

PROJECT DESCRIPTION

GENERAL
 This project involves the modification of the existing traffic control signal at MD 189 and Maryland Avenue in Montgomery County. For this project, the southbound right turn lane will be widened to better accommodate truck turns. MD 189 is assumed to run in a north-south direction.

The contractor shall be responsible for terminating all signal cable, excluding interconnect, to the appropriate terminals and properly labeling each cable.

Disconnecting and splicing of interconnect cable shall be performed by Montgomery County Forces. The contractor shall run the interconnect cable into the base of each cabinet and properly tag the cable. Contact Mr. Bob Gonzales at (240) 777-8761 seventy-two hours in advance of the intended work.

INTERSECTION OPERATIONS
 The intersection operations will not be effected by this modification to the intersection. The timing and phasing will not require any adjustments.

CONTROLLER REQUIREMENTS
 Use existing controller.

MAINTENANCE OF TRAFFIC

THE FOLLOWING WORK ZONE TRAFFIC CONTROL STANDARDS SHALL BE USED FOR THE PROJECT:

STANDARD NO. MD-104.06-02
 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.02-01
 (FLAGGING OPERATION)

STANDARD NO. MD-104.03-01
 (INTERSECTION FLAGGING)

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. CHARLIE K. WATKINS
 DISTRICT ENGINEER
 (301) 513-7311

MR. JOE GECKEL
 ADE - UTILITY
 (301) 513-7350

MR. MAJID SHAKIB
 ADE - TRAFFIC
 (301) 513-7358

MR. RICHARD L. DAFF, SR.
 CHIEF, TRAFFIC OPERATIONS DIVISION
 (301) 787-7630

MR. RANDY BROWN
 ADE - MAINTENANCE
 (301) 531-7304

MR. BARRY KING
 CHIEF, TEDD
 (410) 787-4011

THE CONTACT PERSON FOR MONTGOMERY COUNTY IS AS FOLLOWS:

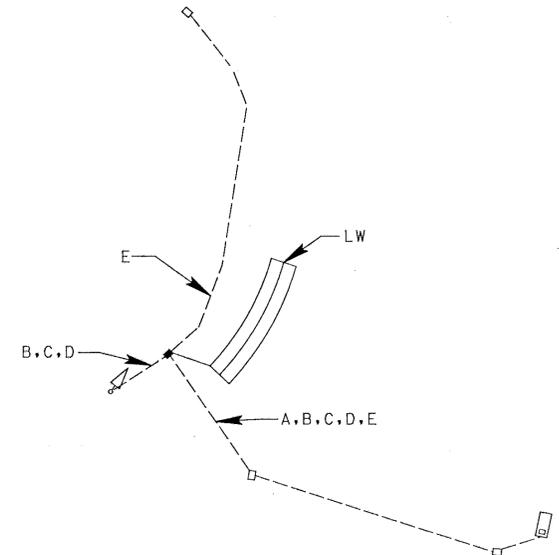
MR. ROBERT GONZALES
 TRAFFIC ENGINEER
 MONTGOMERY COUNTY DPWT
 (240) 777-8761

POWER COMPANY REPRESENTATIVE:

MR. RAYMOND DURANT
 POTOMAC ELECTRIC POWER COMPANY
 8300 OLD MARLBORO PIKE
 UPPER MARLBORO, MARYLAND 20772

WIRING DIAGRAM

- A 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) (SHIELDED)
- B 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- C 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- E 12-PAIR COMMUNICATION CABLE (JELLY-FILLED) (NO. 19 A.W.G.)
- LW LOOP WIRE (NO. 14 A.W.G.)



EQUIPMENT LIST B

EQUIPMENT TO BE FURNISHED OR INSTALLED BY THE CONTRACTOR

- 130850 LUMP SUM MOBILIZATION
- 120500 LUMP SUM MAINTENANCE OF TRAFFIC
- 500000 72 LF FURNISH AND INSTALL 5 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- 585620 92 LF FURNISH AND INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- 585624 15 LF FURNISH AND INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- 800000 LUMP SUM REMOVE AND DISPOSE OF EXISTING EQUIPMENT
- 800000 28 LF FURNISH AND INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED)
- 805160 4 LF FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
- 811001 1 EACH FURNISH AND INSTALL ELECTRICAL HANDHOLE
- 800000 LUMP SUM PULL BACK AND REFEED 12-PAIR COMMUNICATION CABLE, JELLY-FILLED (NO. 19 A.W.G.)
- 800000 LUMP SUM PULL BACK AND REFEED EXISTING CABLES A, B, C, D, E
- 862101 435 LF FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
- 862102 111 LF FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP WIRE)

(TSP-2)

REVISIONS	APPROVALS
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
Traffic Signal Plan
MD 189 at Maryland Avenue

GREENHORNE & O'MARA, INC.
 810 GLENEAGLES COURT, SUITE 106
 BALTIMORE, MARYLAND 21286
 (410) 583-6700

DRAWN BY:	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY:	S.H.A. NO.	2143 ©	30 OF 43
SCALE: 1" = 20'	COUNTY: Montgomery	T.I.M.S. NO.	
DATE:	LOG MILE:		

October 3, 2000
 Signal adjustment due to geometric improvements
 J/C