DRILL HOLES

BORDER REV. DATE: June 1, 2004

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

EXISTING SIGNS

21a,25a — Fairmount Ave
21b,25b — Fairmount Ave
D3-2 DUALFACED VARI. X 16"

27 — SOUTH / MARYLAND 45 / NORTH
M95-1 24" X 72"

28 — York Rd
D3-2 VARI. X 16"

22 — R3-4 30" X 30"
23,24 — ONLY — R3-5(L) 30" X 36"
26 — NO TURN ON RED — R10-11b 24" X 24"
29 — ONLY ONLY — R3-5(MOD) 30" X 30"

TO REMAIN

PROPOSED SIGNAL

- OPTICOM DETECTOR EYE

EXISTING BLACKFACED SIGNALS TO REMAIN

1,2,6,7,9-12 — R Y G — 12"
3,4,5 — IR IY IG — 12"
8 — R Y G — 8"
13-20 — 12"

NEMA PHASING

PRE EMPT 1

Ø 2 Alt — Ø 4 Alt — Ø 2 — Ø 4 — Ø 5 — Ø 6 — Ø 8 — Ø 6 Alt — Ø 8 Alt

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

VIDEO DETECTION ZONE

V — DETECTOR CAMERA

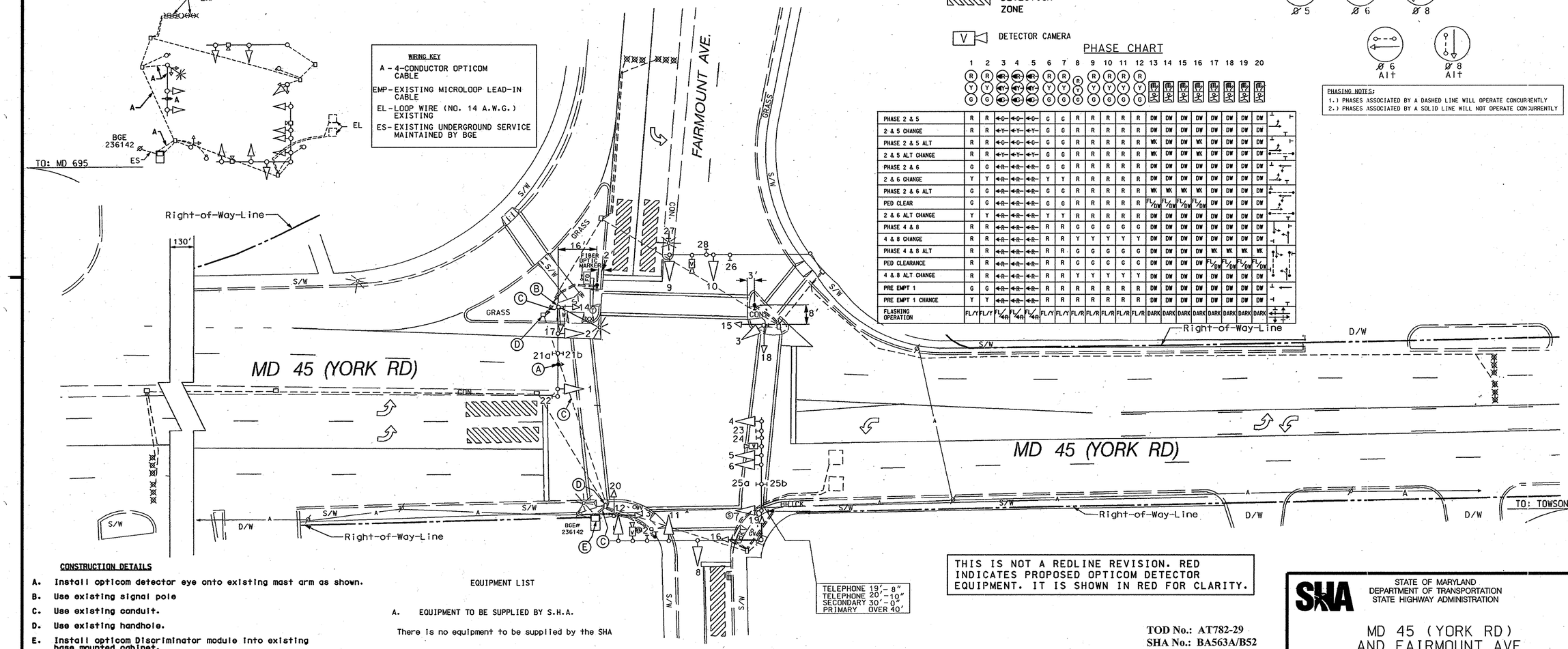
PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	R Y G	R Y G	IR IY IG	IR IY IG	IR IY IG	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 & 5	R	R	G	G	G	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 & 5 CHANGE	R	R	Y	Y	Y	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 & 5 ALT	R	R	G	G	G	G	G	R	R	R	R	R	WK	DW	WK	DW	DW	DW	DW	DW
2 & 5 ALT CHANGE	R	R	Y	Y	Y	G	G	R	R	R	R	R	WK	DW	WK	DW	DW	DW	DW	DW
PHASE 2 & 6	G	G	R	R	R	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	R	R	R	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 & 6 ALT	G	G	R	R	R	G	G	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEAR	G	G	R	R	R	G	G	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 ALT CHANGE	Y	Y	R	R	R	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	WK	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE EMPT 1	G	G	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE EMPT 1 CHANGE	Y	Y	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/4R	FL/4R	FL/4R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM

EMP, A, BGE 236142, ES, EL, TO: MD 695

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



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 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	* - NOT FOR THIS INTERSECTION ALREADY BEEN COVERED ON SHEET 1/2.	1 EA
8008	3M opticom Discriminator module, 4 channel #764.	1 EA
8033	4 conductor opticom detector cable.	175 L.F.
8066	Opticom #721 detector eye.	1 EA

Carver School Entrance

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) 590-6637

5064e.dgn

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

REVISIONS
© INSTALLING OPTICOM SHA NO.: AT782S185 — 4/28/06
JA
B 4-28-04: ADD NAVIGATOR PEDESTRIAN SIGNAL STATIONS SHA NO.: AT357S185
EMM | TH | DJD | DAZ
A 4-18-02 REDLINE REVISION NO. 2 CONTRACT NO.: BA3305183
DJD | DAZ | DWH | BK

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 45 (YORK RD) AND FAIRMOUNT AVE

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

SCALE 1"= 20' DATE _____ CONTRACT NO. _____
DESIGNED BY BALT. CO. COUNTY BALTIMORE
DRAWN BY FH LOGMILE 03045002.78
CHECKED BY DJD TIMS NO. H423
F.A.P. NO. _____ TOD NO. AT357-30

TS NO. 3981 B | DRAWING NO. 5 OF 11 | SHEET NO. OF

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