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

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXISTING TRAFFIC SIGNAL AT MD 108 AND COLUMBIA ROAD IN HOWARD COUNTY.

MD 108 RUNS IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE MODIFICATION INVOLVES THE INSTALLATION OF PEDESTRIAN INDICATIONS, SIGNS, PUSHBUTTON AND CROSSWALK ON THE NORTH, SOUTH AND WEST LEGS OF THE INTERSECTION.

THE INTERSECTION IS PRESENTLY OPERATING IN A NEMA SIX-PHASE FULL-TRAFFIC-ACTUATED OPERATION.

EQUIPMENT LISTS

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

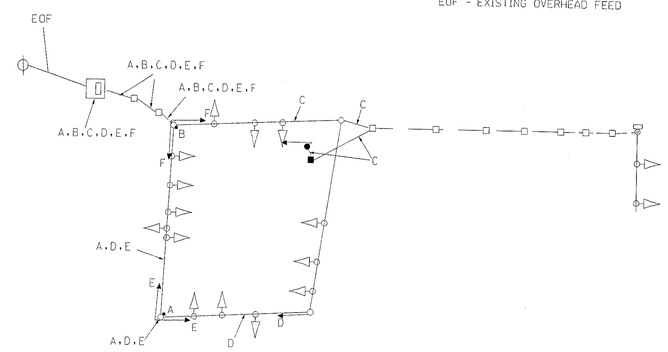
ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	12" ONE-WAY, TWO-SECTION SIGNAL (ALUMINUM) PEDESTRIAN SIGNAL HEAD POLE MOUNT
9000	1 EACH	12" ONE-WAY, TWO-SECTION SIGNAL (ALUMINUM) PEDESTRIAN SIGNAL HEAD PEDESTAL MOUNT
9000	2 EACH	12" TWO-WAY, TWO-SECTION SIGNAL (ALUMINUM) PEDESTRIAN SIGNAL HEAD POLE MOUNT
9000	2 EACH	PEDESTRIAN PUSHBUTTONS AND R10-3c SIGN TO READ"PUSHBUTTON TO CROSS "CLARKSVILLE PIKE"

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

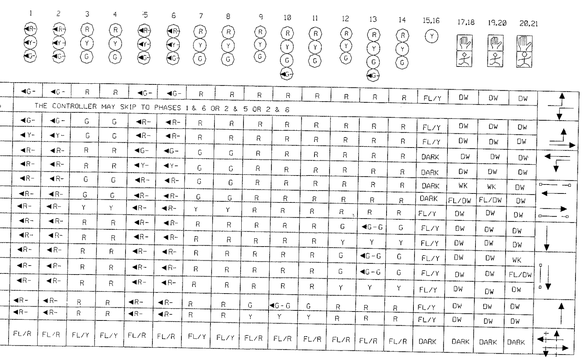
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2005	2.7 C.Y.	REMOVAL OF EXISTING SIDEWALK
2006	50 L.F.	REMOVAL OF EXISTING COMBINATION CURB AND GUTTER
5003	1160 L.F.	F/I 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5005	210 L.F.	F/I 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5007	1 EACH	F/I PERMANENT PREFORMED PAVEMENT MARKING ARROW
5008	210 L.F.	REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH
6001	200 S.F.	F/I 4" CONCRETE SIDEWALK
6010	50 L.F.	F/I DEPRESSED CURB AND GUTTER
8001	1 C.Y.	F/I CONCRETE FOR SIGNAL FOUNDATION
8011	4 EACH	INSTALLATION OF PEDESTRIAN SIGNAL HEADS
8016	2 EACH	INSTALL PEDESTRIAN PUSHBUTTON WITH R10-3C SIGN
8025	10 L.F.	F/I 2" ELECTRICAL CONDIT - PVC (SCHEDULE 40) - TRENCHED
8027	45 C.Y.	F/I 2" ELECTRICAL CONDIT - PVC (SCHEDULE 80) - PUSHED
8035	1 EACH	F/I ELECTRICAL HANDHOLE
8045	400 L.F.	F/I 2-CONDUTOR ELECTRICAL CABLE (NO. 14 AWG)
8046	800 L.F.	F/I 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
8047	500 L.F.	F/I 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
8093	1 EACH	F/I 10' BREAKAWAY PEDESTAL POLE W/T BASE AND ANCHOR BOLTS

WIRING DIAGRAM

A,B = 2 CONDUCTOR CABLE (NO.14 A.W.G.) - PUSHBUTTON
C,D = 3 CONDUCTOR CABLE (NO.14 A.W.G.)
E,F = 5 CONDUCTOR CABLE (NO.14 A.W.G.)
EOF - EXISTING OVERHEAD FEED



PHASE CHART



REVISIONS

APPROVALS

ORIGINAL

ASST. DIVISION CHIEF, TEDD

NOTED

ASST. DISTRICT ENGINEER, TRAFFIC

ON

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

FILE

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD 108 AND COLUMBIA ROAD
(GENERAL INFORMATION)

DATE 12/12/95

DRAWN BY:	F.A.P. NO. N/A	PLAN SHEET NO.: TS-2045EG1	SHEET NO. 2 OF 2
CHECK BY:	S.H.A. NO. 938557950660614		
SCALE: 1" = 20'	COUNTY HOWARD		

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