DRILL HOLES

BORDER REV. DATE: June 1, 2004

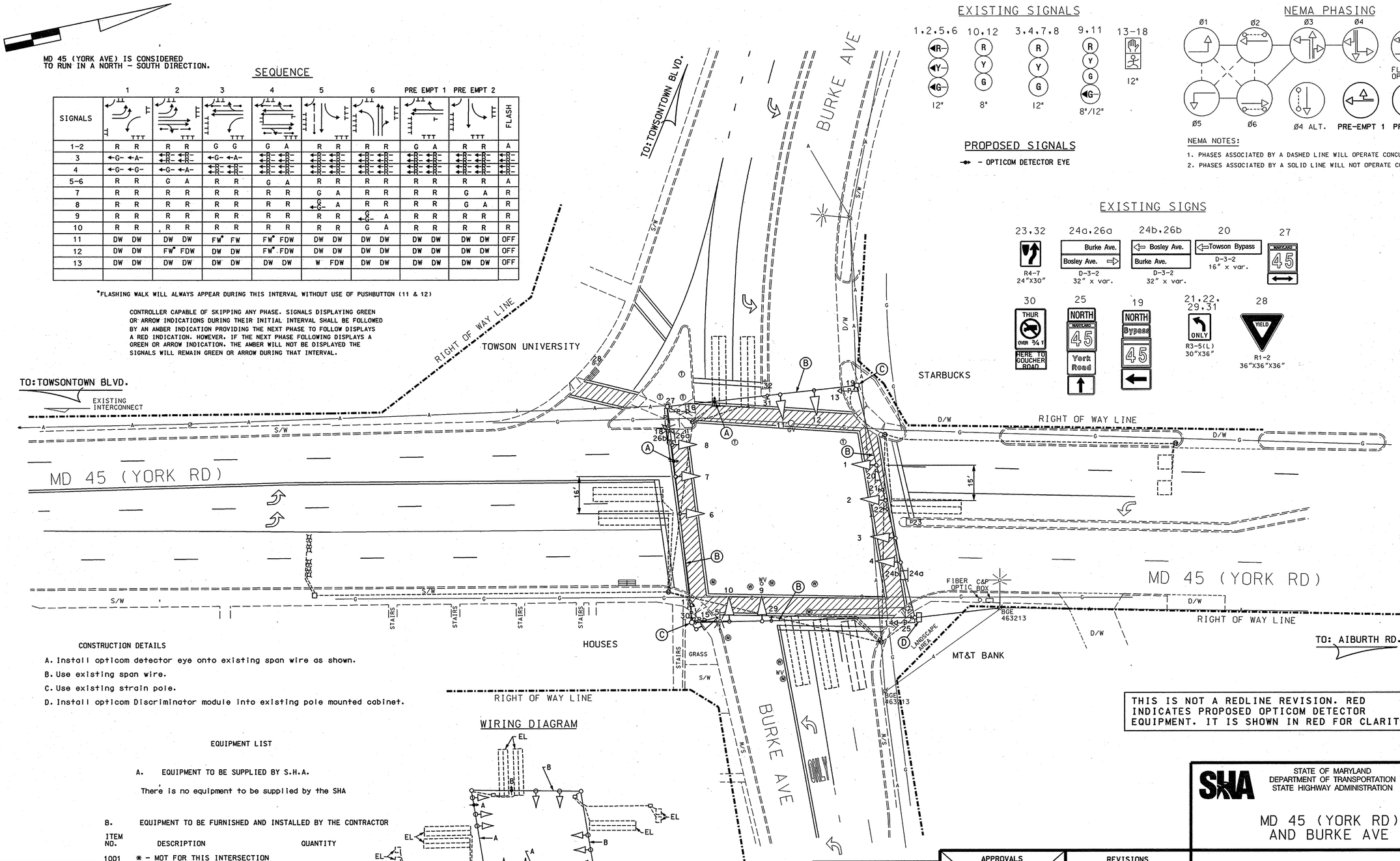
MD 45 (YORK AVE) IS CONSIDERED TO RUN IN A NORTH - SOUTH DIRECTION.

SEQUENCE

SIGNALS	1	2	3	4	5	6	PRE EMPT 1	PRE EMPT 2	FLASH
1-2	R R	R R	G G	G A	R R	R R	G A	R R	A
3	←G- ←A-	←R- ←R-	←G- ←A-	←R- ←R-	←R- ←R-	←R- ←R-	←R- ←R-	←R- ←R-	←R- ←R-
4	←G- ←G-	←G- ←A-	←R- ←R-	←R- ←R-	←R- ←R-	←R- ←R-	←R- ←R-	←R- ←R-	←R- ←R-
5-6	R R	G A	R R	G A	R R	R R	R R	R R	A
7	R R	R R	R R	R R	G A	R R	R R	G A	R
8	R R	R R	R R	R R	←G- A	R R	R R	G A	R
9	R R	R R	R R	R R	R R	←G- A	R R	R R	R
10	R R	R R	R R	R R	R R	G A	R R	R R	R
11	DW DW	DW DW	FW* FW	FW* FDW	DW DW	DW DW	DW DW	DW DW	OFF
12	DW DW	FW* FDW	DW DW	FW* FDW	DW DW	DW DW	DW DW	DW DW	OFF
13	DW DW	DW DW	DW DW	DW DW	W FDW	DW DW	DW DW	DW DW	OFF

*FLASHING WALK WILL ALWAYS APPEAR DURING THIS INTERVAL WITHOUT USE OF PUSHBUTTON (11 & 12)

CONTROLLER CAPABLE OF SKIPPING ANY PHASE. SIGNALS DISPLAYING GREEN OR ARROW INDICATIONS DURING THEIR INITIAL INTERVAL SHALL BE FOLLOWED BY AN AMBER INDICATION PROVIDING THE NEXT PHASE TO FOLLOW DISPLAYS A RED INDICATION. HOWEVER, IF THE NEXT PHASE FOLLOWING DISPLAYS A GREEN OR ARROW INDICATION, THE AMBER WILL NOT BE DISPLAYED THE SIGNALS WILL REMAIN GREEN OR ARROW DURING THAT INTERVAL.

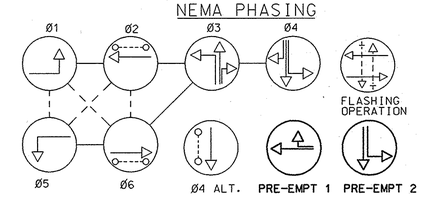


EXISTING SIGNALS

PROPOSED SIGNALS

- OPTICOM DETECTOR EYE

NEMA PHASING



NEMA NOTES:

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

EXISTING SIGNS

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

CONSTRUCTION DETAILS

A. Install opticom detector eye onto existing span wire as shown.
B. Use existing span wire.
C. Use existing strain pole.
D. Install opticom Discriminator module into existing pole mounted cabinet.

EQUIPMENT LIST

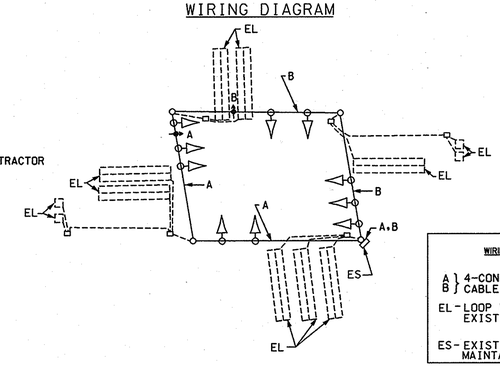
A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

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.	355 L.F.
8066	Opticom #721 detector eye.	2 EA

WIRING DIAGRAM



WIRING KEY

A } 4-CONDUCTOR OPTICOM
B } 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

REVISION "C"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6537

5064f.dgn

APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

C	INSTALL OPTICOM SHA NO.: AT025185	4/28/06
JA		
B	CHNG. DISPLAY FOR MD 45 EXCLUSIVE SIGNAL HEADS SHA NO.: SHOP FORCES	03/2005
EMM		
A	CHNG. ALL SIG HEADS TO BLK FACED SHA NO.: AT375185	FEB. 06, 2004
M.A.M.		

PLOTTED: \$DATETIME\$
FILE: \$FILE\$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 45 (YORK RD) AND BURKE AVE

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

DESIGNED BY BALT. CO.
DRAWN BY BALT. CO.
CHECKED BY BALT. CO.
F.A.P. NO. _____

COUNTY BALTIMORE
LOGMILE 03004501.66
TIMS NO. H423
TOD NO. _____

TS NO. 4270C | DRAWING NO. 6 OF 11 | SHEET NO. OF

\\SHA\STS\5064f\5064f.dgn Jun. 12, 2006 14:13:10