

PROJECT DESCRIPTION

GENERAL
 THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM DETECTION FOR SOUTHBOUND BELLONA AVENUE AT THE INTERSECTION OF MD 131 (SEMINARY AVENUE) AND BELLONA AVENUE IN BALTIMORE COUNTY, MD 131 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

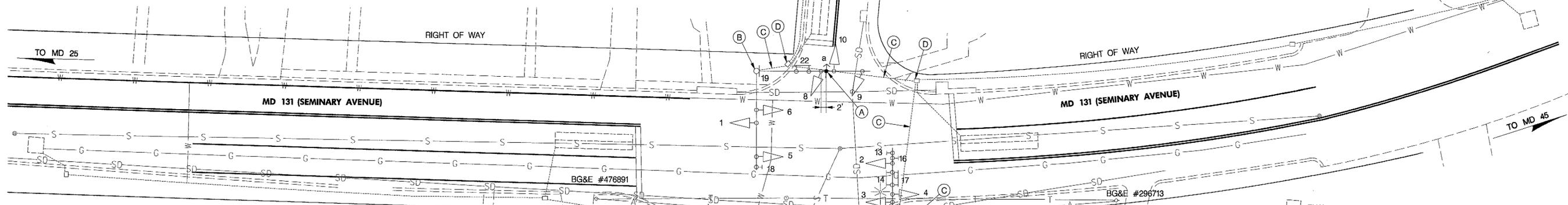
INTERSECTION OPERATION
 THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX PHASE, FULL TRAFFIC ACTUATED MODE. A PROPOSED PRE-EMPTION PHASE WILL BE INSTALLED FOR SB BELLONA AVENUE.

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 TO INSTALL WITHIN THE CABINET.

PROPOSED OPTICOM



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.
 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.

THE CONTACT PERSONS FOR DISTRICT #4 / 00TS ARE AS FOLLOWS:
 District #4

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

Mr. Michael Pasquarillo
 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.

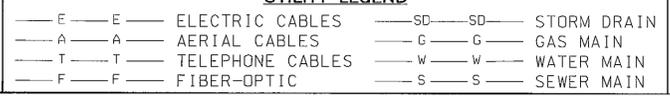
ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8031	200 LF	4 CONDUCTOR OPTICOM CABLE
8045	1 EA	DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764
8047	1 EA	OPTICOM NO. 721 DETECTOR EYE

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.

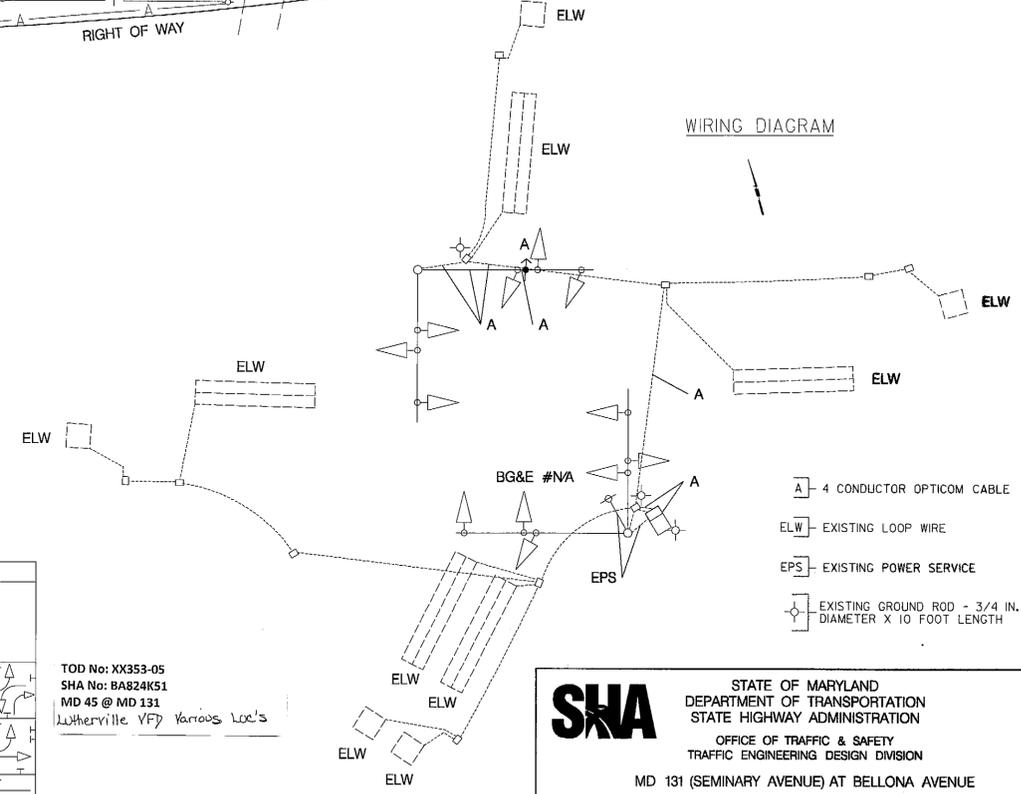
UTILITY LEGEND



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 AND 5	←GR	←GR	R	←GR	←GR	R	RG→	R	RG→	R	R	R
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
PHASE 1 CHANGE	←YG	←YG	G	R	R	R	R	R	R	R	R	R
PHASE 2 AND 5	R	R	R	←GG	←GG	G	RG→	R	RG→	R	R	R
PHASE 5 CHANGE	R	R	R	←YG	←YG	G	RY→	R	RY→	R	R	R
PHASE 2 AND 6	G	G	G	G	G	G	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 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-EMPTION 1	R	R	R	R	R	R	G	G	G	G	G	G
PRE-EMPTION 1 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR

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



APPROVALS	REVISIONS
TEAM LEADER: ORIGINAL ON FILE	01 INSTALL OPTICOM DETECTION FOR SB BELLONA AVENUE SHA NO. XX3531988 02/2010 MICC C REDLINE REVISION SHA NO. 8-871-501-477 MARCH 12, 1993 JJD JFI DOZ EP TH B ASBUILT AND RECONSTRUCT DUE TO NEW GEOMETRICS SHA NO. 8-871-501-477 OCT. 9, 1990 P.R.D.

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 131 (SEMINARY AVENUE) AT BELLONA AVENUE
 LUTHERVILLE, MD

TRAFFIC SIGNALIZATION PLAN

SCALE: 1" = 20' ADVERTISED DATE: JUNE 14, 1995. CONTRACT NO. N/A

DESIGNED BY: N/A	COUNTY: BALTIMORE
DRAWN BY: T.G. WHITE	LOGMILE: 03013102.73
CHECKED BY: N/A	TIMS NO.: JB83
F.A.P. NO.:	TOD NO.:

TS NO. 2501D DRAWING SG-05 OF 06 SHEET NO. 05 OF 06