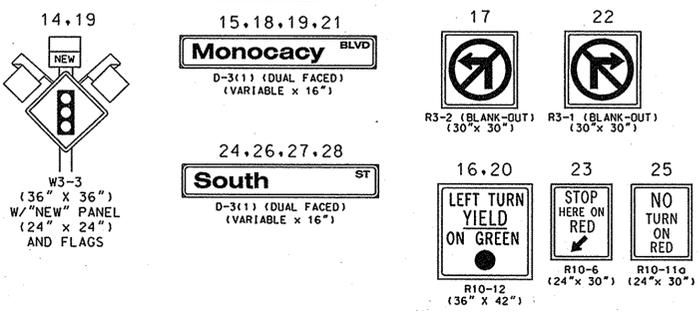
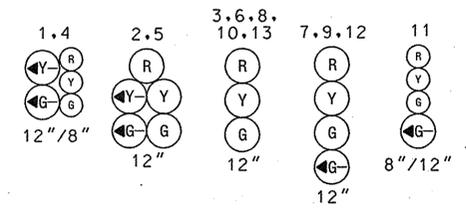


PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PROPOSED SIGNS



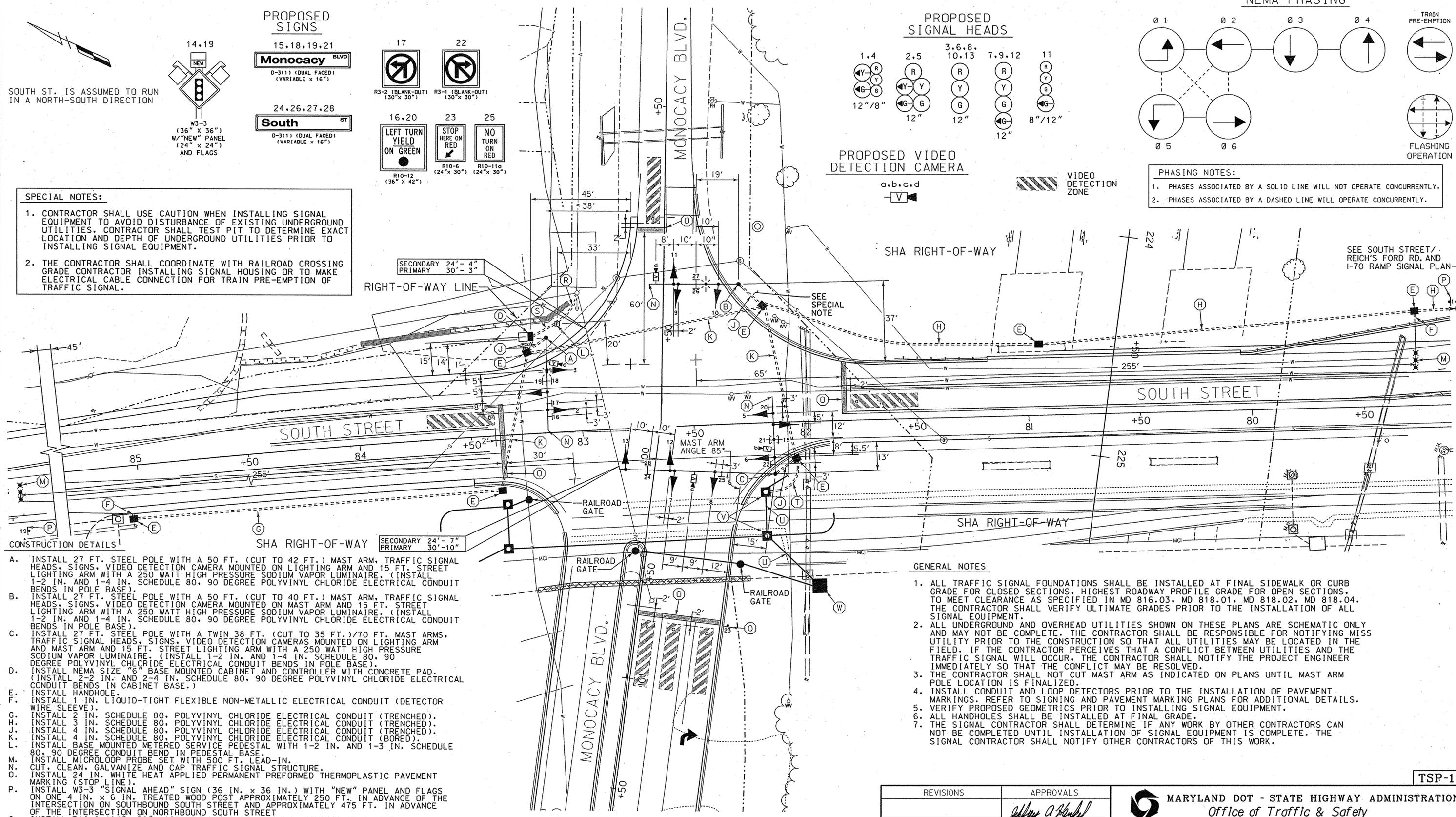
PROPOSED SIGNAL HEADS



PROPOSED VIDEO DETECTION CAMERA



SPECIAL NOTES:
1. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. THE CONTRACTOR SHALL COORDINATE WITH RAILROAD CROSSING GRADE CONTRACTOR INSTALLING SIGNAL HOUSING OR TO MAKE ELECTRICAL CABLE CONNECTION FOR TRAIN PRE-EMPTION OF TRAFFIC SIGNAL.



- A. INSTALL 27 FT. STEEL POLE WITH A 50 FT. (CUT TO 42 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON LIGHTING ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
- B. INSTALL 27 FT. STEEL POLE WITH A 50 FT. (CUT TO 40 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
- C. INSTALL 27 FT. STEEL POLE WITH A TWIN 38 FT. (CUT TO 35 FT.)/70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS MOUNTED ON LIGHTING ARM AND MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
- D. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- E. INSTALL HANDHOLE.
- F. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- G. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- H. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- J. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- K. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
- L. INSTALL BASE MOUNTED METERED SERVICE PEDESTAL WITH 1-2 IN. AND 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND IN PEDESTAL BASE.
- M. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
- N. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
- O. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- P. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. x 6 IN. TREATED WOOD POST APPROXIMATELY 250 FT. IN ADVANCE OF THE INTERSECTION ON SOUTHBOUND SOUTH STREET AND APPROXIMATELY 475 FT. IN ADVANCE OF THE INTERSECTION ON NORTHBOUND SOUTH STREET.
- Q. INSTALL R10-6 (24" x 30") SIGN ON ONE 4 IN. x 4 IN. TREATED WOOD POST.
- R. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
- S. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
- T. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) THE CONDUIT SHALL TIE INTO PROPOSED ELECTRICAL MANHOLE 3 INSTALLED BY RAILROAD GRADE CROSSING CONTRACTOR. (SEE SHEET GXE-1)
- U. USE EXISTING CONDUIT INSTALLED BY RAILROAD GRADE CROSSING CONTRACTOR. (SEE SHEET GXE-1)
- V. USE EXISTING ELECTRICAL MANHOLE INSTALLED BY RAILROAD GRADE CROSSING CONTRACTOR. (SEE SHEET GXE-1)
- W. USE EXISTING SIGNAL HOUSING INSTALLED BY RAILROAD GRADE CROSSING CONTRACTOR AND INSTALL ELECTRICAL CABLE FOR SIGNAL PRE-EMPTION.

GENERAL NOTES

- 1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 2. 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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 3. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
- 4. INSTALL CONDUIT AND LOOP DETECTORS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
- 5. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- 6. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
- 7. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
SOUTH STREET AND MONOCACY BLVD.

DRAWN BY: S. BLOSS	F.A.P. NO. FR4265172	TS NO. 4514	SHEET NO.
CHECKED BY: N. LEARY	COUNTY: FREDERICK	T.I.M.S. NO. G 813	OF
SCALE: 1" = 20'	LOG MILE:	DATE: 4/20/2005	

TSP-11