



- CONSTRUCTION DETAILS**
- INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - REMOVE EXISTING SIGNAL HEADS & SIGNS AND INSTALL SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA ON EXISTING MAST ARM
 - REMOVE EXISTING SIGN AND VIDEO DETECTION CAMERA, RELOCATE EXISTING SIGNAL HEADS, INSTALL SIGNAL HEAD, VIDEO DETECTION CAMERA AND SIGN ON EXISTING MAST ARM
 - REMOVE EXISTING SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA AND MAST ARM
 - REMOVE EXISTING SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MAST ARM AND POLE
 - INSTALL 14 FT. BREAKAWAY PEDESTAL POLE AND SIGNAL HEAD AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - INSTALL 10 FT. PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
 - USE EXISTING BASE MOUNTED CABINET AND CONTROLLER AND INSTALL VIDEO INTERFACE EQUIPMENT
 - INSTALL ELECTRICAL HANDHOLE
 - INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
 - USE EXISTING CONDUIT
 - USE EXISTING HANDHOLE
 - CAP AND ABANDON EXISTING CONDUIT
 - REMOVE EXISTING HANDHOLE
 - ADJUST EXISTING HANDHOLE TO FINAL GRADE
 - INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
 - INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH DIAGONAL HATCHING (45 DEGREES AT 24 IN. SPACING)
 - INSTALL DETECTABLE WARNING SURFACE
 - REMOVE EXISTING PAVEMENT MARKINGS
 - INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 3-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - REMOVE EXISTING MICRO-LOOP PROBES AND INSTALL NEW MICRO-LOOP PROBES
 - REMOVE EXISTING PEDESTAL POLE AND SIGNAL HEAD
 - INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - SLOTTED

- GENERAL NOTES**
- 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 UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
 - ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROAD PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 818.03, MD 818.01, MD 818.02 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
 - THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
 - THE IMPROVEMENTS SHOWN ON WAUGH CHAPEL ROAD AND RIEDEL ROAD HAVE NOT BEEN CONSTRUCTED BUT WILL BE COMPLETED PRIOR TO THE MD 3 WIDENING SHOWN ON THESE PLANS.
 - SEE SIGNING AND PAVEMENT MARKING SHEETS FOR ADDITIONAL DETAILS.
 - DISCONNECT EXISTING INTERCONNECT CABLE FROM THE EXISTING CONTROLLER AND PULL BACK TO THIS POINT. REINSTALL CABLE THROUGH NEW CONDUIT TO THE NEW BASE MOUNTED CABINET.

RED LINE REVISION NO. 1
 November 12, 2010
 Revise side street geometrics and revise the existing controller location.
 TEDD Approval: _____

RED LINE REVISION NO. 2
 January 6, 2011
 Replace existing video detection camera with new video detection camera.
 TEDD Approval: _____

GEOMETRIC LEGEND

EXISTING _____
 PROPOSED _____

UTILITY LEGEND

AERIAL CABLE _____ A
 ELECTRICAL _____ E
 TELEPHONE _____ T
 GAS _____ G
 SEWER _____ S
 WATER _____ W
 CABLE TV _____ TV

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APPROVALS		REVISIONS	
TEAM LEADER		9-15-10	○ SIGNAL MODIFICATION DUE TO GEOMETRIC CHANGES SHA, NO. BW-9958/82
ASST. DIV. CHIEF		TMZ	JKS
DIVISION CHIEF		7-17-06	N REPLACE LOOP DETECTORS WITH VIDEO DETECTORS AT7245185
OFFICE DIRECTOR		6-13-06	M SIGNAL MODIFICATION DUE TO GEOMETRIC CHANGES SHA, NO. BW-9958/82

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=30' DATE 5-3-78 CONTRACT NO. _____

DESIGNED BY K.G.A. COUNTY ANNE ARUNDEL
 DRAWN BY K.G.A. LOGMILE 02000303.96
 CHECKED BY D.ZAFIRIS T.I.M.S. NO. J-663
 F.A.P. NO. N/A TOD NO. _____
 DRAWING NO. TS-1515 O SHEET NO. 1 OF 3

FILE PATH: M:\1700\1774\10-4-10-REDLINE\1-6-11.dgn
 DATE: Thursday, January 06, 2011 AT 12:02 PM