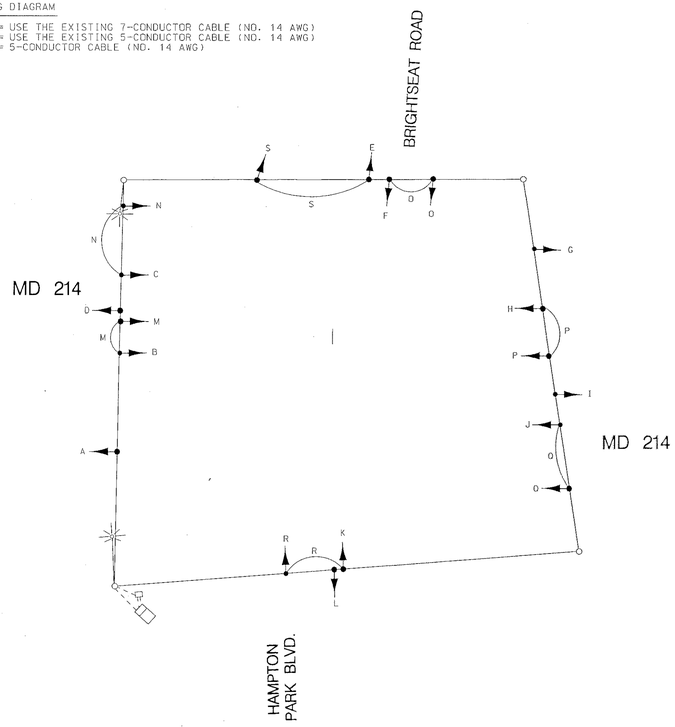
MD 214 IS CONSIDERED TO RUN IN AN EAST/WEST DIRECTION

WIRING DIAGRAM

A-L = USE THE EXISTING 7-CONDUCTOR CABLE (NO. 14 AWG)
M-R = USE THE EXISTING 5-CONDUCTOR CABLE (NO. 14 AWG)
S = 5-CONDUCTOR CABLE (NO. 14 AWG)



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21-22	23	24-25
PHASE 1 & 5	←G—	R	←G—	←G—	R	R	←G—	R	←G—	←G—	R	R	R	R	R→G→	R	R	R	R	DW	DW	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	G	←R—	R	←R—	←R—	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	←Y—	G	←Y—	←Y—	G	G	←R—	R	←R—	←R—	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	←R—	R	←R—	←R—	R	R	←G—	G	←G—	←G—	G	G	R	R	R→G→	R	R	R	R	DW	DW	DW	DW
5 CHANGE	←R—	R	←R—	←R—	R	R	←Y—	G	←Y—	←Y—	G	G	R	R	R→Y→	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	←R—	G	←R—	←R—	G	G	←R—	G	←R—	←R—	G	G	R	R	R	R	R	R	R	WK	WK	WK	DW
PED. CLEAR	←R—	G	←R—	←R—	G	G	←R—	G	←R—	←R—	G	G	R	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	DW
2 & 6 CHANGE	←R—	Y	←R—	←R—	Y	Y	←R—	Y	←R—	←R—	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	←R—	R	←R—	←R—	R	R	←R—	R	←R—	←R—	R	R	←G—G	←G—G	G	R	R	R	R	DW	DW	DW	DW
3 CHANGE	←R—	R	←R—	←R—	R	R	←R—	R	←R—	←R—	R	R	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4	←R—	R	←R—	←R—	R	R	←R—	R	←R—	←R—	R	R	R	R	R	←G—G	G	←G—G	G	DW	DW	DW	DW
4 CHANGE	←R—	R	←R—	←R—	R	R	←R—	R	←R—	←R—	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
4 ALT.	←R—	R	←R—	←R—	R	R	←R—	R	←R—	←R—	R	R	R	R	R	←G—G	G	←G—G	G	DW	DW	DW	WK
PED. CLEAR	←R—	R	←R—	←R—	R	R	←R—	R	←R—	←R—	R	R	R	R	R	←G—G	G	←G—G	G	DW	DW	DW	FL/DW
4 ALT. CHANGE	←R—	R	←R—	←R—	R	R	←R—	R	←R—	←R—	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/RA	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF ALL NEW BLACK FACED SIGNALS ON ALL LEGS OF THE INTERSECTION. IT ALSO INVOLVES THE INSTALLATION OF ADDITIONAL NEAR SIDE SIGNAL HEAD FOR SOUTHBOUND BRIGHTSIDE ROAD.
MD 214 RUNS IN A EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THIS INTERSECTION IS EQUIPPED WITH A EIGHT PHASE FULLY-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. IT OPERATES IN A NEMA SIX (6) PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURNS FOR BOTH EASTBOUND AND WESTBOUND MD 214. MD 214 THROUGH MOVEMENTS WILL RUN CONCURRENTLY. THE HAMPTON PARK BOULEVARD/ BRIGHTSIDE ROAD MOVEMENTS WILL OPERATE AS SIDE STREET SPLITS.

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	71.3 S.F.	
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 214, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 214, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 214, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 214, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8015	63 EACH	F & I 12" BLACK FACED VECHICULAR SIGNAL HEAD SECTION
8050	71.3 S.F.	INSTALL GROUND MOUNTED SIGN
8062	50 L.F.	F & I ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR		

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 214 (Central Avenue) and Hampton Park Boulevard/ Brightside Road
Hampton Park, Maryland

DRAWN BY: W. Malcolm	F.A.P. NO. N/A	T.S. NO. TS-1398	SHEET NO.
CHECKED BY:	S.H.A. NO. 93854 T950287 5		
SCALE: NO SCALE	COUNTY PRINCE GEORGE'S	T.I.M.S. NO. E718	2 OF 2
DATE: 08/2001	LOG MILE 16021403.26		