PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES A TRAFFIC SIGNAL MODIFICATION AT THE INTERSECTION OF MD 2 AT MD 171 (CHURCH STREET) IN ANNE ARUNDEL COUNTY, MARYLAND. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA (6) PHASE, SEMI ACTUATED MODE. THE MD 2 MOVEMENTS OPERATE CONCURRENTLY WITH CONCURRENT PEDESTRIAN MOVEMENTS ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION. THE MD 171/ SHOPPING CENTER ENTRANCE WILL OPERATE IN SPLIT PHASING WITH ACTUATED PEDESTRIAN MOVEMENT ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION.

III. SPECIAL NOTES

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

2. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

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

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

IV. EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9547	15 SF	EXTRUDED ALUMINUM SIGN

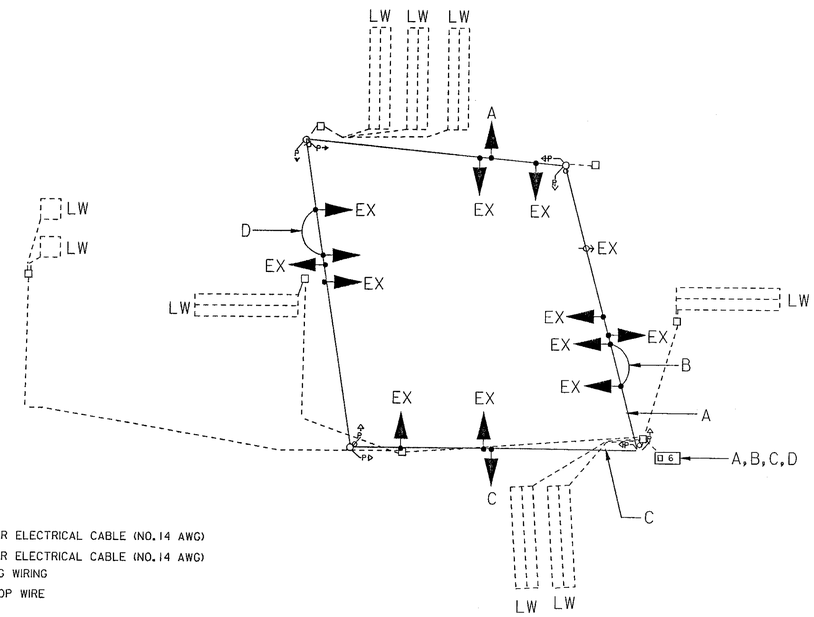
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENACE OF TRAFFIC
8011	40 EA	FURNISH AND INSTALL 12 INCH VEH SIGNAL HEAD SECTION.
8019	6 EA	FURNISH AND INSTALL 8 INCH VEH SIGNAL HEAD SECTION.
8048	1 EA	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8075	15 SF	INSTALL OVERHEAD SIGN
8084	300 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO 14 AWG)
8085	150 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 7 CONDUCTOR (NO 14 AWG)

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.
ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

ITEM NO.	DESCRIPTION
	SIGNAL HEADS, SIGNS

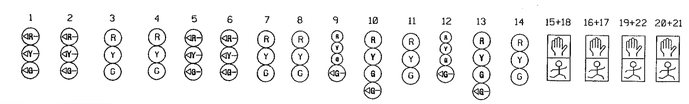
WIRING DIAGRAM



WIRING KEY

A,C	- 7 CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
B,D	- 5 CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
EX	- USE EXISTING WIRING
LW	- EXISTING LOOP WIRE

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15+18	16+17	19+22	20+21
Phase 1 & 5	◄G-	◄G-	R	R	◄G-	◄G-	R	R	R	R	R	R	DW	DW	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	◄R-	◄R-	R	R	R	R	R	R	R	R	DW	WK	DW	DW
1 Change	◄Y-	◄Y-	G	G	◄R-	◄R-	R	R	R	R	R	R	R	R	DW	WK	DW	DW
Phase 2 & 5	◄R-	◄R-	R	R	◄G-	◄G-	G	G	R	R	R	R	R	R	WK	DW	DW	DW
5 Change	◄R-	◄R-	R	R	◄Y-	◄Y-	G	G	R	R	R	R	R	R	WK	DW	DW	DW
Phase 2 & 6	◄R-	◄R-	G	G	◄R-	◄R-	G	G	R	R	R	R	R	R	WK	WK	DW	DW
Ped Clearance	◄R-	◄R-	G	G	◄R-	◄R-	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 & 6 Change	◄R-	◄R-	Y	Y	◄R-	◄R-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
Phase 3	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G-G	◄G-G	G	R	R	R	DW	DW	DW	DW
3 Change	◄R-	◄R-	R	R	◄R-	◄R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW
Phase 3 Alt.	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G-G	◄G-G	G	R	R	R	DW	DW	DW	WK
Ped. Clearance	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G-G	◄G-G	G	R	R	R	DW	DW	DW	FL/DW
3 Alt. Change	◄R-	◄R-	R	R	◄R-	◄R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW
Phase 4	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW	DW	DW
4 Change	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
Phase 4 Alt.	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW	WK	DW
Ped. Clearance	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW	FL/DW	DW
4 Alt. Change	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
2+5 Pre-Emption	◄R-	◄R-	R	R	◄G-	◄G-	G	G	R	R	R	R	R	R	DW	DW	DW	DW
Pre-Emption Clr.	◄R-	◄R-	R	R	◄Y-	◄Y-	G	G	R	R	R	R	R	R	DW	DW	DW	DW
Flashing Operation	FL/ ◄R-	FL/ ◄R-	FL/Y	FL/Y	FL/ ◄R-	FL/ ◄R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

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

MD 2 & MD 171 (CHURCH STREET)

CHL#: AA287A61/B5U TOD#: XX1065H-53

DRAWN BY:		F.A.P. NO.	XXX	TS NO. 795-E	SHEET NO.
CHECKED BY:	XXX	S.H.A. NO.	XX1065485		
SCALE:	NTS	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. G226	2 OF 2
DATE:	JULY, 2004	LOG MILE:	02000240.60		