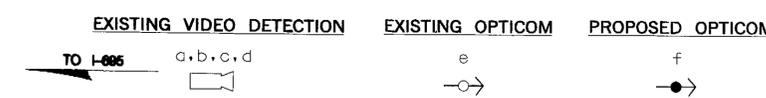
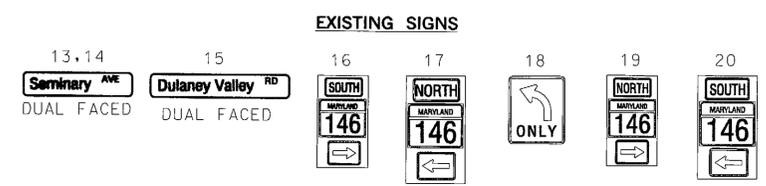
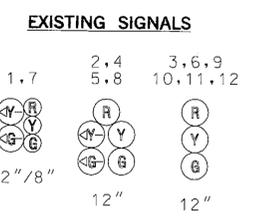


NOTE: MD 146 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.



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

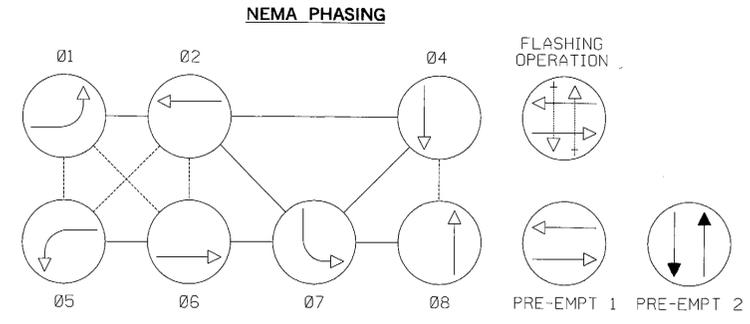
Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

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

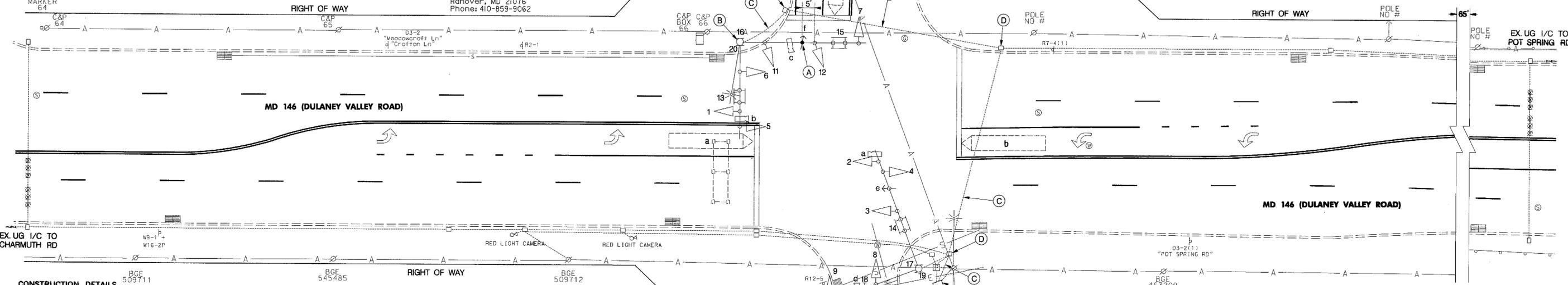
Mr. Edward Rodenhizer
Team Leader Signal Operations
Phone: 410-787-7650

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

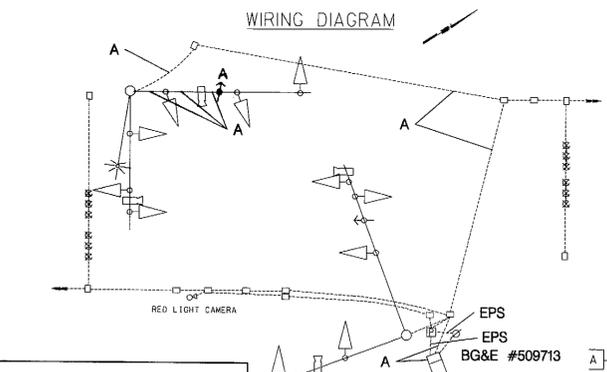


NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY / WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



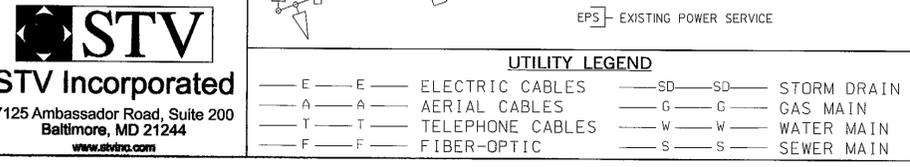
- CONSTRUCTION DETAILS**
- INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM.
 - USE EXISTING SIGNAL POLE.
 - USE EXISTING CONDUIT.
 - USE EXISTING HANDHOLE.
 - USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.

- GENERAL NOTES**
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
 - 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 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.



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 AND 5	*G R	*G R	R	*G R	*G R	R	R	R	R	R	R	R
PHASE 1 AND 6	*G R	*G R	G	*G R	*G R	R	R	R	R	R	R	R
PHASE 1 CHANGE	*Y G	*Y G	G	*Y G	*Y G	R	R	R	R	R	R	R
PHASE 2 AND 5	R	R	*G R	*G R	G	R	R	R	R	R	R	R
PHASE 2 AND 6	R	R	*G R	*G R	G	R	R	R	R	R	R	R
PHASE 2 CHANGE	R	R	*Y G	*Y G	G	R	R	R	R	R	R	R
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 4 AND 7	R	R	R	R	R	R	*G R	*G R	G	R	R	R
PHASE 4 AND 7 CHANGE	R	R	R	R	R	R	*Y G	*Y G	G	R	R	R
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G
PHASE 4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
PRE-EMP 1	G	G	G	G	G	G	R	R	R	R	R	R
PRE-EMPT 1 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PRE-EMPT 2	R	R	R	R	R	R	G	G	G	G	G	G
PRE-EMPT 2 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
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



GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM DETECTION FOR EASTBOUND SEMINARY AVENUE AT THE INTERSECTION OF MD 146 (DULANEY VALLEY ROAD) AND SEMINARY AVENUE, IN BALTIMORE COUNTY, MD 146 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SEVEN PHASE, FULL TRAFFIC ACTUATED MODE. A PROPOSED PRE-EMPTION PHASE WILL BE INSTALLED FOR EASTBOUND SEMINARY AVENUE.

CONTROLLER REQUIREMENTS

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

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8031	290 LF	4 CONDUCTOR OPTICOM CABLE
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

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	290 LF	4 CONDUCTOR OPTICOM CABLE
8047	1 EA	OPTICOM NO. 721 DETECTOR EYE

APPROVALS

TEAM LEADER: [Signature]

ASST. DIV. CHIEF: [Signature]

DIVISION CHIEF: [Signature]

OFFICE DIRECTOR: [Signature]

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 146 (DULANEY VALLEY ROAD) AT SEMINARY AVENUE
LUTHERVILLE, MD

TRAFFIC SIGNALIZATION PLAN

SCALE: 1" = 20' ADVERTISED DATE: 3-7-06 CONTRACT NO. _____

DESIGNED BY: BALT. CO. COUNTY: BALTIMORE

DRAWN BY: C.D.K. LOGMILE: 03014601.69

CHECKED BY: BALT. CO. TMS NO.: J883

F.A.P. NO.: _____ TOD NO.: _____

TS NO. 372J DRAWING 5G-06 OF 06 SHEET NO. 6 OF 6