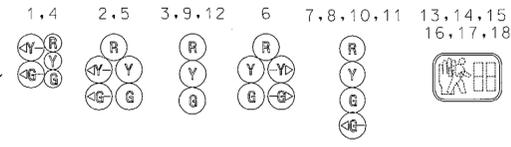
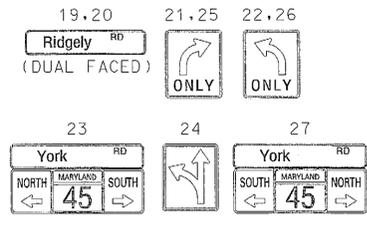


MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

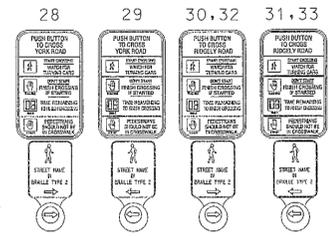
EXISTING SIGNALS TO REMAIN



EXISTING SIGNS TO REMAIN



EXISTING ACCESSIBLE PUSHBUTTONS TO REMAIN



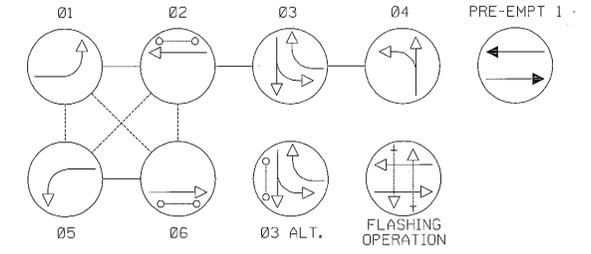
PROJECT DESCRIPTION

**GENERAL**  
THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM DETECTION FOR NORTHBOUND MD 45 (YORK ROAD) AT THE INTERSECTION OF MD 45 (YORK ROAD) AND RIDGELY ROAD IN BALTIMORE COUNTY, MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**  
THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX PHASE, FULL TRAFFIC ACTUATED MODE. A PROPOSED PRE-EMPTION PHASE WILL BE INSTALLED FOR NB MD 45 (YORK ROAD).

**CONTROLLER REQUIREMENTS**  
THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED EQUIPMENT SHALL REMAIN. THE CONTRACTOR SHALL PROVIDE THE SHA SIGNAL SHOP ONE (1) DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764 SYSTEM TO INSTALL WITHIN THE EXISTING CABINET.

NEMA PHASING



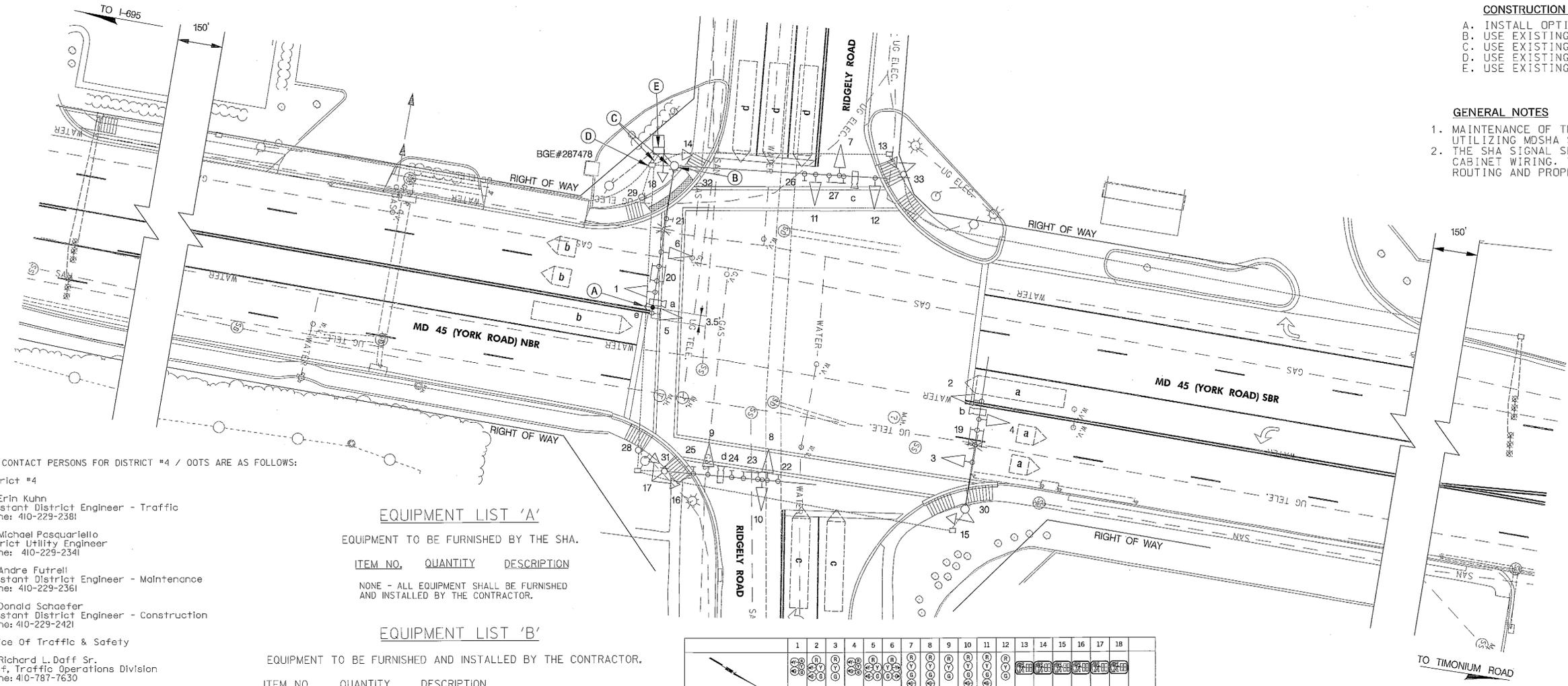
NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- A. INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM.
- B. USE EXISTING SIGNAL POLE.
- C. USE EXISTING CONDUIT.
- D. USE EXISTING HANDHOLE.
- E. USE EXISTING BASE MOUNTED CABINET.

GENERAL NOTES

- 1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
- 2. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.



THE CONTACT PERSONS FOR DISTRICT #4 / OOTS ARE AS FOLLOWS:

- District #4
- Ms. Erin Kuhn  
Assistant District Engineer - Traffic  
Phone: 410-229-2381
- Mr. Michael Pasquarillo  
District Utility Engineer  
Phone: 410-229-2341
- Mr. Andre Futrell  
Assistant District Engineer - Maintenance  
Phone: 410-229-2361
- Mr. Donald Schoefer  
Assistant District Engineer - Construction  
Phone: 410-229-2421
- Office Of Traffic & Safety
- Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630
- Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations  
410-787-7630
- Mr. Edward Rodenhizer  
Team Leader, Signal Operations  
Phone: 410-787-7650
- Mr. Eugene Bailey  
Team Leader Sign Operations  
410-787-7670
- The Power Company Representative is:  
Baltimore Gas & Electric Company  
7317 Parkway Drive South  
Hanover, MD 21076  
Phone: 410-859-9062

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO. QUANTITY DESCRIPTION

NONE - ALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO. QUANTITY DESCRIPTION

1001	1 EA	MAINTENANCE OF TRAFFIC
8032	100 LF	4 CONDUCTOR OPTICOM CABLE
8047	1 EA	DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764
8049	1 EA	OPTICOM NO. 721 DETECTOR EYE

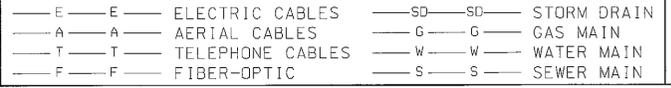
EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO. QUANTITY DESCRIPTION

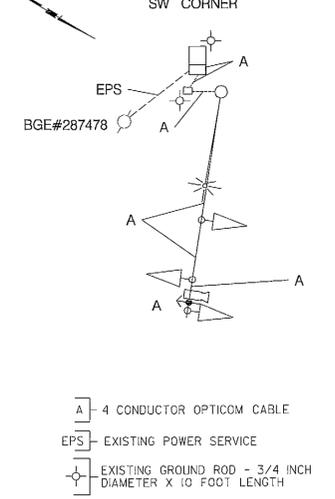
NONE - ALL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

UTILITY LEGEND



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																		
PHASE 1 AND 6	+GG	+GG	G	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 1 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	+GG	+GG	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 5 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	R	WK	WK	WK	WK
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	R	R	FLOW	FLOW	FLOW	FLOW
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	R	R	R	RG	+GG	+GG	G	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3 CHANGE	R	R	R	R	RY	+Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3 ALT.	R	R	R	R	RG	+GG	+GG	G	R	R	R	R	R	R	DW	DW	DW	WK
PED CLEARANCE	R	R	R	R	RG	+GG	+GG	G	R	R	R	R	R	R	DW	DW	DW	FLOW
PHASE 3 ALT. CHANGE	R	R	R	R	RY	+Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	R	R	R	+GG	+GG	G	DW	DW	DW	DW	DW	DW
PHASE 4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PRE-EMPTION 1	G	G	G	G	G	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PRE-EMPTION 1 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



TOD NO: XX645-02  
SHA NO: BA938B52  
MD 45 @ MD 131/Ridgely Road

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 45 (YORK ROAD) AT RIDGELY ROAD

SIGNALIZATION PLAN

APPROVALS		REVISIONS		SCALE 1" = 20', ADVERTISED DATE _____ CONTRACT NO. _____	
TEAM LEADER	ORIGINAL ON FILE	(P) INSTALL OPTICOM DETECTION FOR NORTHBOUND MD 45 (YORK ROAD) TMS#K727 SHA#XX64502	092011	DESIGNED BY _____	COUNTY BALTIMORE
ASST. DIV. CHIEF		E3 REDEFINE 3 - RECONSTRUCT SIGNAL DUE TO WIDENING SHA#BA7085171	092010	DRAWN BY W.R. SMITH	LOGMILE 03004504.40
DIVISION CHIEF		D INSTALL OPTICOM SHA#AT7085185	042806	CHECKED BY J.L.B.	TMS NO. _____
OFFICE DIRECTOR				F.A.P. NO. _____	TOD NO. _____
		TS NO. 4590F	DRAWING SG-02 OF 02	SHEET NO. 02 OF 02	

**STV**  
STV Incorporated  
7125 Ambassador Road, Suite 200  
Baltimore, MD 21244  
www.stvinc.com

BY: guilamc