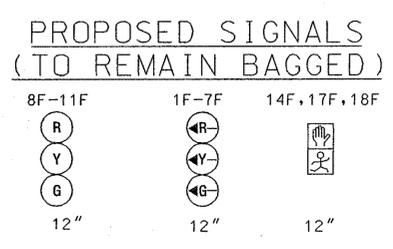


PHASING NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

- (A) INSTALL 40 FT. WOOD POLE AND DOWN GUY WITH A 20 FT. LIGHTING ARM, 250 WATT HPS LAMP AND LUMINAIRE, AND VIDEO DETECTION CAMERAS AS SHOWN.
 - (B) INSTALL 3/8" SPAN WIRE WITH SIGNAL HEADS AND OVERHEAD SIGNS AS SHOWN.
 - (C) INSTALL BASE MOUNTED CABINET, AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: TWO 4 IN. AND TWO 2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
 - (D) VIDEO IMAGING VIRTUAL LOOP LOCATION (TO BE CONFIGURED BY MONTGOMERY COUNTY DPWT).
 - (E) USE EXISTING ELECTRICAL HANDHOLE.
 - (F) INSTALL 40 FT. WOOD POLE AND DOWN GUY WITH A 20 FT. LIGHTING ARM AND VIDEO DETECTION CAMERA.
 - (G) INSTALL 4 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).
 - (H) INSTALL 24 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
 - (I) REMOVE EXISTING PAVEMENT MARKING.
 - (J) USE RELOCATED UTILITY POLE, DISCONNECT AND PULL BACK EXISTING INTERCONNECT CABLE FROM NORTHSIDE OF MD 117. RUN IT ALONG SOUTHSIDE OF MD 117.
 - (K) INSTALL 2 IN. ELECTRICAL CONDUIT PVC RISER AT THE RELOCATED UTILITY POLE. FEED THE EXISTING RE-ROUTED INTERCONNECT CABLE TO THE NEW CONTROLLER.
 - (L) INSTALL ELECTRICAL HANDHOLE.
 - (M) INSTALL 40 FT. WOOD POLE AND DOWN GUY .
 - (N) INSTALL 4" PVC SCHEDULE 80 CONDUIT (SLOTTED)
 - (O) REMOVE EXISTING SIGNAL/PEDESTAL POLES WITH ALL FIXTURES, E.G., MASTARM, SIGNALS, SIGNS, AND LIGHTING ARM.
 - (P) REMOVE, SALVAGE AND DELIVER EXISTING CONTROLLER AND CABINET.
 - (Q) CAP AND ABANDON EXISTING CONDUIT.
 - (R) REMOVE EXISTING HANDHOLE.
 - (S) PROPOSED SERVICE. (SERVICE WILL BE PROVIDED FROM THE RELOCATED UTILITY POLE).
 - (Y) INSTALL REMOVABLE PREFORMED PAVEMENT MARKING ARROW.
- THE FOLLOWING CONSTRUCTIONS (NOTES T THROUGH X) SHALL BE DONE DURING PHASE 1 ROAD CONSTRUCTION
- (T) INSTALL 27' POLE WITH SINGLE 70' MAST ARM, SIGNS, SIGNAL HEADS, PEDESTRIAN SIGNAL, 20' LIGHTING ARM WITH 250 WATT HPS LAMP AND LIMINIAIRE, AND VIDEO DETECTION CAMERA, AS SHOWN. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BENDS AND FOUR-2 IN. X90 IN. ANCHOR BOLTS.) SIGNAL HEADS SHALL BE BAGGED DURING TEMPORARY PHASES.
 - (U) INSTALL 27' POLE WITH SINGLE 70' MAST ARM, SIGNS, SIGNAL HEADS, PEDESTRIAN SIGNALS, AND PUSHBUTTON WITH R10-4(1) SIGN AS SHOWN. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BENDS AND FOUR 2 IN. X 90 IN. ANCHOR BOLTS). SIGNAL HEADS SHALL BE BAGGED DURING TEMPORARY PHASES.
 - (V) INSTALL ELECTRICAL HANDHOLE.
 - (W) INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
 - (X) INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

OVERHEAD CABLE HEIGHTS

45'	PRIMARY
39'	
28'	
25'	
24' 3"	CABLE TV
23'	
20' 6"	CABLE TV
19' 6"	
17' 5"	

UTILITY LEGEND

— G —	GAS MAIN
— W —	WATER MAIN
— S —	SEWER MAIN
— E —	ELECTRIC CABLES
— A —	AERIAL CABLES
— T —	TELEPHONE CABLES

DCI
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
2. CONTRACTOR MUST VERIFY LOCATIONS OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. UNLESS OTHERWISE NOTED ALL EXISTING TRAFFIC SIGNAL CONDUITS AND HANDHOLES SHALL BE CAPPED AND / OR ABANDONED. ALL TRAFFIC SIGNAL POLES, FOUNDATIONS, SIGNAL HEADS AND SIGNS SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR.
4. REFER TO M.O.T. PLANS FOR ADDITIONAL DETAILS.
5. NEW TEMPORARY SIGNAL CONSTRUCTION MUST BE COMPLETED AND TURNED ON BEFORE REMOVING ANY EXISTING SIGNAL EQUIPMENT. THE NEW SIGNAL SHALL BE TESTED TO ENSURE THAT IT IS WORKING PROPERLY. UPON SATISFACTORY TEST, THE EXISTING SIGNAL EQUIPMENT CAN BE REMOVED, AND THE EXISTING INTERCONNECT CABLE WILL BE ROUTED TO THE NEW CONTROLLER AND THE SPLICE BOX.
6. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

TEMPORARY SIGNAL PHASE 1

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNAL PLAN
MD 117 AT PERRY PARKWAY

DRAWN BY: W.K. TAYLOR	F.A.P. NO. BW-478-802-312	TS NO. 3173A	SHEET NO.
CHECKED BY: DENNIS DODA	COUNTY: MONTGOMERY	T.I.M.S. NO.	148 OF 191
SCALE: 1"=20'	LOG MILE: J501171.91		
DATE: OCTOBER, 1991			

A. 06/01 TEMPORARY SIGNAL FOR GEOMETRIC CHANGES (M079151711)
DCI 1/28/91

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