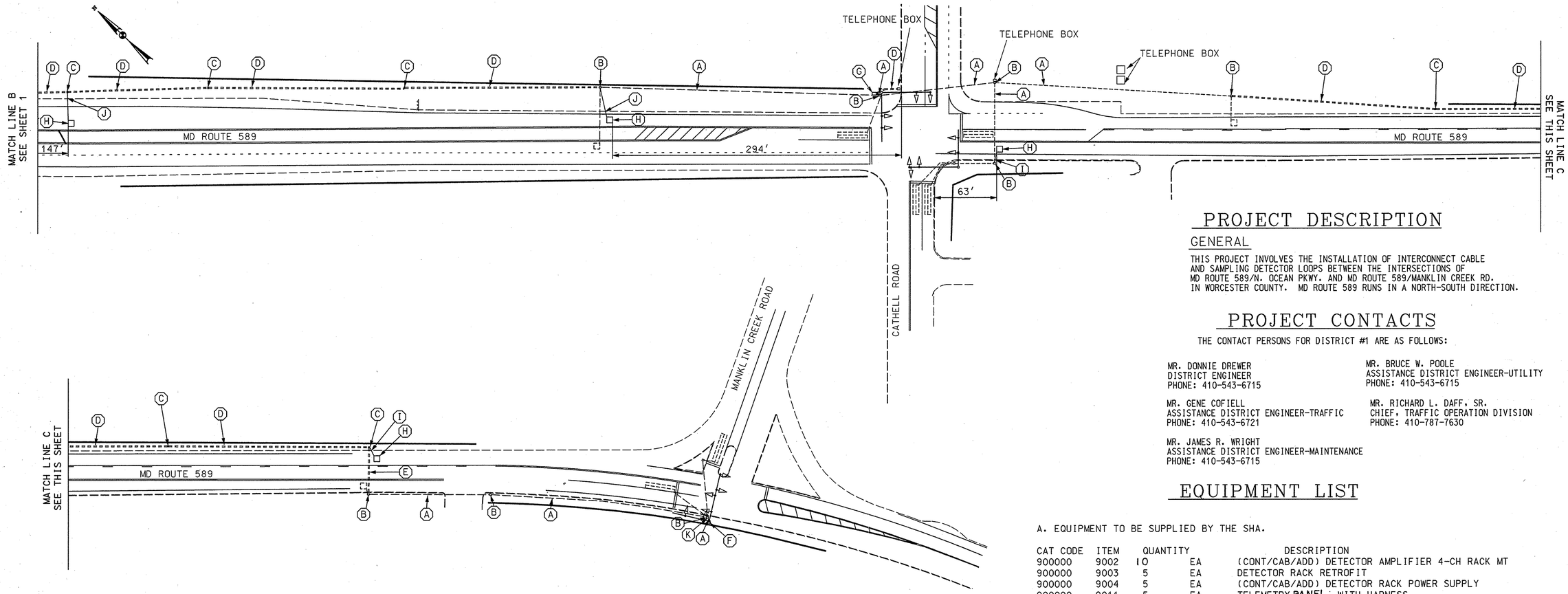

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF INTERCONNECT CABLE AND SAMPLING DETECTOR LOOPS BETWEEN THE INTERSECTIONS OF MD ROUTE 589/N. OCEAN PKWY. AND MD ROUTE 589/MANKLIN CREEK RD. IN WORCESTER COUNTY. MD ROUTE 589 RUNS IN A NORTH-SOUTH DIRECTION.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #1 ARE AS FOLLOWS:

MR. DONNIE DREWER
DISTRICT ENGINEER
PHONE: 410-543-6715

MR. BRUCE W. POOLE
ASSISTANCE DISTRICT ENGINEER-UTILITY
PHONE: 410-543-6715

MR. GENE COFIELL
ASSISTANCE DISTRICT ENGINEER-TRAFFIC
PHONE: 410-543-6721

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATION DIVISION
PHONE: 410-787-7630

MR. JAMES R. WRIGHT
ASSISTANCE DISTRICT ENGINEER-MAINTENANCE
PHONE: 410-543-6715

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

CAT CODE	ITEM	QUANTITY		DESCRIPTION
900000	9002	10	EA	(CONT/CAB/ADD) DETECTOR AMPLIFIER 4-CH RACK MT
900000	9003	5	EA	DETECTOR RACK RETROFIT
900000	9004	5	EA	(CONT/CAB/ADD) DETECTOR RACK POWER SUPPLY
900000	9011	5	EA	TELEMETRY PANEL WITH HARNESS
900000	9088	1	EA	CONTROLLER, MASTER ASC2M W/ TELEMETRY

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

CAT CODE	ITEM	QUANTITY		DESCRIPTION
110320	1001	1	EA	MAINTENANCE OF TRAFFIC
203030	2004	1	CY	TEST PIT EXCAVATION
800000	8003	1	EA	ADJUST HANDHOLE TO GRADE
800000	8042	3150	LF	FURNISH AND INSTALL 2 INCH SCH 80 PVC CONDUIT - TRENCHED
805011	8053	45	LF	FURNISH AND INSTALL 1 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE
805105	8054	530	LF	FURNISH AND INSTALL 2 INCH SCH 80 PVC CONDUIT - BORED
805160	8060	55	LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON METALLIC CONDUIT FOR DETECTOR SLEEVE
811001	8063	24	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
822002	8068	5790	LF	FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE JELLYFILLED UNDERGROUND
861104	8073	3730	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
862101	8078	1890	LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
862102	8079	520	LF	FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
800000	NEG	4	EA	FURNISH AND INSTALL 3" METAL ELBOW
800000	NEG	4	EA	REMOVE AND REINSTALL EXISTING POLE MOUNTED CABINET

CONSTRUCTION DETAILS

- (A) USE EXISTING CONDUIT.
- (B) USE EXISTING HANDHOLE.
- (C) INSTALL HANDHOLE.
- (D) INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (E) INSTALL 2" PVC SCHEDULE 80 CONDUIT - BORED.
- (F) REMOVE AND REINSTALL POLE MOUNTED CABINET AND INSTALL 3" ELBOW, DETECTOR RACK, TELEMETRY MODULE W/ HARNESS & WITH ALL NECESSARY EQUIPMENT.
- (G) INSTALL MASTER CONTROLLER, DETECTOR RACK, TELEMETRY MODULE W/ HARNESS & WITH ALL NECESSARY EQUIPMENT.
- (H) INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4-TURNS).
- (I) INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT FOR DETECTOR WIRE SLEEVE.
- (J) INSTALL 1 IN. RIGID ELECTRICAL CONDUIT FOR DETECTOR WIRE SLEEVE.
- (K) ADJUST HANDHOLE TO GRADE

UTILITY LEGEND

- —G—G— GAS MAIN
- —W—W— WATER MAIN
- —S—S— SEWER MAIN
- —E—E— ELECTRIC CABLES
- —A—A— AERIAL CABLES
- —T—T— TELEPHONE CABLES

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 589 INTERCONNECT PLAN
FROM N. OCEAN PKWY. TO MANKLIN CREEK RD.

DRAWN BY: BJF	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: RJM	S.H.A. NO. XX1005885		
SCALE: 1" = 50'	COUNTY: WORCESTER	T.I.M.S. NO.	
DATE: 2/2/01	LOG MILE: Z505.8300.00	E485-IC2	2 OF 2

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