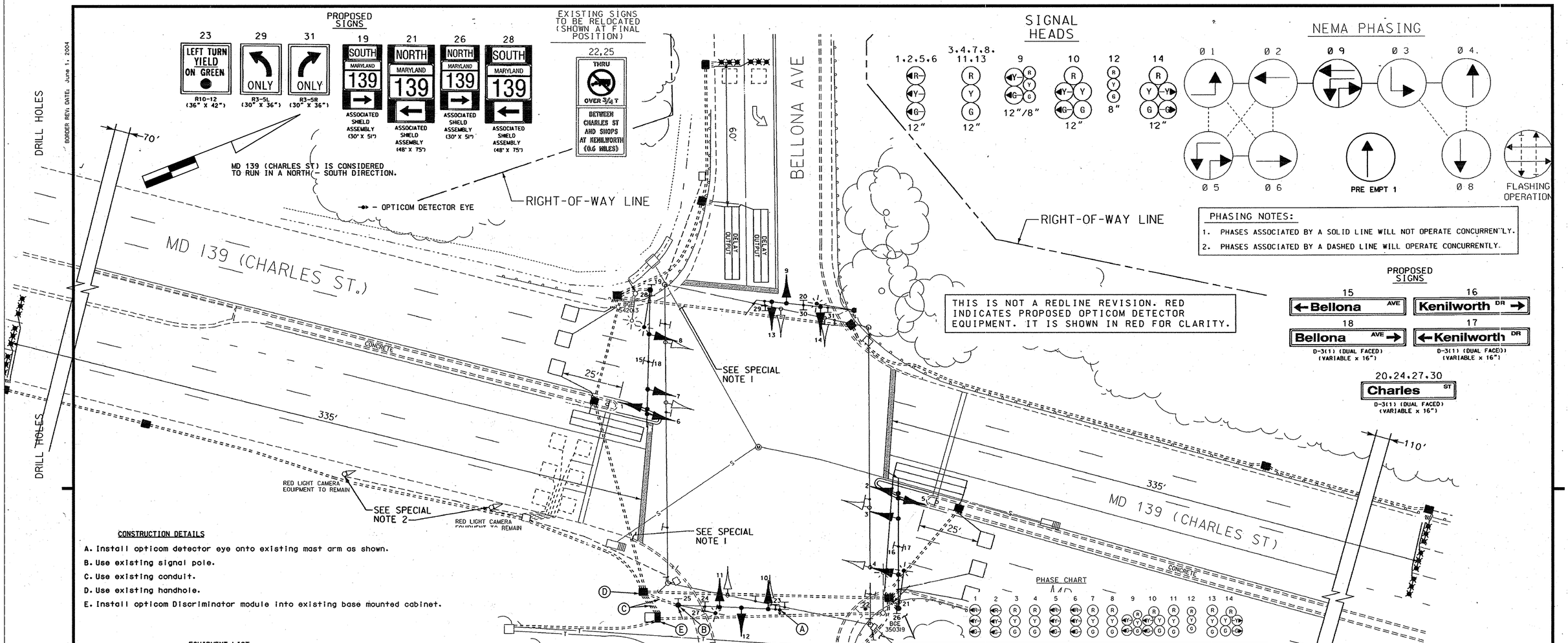


PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

A. Install opticom detector eye onto existing mast arm as shown.
B. Use existing signal pole.
C. Use existing conduit.
D. Use existing handhole.
E. Install opticom Discriminator module into existing base mounted cabinet.

EQUIPMENT LIST

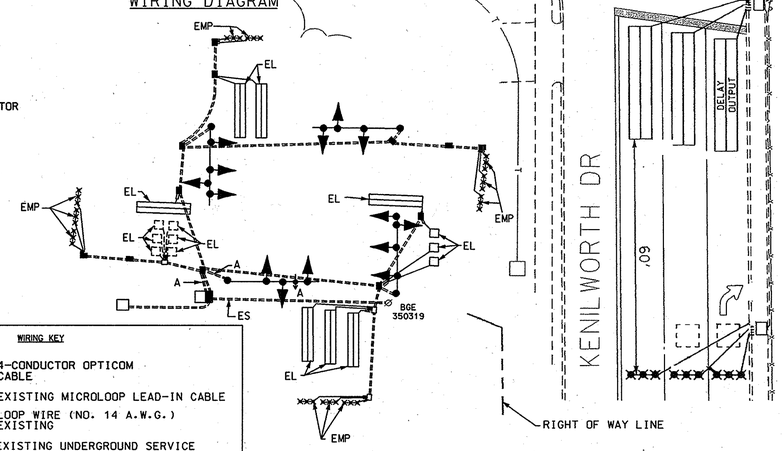
A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

There is no equipment to be supplied by the SHA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	* - MOT FOR THIS INTERSECTION ALREADY BEEN COVERED ON SHEET 1/2.	
8008	3M opticom Discriminator module. 4 channel #764.	1 EA
8033	4 conductor opticom detector cable.	110 L.F.
8066	Opticom #721 detector eye.	1 EA

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 5	◄G-	◄G-	R	R	◄G-	◄G-	R	R	R	R	R	R	R	R/-G►
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6														
PHASE 1 & 6	◄G-	◄G-	G	G	◄R-	◄R-	R	R	R	R	R	R	R	R
1 & 6 CHANGE	◄Y-	◄Y-	G	G	◄R-	◄R-	R	R	R	R	R	R	R	R
PHASE 2 & 5	◄R-	◄R-	R	R	◄G-	◄G-	G	G	R	R	R	R	R	R/-G►
2 & 5 CHANGE	◄R-	◄R-	R	R	◄Y-	◄Y-	G	G	R	R	R	R	R	R/-Y►
PHASE 2 & 6	◄R-	◄R-	G	G	◄R-	◄R-	G	G	R	R	R	R	R	R
2 & 6 CHANGE	◄R-	◄R-	Y	Y	◄R-	◄R-	Y	Y	R	R	R	R	R	R
PHASE 3 & 8	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G-/G	◄G-/G	G	R	R	R
3 & 8 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄R-/G	◄R-/G	G	R	R	R
PHASE 4 & 8	◄R-	◄R-	R	R	◄R-	◄R-	R	R	G	G	G	G	G	G
4 & 8 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	Y	Y	Y	Y	Y	Y
PRE EMPT 1	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	G	G	G
PRE EMPT 1 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/◄R-	FL/◄R-	FL/Y	FL/Y	FL/◄R-	FL/◄R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

TOD No.: AT782-29
SHA No.: BA563A/B52

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 139 (CHARLES ST) AND KENILWORTH AVE / BELLONA AVE

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE —A—A—
ELECTRIC —E—E—
TELEPHONE —T—T—
GAS —G—G—
SEWER —S—S—
WATER —W—W—
CABLE TV —TV—TV—

WIRING KEY
A - 4-CONDUCTOR OPTICOM CABLE
EMP - EXISTING MICROLOOP LEAD-IN CABLE
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
ES - EXISTING UNDERGROUND SERVICE MAINTAINED BY BGE

REVISION "C"
STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6537
5064c.dgn

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

REVISIONS
© INSTALLING OPTICOM SHA NO.: AT782-165 4/28/06
JWA
B 01-02 RECONSTRUCT TRAFFIC SIGNAL SHA NO.: BA7235176
NML MDS DJD
A 01-91 INSTALL NORTH BOUND EP. LT PHASING
MEL

PLOTTED: @DATETIME@
FILE: @FILE@

SCALE 1"= 20' DATE 3-7-06 CONTRACT NO.
DESIGNED BY BALT. CO. COUNTY BALTIMORE
DRAWN BY CL/VY LOGMILE 03013903.25
CHECKED BY JWE TIMS NO. H423
F.A.P. NO. TOD NO.
TS NO. DRAWING NO. 3 OF 11 SHEET NO. OF

...\5064\5064\5064c.dgn Apr 28, 2006 10:06:56
BORDER REV. DATE: June 1, 2004