

GENERAL NOTES

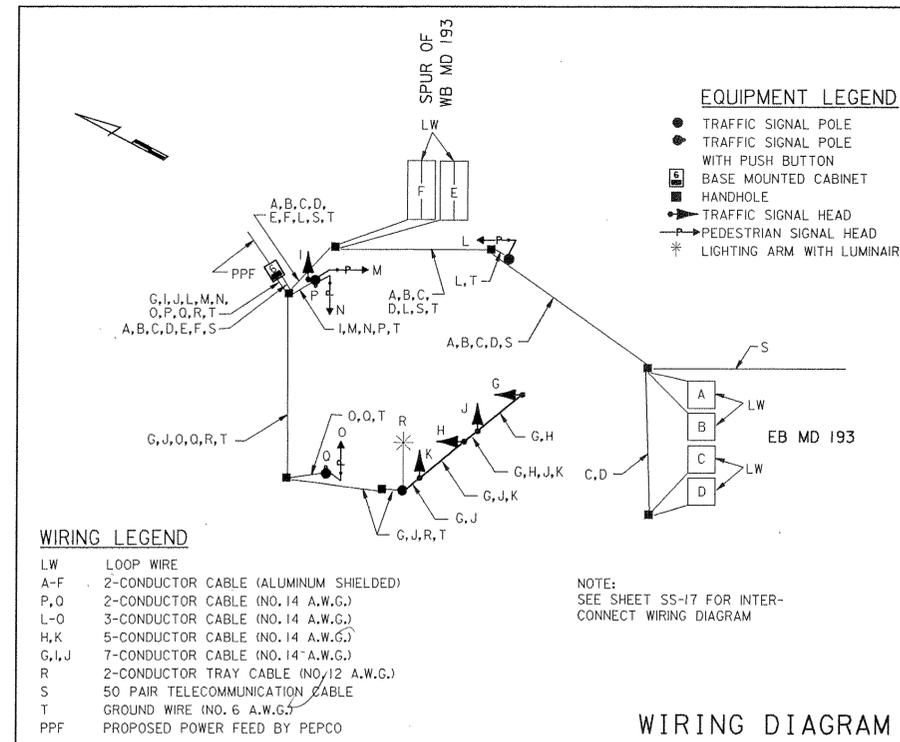
- Geometrics shall be confirmed prior to the installation of signal equipment.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings.
- All utilities are shown in their approximate locations and are not to be considered as complete. The Contractor shall be responsible for contacting Miss Utility to verify the location of all utilities. The Contractor shall contact The Project Engineer prior to construction if there may be potential conflicts.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
- All luminaires must to be full cut off.
- "D.O." indicates delay output loop detector.
- See Utility Plans for utility location.
- All loops must be installed in the base course paving, after the milling is completed.
- To start signal operation loop detectors on spur must be in place and operational.
- Upon completion of this project, the Contractor shall notify Mr Robert Snyder at (410) 787-7631 to arrange for the telephone line installation. The contractor is to provide Mr. Robert Snyder with the nearest street address, zip code and telephone.
- All patching shall be done with type "B" pavement, as per roadway details.

INTERSECTION OPERATION

The intersection of Eastbound MD 193 and Spur of Westbound MD 193 will operate in a NEMA two-phase semi-traffic-actuated mode with eastbound MD 193 operating alone with a pedestrian phase and spur of westbound MD 193 operating alone, with an alternate pedestrian phase.

CONSTRUCTION DETAILS

- Install 27' steel pole with 3" weatherhead, 52' mast arms, 20' lighting arm and luminaire, traffic signal heads and signs as shown (NOTE: 2-3" PVC 90 degree angle conduit bend).
- Install 8' breakaway pedestal pole with pedestrian signal head, and, push button as shown (NOTE: 1-2" PVC 90 degree angle conduit bend).
- Install 10' breakaway pedestal pole with traffic signal head, pedestrian signal heads, push button and signs as shown (NOTE: 1-2" PVC 90 degree angle conduit bend).
- Install 8' breakaway pedestal pole with pedestrian signal head, and signs as shown (NOTE: 1-2" PVC 90 degree angle conduit bend).
- Install traffic signal controller with control and distribution equipment (see drawing B-16) in base-mounted, system-ready cabinet (NOTE: 1-2" PVC 90 degree angle (schedule 80) conduit bend and 2-4" PVC 90 degree angle conduit bends).
- Install handhole.
- Install 1" electrical conduit detector wire sleeve.
- Install 2" schedule 40 electrical conduit-trenched/buried.
- Install 3" schedule 40 electrical conduit-trenched/buried.
- Install 4" schedule 40 electrical conduit-trenched/buried.
- Install 4" schedule 80 electrical conduit-slotted.
- Install 4" schedule 40 electrical conduit-trenched/buried with 1" flexible corrugated inner conduit (color-orange) with an inner pull string.
- Install 4" schedule 80 electrical conduit-slotted with 1" flexible corrugated inner conduit (color-orange) with an inner pull string.
- Install 6'x 30' loop detector, quadrupole type (2-4-2 turns).
- Install 6'x 6' loop detector (3 turns).
- Install ground mounted sign.



PHASING CHART

	1	2	3	4	5	6	7	8	9	
	(R)	(R)	(R)	(R)	(R)					
	(Y)	(Y)	(Y)	(Y)	(Y)	(DW)	(DW)	(DW)	(DW)	
	(G)	(G)	(G)	(G)	(G)	(WK)	(WK)	(WK)	(WK)	
PHASE 2	G	G	R	R	R	WK	WK	DW	DW	←
PED. CLEAR.	G	G	R	R	R	FL/DW	FL/DW	DW	DW	→
PHASE 2 CHANGE	Y	Y	R	R	R	DW	DW	DW	DW	
PHASE 4	R	R	G	G	G	DW	DW	DW	DW	↓
4 CHANGE	R	R	Y	Y	Y	DW	DW	DW	DW	
PHASE 4 ALT.	R	R	G	G	G	DW	DW	WK	WK	↑
PED. CLEAR.	R	R	G	G	G	DW	DW	FL/DW	FL/DW	↑
4 ALT. CHANGE	R	R	Y	Y	Y	DW	DW	DW	DW	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	↑

SS-08

RUMMEL, KLEPPER & KAHL
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

REVISIONS:	APPROVALS:	MDOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION	
	CHEF SIGNAL DESIGN SECTION	LOG MILE # 15019304.22	
	ASST. DISTRICT ENGINEER TRAFFIC	DRAWN BY: ZAJ	EB MD 193 @ SPUR OF WB MD 193
	CHEF TRAFFIC ENGINEERING DESIGN DIVISION	DES. BY: ZAJ	GENERAL INFORMATION
	DIRECTOR OFFICE OF TRAFFIC & SAFETY	CHK. BY: [Signature]	COUNTY: MONTGOMERY
		DATE: SEPTEMBER, 1995	TS/STD. NO.:
		SCALE: None	SHEET NO.:
		F.A.P. NO.:	TS-3533-GI-I
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