

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 222 AND THE SOUTH ENTRANCE TO PERRYVILLE HIGH SCHOOL/ST. MARKS CHURCH ROAD IN CECIL COUNTY. MD 222 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA FIVE-PHASE, SEMI TRAFFIC ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR EASTBOUND MD 222. WORK WILL CONSIST OF INSTALLING NEW DETECTION ON ALL APPROACHES.

CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A POLE MOUNTED CABINET WILL BE USED. INSTALL ONE, FOUR-CHANNEL LOOP DETECTOR AMPLIFIER IN THE EXISTING POLE MOUNTED CABINET.

	1	2	3	4	5	6	7	8
	Y	R	G	R	R	R	R	R
PHASE 1 & 6	G	R	R	R	R	R	R	R
1 & 6 CHANGE	Y	R	R	R	R	R	R	R
PHASE 2 & 6	G	G	G	G	R	R	R	R
2 & 6 CHANGE	G	G	Y	Y	R	R	R	R
PHASE 4	R	R	R	R	G	G	G	G
4 CHANGE	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT, 1-4 CAMERAS

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
8007	3 EA	FURNISH AND INSTALL 100 FT. VIDEO DETECTION CABLE
8038	90 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
8041	700 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
8045	10 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8050	1 EA	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
8052	1 EA	FURNISH AND INSTALL NON-INVASIVE MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
8054	5 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8058	3 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
8090	20 LF	FURNISH AND INSTALL SAW CUT FOR LOOP DETECTOR

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 SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. ROBERT KIEL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 778-3081

MR. TERRY WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 778-3081

MR. BARRY CLOTHIER
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 778-3081

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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

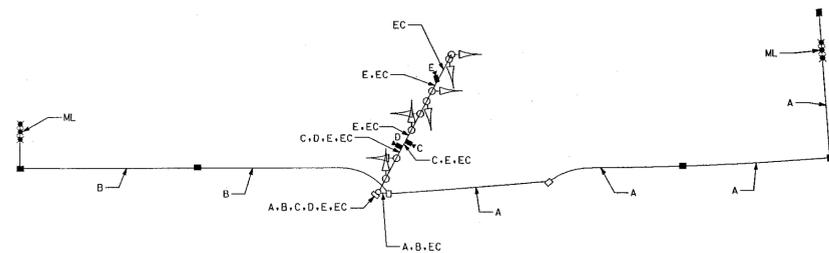
MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

CONTACTS FOR MONTGOMERY COUNTY

MR. ROBERT GONZALAS
TRAFFIC ENGINEERING
(240) 777-8761

WIRING DIAGRAM



WIRING KEY

A-B MICRO-LOOP PROBE LEAD-IN
C-E VIDEO DETECTION CABLE
EC EXISTING CABLE
ML MICRO-LOOP PROBE

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 SHEET
MD 222 AND SOUTH ENTRANCE TO PERRYVILLE
HIGH SCHOOL/ST. MARKS CHURCH ROAD
PERRYVILLE, MARYLAND

DRAWN BY: T. ZAYDEL	F.A.P. NO. AT3555185	TS NO. 3347 C G1	SHEET NO.
CHECKED BY: K. SCHMID	S.H.A. NO. CECIL	T.I.M.S. NO. G486	2 OF 2
SCALE: 1" = 20'	COUNTY: CECIL	LOG MILE: 07022200.96	
DATE: 8-1-04			