

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 22 AND MD 132B (OLD POST ROAD) IN HARFORD COUNTY. MD 22 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

CONTROLLER OPERATION

THE EXISTING EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. THE CONTROLLER CURRENTLY OPERATES IN AN EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR EACH APPROACH TO THE INTERSECTION. THE CONTROLLER OPERATION WILL NOT BE CHANGED.

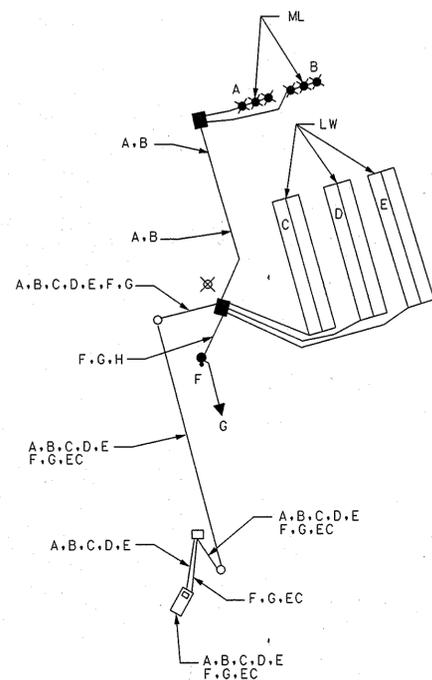
PHASING WILL NOT CHANGE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	LS	MAINTENANCE OF TRAFFIC
2002	1 EA	TEST PIT EXCAVATION
8010	2 EA	FURNISH AND INSTALL PEDESTRIAN SIGNAL HEAD SECTION
8029	2 EA	FURNISH AND INSTALL MICRO PROBE SET 500 FT. LEAD-IN
8030	1 EA	FURNISH AND INSTALL PEDESTAL POLE ANY SIZE
8032	1 EA	FURNISH AND INSTALL PUSHBUTTON AND SIGN
8048	LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
8057	1 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8060	15 LF	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8068	50 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
8072	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8080	1 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER BY 10 FT. LENGTH
8081	820 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)
8082	265 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 14 A.W.G.)
8083	270 LF	FURNISH AND INSTALL ELECTRICAL CABLE 3-CONDUCTOR (NO. 14 A.W.G.)
8087	1330 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8088	385 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP DETECTOR
8091	110 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
---	1 EA	FURNISH AND INSTALL 2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND IN EXISTING POLE FOUNDATION

WIRING DIAGRAM



WIRING KEY

- A-B MICRO-LOOP PROBE
- C-E 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- F 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- H STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- EC EXISTING CABLE
- LW LOOP WIRE (NO. 14 A.W.G.)
- ML MICRO-LOOP PROBE
- X GROUND ROD

EQUIPMENT LIST "A"

A. APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

- MR. JOSEPH MCMAHON
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 321-2841
- MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 321-2781
- MR. DAVE RAMSEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761
- MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630
- MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676
- MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631
- MR. DAVID SCHWARTZ
SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE)
(410) 787-7668
- MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL OTHER SHALL BECOME THE PROPERTY OF THE CONTRACTOR

TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION
MD 22 AND MD 132B (OLD POST ROAD)

DRAWN BY: M.HOWELL	F.A.P. NO. _____	TS NO. 1990D	SHEET NO. _____
CHECKED BY: T.ZAYDEL	S.H.A. NO. _____	COUNTY: HARFORD	T.I.M.S. NO. _____
SCALE: 1" = 20'	LOG MILE: 1222012.23	F108	2 OF 2
DATE: 4-28-02			