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

EXISTING SIGNALS

1,2,6,7 / 9,10,11,12 — R, Y, G — 12"

3,4,5 — JR, JY, JR — 12"

8 — R, Y, G — 8"

13,14,15,16 / 17,18,19,20 — 12"

EXISTING SIGNS

21,23 — Fairmount AVE

21a,23a — Fairmount AVE — DUAL FACED

26 — ONLY

27,28

31 — NO TURN ON RED

33 — York RD

36 — SOUTH / MARYLAND 45 / NORTH

22,24,25,29

30,34 — APS

32,35 — APS

EXISTING VIDEO DETECTION

a,b,c

EXISTING OPTICOM

d

PROPOSED OPTICOM

e

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	R Y G	R Y G	JR JY JR	JR JY JR	JR JY JR	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	DW PA	DW PA	DW PA	DW PA	DW PA	DW PA	DW PA	DW PA
PHASE 2 AND 5	R	R	+G	+G	+G	G	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 5 CHANGE	R	R	+Y	+Y	+Y	G	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 AND 6	G	G	+R	+R	+R	G	G	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PEDESTRIAN CLEARANCE	G	G	+R	+R	+R	G	G	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
PHASE 2 AND 6 CHANGE	Y	Y	+R	+R	+R	Y	Y	R	R	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	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT.	R	R	+R	+R	+R	R	R	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PEDESTRIAN CLEARANCE	R	R	+R	+R	+R	R	R	G	G	G	G	G	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW
PHASE 4 AND 8 ALT. CHANGE	R	R	+R	+R	+R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION 1	G	G	+R	+R	+R	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION 1 CHANGE	Y	Y	+R	+R	+R	Y	Y	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/Y	FL/Y	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: 410-321-2781

Mr. Michael Pasquariello
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

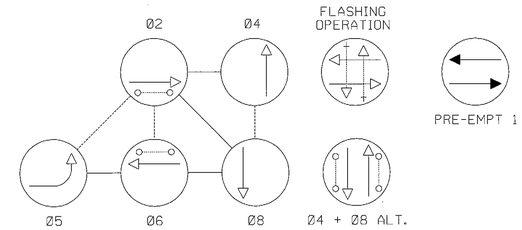
Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

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

NEMA PHASING



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

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

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
NONE	NONE	NONE

EQUIPMENT LIST 'B'

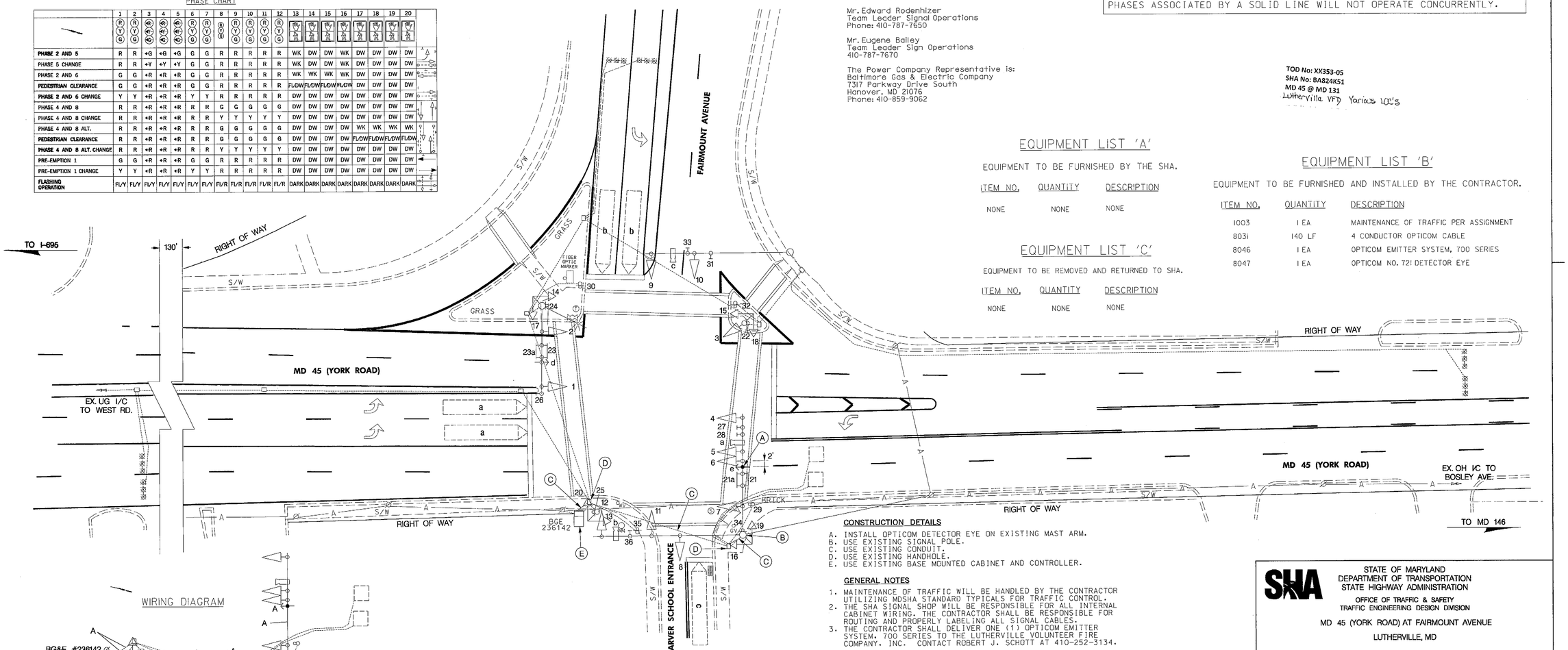
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8031	140 LF	4 CONDUCTOR OPTICOM CABLE
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	NONE	NONE



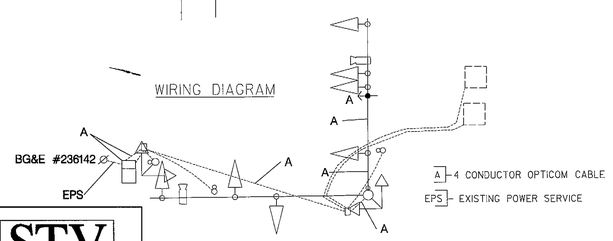
CONSTRUCTION DETAILS

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 AND CONTROLLER.

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.

WIRING DIAGRAM



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 FAIRMOUNT 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 FIVE PHASE, FULL TRAFFIC ACTUATED MODE. A PROPOSED PRE-EMPTION PHASE WILL BE INSTALLED FOR SOUTHBOUND MD 45 (YORK ROAD).

CONTROLLER REQUIREMENTS

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

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: guiliamc –

APPROVALS

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

REVISIONS

D INSTALL OPTICOM DETECTION FOR SOUTHBOUND MD 45 (YORK ROAD) SHA NO. XX3535108 — 02 / 2010 — STV SBS
C INSTALL OPTICOM — SHA NO. AT7825185 — 4/28/06 — JA
B ADD NAVIGATOR PEDESTRIAN SIGNAL STATIONS SHA NO. AT3575185 — 4/28/04

PLOTTED: Tuesday, February 23, 2010 AT 02:23 PM
FILE: I:\PROJECTS\4014255\4014255_0045\Drawings\TRA\MD 45 at Fairmount Avenue\pSG-P000_fairmount.dgn

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

MD 45 (YORK ROAD) AT FAIRMOUNT AVENUE

LUTHERVILLE, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE _____ CONTRACT NO. _____

DESIGNED BY BALT. CO. — COUNTY BALTIMORE
DRAWN BY FH — LOGMILE 03004502.82
CHECKED BY DJD — TIMS NO. J883
F.A.P. NO. _____ — TOD NO. _____

TS NO. 3981D | DRAWING SG-03 OF 03 | SHEET NO. 3 OF 6