

F.H.W.A. REGION NO.	STATE	FED. AID PRGJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.			

PROJECT DESCRIPTION

I. GENERAL
This project involves the installation of a new traffic control signal with intersection lighting at the intersection of MD 45 (York Road) and Loveton Farms Road/Fila Way in Baltimore County, Maryland. MD 45 is assumed to run in a north/south direction.

II. INTERSECTION OPERATION
This intersection shall operate in a NEMA six phase full-actuated mode with E/P left turns for the northbound/southbound MD 45 approaches running concurrently.

An ASC controller with four (4) four channel rack mounted loop detector amplifiers in a base mounted cabinet shall be installed at this intersection.

III. SPECIAL NOTES
1.) Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: MD 104.00-00-MD 104.00-30, MD 104.05-01-MD 104.11-02, MD 104.37-01-MD 104.43-02, MD 104.64-MD 104.67.

Equipment List (Continued)

A. Equipment to be supplied by the Administration.

ITEM NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
9090	111,25	SF		Sheet aluminum consisting of:
	2	EA		D3-2 (Var. X 32 in.) "Loveton Farms Road-Fila Way" - mast arm mount BACK TO BACK
	1	EA		R4-7 (24" x 30") - ground mount.
	3	EA		W3-3 (36 in. x 36 in.) ground mount.
	1	EA		R3-5 (30" x 36")
	1	EA		R3-7R(30 in x 30 in)
	2	EA		R10-12 (36 in x 42 in)

Equipment List (Continued)

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

ITEM NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
8025	890	LF		Furnish and install 2 in. schedule 40 rigid PVC conduit - -trenched.
8028	40	LF		Furnish and install 3 in schedule 40 rigid PVC - -trenched.
8029	160	LF		Furnish and install 3 in electrical conduit schedule 80 - slotted.
8031	20	LF		Furnish and install 4 in. electrical conduit schedule 40 - -trenched.
8074	35	LF		Furnish and install electrical conduit - PVC schedule 40 - riser
8035	10	EA		Furnish and install electrical handhole.
8037	5	EA		Furnish and install ground rod (3/4 in. diameter x 10 ft.)

Equipment List (Continued)

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

ITEM NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
8055	60	LF		Furnish and install wood sign support 4" x 6"
8056	38,25	SF		Install ground mounted sign
8057	73	SF		Install overhead signs
8059	2	EA		Furnish and install 250 watt High Pressure Sodium lamp and luminaire w/Photocell
8060	2	EA		Furnish and install 20 ft. Lighting arm on signal structure
8067	1	EA		As-built for traffic signal use existing disk
8076	1	EA		Furnish and install control and distribution equipment
8098	4	EA		Furnish and install 27 ft. Steel pole with (50 ft.) mast arm. (Note: Four - 1 3/4 in. x 90 in. Anchor bolts.)
8023	20	LF		Furnish and install 1" galv. sleeve
8022	74,5	LF		Furnish and install sawcut for signal loop detector.

Equipment List

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

ITEM NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
1001	1	LS		Maintenance of Traffic
1003	1	LS		Mobilization
2001	8	CY		Test Pit excavation
5005	175	LF		Furnish and install 24 in. white permanent preformed pavement marking tape
5001	1300	LF		Furnish and install 6" yellow pavement marking tape
5002	450	LF		Furnish and install 6" white pavement marking tape
5007	4	EA		Furnish and install pavement marking tape - left arrow
5009	1	EA		Remove existing pavement marking tape - arrow
8001	14	CY		Furnish and install concrete for signal foundation.
8011	10	EA		Install Signal Head.
8019	1	EA		Install controller and cabinet.
8015	7	EA		Install micro loop probe set.

Equipment List

A. Equipment to be supplied by the Administration.

ITEM NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
9081	1	EA		Eight-phases (fully-actuated) controller and cabinet intersection monitor base mount
9014	8	EA		12 in. one way, three section (R,Y,G) signal head - mast arm mount
9006	7	EA		Triple Microloop Probe Set with 500' Lead-in.
9019	2	EA		8"/12" 1 way 5 section mast arm mount
9016	2	EA		12" 1 way 5 section signal head mast arm mount
9104	2	EA		Sign hardware under mast arm mount astro bracket 84 in. cable

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	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

DRAWN BY: Christopher J. Peduzzi
DES. BY: C. Richard Moore
CHK. BY:

DATE: 01-22-97
SCALE: 1"=20'

F.A.P. NO.
S.H.A. NOS: AWB345, AWB345L, AWB345L

TS/STD. NO. 3647
SHEET NO. 3 OF 3

MD 45 (YORK ROAD) AT LOVETON FARMS ROAD/
FILA WAY
COUNTY: BALTIMORE