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

EXISTING SIGNS TO REMAIN

13,16 — LEFT TURN YIELD ON GREEN

14,15 — Seminary Ave (D3-2 (DUAL FACED) (VARIABLE x 16"))

20,22 — York Road (D3-2 (DUAL FACED) (VARIABLE x 16"))

17 — NORTH / SOUTH (MARYLAND 45)

21 — SOUTH / NORTH (MARYLAND 45)

EXISTING SIGNS TO BE RELOCATED (SHOWN AT FINAL LOCATION)

18,24 — ONLY (R3-5L (30" X 36"))

PROPOSED SIGNS

19,23 — LEFT TURN YIELD ON GREEN (R10-12 (36" X 42"))

EXISTING SIGNALS TO REMAIN

1,3 — 12"

2,4 — 12"

6,8 — 8"

9-12

EXISTING SIGNALS TO BE REMOVED

5a,7a — 8"

PROPOSED SIGNALS

5,7 — 12"/8"

PROPOSED VIDEO DETECTION

a,b,c,d

PROPOSED SIGNAL

→ - OPTICOM DETECTOR EYE

NEMA PHASING

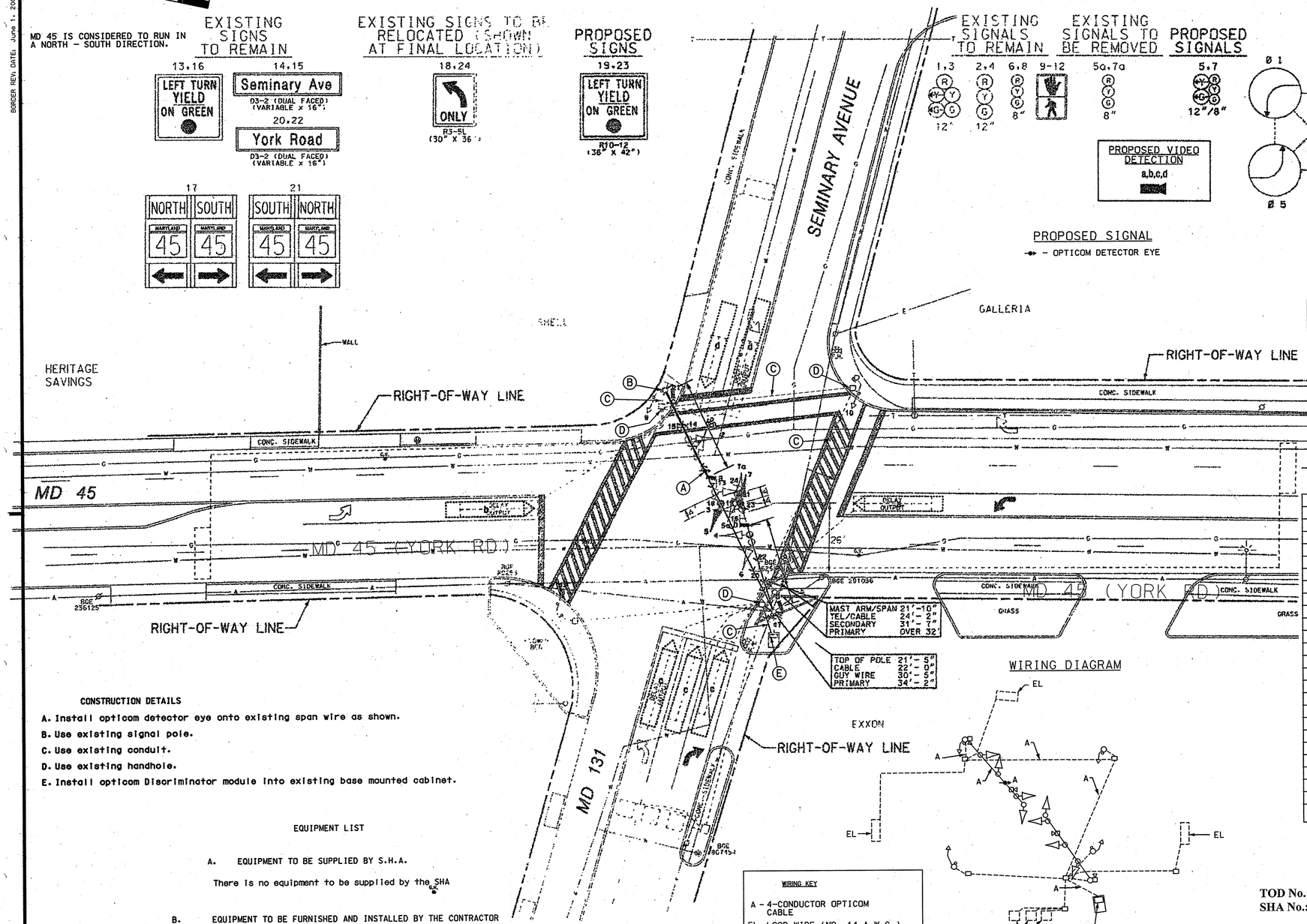
Ø 1, Ø 2, Ø 3, Ø 4, Ø 4 ALT, Ø 5, Ø 6, Ø 7, Ø 8, Ø 8 ALT, PRE EMPT 1

FLASHING OPERATION

PHASING NOTES:

1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

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



WIRING DIAGRAM

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 & 5	◄G-/R	R	◄G-/R	R	R	R	R	R	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6												
PHASE 1 & 6	◄G-/G	G	R	R	R	R	R	R	DW	DW	DW	DW
1 & 6 CHANGE	◄Y-/G	G	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	R	R	◄G-/G	G	R	R	R	R	DW	DW	DW	DW
2 & 5 CHANGE	R	R	◄Y-/G	G	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	R	R	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 3 & 7	R	R	R	R	◄G-/R	R	◄G-/R	R	DW	DW	DW	DW
CHANGES TO PHASES 3 & 8, 4 & 7 OR 4 & 8												
PHASE 3 & 8	R	R	R	R	R	R	◄G-/G	G	DW	DW	DW	DW
3 & 8 CHANGE	R	R	R	R	R	R	◄Y-/G	G	DW	DW	DW	DW
PHASE 3 & 8 ALT	R	R	R	R	R	R	◄G-/G	G	WK	DW	DW	WK
3 & 8 ALT CHANGE	R	R	R	R	R	R	◄Y-/G	G	WK	DW	DW	WK
PHASE 4 & 7	R	R	R	R	◄G-/G	G	R	R	DW	DW	DW	DW
4 & 7 CHANGE	R	R	R	R	◄Y-/G	G	R	R	DW	DW	DW	DW
PHASE 4 & 7 ALT	R	R	R	R	◄G-/G	G	R	R	DW	WK	WK	DW
4 & 7 CHANGE ALT	R	R	R	R	◄Y-/G	G	R	R	DW	WK	WK	DW
PHASE 4 & 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PRE EMPT 1	G	G	R	R	R	R	R	R	DW	DW	DW	DW
PRE EMPT 1 CHANGE	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

CONSTRUCTION DETAILS

A. Install opticom detector eye onto existing span wire 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	* - NOT 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.	250 L.F.
8066	Opticom #721 detector eye.	1 EA

WIRING KEY

A - 4-CONDUCTOR OPTICOM CABLE

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

ES - EXISTING SERVICE MAINTAINED BY BGE

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 —

THIS IS NOT A REDLINE REVISION. RED INDICATES PROPOSED OPTICOM DETECTOR EQUIPMENT. IT IS SHOWN IN RED FOR CLARITY.

REVISION "D"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

5064d.dgn

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

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 45 (YORK RD) AND
MD 131 (SEMINARY AVE)

APPROVALS

ORIGINAL ON FILE

TEAM LEADER

ASST. DIV.

DIVISION CHIEF

OFFICE DIRECTOR

REVISIONS

D INSTALLING OPTICOM SHA NO.: AT7825185 4/28/06

JA

C 10-14-04 INSTALL VIDEO DETECTION SHA NO.: AT6045185

B 5-97 INSTALL E/P LEFT-TURN PHASING ON MD 131 (SEMINARY AVENUE)

PLOTTED: @DATETIME@
FILE: @FILE@

SCALE 1"= 20' DATE 3-8-06 CONTRACT NO.

DESIGNED BY G. HARRIS COUNTY BALTIMORE

DRAWN BY G. HARRIS LOGMILE 03004503.63

CHECKED BY BALT. CO. TIMS NO. H423

F.A.P. NO. TOD NO.

TS NO. 1580D DRAWING NO. 4 OF 11 SHEET NO. OF

DRILL HOLES

BORDER REV: DATE: June 1, 2004

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