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

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION MD 648 AND LOWER MAGOTHY BEACH ROAD IN ANNE ARUNDEL COUNTY. MD 648 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THIS WORK IS NECESSITATED BY WIDENING ON THE SOUTH-EAST CORNER OF THE INTERSECTION AND WILL CONSIST OF DETECTOR, CONDUIT AND WIRING REPLACEMENT.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH THE MD 648 APPROACHES OPERATING CONCURRENTLY AND THE LOWER MAGOTHY BEACH RD./DRIVEWAY APPROACHES OPERATING CONCURRENTLY.

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A POLE MOUNTED WILL BE USED.

EQUIPMENT LIST

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8021	50 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8022	10 L.F.	FURNISH AND INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR DETECTOR SLEEVE
8024	300 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8026	20 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8033	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	150 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8041	450 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (ALUMINUM SHIELDED)
8061	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT

NOTE: ITEM NUMBERS CORRESPOND TO MSHA AREAWIDE CONTRACT

WIRING DIAGRAM

SEE NOTE 4 ON SIGNAL PLAN

PHASE CHART

PHASING WILL NOT BE CHANGED

TRAFFIC CONCEPTS, INC.

Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

REVISIONS	APPROVALS
	ASSISTANT DIVISION CHIEF
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENG. DESIGN DIV.
	DIR., OFFICE OF TRAFFIC & SAFETY

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

GENERAL INFORMATION SHEET

MD 648 AND LOWER MAGOTHY BEACH ROAD

DATE: 10-13-98	DRAWN BY: T. ZAYDEL	F.A.P. NO.		PLAN SHEET NO.: 2206B GI	SHEET NO. 2 OF 2
SCALE: NONE	DESIGNED BY: T. ZAYDEL	S.H.A. NO.			
APPROVED BY:	CHECKED BY: K. SCHMID	COUNTY	ANNE ARUNDEL		