

PROJECT DESCRIPTION

This project involves cutting back the concrete median of MD 97 just south of the intersection to better facilitate the double left from Dennis Avenue westbound. This will require removal of a handbox in the median and the abandonment of the detection loop in the MD 97 Northbound left turn lane. Rather than replacing the loop, the left turns will be detected using a video detection camera which is to be installed. Where the concrete median was removed, it shall be replaced with an asphalt patch which should be at the same grade as the adjacent pavement. Since the median is being cut back, the existing stop line for MD 97 northbound shall be removed and a new stop line installed 4' south of the new median nose.

Additionally, both pedestal poles within the medians of MD 97 at the intersection will be removed and the signal heads placed on the spans. The signs currently mounted on those poles will instead be installed on new wood supports to be placed in new sleeved foundations in the median.

Finally, the existing signal heads will be upgraded to black-faced signal heads, a 3 section head will be upgraded to a 4 section, and a new near side 4 section head will be installed for eastbound Dennis Avenue.

CONTACT LIST

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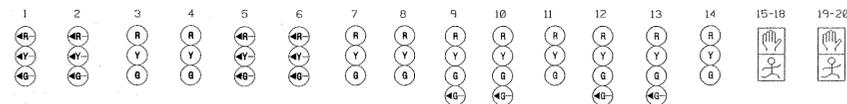
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PHASE CHART



Phase 1 & 5	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R	R	R	R	DW	DW	
Phase 1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	DW	
1 Change	←Y-	←Y-	G	G	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	DW	
Phase 2 & 5	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	R	R	R	DW	DW	
5 Change	←R-	←R-	R	R	←Y-	←Y-	G	G	R	R	R	R	R	R	R	DW	DW	
Phase 2 & 6	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	R	R	R	WK	DW	
Ped Clearance	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	R	R	R	FL/DW	DW	
2 & 6 Change	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R	R	R	R	DW	DW	
Phase 3	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	DW	
3 Change	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	DW	
Phase Alt 3	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	WK	
Ped Clearance	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	FL/DW	
Alt 3 Change	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	DW	
Phase 4	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	DW	
4 Change	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	R	R	R	DW	DW	
Flashing Operation	←FL/R-	←FL/R-	FL/Y	FL/Y	←FL/R-	←FL/R-	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

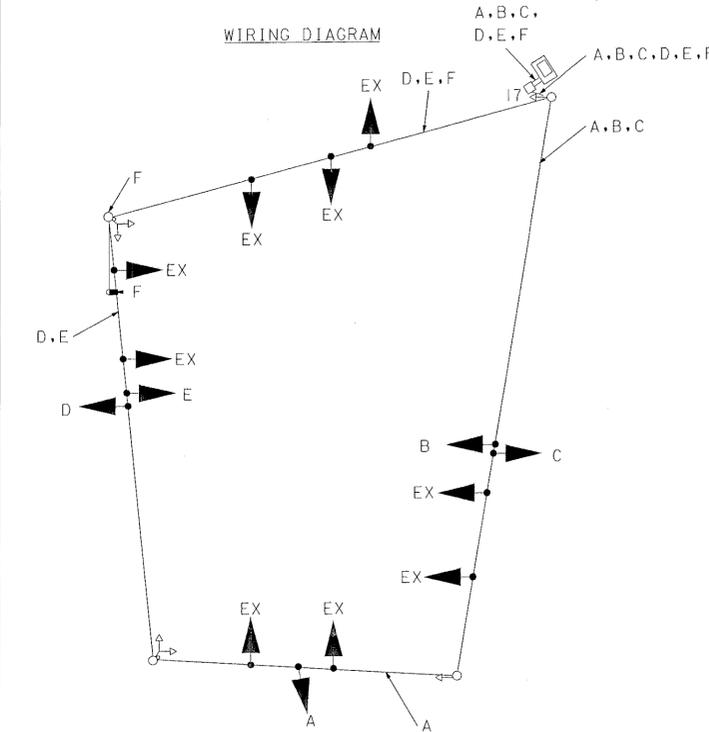
ITEM NO.	QUANTITY	DESCRIPTION
9004	16.2 SF	SHEET ALUMINUM SIGN - 1 24x24 HOSPITAL SIGN (D9-2) - 1 24x12 WHITE ON BLUE ARROW (D95-23) - 2 24x30 KEEP RIGHT (R4-7)

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2001	6 CY	CLASS 2 EXCAVATION
5005	60 LF	24 INCH WHITE HEAT APPLIED THERMO PAVEMENT MARKING
5008	60 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
NEG.	1 LS	TO BE NEGOTIATED - FURNISH AND INSTALL ASPHALT PATCH
NEG.	2 EA	TO BE NEGOTIATED - FURNISH AND INSTALL SLEEVED FOUNDATION FOR WOOD SIGN POST
8001	1 EA	250' VIDEO CABLE TO CONTROLLER
8011	46 EA	F&I 12 IN VEH SIG HEAD SECTION
8047	2 EA	REM & DISPOSE FOUND 12" BELOW GRADE
8048	1 EA	REM & DISPOSE MAT & EQUIP PER ASSIGN
8049	1 EA	VIDEO DETECTION CAMERA
8060	36 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8076	21 SF	INSTALL GROUND MOUNTED SIGN
8087	1000 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 7 CONDUCTOR (NO 14 AWG)

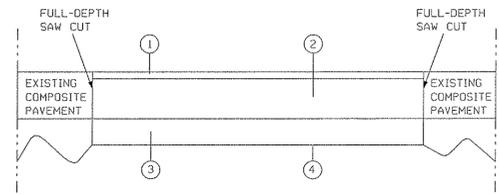
C. EQUIPMENT TO BE REMOVED AND RETURNED TO STATE HIGHWAY ADMINISTRATION

NO EQUIPMENT IS TO BE RETURNED TO SHA IN THIS PROJECT.



EX{ EXISTING WIRING TO REMAIN
A,B,C,D,E{ 7 CONDUCTOR #14 AWG ELECTRICAL CABLE
F{ VIDEO CABLE

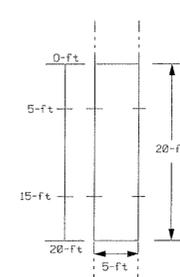
MEDIAN REPLACEMENT CROSS-SECTION (ASPHALT PATCH DETAIL)



- ① 1.5" HOT-MIX ASPHALT SUPERPAVE 12.5mm FOR SURFACE, PG 64-22, FOR PATCHING
- ② 9" PLAIN PORTLAND CEMENT CONCRETE PAVEMENT TYPE II REPAIRS (SEE NOTE 1)
- ③ 6" BASE COURSE USING GRADED AGGREGATE
- ④ LIMIT OF SUBGRADE AND EXCAVATION

NOTE:
1. THE PROPOSED TYPE II PCC PATCH MUST BE TIED TO THE EXISTING PAVEMENT USING NO. 4 TIE BARS - 25' (J) BARS, PLACED AT 5-FEET AND 15' ON EACH SIDE OF THE LONGITUDINAL JOINT OF THE PATCH.

MEDIAN REPLACEMENT - PLAN VIEW (ASPHALT PATCH DETAIL)



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 97 (GEORGIA AVE) AND DENNIS AVE

DRAWN BY: J. GALES	F.A.P. NO. 216B	TS NO. 216B	SHEET NO.
CHECKED BY: [Signature]	S.H.A. NO. MONTGOMERY	T.I.M.S. NO. E912	2 OF 2
SCALE:	COUNTY: MONTGOMERY	LOG MILE: 15009702.30	
DATE: 4/15/02			