PROJECT DESCRIPTION

This Project involves the modification of the existing traffic control signal at the intersection of MD 140 and Franklin Blvd./Cherry Hill Rd. in Baltimore County .
The modifications involve adding an eastbound right-turn overlap, adding near side signals, replace signal heads with new black-face heads and installing tether wire on the northern signal span of MD 140.

INTERSECTION OPERATION

The intersection operates in a NEMA six phase, full- traffic actuated mode.

There are exclusive-permissive left-turns for both approaches of MD 140.

The MD 140 through movements operate concurrently with a

concurrent pedestrian phase for crossing the west leg of Franklin Blvd.

The Franklin Blvd./Cherry Hill Rd. approaches operate as a split phase.

A push bottom actuated pedestrian phase exists for crossing the north leg of MD 140.

EQUIPMENT TO BE FURNISHED BY SHA

9089	68.5 SF	SHIELD ASSEMBLY SIGNS, POLE MOUNTED MD 140 (48" X 75") - 2 EA SHIELD ASSEMBLY SIGNS, POLE MOUNTED MD 140 (24" X 51")- 2 EA PEDESTRIAN PUSH BOTTOM SIGNS, POLE MOUNTED R10-4(1) (9" X 12")- 2 EA

EQUIPMENT TO BE FURNISHED AND/OR TO BE INSTALLED BY THE CONTRACTOR

1001	1	EA	MAINTENANCE OF TRAFFIC
5005	4	EA	HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTER
5006	7	EA	HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
8010	110	LF	FURNISH AND INSTALL STEEL SPAN WIRE - ¼INCH DIAMETER
8045	400	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8046	245	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)
8053	67	SF	INSTALL OVERHEAD SIGN
8055	1	EA	FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL
8056	1	EA	FURNISH AND INSTALL 15' LIGHTING BRACKET ARM
8060	1	EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8084	36	EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION, BLACK FACE
8085	12	EA	FURNISH AND INSTALL 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION, BLACK FACE
8087	8	EA	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION, BLACK FACE

CONTACT LIST

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Traffic Operations Division
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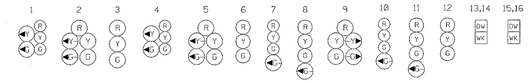
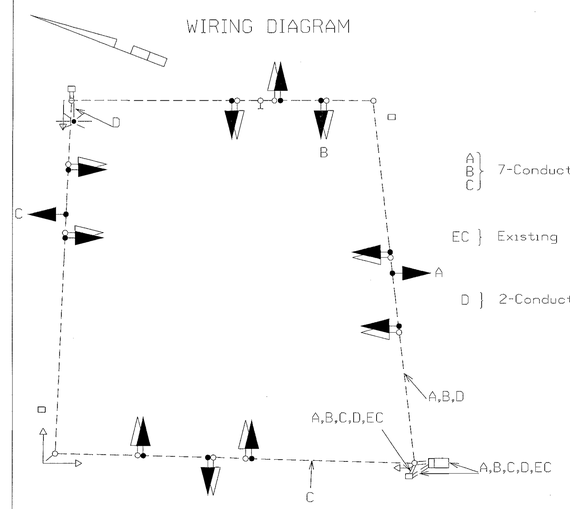
PHASE CHART



Phase 1 & 5	◄G - R	◄G - R	R	◄G - R	◄G - R	R	R	R	R - G►	R	R	R	DW	DW	
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6														
Phase 1 & 6	◄G - G	◄G - G	G	R	R	R	R	R	R - G►	R	R	R	DW	DW	
1 Change	◄Y - G	◄Y - G	G	R	R	R	R	R	R - Y►	R	R	R	DW	DW	
Phase 2 & 5	R	R	R	◄G - G	◄G - G	G	R	R	R	R	R	R	DW	DW	
5 Change	R	R	R	◄Y - G	◄Y - G	G	R	R	R	R	R	R	DW	DW	
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	DW	
Ped. Clear	G	G	G	G	G	R	R	R	R	R	R	R	FL/DW	DW	
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	
Phase 3	R	R	R	R	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW	
3 Change	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	
3 Alt.	R	R	R	R	R	R	R	R	R	G	G	G	DW	WK	
Ped. Clear	R	R	R	R	R	R	R	R	R	G	G	G	DW	FL/DW	
3 Alt. Change	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	
Phase 4	R	R	G	R	R	G	◄G-G	◄G-G	G	R	R	R	DW	DW	
4 Change	R	R	Y	R	R	R	Y	Y	Y	R	R	R	DW	DW	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

WIRING DIAGRAM



A, B, C } 7-Conductor Electrical Cable (No. 14 A. W. G)

EC } Existing cable

D } 2-Conductor Electrical Cable (No. 12 A.W.G.)

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
(C) Add EB RT Overlap, nearside signals & tether and a luminaire & lighting bracket arm to the strain pole. SHA No. XX1005485	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
november 15, 1994 (B) Install Detectors and Interconnect. SHA No. B-156-501-485	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 140 at Franklin Blvd./
Cherry Hill Road

DRAWN BY:	BFVD	F.A.P. NO.	BA258A5F/B9F	TS NO.	SHEET NO.
CHECKED BY:	DD	S.H.A. NO.			
SCALE:	1"=20'	COUNTY:	BALTIMORE	T.I.M.S. NO.	02 OF 02
DATE:	06/07/00	LOG MILE:	03140008.08		