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

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SIGNAL SHOP

ITEM NO.	DESCRIPTION	QUANTITY
	Maintenance of traffic per assignment.	1 EA
	8" red or green LED signal head section	2 EA
	8" yellow LED signal head section	1 EA
	12" red or green LED signal head section.	6 EA
	12" yellow LED signal head section.	4 EA
	Video detection camera	1 EA
	Video control cable from camera to controller 250'	250 L.F.
	Remove and dispose of existing equipment per assignment.	1 EA
	Electrical cable - 7 conductor (No. 14 AWG).	450 L.F.

EXISTING SIGNALS

9a, 10b
Loveton Circle
Loveton Farms Rd
D3-2

9b, 10a
Loveton Farms Rd
Loveton Circle
D3-2

EXISTING SIGNALS

4-9
R Y G
12"

PROPOSED SIGNALS

1 2 3
R 8" Y 8" G 8" 12"
R Y G 12"
R Y G 12"

L.E.D. SIGNAL HEADS

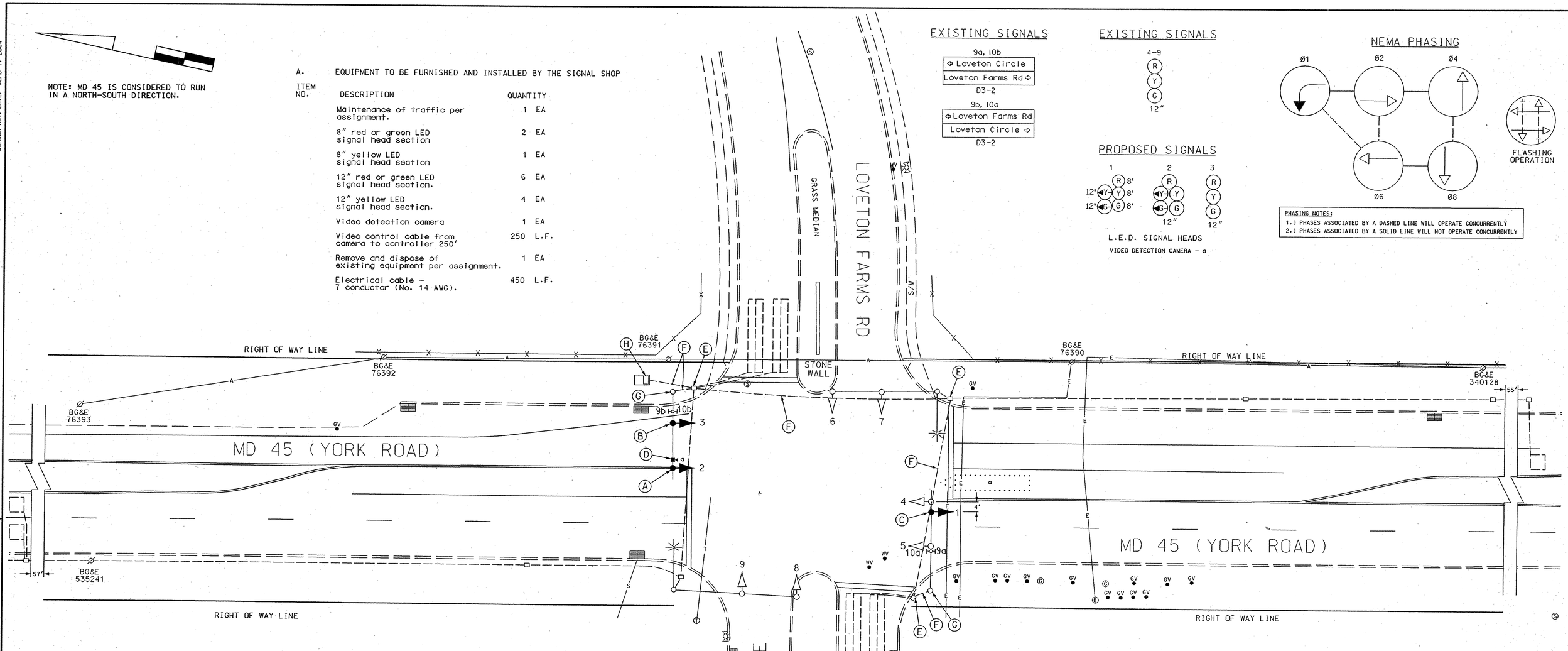
VIDEO DETECTION CAMERA - a

NEMA PHASING

Ø1 Ø2 Ø4 Ø6 Ø8

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



CONSTRUCTION DETAILS

A. Remove existing 3 section signal head and install proposed 5 section LED signal head. (Note: Signal Shop shall use existing wiring and install signal head in same location.)

B. Remove existing 3 section signal head and install proposed 3 section LED signal head. (Note: Signal Shop shall use existing wiring and install signal head in same location.)

C. Install proposed 5 section LED signal head.

D. Install proposed video detection camera

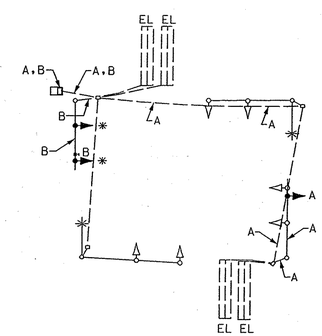
E. Use existing handhole.

F. Use existing conduit.

G. Use existing mast arm pole.

H. Use existing cabinet and controller.

WIRING DIAGRAM



WIRING KEY
A } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
B } VIDEO CABLE 250
* - USE EXISTING CABLE
EL - EXISTING LOOP

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 "A"

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

5227.dgn

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

REVISIONS
(A) 11/8/06 SHA SIGNAL FORCES SHALL INSTALL NB/EP AND MODIFY PHASING

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 45 AND LOVETON FARMS RD/ LOVETON CIRCLE

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 1/92 CONTRACT NO.

DESIGNED BY DERRICK DICKERSON
DRAWN BY DERRICK DICKERSON
CHECKED BY GENE SIMMONS
F.A.P. NO.
COUNTY BALTIMORE
LOGMILE 03004511.14
TIMS NO. H890
TOD NO.

TS NO. 3210 | DRAWING NO. 1 OF 1 | SHEET NO. OF

PLOTTED: THURSDAY, NOVEMBER 09, 2006 AT 2:18:59 PM
FILE: PLAN.DGN