F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET		

EQUIPMENT LIST

A. Equipment to be supplied by State Highway Administration (or by MCDOT as noted) :

QUANTITY	SPEC. UNIT	SECTION	DESCRIPTION
7	EA	814	12" one-way, three-section (R,Y,G) traffic signal head-mast arm mount.
1	EA	814	12" one-way, three-section (R,Y,G) traffic signal head-pedestal mount.
2	EA	814	12" one-way, five-section (R,Y,G,YA,GA) traffic signal head-mast arm mount.
3	EA	814	12" one-way, three-section (R,Y,G) optically programmed traffic signal head-mast arm mount.
1	EA	814	12" two-way, two-section pedestrian signal head-pole mount.
1	EA	814	12" two-way, two-section pedestrian signal head-pedestal mount.
1	EA	814	12" one-way, two-section pedestrian signal head-pole mount.
1	EA	814	12" one-way, two-section pedestrian signal head-pedestal mount.
153	SF	813	Sheet aluminum signs to consist of:
			2 (EA) 30" x 36" R3-5 sign (Arrow -Left Turn "Only" - mast arm mount.
			3 (EA) Variable X 16" D3-2 sign (road name panel) - mast arm mount.
			2 (EA) 36" X 12" R6-1L sign "One Way" (Arrow) - pole mount.
			2 (EA) 36" X 12" R6-1R sign "One Way" (Arrow) - pole mount.
			1 (EA) 48" x 75" one piece shield assembly on the black background - pole mount: 30" x 15" M3-2 sign "EAST", 48" x 36" M1-6 sign "MARYLAND 193" (route shield for independent use), 30" x 24" M6-1 (arrow) directional.
			1 (EA) 48" x 75" one piece shield on the assembly on black background-pole mount: 30" x 15" M3-4 sign "WEST", 48" x 36" M1-6 sign "MARYLAND 193 (route shield for independent use), 30" x 24" M6-1 (arrow) directional.
			2 (EA) 36" X 36" S2-1 sign (symbol) school crossing.
			1 (EA) 21" X 15" M6-2 (arrow) directional.
			1 (EA) 21" X 15" M6-2MOD (arrow) directional.
			2 (EA) 30" X 30" R10-11B "NO TURN ON RED"
2	EA	817	R10-3c push button sign (by MCDOT).
2	EA	817	Pedestrian push button and sign.
1	EA	816	8 phase fully-actuated traffic signal controller in base mounted system ready cabinet (10 loop detectors).

EQUIPMENT LIST (CONTINUED)

B. Equipment to be furnished and/or installed by the Contractor:

QUANTITY	UNIT	SPEC. SECTION	DESCRIPTION
2	CY	205	Test pit excavation.
14.4	CY	801	Concrete foundation for signal poles and traffic signal controller cabinet.
6	EA	804	Ground rod-3/4" diameter x 10' length.
95	LF	805	1" electrical conduit detector wire sleeve.
330	LF	-	1" orange corrugated electrical conduit.
60	LF	805	2" schedule 40 electrical conduit-trenched/buried.
85	LF	805	3" schedule 40 electrical conduit-trenched/buried.
5	LF	805	4" schedule 40 electrical conduit-trenched/buried.
330	LF	805	4" schedule 80 electrical conduit-slotted.
30	LF	805	electrical conduit-galvanized riser.
1	EA	806	20 FT lighting arm and 250 Watt HPSV luminaire.
1	EA	807	Control and distribution equipment
3565	LF	810	7-Conductor electrical cable (No. 14 A.W.G.)..
580	LF	810	Bare copper ground wire (No. 6 A.W.G.).
100	LF	810	5-Conductor electrical cable (No. 14 A.W.G.).
1270	LF	810	3-Conductor electrical cable (No. 14 A.W.G.).
670	LF	810	2-Conductor electrical cable (No. 14 A.W.G.).
490	LF	810	2-Conductor electrical tray cable (No. 12 A.W.G.).
2670	LF	810	2-Conductor electrical cable aluminum shielded.
2740	LF	810	Loop wire (No. 14 A.W.G.) encased in-1/4" fexible tube.
110	LF	810	1-Conductor electrical cable (No. 4 A.W.G.)-THWN.
11	EA	811	Handhole.
153	SF	813	Overhead sign.
13	EA	814	Traffic signal head.

EQUIPMENT LIST (CONTINUED)

B. Equipment to be furnished and/or installed by the Contractor.

QUANTITY	UNIT	SPEC. SECTION	DESCRIPTION
4	EA	814	Pedestrian signal head.
1055	LF	815	Sawcut.
1	EA	816	8 phase (fully actuated) controller and cabinet base mount.
2	EA	817	Push button and sign.
2	EA	817	R10-3c push button sign.
160	LF	SP-555	24" white permanent preformed pavement marking tape.
1240	LF	SP-555	12" white permanent preformed pavement marking tape.
1	EA	-	As-built plans for traffic signal.
8595	LB	-	Traffic signal poles and mast arms:
			1 (EA) 27' steel pole with twin 48 and 56 foot mast arms (NOTE: 4-2" x 90" anchor bolts).
			1 (EA)21' steel pole with single 46 foot mast arms (NOTE: 4-1 3/4" x 90" anchor bolts).
			1 (EA) 21' steel pole with single 56 foot mast arm (NOTE: 4- 2" x 60" anchor bolts).
236	LB	-	Galvanized traffic signal pedestal poles and transformer bases:
			2 (EA) 10' pedestal pole.

EQUIPMENT LIST

C. Equipment to be removed by the Contractor and delivered to:

State Highway Administration, Office of Traffic and Safety, Signal Operations, 7491 Connelley Drive, Hanover, Maryland 21076. Contact Mr. Ed Rodenhizer at (410)787-7650 at least 48-hours in advance of delivery.

QUANTITY	UNIT	DESCRIPTION
9	EA	12" one-way, three-section (R,Y,G) traffic signal head.
1	EA	Traffic signal controller and cabinet.

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REVISIONS:
REVISED 10/95 FOR THE US 29 IMPROVEMENTS S.H.A. NO. M 425-502-370

APPROVALS:
ORIGINAL
CHIEF SIGNAL DESIGN SECTION
ON
ASST. DISTRICT ENGINEER TRAFFIC
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
FILE
DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
LOG MILE # 15019304.71

DRAWN BY: ZAJ
DES. BY: ZAJ
CHK. BY:

MD 193 @ WILLIAMSBURG DRIVE
GENERAL INFORMATION

COUNTY: MONTGOMERY

DATE: OCTOBER, 1995
SCALE: 1"=20'
F.A.P. NO.
S.H.A. NO. M 425-502-370
TS/STD. NO.: TS-3560-GI-2
SHEET NO. ___ OF ___