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

N

EXISTING SIGNALS

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

23,25 — R3-5L (30"x36")

27 — R3-5R (30"x36")

21, 22 — Seminary AVE — D-3(1) VARIABLE x 16"

24 — York Rd NORTH MARYLAND 45 SOUTH — M95-1-NL (MOD) (72"x40")

26 — York Rd SOUTH MARYLAND 45 NORTH — M95-1-NR (MOD) (72"x40")

28,32 — 29,33 — 30,34 — 31,35 — R10-4(1) (9"x12") W/ APS

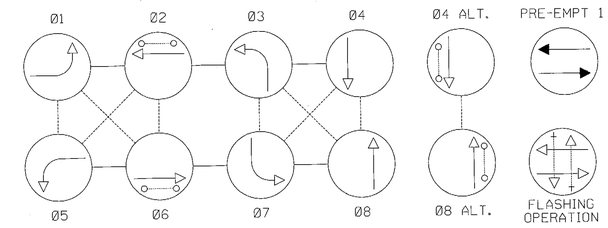
EXISTING VIDEO DETECTION

a,b,c,d

PROPOSED OPTICOM

e

NEMA PHASING

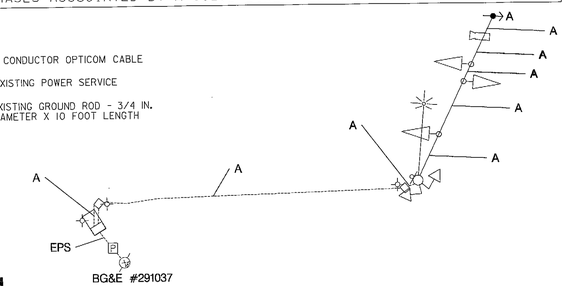


NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

A — 4 CONDUCTOR OPTICOM CABLE

EPS — EXISTING POWER SERVICE

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



PROJECT DESCRIPTION

GENERAL

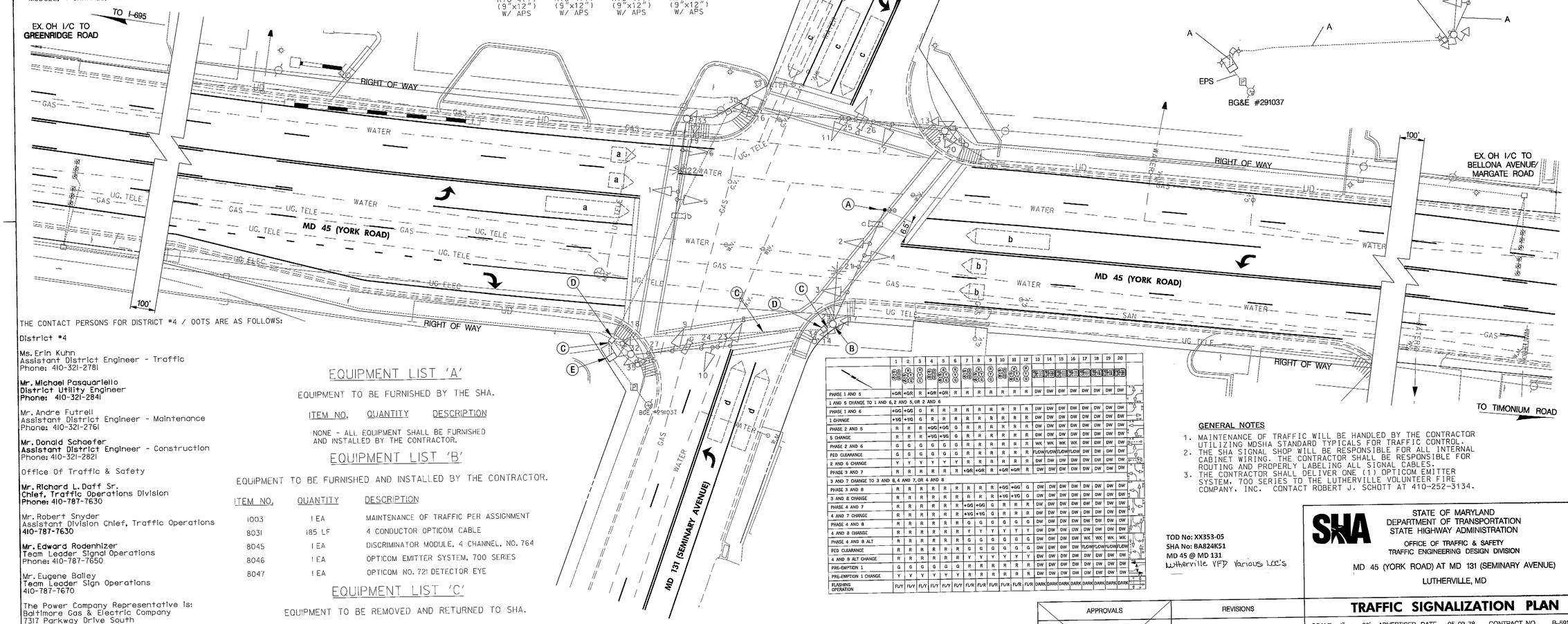
THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM DETECTION FOR SOUTHBOUND MD 45 (YORK ROAD) AT THE INTERSECTION OF MD 45 (YORK ROAD) AND MD 131 (SEMINARY AVENUE) IN BALTIMORE COUNTY. MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA EIGHT PHASE, FULL TRAFFIC ACTUATED MODE. A PROPOSED PRE-EMPTION PHASE WILL BE INSTALLED FOR SB 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.



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

District #4

Ms. Erin Kuhn
Assistant District Engineer - Traffic
Phone: 410-321-2781

Mr. Michael Pasquarielle
District Utility Engineer
Phone: 410-321-2841

Mr. Andre Futrell
Assistant District Engineer - Maintenance
Phone: 410-321-2761

Mr. Donald Schaefer
Assistant District Engineer - Construction
Phone: 410-321-2821

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
1003	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8031	185 LF	4 CONDUCTOR OPTICOM CABLE
8045	1 EA	DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764
8046	1 EA	OPTICOM EMITTER SYSTEM, 700 SERIES
8047	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.		

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
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
1 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	+GG	+GG	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
5 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FLOW	FLOW	FLOW	FLOW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	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
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
3 AND 8 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
4 AND 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	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
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	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW
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

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.
3. THE CONTRACTOR SHALL DELIVER ONE (1) OPTICOM EMITTER SYSTEM, 700 SERIES TO THE LUTHERVILLE VOLUNTEER FIRE COMPANY, INC. CONTACT ROBERT J. SCHOTT AT 410-252-3134.

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.

UTILITY LEGEND

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

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

BY: guillamc –

APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

F	INSTALL OPTICOM DETECTION FOR SOUTHBOUND MD 45 (YORK ROAD)	020010 XX5353105
E	RECONSTRUCT SIGNAL DUE TO WIDENING	032006 BA7068171

TOD No: XX353-05
SHA No: BA824K51
MD 45 @ MD 131
Lutherville VFD Various Loc's

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, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 05-09-78 CONTRACT NO. B-591-601-476

DESIGNED BY
DRAWN BY GLYNIS B. HARRIS
CHECKED BY
F.A.P. NO.

COUNTY BALTIMORE
LOGMILE 03004503.67
TIMS NO. J883
TOD NO.

TS NO. 1580F | DRAWING SG-01 OF 06 | SHEET NO. 01 OF 06

PLOTTED: Tuesday, February 23, 2010 AT 02:23 PM
FILE: I:\PROJECTS\4014255\4014255_0045\Drawings\TRA\MD 45 at MD 131\pSG-P001_MD 45 at MD 131.dgn