PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES A TRAFFIC SIGNAL MODIFICATION AT THE INTERSECTION OF MD 173 AND DUVALL HWY/VALLEY ROAD IN ANNE ARUNDEL COUNTY, MARYLAND. MD 173 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA (5) PHASE SEMI ACTUATED MODE. THE MD 173 MOVEMENTS OPERATE CONCURRENTLY, AND THE DUVALL HWY/VALLEY ROAD OPERATES IN SPLIT PHASING WITH ACTUATED PEDESTRIAN MOVEMENTS ACROSS THE SOUTHERN LEG OF THE INTERSECTION.

III. SPECIAL NOTES

1. MAINTENACE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING THE STANDARD PLATES:

PROJECT CONTACTS

MS. KIMBERLY TRAN
ASST. DISTRICT ENGINEER - TRAFFIC
PHONE #(410) 841-1019

MR. ED RODENHIZER
CHIEF OF SIGNAL SHOP
PHONE #(410) 787-7652

MR. CHUCK GEORGE
ASST. DISTRICT ENGINEER - MAINTENANCE
PHONE #(410) 841-1013

MR. JOHN MAYS
UTILITY ENGINEER
PHONE #(410) 841-1039

MR. RICHARD L. DAFF, SR
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE #(410) 787-7630

3. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING THE STANDARD PLATES FOR TRAFFIC CONTROL:

EQUIPMENT LIST

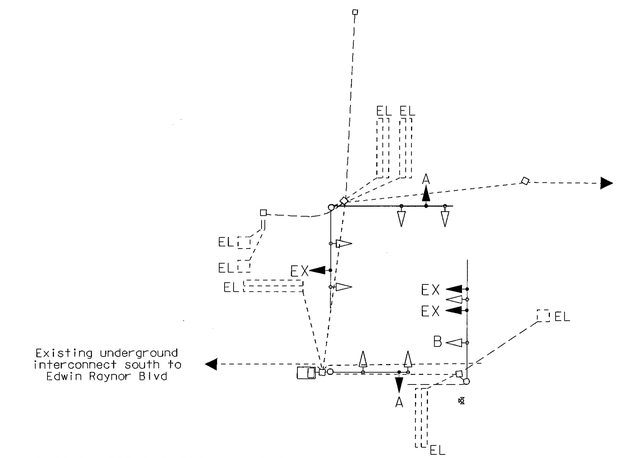
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9571	5 SF	SHEET ALUMINUM POLE MOUNTED SIGN

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

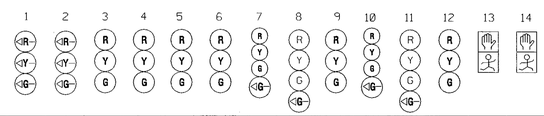
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 ea	MAINTENANCE OF TRAFFIC
8013	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8047	5 SF	INSTALL OVERHEAD SIGN
8052	6 EA	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8053	11 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8058	160 LF	ELECTRICAL CABLE-5 CONDUCTOR (NO. 14 AWG)
8059	290 LF	ELECTRICAL CABLE-7 CONDUCTOR (NO. 14 AWG)

WIRING DIAGRAM



A - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
B - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
EX- USE EXISTING WIRING
EL- EXISTING LOOP WIRE
NOTE: UNLESS OTHERWISE NOTED, ALL EXISTING WIRING WILL BE USED.

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Phase 1 & 6	<G-	<G-	G	G	R	R	R	R	R	R	R	R	DW	DW
1 Change	<Y-	<Y-	G	G	R	R	R	R	R	R	R	R	DW	DW
Phase 2 & 6	<R-	<R-	G	G	G	G	R	R	R	R	R	R	DW	DW
2 & 6 Change	<R-	<R-	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
Phase 4	<R-	<R-	R	R	R	R	<G-G	<G-G	G	R	R	R	DW	DW
4 Change	<R-	<R-	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
Phase 4 Alt.	<R-	<R-	R	R	R	R	<G-G	<G-G	G	R	R	R	WK	WK
Ped Clearance.	<R-	<R-	R	R	R	R	<G-G	<G-G	G	R	R	R	FL/DW	FL/DW
4 Alt. Change	<R-	<R-	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
Flashing Operation	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 173 AND DUVALL HWY./VALLEY ROAD

DRAWN BY: CJW	F.A.P. NO.	TS NO. 21 GI	SHEET NO.
CHECKED BY: MAR	S.H.A. NO.		
SCALE: NONE	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. G-514	1 OF 2
DATE: XXX	LOG MILE: 02017304.17		