

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 279 AND BELLE HILL ROAD IN CECIL COUNTY. MD 279 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE-LEFT TURN PHASE FOR NORTHBOUND AND SOUTHBOUND MD 279 AND SIDE STREET PHASING WILL NOW BECOME SPLIT.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A POLE MOUNTED CABINET WILL BE USED.

PHASING CHART

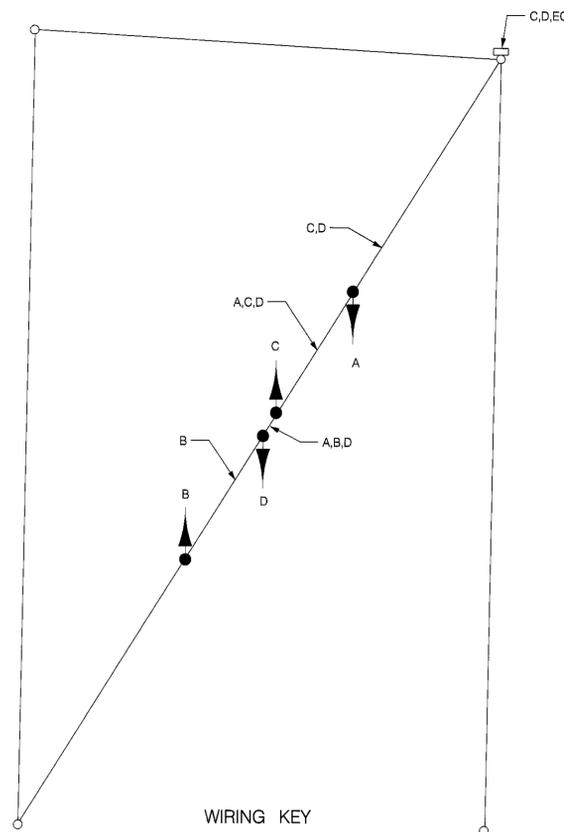
	1	2	3	4	5	6	7	8	9	10	11	12
	(G)	(G)	(R)	(R)	(G)	(G)	(R)	(R)	(G)	(G)	(R)	(R)
PHASE 1 & 5	<G-	<G-	R	R	<G-	<G-	R	R	R	R	R	R
1 & 5 CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6											
PHASE 1 & 6	<G-	<G-	G	G	<R-	<R-	R	R	R	R	R	R
1 & 6 CHANGE	<Y-	<Y-	Y	Y	<R-	<R-	R	R	R	R	R	R
PHASE 2 & 5	<R-	<R-	R	R	<G-	<G-	G	G	R	R	R	R
2 & 5 CHANGE	<R-	<R-	R	R	<Y-	<Y-	G	G	R	R	R	R
PHASE 2 & 6	<R-	<R-	G	G	<R-	<R-	G	G	R	R	R	R
2 & 6 CHANGE	<R-	<R-	Y	Y	<R-	<R-	Y	Y	R	R	R	R
PHASE 3	<R-	<R-	Y	Y	<R-	<R-	R	R	R	R	G	R
3 CHANGE	<R-	<R-	R	R	<R-	<R-	R	R	R	R	Y	Y
PHASE 4	<R-	<R-	R	R	<R-	<R-	R	R	G	R	R	R
4 CHANGE	<R-	<R-	R	R	<R-	<R-	R	R	Y	Y	R	R
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8011	14 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION
8048	LS	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT
8084	50 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
8085	290 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)

WIRING DIAGRAM



WIRING KEY
 A-B 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 C-D 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 EC EXISTING CABLE

EQUIPMENT LIST "A"

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

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. ROBERT KIEL
 ASSISTANT DISTRICT ENGINEER - TRAFFIC
 (410) 778-3061

MR. TERRY WRIGHT
 ASSISTANT DISTRICT ENGINEER - MAINTENANCE
 (410) 778-3061

MR. BARRY CLOTHIER
 ASSISTANT DISTRICT ENGINEER - UTILITIES
 (410) 778-3061

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

EQUIPMENT LIST "C"

C. MSHA FORCES SHALL REMOVE CONTROLLER AND ALL AUXILLARY EQUIPMENT. CABINET AND ALL OTHER MATERIAL TO BE REMOVED BY THE CONTRACTOR AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

NONE

SHA#: CE44205/DSD TOD#: XX10651-49

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 GENERAL INFORMATION
 MD 279 AND BELLE HILL ROAD

TRAFFIC CONCEPTS, INC.
 325 Gambrills Road
 Suite E
 Gambrills, MD 21054
 (410) 923-7101

FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

DRAWN BY: M.HOWELL	F.A.P. NO. XX1065185	TS NO. 2163-C	SHEET NO.
CHECKED BY: NONE	S.H.A. NO. CECIL	T.I.M.S. NO. F682	2 OF 2
SCALE: NONE	COUNTY: CECIL	LOG MILE: 07027903.39	
DATE: 05/2004			