PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 25 (FALLS ROAD) AND MD 130 (STATION DRIVE) IN BALTIMORE COUNTY.

THE MODIFICATION INCLUDES CHANGING THE EXCLUSIVE/PERMISSIVE LEFT TURN ON SOUTHBOUND MD 25 (FALLS ROAD) TO EXCLUSIVE LEFT TURN.

MD 25 IS ASSUMED TO BE RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THIS INTERSECTION IS EQUIPPED WITH AN EIGHT PHASE CONTROLLER HOUSED IN A BASE MOUNTED CABINAT. THE CONTROLLER WILL USE SEVEN PHASES OUT OF EIGHT WITH EXCLUSIVE LEFT TURN PHASING FOR BOTH APPROACHES OF MD 25 (FALLS ROAD). EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR WESTBOUND MD 130.

EQUIPMENT LIST A

EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE S.H.A.

ITEM NO.	QUANTITY	CAT. CODE NO.	DESCRIPTION
9000	2 EA	900000	(MAST ARM MT) 12" 1-WAY, 3-SECTION (RA,YA,GA) SIGNAL (POLYCARBONATE) - BLACK FACE
9000	1 EA	900000	(MAST ARM MT) 12" 1-WAY, 3-SECTION (R,Y,G) SIGNAL (POLYCARBONATE) - BLACK FACE
9089	5 SF	900000	FLAT SHEET ALUM SIGN (24" X 30") R10-10L, (MAST ARM MT)
-	10.5 SF	900000	REMOVE EXISTING SIGN (MAST ARM MOUNTED)
-	2 EA	900000	REMOVE EXISTING SIGNAL HEAD- 12" 5 SECTION MAST ARM MOUNTED
-	100 LF	900000	FURNISHED AND INSTALL ELECTRICAL CABLE 7 CONDUCTOR (#14 AWG)

EQUIPMENT LIST B

EQUIPMENT TO BE FURNISHED/INSTALLED BY THE CONTRACTOR

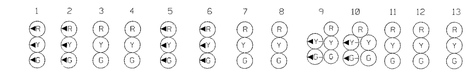
ITEM NO.	QUANTITY	SPEC. SECTION	DESCRIPTION
-	-	-	-

EQUIPMENT LIST C

EQUIPMENT TO BE RETURNED TO THE S.H.A.

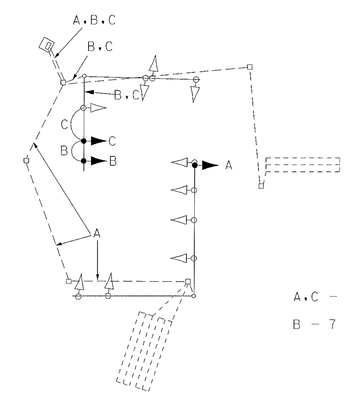
ITEM NO.	QUANTITY	SPEC. SECTION	DESCRIPTION
-	10.5 SF	900000	SIGN (R10-12)
-	2 EA	900000	SIGNAL HEAD- 12" 5 SECTION MAST ARM MOUNTED

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 & 5	◄G-	◄G-	R	R	◄G-	◄G-	R	R	R	R	R	R	R
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6												
PHASE 1 & 6	◄G-	◄G-	G	G	◄R-	◄R-	R	R	R	R	R	R	R
1 CHANGE	◄Y-	◄Y-	G	G	◄R-	◄R-	R	R	R	R	R	R	R
PHASE 2 & 5	◄R-	◄R-	R	R	◄G-	◄G-	G	G	R	R	R	R	R
5 CHANGE	◄R-	◄R-	R	R	◄Y-	◄Y-	G	G	R	R	R	R	R
PHASE 2 & 6	◄R-	◄R-	G	G	◄R-	◄R-	G	G	R	R	R	R	R
2 & 6 CHANGE	◄R-	◄R-	Y	Y	◄R-	◄R-	Y	Y	R	R	R	R	R
PHASE 4 & 7	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G- G	◄G- G	G	R	R
7 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄Y- G	◄Y- G	G	R	R
PHASE 4 & 8	◄R-	◄R-	R	R	◄R-	◄R-	R	R	G	G	G	G	G
4 & 8 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING LEGEND

A,C - USE EXISTING CABLE

B - 7 CONDUCTOR ELECTRICAL CABLE (# 14 AWG)

REVISIONS	APPROVALS
C — CHANGE E/P LT TO EXCLUSIVE FOR SB MD 25 — 05-2001 SHA CONTRACT NO. B-433-501-485 — GCP	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
MD 25 (FALLS ROAD) & MD 130-
(GREENSPRING VAL RD/STATION DR)

DRAWN BY: G. PANCHOLI	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY: D. DODA	S.H.A. NO.	SF-SIGNAL	TS-268 (C)	
SCALE: 1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO.	2 OF 2
DATE: 5/2/01	LOG MILE:	03002503.76	E-667	