

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 713 AND BASS PRO DRIVE /MD 100 EASTBOUND ON RAMP IN ANNE ARUNDEL COUNTY. THE WORK IS NECESSITATED BY A REVISION TO THE BASS PRO DRIVE LANE USAGE, MINOR GEOMETRIC IMPROVEMENTS AND THE INSTALLATION OF INTERCONNECT TO THE NEW SIGNAL AT THE INTERSECTION OF ARUNDEL MILLS CIRCLE AND BASS PRO DRIVE. MD 713 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA FOUR-PHASE, FULLY-ACTUATED MODE WITH AN EXCLUSIVE LEFT TURN PHASE FOR SOUTHBOUND MD 713. THIS OPERATION 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

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
LS	MAINTENANCE OF TRAFFIC
650 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
6 EA	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LETTTER, SYMBOL, ARROW OR NUMBER
600 LF	5 IN. HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
60 LF	10 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
1 EA	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING "ONLY"
3 EA	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
15 LF	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
LS	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT
30 LF	WOOD SIGN SUPPORTS 4 IN. X 4 IN.
40 LF	WOOD SIGN SUPPORTS 4 IN. X 6 IN.
580 LF	12-PAIR COMMUNICATION CABLE
1 EA	R3-8A (48" X 30") SIGN - GROUND MOUNT
1 EA	SHIELD ASSEMBLY (48" X 75") SIGN - GROUND MOUNT
3 CY	CONCRETE FOR LIGHT FOUNDATION
2 EA	TYPE II CONNECTOR KIT
2 EA	TYPE III CONNECTOR KIT
1 EA	3/4 IN. X 10 FT. GROUND ROD
1 EA	RELOCATE EXISTING STREET LIGHTING POLE
1 EA	REMOVE FOUNDATION 1 FT. BELOW GRADE
750 LF	2 - CONDUCTOR DUCT CABLE (NO. 4 A.W.G.)
375 LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

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. JOHN MAYS ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1002
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MR. MIKE HUBER
UTILITY ENGINEER
(410) 841-1039

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
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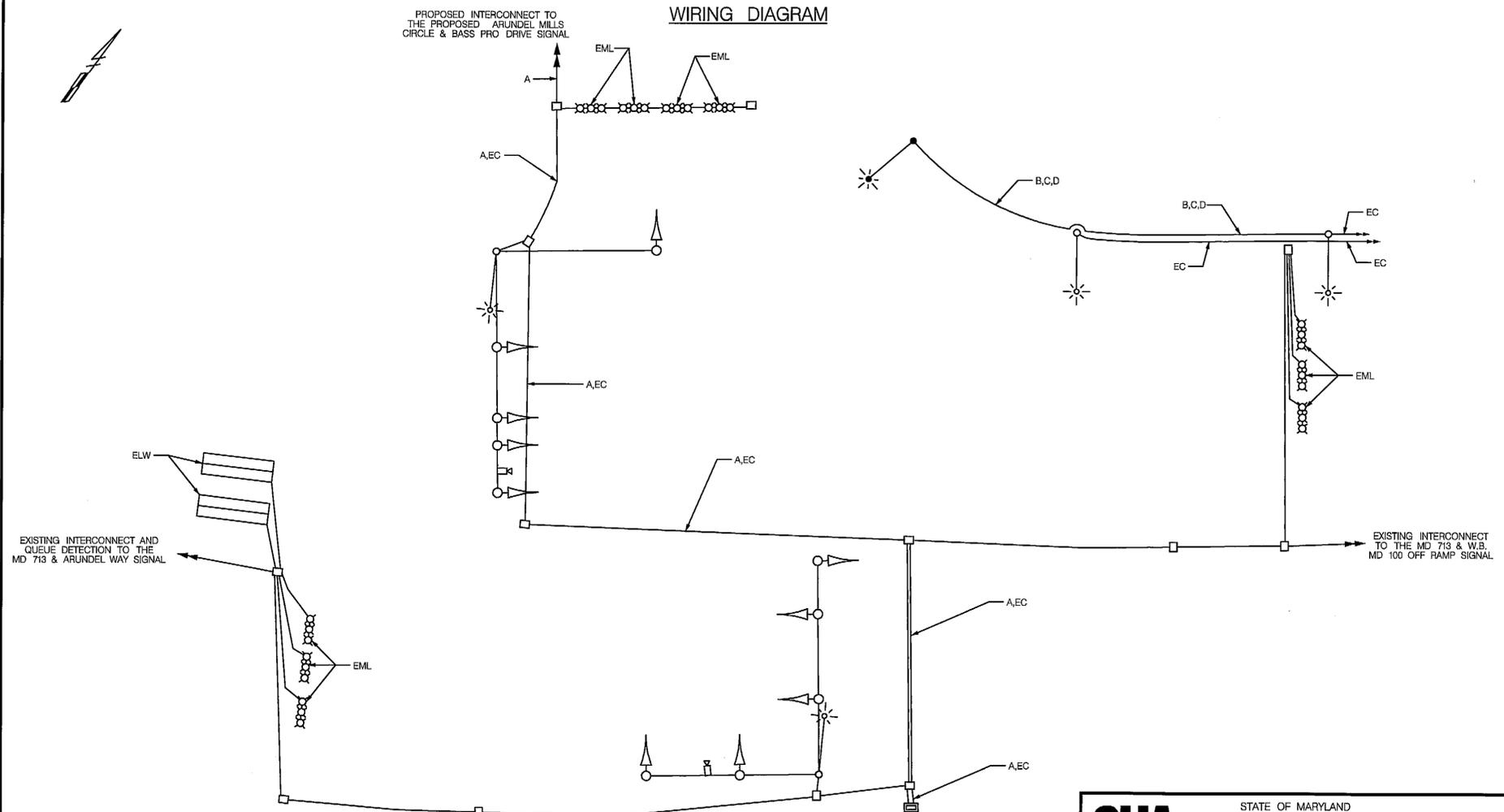
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631	MR. MIKE STOCKER SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668
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MR. ED RODENHIZER
CHIEF - SIGNAL OPERATIONS SECTION
(410) 787-7652

PHASE CHART

	1	2	3	4	5	6	7	8	9	10
PHASE 2 & 5	R	R	G	G	G	G	R	R	R	R
5 CHANGE	R	R	Y	Y	Y	Y	Y	R	R	R
PHASE 2 & 6	G	G	R	R	R	R	G	G	R	R
2 & 6 CHANGE	Y	Y	R	R	R	R	Y	Y	R	R
PHASE 4	R	R	R	R	R	R	R	G	G	G
4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FLY	FLY	FLR	FLR	FLR	FLY	FLY	FLR	FLR	FLR

WIRING DIAGRAM



WIRING KEY

- A 12-PAIR VOICE GRADE INTERCONNECT CABLE
- B-C 1-CONDUCTOR DUCT CABLE (NO. 4 A.W.G.)
- D STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- EML EXISTING MICRO-LOOP PROBE
- EC EXISTING CABLE
- ELW EXISTING LOOP WIRE
- X GROUND ROD

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 713 (ARUNDEL MILLS BLVD.) AND MD 100 EB RAMP /BASS PRO DR.

TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite B
Gambrills, MD 21054
(410) 923-7101
FAX: (410) 923-6473
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

GENERAL INFORMATION PLAN

SCALE NONE	DATE 10-13-11	CONTRACT NO. BW996M82
DESIGNED BY T.ZAYDEL	COUNTY ANNE ARUNDEL	
DRAWN BY T.ZAYDEL	LOGMILE 02071304.52	
CHECKED BY K.SCHMID	T.I.M.S. NO. K-971	
F.A.P. NO. NA	TOD NO.	
DRAWING NO. TS-4007B GI	SHEET NO. 2 OF 2	