PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 140 AND GORSUCH ROAD IN CARROLL COUNTY. ADDITIONAL THROUGH SIGNAL HEADS WILL BE PROVIDED FOR EASTBOUND AND WESTBOUND APPROACHES OF MD 140. MD 140 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE LEFT-TURN PHASE FOR THE EASTBOUND AND WESTBOUND MD 140 APPROACHES. MD 140 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY AND GORSUCH THROUGH MOVEMENTS WILL RUN CONSECUTIVELY.

EQUIPMENT LIST FOR CONTRACT NO. XX5245185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
NONE			

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

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
8001	6	EA	12 INCH LED SIGNAL HEAD SECTION
8061	50	LF	ELECTRICAL CABLE – 5 CONDUCTOR (NO. 14 AWG)
8062	130	LF	ELECTRICAL CABLE – 7 CONDUCTOR (NO. 14 AWG)
8069-A	11	SF	RELOCATE EXISTING SIGN
8070-A	1	EA	RELOCATE EXISTING SIGNAL HEAD

C. EQUIPMENT TO BE REMOVED.

ALL EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.

CONTACTS

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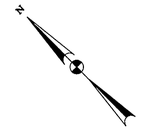
Assistant District Engineer – Traffic
Phone: (301) 624-8140/6141

Ms. Susan Palmer
Assistant District Engineer – Maintenance
Phone: (301) 624-8105/6106

Mr. Andre Abend
Utility Engineer
Phone: (301) 624-8115/6116

Mrs. Corren Johnson
Chief, Traffic Operations Division
Phone: (410) 787-7630

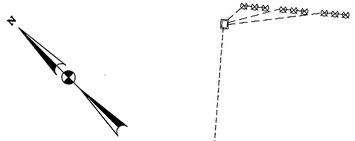
Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: (410) 787-7650



MD 140 ASSUMED TO RUN IN AN EAST/WEST DIRECTION

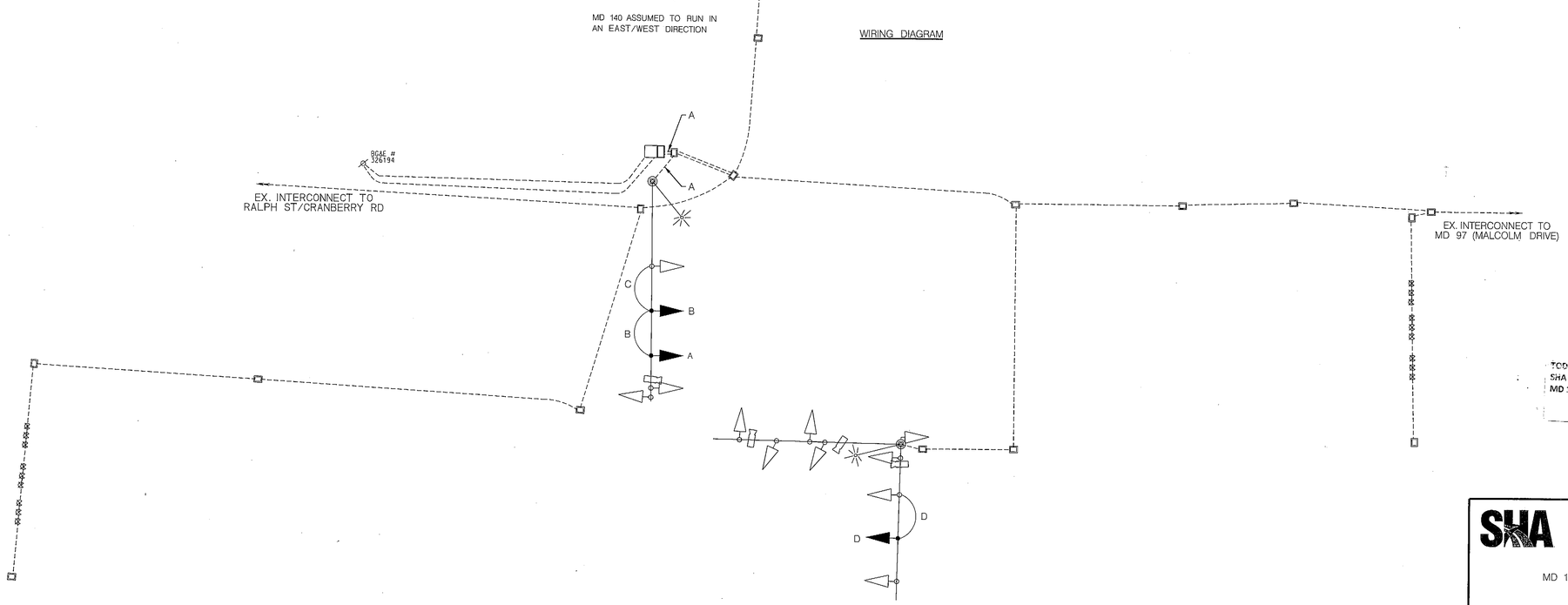
PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	◄R	◄R	R	R	R	◄R	◄R	R	R	R	R	R	R	R
	◄Y	◄Y	Y	Y	Y	◄Y	◄Y	Y	Y	Y	Y	Y	Y	Y
	◄G	◄G	G	G	G	◄G	◄G	G	G	G	G	G	◄G	G
PHASE 1 AND 5	◄G	◄G	R	R	R	◄G	◄G	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6														
PHASE 1 AND 6	◄G	◄G	G	G	G	◄R	◄R	R	R	R	R	R	R	R
1 CHANGE	◄Y	◄Y	G	G	G	◄R	◄R	R	R	R	R	R	R	R
PHASE 2 AND 5	◄R	◄R	R	R	R	◄G	◄G	G	G	G	R	R	R	R
5 CHANGE	◄R	◄R	R	R	R	◄Y	◄Y	G	G	G	R	R	R	R
PHASE 2 AND 6	◄R	◄R	G	G	G	◄R	◄R	G	G	G	R	R	R	R
2 AND 6 CHANGE	◄R	◄R	Y	Y	Y	◄R	◄R	Y	Y	Y	R	R	R	R
PHASE 3	◄R	◄R	R	R	R	◄R	◄R	R	R	R	G	G	R	R
PHASE 3 CHANGE	◄R	◄R	R	R	R	◄R	◄R	R	R	R	Y	Y	R	R
PHASE 4	◄R	◄R	R	R	R	◄R	◄R	R	R	R	R	R	G	G
PHASE 4 CHANGE	◄R	◄R	R	R	R	◄R	◄R	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/◄R	FL/◄R	FL/Y	FL/Y	FL/Y	FL/◄R	FL/◄R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R



MD 140 ASSUMED TO RUN IN AN EAST/WEST DIRECTION

WIRING DIAGRAM



TOD NO: XY524-03
SHA NO: CL201B53
MD 140 @ Gorsuch Road

WIRING KEY

A } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

B,C,D } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 140 (BALTIMORE BLVD) AT GORSUCH ROAD

WESTMINISTER, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE DATE 07/2013 CONTRACT NO. XX5245185

DESIGNED BY MA COUNTY CARROLL
DRAWN BY MA LOGMILE 060014008.37
CHECKED BY RM TIMS NO. L959
F.A.P. NO. TOD NO.

TS NO. I388-G | DRAWING SG-2 OF 2 | SHEET NO. 2 OF 2

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BY: fanyong

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