

**PROJECT DESCRIPTION**

**I. GENERAL**

THIS PROJECT INVOLVES REPLACING THE EXISTING NB RED SIGNAL AHEAD STRUCTURES AND LED SIGN. MD 2 RUNS IN A NORTH-SOUTH DIRECTION.

**II. INTERSECTION OPERATION**

THE INTERSECTION IS EQUIPPED WITH A EIGHT PHASE FULLY-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. THIS INTERSECTION WILL OPERATE IN A NEMA FOUR (4) PHASE FULLY-TRAFFIC-ACTUATED MODE WITH BOTH NORTH AND SOUTH MD 2 MOVEMENTS OPERATING CONCURRENTLY.

**THE CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:**

Ms. Kim Tran  
Assistant District Engineer - Traffic  
Phone: 410-841-1003

Mr. John Mays  
District Utility Engineer  
Phone: 410-841-1005

Mr. Charles George  
Assistant District Engineer - Maintenance  
Phone: 410-841-1002

Mr. Richard L. Doff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

**EQUIPMENT LIST 'A'**

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	CABINET 'G' TYPE POLE MOUNT
9005	16 SF	SHEET ALUMINUM SIGNS 1 EACH - W3-3 SIGN (48"x48") POLE MOUNT
9012	1 EACH	2 CIRCUIT FLASHER

**EQUIPMENT LIST 'B'**

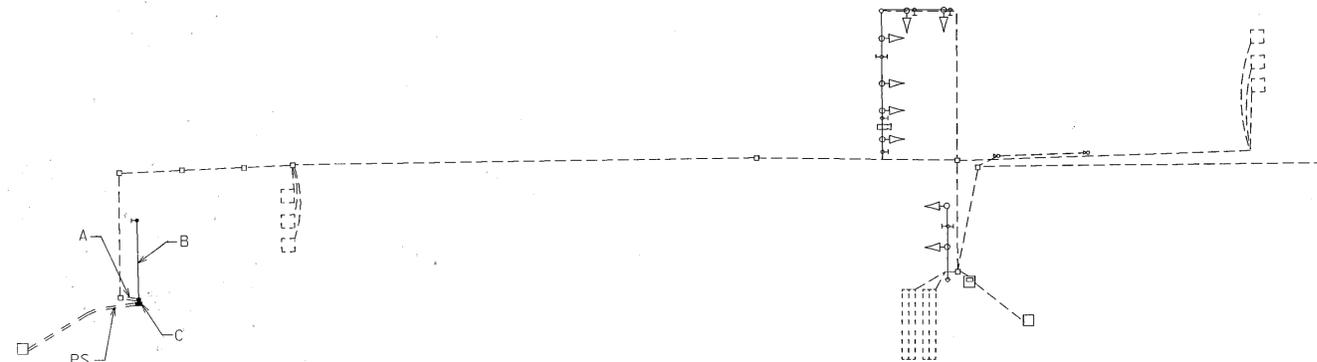
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8020	1 EACH	F&I CONTROL AND DISTRIBUTION EQUIPMENT FOR SIGNAL
8031	1 EACH	F&I PHOTOCELL
8047	1 EACH	REMOVE AND DISPOSE FOUNDATION 12 INCH BELOW GRADE
8048	1 EACH	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT
8051	10 L.F.	3 INCH PVC SCHEDULE 80 CONDUIT - TRENCHED
8057	5 C.Y.	F&I CONCRETE FOR SIGNAL FOUNDATION
8060	20 L.F.	F&I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8075	16 S.F.	INSTALL OVERHEAD SIGN
8080	1 EACH	F&I GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8083	35 L.F.	F&I ELECTRICAL CABLE - 3 CONDUCTOR (NO.14 AWG)
8084	60 L.F.	F&I ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8091	70 L.F.	F&I 2 INCH DIAMETER PVC ELECTRICAL CONDUIT, SCHEDULE 80 (TRENCHED)
8092	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT
NEG.	15 L.F.	PULL AND RE-ROUTE INTERCONNECT CABLE
NEG.	1 EACH	F&I 60"x60" RED SIGNAL AHEAD SIGN
NEG.	1 EACH	F&I MAST ARM POLE (60 FT. SERIES) WITH 22 FT. T DIMENSION AND 35 FT. BUTT SECTION ONLY.

**EQUIPMENT LIST 'C'**

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ITEM NO.	QUANTITY	DESCRIPTION
		SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL NECESSARY EQUIPMENT FROM THE CABINET. ALL OTHER EXISTING MATERIALS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



**WIRING DIAGRAM**

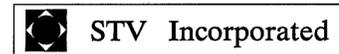
A = USE EXISTING INTERCONNECT CABLE  
B = 5 - CONDUCTOR CABLE (NO.14 AWG.)  
C = 3 - CONDUCTOR CABLE (NO.14 AWG.)  
PS = POWER SERVICE

**PHASE CHART**

NO CHANGE IN CURRENT OPERATION



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION  
MD. 2 AND COLLEGE PARKWAY



engineers / architects / planners / scientists / construction managers  
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

DRAWN BY: AMT	F.A.P. NO.	TS NO.	
CHECKED BY: MTS	S.H.A. NO. XX1065485	573 H	SHEET NO.
SCALE: NONE	COUNTY: ANNE ARUNDEL	T.I.M.S. NO.	
DATE: 3/03	LOG MILE: 02000227J8	F390	2 OF 2