

PROJECT DISCRPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A PEDESTRIAN SIGNAL ACROSS THE NORTH LEG OF MD 212.

INTERSECTION OPERATION

THE INTERSECTION OPERATION SHALL REMAIN THE SAME WITH THE ADDITION OF AN ALTERNATE PEDESTRIAN PHASE FOR PHASE 4.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9002	1 EA	NEMA LOAD SWITCH
9066	2 EA	PEDESTAL POLE 10 FT WITH T-BASE AND ANCHOR BOLTS

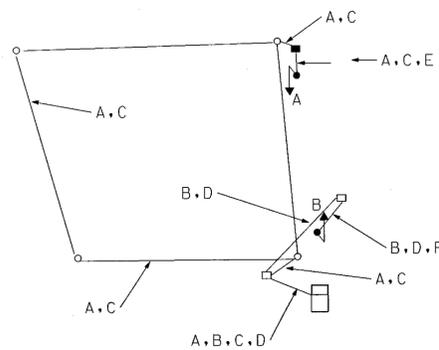
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
2002	2 CY	TEST PIT EXCAVATION
6001	30 LF	FURNISH AND INSTALL DEPRESS CURB AND GUTTER
8010	4 EA	FURNISH AND INSTALL 12 IN PEDESTRIAN SIGNAL HEAD
8041	2 EA	INSTALL STRAIN POLE (ANY SIZE)
8032	2 EA	FURNISH AND INSTALL PUSHBUTTON AND SIGN
8059	2 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8074	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8082	2 EA	FURNISH AND INSTALL GROUND ROD-3/4 INCH X 10 FOOT
8084	120 LF	FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (NO 14 AWG)
8085	150 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 3 CONDUCTOR (NO 14 AWG)
8093	50 LF	FURNISH AND INSTALL TWO INCH PVC ELECTRICAL CONDUIT, SCHEDULE 80, TRENCHED

PHASE CHART

	1	2	3	4	5	6	7-8
Phase 2 & 6	G	G	G	G	R	R	DW
2 & 6 Change	Y	Y	Y	Y	R	R	DW
Phase 4	R	R	R	R	G	G	DW
4 Change	R	R	R	R	Y	Y	DW
4 Alt.	R	R	R	R	G	G	WK
Ped. Clear	R	R	R	R	G	G	FL/DW
4 Alt. Change	R	R	R	R	Y	Y	DW
Flashing	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK
Operation							

WIRING DIAGRAM



A-B - 2 CONDUCTOR CABLE (NO 14 AWG)
 C-D - 3 CONDUCTOR CABLE (NO 14 AWG)
 E-F - NO 6 BARE COPPER GROUND WIRE


MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 MD 212 AND THE ENTRANCE
 TO HIGH POINT HIGH SCHOOL

DRAWN BY:	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: <i>at 2/3</i>	S.H.A. NO. <i>PR1304153</i>	178 C	
SCALE: NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. F343	2 OF 2
DATE:	LOG MILE: 16021207.07		