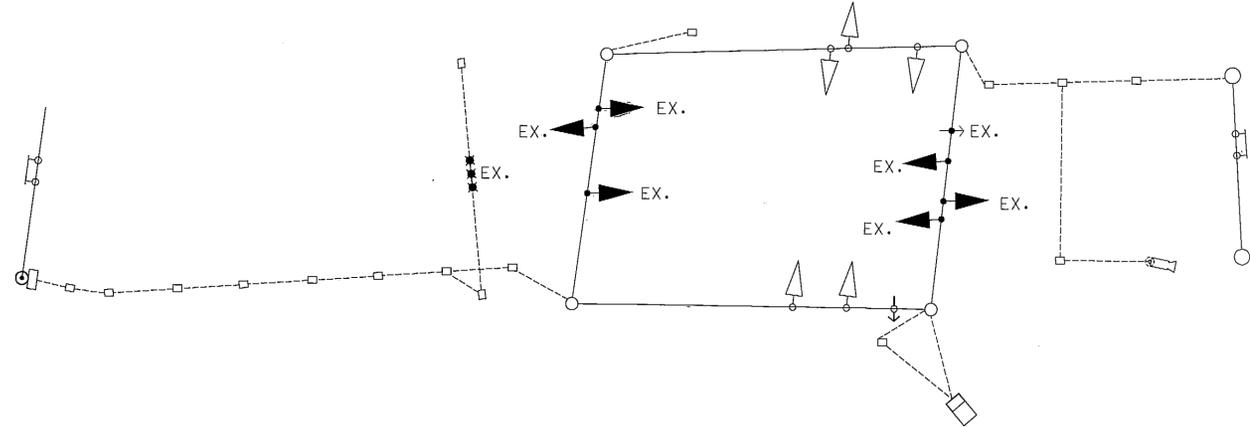


KEY

- A) 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B) 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C) VIDEO DETECTION CABLE
- D) NON-INVASIVE PROBE LEAD-IN CABLE

NOTE: CONTRACTOR SHALL PROVIDE 5' ADDITIONAL SLACK IN CABLES B AND E FOR FUTURE RELOCATION OF SIGNAL HEADS.

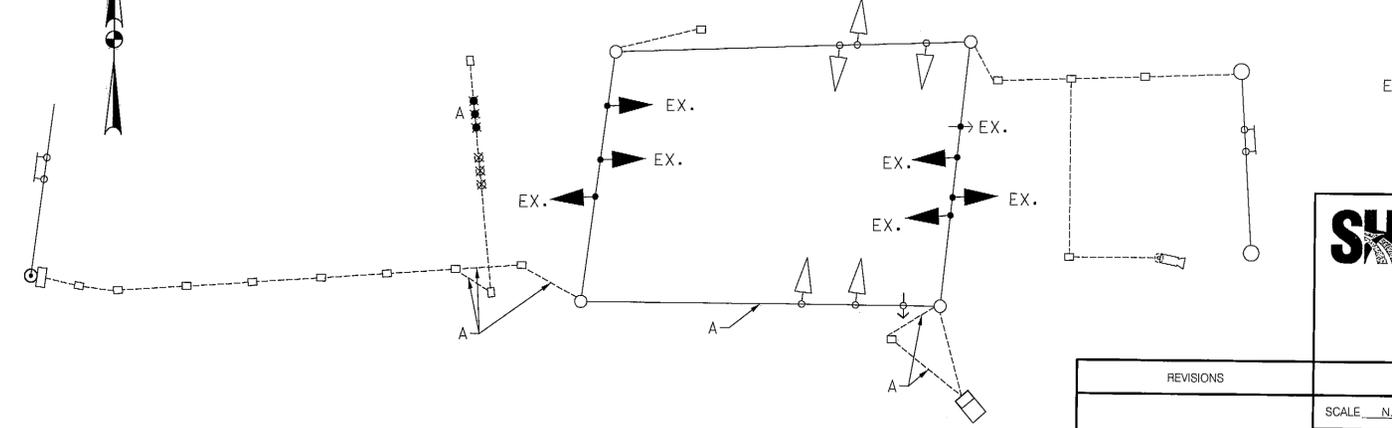
WIRING DIAGRAM (MOT STAGE 3)



KEY

- EX.) USE EXISTING CABLE

WIRING DIAGRAM (ULTIMATE)



KEY

- EX.) USE EXISTING CABLE
- K) NON-INVASIVE PROBE LEAD-IN CABLE



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 13 (OCEAN HIGHWAY) AT
MD 364 (MARKET STREET / DIVIDING CREEK ROAD)
POCOMOKE CITY, MARYLAND

GENERAL INFORMATION SHEET

SCALE	N.T.S.	ADVERTISED DATE	AUGUST 2013	CONTRACT NO.	W02236180
DESIGNED BY	R. WANG	COUNTY	SOMERSET		
DRAWN BY	R. WANG	LOGMILE	19001300.26		
CHECKED BY	A. GRIFFIN	TMS NO.			
F.A.P. NO.	SEE TITLE SHEET	TOD NO.			
TS NO.	383	DRAWING	SG-04 OF 04	SHEET NO.	33 OF 99

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