

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 3 AND MD 424 /CONWAY ROAD IN ANNE ARUNDEL COUNTY. THE WORK IS NECESSITATED BY THE CONSTRUCTION OF A WESTBOUND MD 424 TRIPLE LEFT TURN AND WILL CONSIST OF THE REPLACEMENT OF A STRAIN POLE, DETECTION AND SIGNAL HEADS. MD 3 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH LEAD /LAG EXCLUSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 3 AND SIDE STREET SPLIT PHASING. THIS WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

EQUIPMENT LIST "A"

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

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

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.

QUANTITY	DESCRIPTION
1 LS	MAINTENANCE OF TRAFFIC
1 CY	TEST PIT EXCAVATION
2100 LF	5 INCH HEAT APPLIED WHITE OR YELLOW THERMOPLASTIC PAVEMENT MARKING
600 LF	10 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS
100 LF	24 IN. WHITE HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS
8 EA	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
4 EA	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTERS
1 LS	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT
2 EA	VIDEO DETECTION CAMERA AND CABLE
550 LF	DISCONNECT, PULL BACK AND REROUTE CABLE
15 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 IN - TRENCHED
20 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
110 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO 14 AWG)
1825 LF	ELECTRICAL CABLE 7 - CONDUCTOR (NO 14 AWG)
450 LF	ELECTRICAL CABLE 2 - CONDUCTOR (NO 12 AWG)
275 LF	STEEL SPAN WIRE - 1/4 IN DIAMETER
275 LF	STEEL SPAN WIRE - 3/8 IN DIAMETER
5 CY	CONCRETE FOR SIGNAL FOUNDATION
1 EA	GROUND ROD - 3/4" X 10'
1 EA	14 IN. X 32 FT. 2-PLY STEEL STRAIN POLE
1 EA	R3-5R SIGN (30"x36") - SPAN WIRE MOUNT
1 EA	R3-6L SIGN (30"x36") - SPAN WIRE MOUNT
5 EA	R3-5L SIGN (30"x36") - SPAN WIRE MOUNT
1 EA	RELOCATE EXISTING SIGN
3 EA	MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN
25 LF	1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
140 LF	SAW CUT FOR LOOP DETECTOR
32 EA	12 IN. L.E.D. SIGNAL HEAD SECTION
2 EA	TEMPORARY BACK - GUY
4 EA	RELOCATE EXISTING GROUND MOUNTED SIGN

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 5 ARE AS FOLLOWS:

MRS. KIM TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 841-1003

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1002

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 841-1005

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

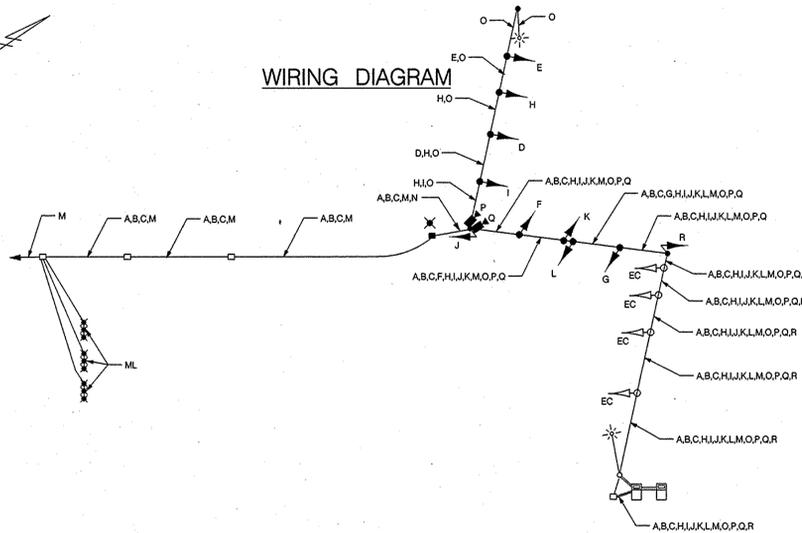
MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

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

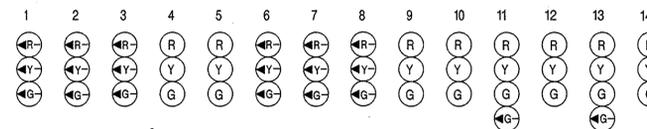
WIRING DIAGRAM



WIRING KEY

- A-C MICRO-LOOP PROBE LEAD-IN
- D-G 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- H-L 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- M 12-PAIR VOICE GRADE INTERCONNECT CABLE
- N STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- O 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
- P-Q 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- ML MICRO-LOOP PROBE
- X GROUND ROD
- EC EXISTING CABLE

PHASING CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 2 + 5	R	R	R	R	R	R	R	R	R	R	R	R	R	R
5 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 + 6	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2 + 6 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 1 + 6	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 4	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FLR	FLR	FLR	FLY	FLY	FLR	FLR	FLY	FLY	FLY	FLR	FLR	FLR	FLR

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 3 AND MD 424 /CONWAY ROAD

TRAFFIC **C**ONCEPTS INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

SCALE	NONE	DATE	8-23-07	CONTRACT NO.	BW 996M82
DESIGNED BY	T. ZAYDEL	COUNTY	ANNE ARUNDEL		
DRAWN BY	T. ZAYDEL	LOGMILE	02000302.21		
CHECKED BY	K. SCHMID	T.I.M.S. NO.	I-448		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS-160 J GI	SHEET NO.	3	OF	3

THIS WAS A DEVELOPER PROJECT THAT NEVER WENT TO CONSTRUCTION A NEW PLAN WAS SUBMITTED SEE REVISION "L"