

**EQUIPMENT LISTS**

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
1	EA	SP	BASE MOUNTED MASTER/LOCAL CABINET (SIZE 6) LESS DETECTION EQUIPMENT WITH 8 PHASE ASC II CONTROLLER WITH TELEMETRY MASTER CONTROLLER WITH TELEMETRY AND OPTICOM PRE-EMPTION MODULE
63	SF	813	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: - 1 EACH R3-1 (24" X 24") WITH "7:00 P.M. TO 6:00 A.M." PLAQUE (24" X 12")-MAST ARM MOUNT - 1 EACH R6-1L (36" X 12")-GROUND MOUNT - 1 EACH R6-1R (36" X 12")-GROUND MOUNT - 2 EACH R10-11b (24" X 24")-MAST ARM MOUNT - 2 EACH D3-2 (E. Franklin St.) (VAR." X 16")-MAST ARM MOUNT - 2 EACH D3-2 (N. Cannon Ave.) (VAR." X 16")-MAST ARM MOUNT

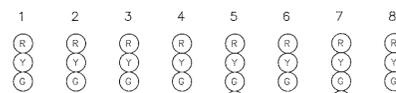
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
5	CY	205	TEST PIT EXCAVATION
5	CY	206	REMOVAL OF EXISTING SIDEWALK
90	LF	SP 555	24 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
80	LF	SP	REMOVE EXISTING PAVEMENT MARKINGS-ANY WIDTH
400	SF	610	4 INCH CONCRETE SIDEWALK
1	EA	816	INSTALL CONTROLLER AND CABINET-BASE MOUNT
57	SF	813	INSTALL OVERHEAD SIGN
6	SF	813	INSTALL GROUND MOUNTED SIGN
20	LF	812	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
6	EA	SP	FURNISH AND INSTALL 12 INCH 1 WAY 3 SECTION (R, Y, G) SIGNAL HEAD HAVING PROPER ADJUSTABLE MAST ARM BRACKET, AND TUNNEL VISORS-PAINTED BLACK
2	EA	SP	FURNISH AND INSTALL 12 INCH 1 WAY 4 SECTION (R, Y, G, GA) SIGNAL HEAD HAVING PROPER ADJUSTABLE MAST ARM BRACKET, AND TUNNEL VISORS-PAINTED BLACK
4	EA	SP	FURNISH AND INSTALL OPTICOM DETECTOR EYE-MODEL 521
6	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
10	CY	801	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
50	LF	805	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT-RISER
125	LF	805	FURNISH AND INSTALL 2" SCHEDULE 40 RIGID PVC CONDUIT-TRENCHED
20	LF	805	FURNISH AND INSTALL 3" SCHEDULE 40 RIGID PVC CONDUIT-TRENCHED
65	LF	805	FURNISH AND INSTALL 4" SCHEDULE 40 RIGID PVC CONDUIT-TRENCHED
300	LF	805	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
50	LF	805	FURNISH AND INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
1	EA	807	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
2	EA	SP	FURNISH AND INSTALL 2'-FOOT STEEL POLE WITH A SINGLE 38'-FOOT MAST ARM-PAINTED GREEN
1	EA	SP	FURNISH AND INSTALL 21'-FOOT STEEL POLE WITH A SINGLE 50'-FOOT MAST ARM-PAINTED GREEN
2	EA	SP	CUT, CLEAN AND CAP TRAFFIC SIGNAL STRUCTURE
1	EA	SP	AS-BUILT FOR TRAFFIC SIGNAL
4	EA	804	FURNISH AND INSTALL GROUND ROD-3/4 INCH DIAMETER X 10-FOOT LENGTH
250	LF	810	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
200	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-1 CONDUCTOR (NO. 4 AWG - THHN/THWN)
100	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-5 CONDUCTOR (NO 14 AWG)
750	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-7 CONDUCTOR (NO 14 AWG)
750	LF	810	FURNISH AND INSTALL OPTICOM M-138 DETECTOR CABLE
2	EA	SP	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12" BELOW GRADE
1	LS	SP	DELIVERY OF SALVAGED EQUIPMENT
1	LS	SP	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
1	LS	SP	REMOVAL OF EXISTING SIGNAL EQUIPMENT TO BE SALVAGED

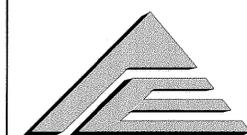
NOTE: ALL EQUIPMENT AND/OR MATERIALS TO BE REMOVED BY THE CONTRACTOR, BUT NOT LISTED BELOW, SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

QUANTITY	UNIT	DESCRIPTION
1	EA	CONTROLLER AND CABINET
2	EA	OPTICOM DETECTOR EYE

**PHASING DIAGRAM**



	1	2	3	4	5	6	7	8
PHASE 1	R	R	G	G	R	R	R	R
1 CHANGE	R	R	Y	Y	R	R	R	R
PHASE 2	G	G	R	R	R	R	R	R
2 CHANGE	Y	Y	R	R	R	R	R	R
PHASE 4+B	R	R	R	R	G	G	G	G
4+B CHANGE	R	R	R	R	Y	Y	Y	Y
PRE-EMPTION A	G	G	R	R	R	R	R	R
A CHANGE	Y	Y	R	R	R	R	R	R
PRE-EMPTION B	R	R	R	R	R	R	G	G
B CHANGE	R	R	R	R	R	R	Y	Y
PRE-EMPTION C	R	R	G	G	R	R	R	R
C CHANGE	R	R	Y	Y	R	R	R	R
PRE-EMPTION D	R	R	R	R	C	G	R	R
D CHANGE	R	R	R	R	Y	Y	R	R
FLASHING OPERATION	FL Y	FL Y	FL R					



**A/E GROUP, INC.**  
 ENGINEERS • PLANNERS  
 181 E. Main Street  
 Westminster, Maryland 21158  
 A/E Job No. 95-289

REVISIONS	APPROVALS
	CHIEF, SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

**MDOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**      LOG M.

DRAWN BY: M. GESELL  
 DES. BY: J. LAWRENCE  
 CHK. BY: \_\_\_\_\_

**US 40 West (Dual Highway) at North Cannon Ave./East Franklin St.**

GENERAL INFORMATION      COUNTY: WASHINGTON

DATE: 05/30/97      F.A.P. NO. STPG-218-1(7)E      TS. NO. \_\_\_\_\_  
 SCALE: 1" = 20'      S.H.A. NO. WA9535/85      **3681GI**      SHEET NO. 4 OF 66