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

EXISTING SIGNALS TO REMAIN

1,4,7,10 — 12"/8"

2,5,8,11 — 12"

3,6,9,12 — 12"

13,14,15,16, 17,18,19,20 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNS TO REMAIN

21,22 — Seminary AVE (DUAL FACED)

23,25 — ONLY

27 — ONLY

24 — York RD, NORTH / MARYLAND 45 / SOUTH

26 — York RD, SOUTH / MARYLAND 45 / NORTH

EXISTING ACCESSIBLE PUSHBUTTONS TO REMAIN

28,32 — PUSH BUTTON TO CROSS YORK ROAD

29,33 — PUSH BUTTON TO CROSS YORK ROAD

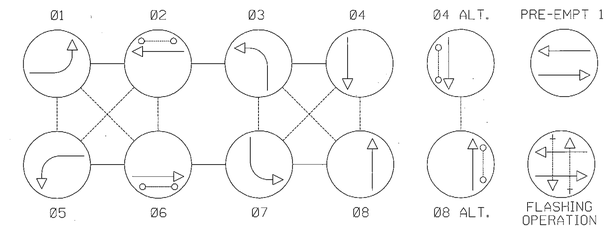
30,34 — PUSH BUTTON TO CROSS SEMINARY AVE

31,35 — PUSH BUTTON TO CROSS SEMINARY AVE

EXISTING VIDEO DETECTION

a,b,c,d

NEMA PHASING



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

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 MD 131 (SEMINARY AVENUE) 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 EIGHT PHASE, FULL TRAFFIC ACTUATED MODE. THE NB MD 45 (YORK ROAD) APPROACH WILL BE ADDED TO THE EXISTING PRE-EMPTION PHASE 1.

CONTROLLER REQUIREMENTS
THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED EQUIPMENT SHALL REMAIN.

EXISTING OPTICOM

e

PROPOSED OPTICOM

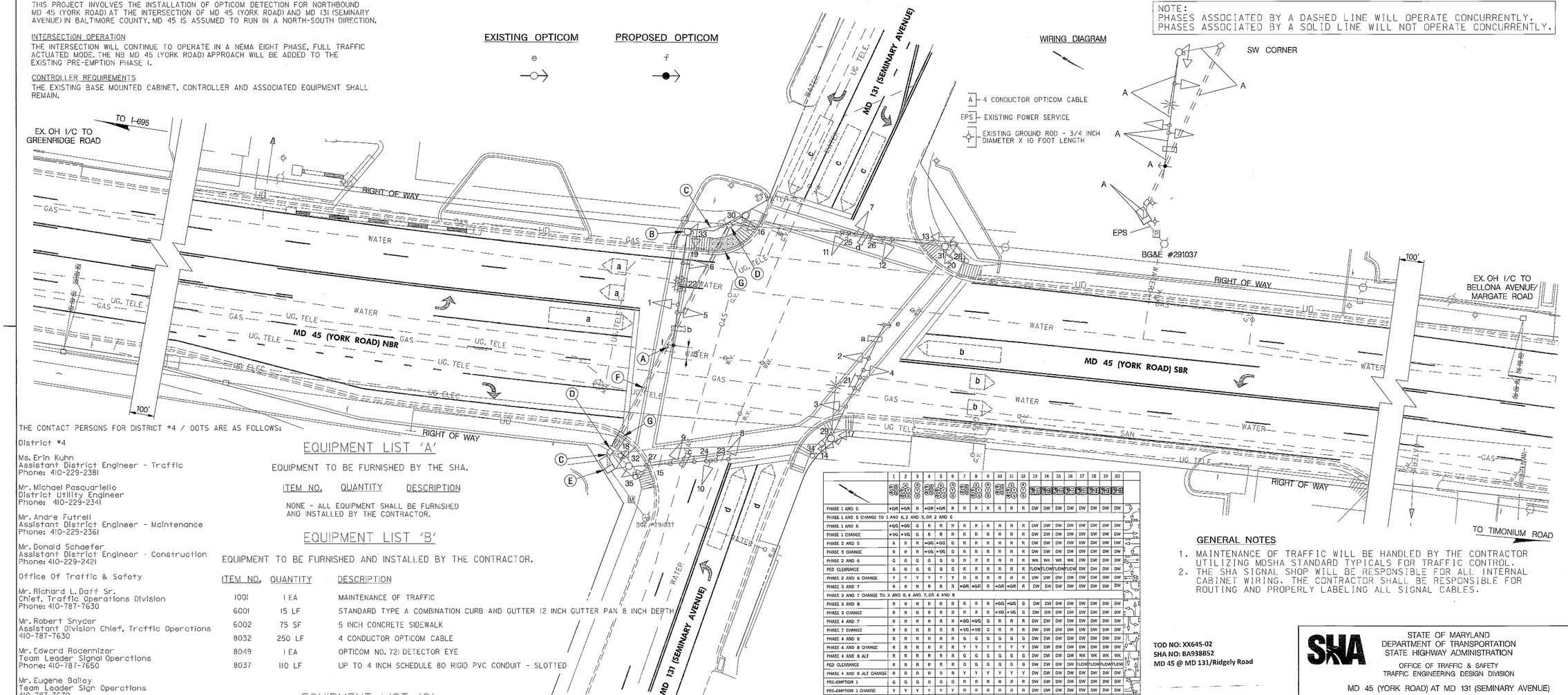
f

WIRING DIAGRAM

A — 4 CONDUCTOR OPTICOM CABLE

EPS — EXISTING POWER SERVICE

EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	23 25 27	24 26	24 26	24 26	24 26	24 26	24 26	24 26	24 26
PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	R	R	DW	DW	DW	DW	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	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 1 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	+GG	+GG	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 5 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	WK	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	FLOW	FLOW	FLOW	FLOW	FLOW	DW	DW	DW	DW
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 AND 7	R	R	R	R	R	R	+GR	+GR	R	+GR	+GR	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 AND 7 CHANGE TO 3 AND 8, 4 AND 7, OR 4 AND 8																				
PHASE 3 AND 8	R	R	R	R	R	R	R	R	R	+GG	+GG	G	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 CHANGE	R	R	R	R	R	R	R	R	R	+YG	+YG	G	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 7	R	R	R	R	R	R	+GG	+GG	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 7 CHANGE	R	R	R	R	R	R	+YG	+YG	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	WK	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FLOW	FLOW	FLOW	FLOW
PHASE 4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION 1	G	G	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION 1 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

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 Pasquariello
District Utility Engineer
Phone: 410-229-2341

Mr. Andre Futrell
Assistant District Engineer - Maintenance
Phone: 410-229-2361

Mr. Donald Schaefer
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
6001	15 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	75 SF	5 INCH CONCRETE SIDEWALK
8032	250 LF	4 CONDUCTOR OPTICOM CABLE
8049	1 EA	OPTICOM NO. 721 DETECTOR EYE
8037	110 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED

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.		

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.
F. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).
G. REMOVE EXISTING SIDEWALK AND CONSTRUCT 5 IN. CONCRETE SIDEWALK TO MATCH EXISTING GRADE.

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.

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

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

MD 45 (YORK ROAD) AT MD 131 (SEMINARY AVENUE)

LUTHERVILLE, MARYLAND

SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 05-09-78 CONTRACT NO. B-591-501-476

DESIGNED BY ____ COUNTY BALTIMORE
DRAWN BY GLYNIS B.HARRIS LOGMILE 03004503.67
CHECKED BY ____ TIMS NO. ____
F.A.P. NO. ____ TOD NO. ____

TS NO. 1580G | DRAWING SG-01 OF 02 | SHEET NO. 01 OF 02

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
G INSTALL OPTICOM DETECTION FOR NORTHBOUND MD 45 (YORK ROAD) TIMS#K727 SHA#XX645B5 05/2011 STV MCS
F INSTALL OPTICOM DETECTION FOR SOUTHBOUND MD 45 (YORK ROAD) 09/2010 XX535B5 STV CND DD
E RECONSTRUCT SIGNAL DUE TO WIDENING 03/2008 BA700517

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

BY: guillamc -

UTILITY LEGEND

E	ELECTRIC CABLES	SD	STORM DRAIN
A	AERIAL CABLES	G	GAS MAIN
T	TELEPHONE CABLES	W	WATER MAIN
F	FIBER-OPTIC	S	SEWER MAIN

PLOTTED: Wednesday, May 11, 2011 AT 03:11 PM
FILE: I:\PROJECTS\4014255\4014255_0127\Drawings\TRA\pSG-P001_MD 45 at MD 131.dgn