PHASE 1/ TEMPORARY SIGNAL

MD 650 AND MD 198

SEQUENCE OF OPERATION SHEET

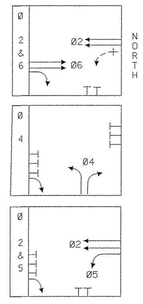
TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MARYLAND

NO. 272-C

INTERSECTION: NEW HAMPSHIRE AVE.(MD 650) AND SPENCERVILLE RD.(MD 198)

SIGNAL NO.	3.6.7.8.9.10			1.2.4.5			11.12.13.14
TOTAL:	6			4			4
LEGEND: OPTICALLY LIMITED; R RED; Y YELLOW; G GREEN; ◄ ARROW; F FLASHING	R, Y, G	◄R, ◄Y, ◄G	R, Y, G, G	R, Y, G	R, Y, G	R, Y, G	✋, 9"or12" X
	12"	12"	12"	8"	12"		

PHASING



SIGNAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	FLASH
1	G	G	Y	R	R	R	R	R	R	R	R	R				Y
2	G	G	Y	R	R	R	R	R	R	R	R	R				Y
3	G	G	Y	R	R	R	R	R	R	R	R	R				Y
4	G	G	Y	R	R	R	R	R	R	◄G/G	◄Y/G	G				Y
5	G	G	Y	R	R	R	R	R	R	◄G/G	◄Y/G	G				Y
6	G	G	Y	R	R	R	R	R	G	G	G					Y
7																
8																
9	R	R	R	R	◄G/R	◄G/G	◄G/G	◄Y/Y	R	R	R	R				R
10	R	R	R	R	G	G	G	Y	R	R	R	R				R
11	R	R	R	R	G	G	G	Y	R	R	R	R				R
12																
13																
14																
PHASE	2 & 6			ALL RED	4				ALL RED	2 & 5		ALL RED				

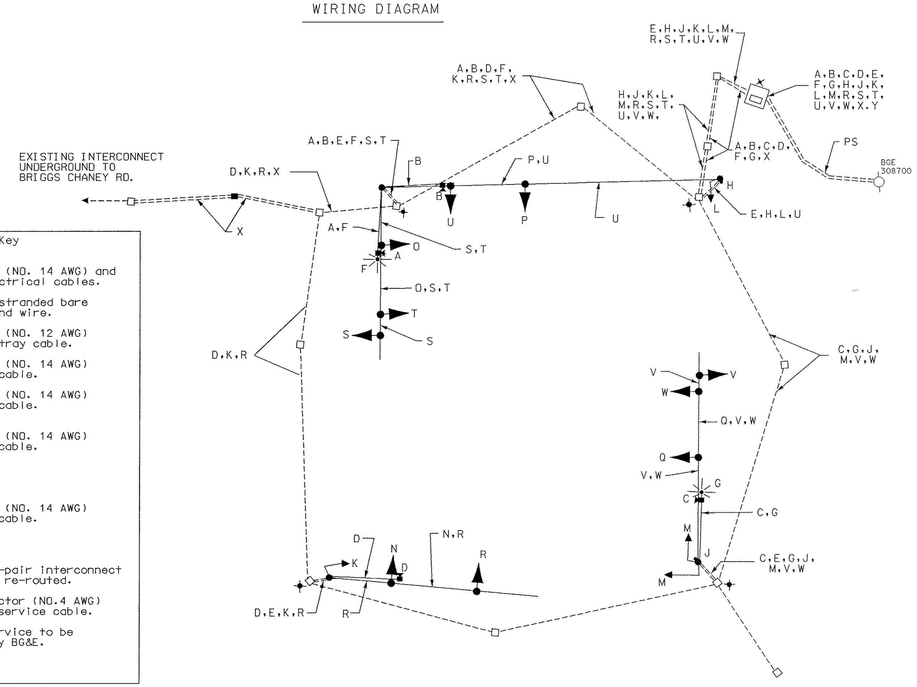
NOTES:

PHASE 1 CONSTRUCTION.
INTERSECTION WILL OPERATE AS 'T' (SIDE ROAD Ø4).

SIGNAL HEADS 7.8.11.12.13.14 SHALL BE BAGGED FOR FUTURE USE.

SUBMITTED: _____ CHECKED: _____ APPROVED: _____
IN SERVICE BY: _____ DATE: _____ TIME: _____

WIRING DIAGRAM



Wiring Key

- A, B, C, D — 3-Conductor (NO. 14 AWG) and coaxial electrical cables.
- E — NO. 6 AWG stranded bare copper ground wire.
- F, G — 2-Conductor (NO. 12 AWG) electrical tray cable.
- H, J — 2-Conductor (NO. 14 AWG) electrical cable.
- K, L — 3-Conductor (NO. 14 AWG) electrical cable.
- M, N, O, P, Q — 5-Conductor (NO. 14 AWG) electrical cable.
- R, S, T, U, V, W — 7-Conductor (NO. 14 AWG) electrical cable.
- X — Existing 12-pair interconnect cable to be re-routed.
- Y — (3) 1-Conductor (NO.4 AWG) electrical service cable.
- PS — Proposed service to be installed by BG&E.
- Ground Rod

ULTIMATE SIGNAL

MD 650 AND MD 198/
MD28 EXTENDED

SEQUENCE OF OPERATION SHEET

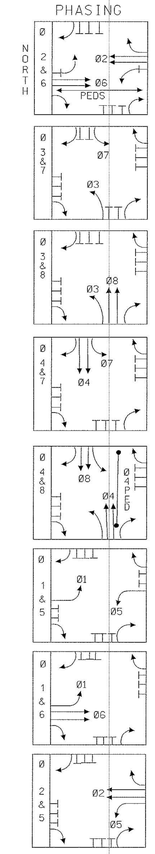
TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MARYLAND

NO. _____

INTERSECTION: NEW HAMPSHIRE AVE.(MD 650) AND SPENCERVILLE RD.(MD 198)

SIGNAL NO.	3.6.9.12		1.2.4.5.7.8.10.11			13.14 15.16
TOTAL:	4		8			4
LEGEND: OPTICALLY LIMITED; R RED; Y YELLOW; G GREEN; ◄ ARROW; F FLASHING	R, Y, G	◄R, ◄Y, ◄G	R, ◄Y, ◄G, Y	R, Y, G	R, Y, G	✋, 9"or12" X
	12"	12"	12"	8"	12"	

PHASING

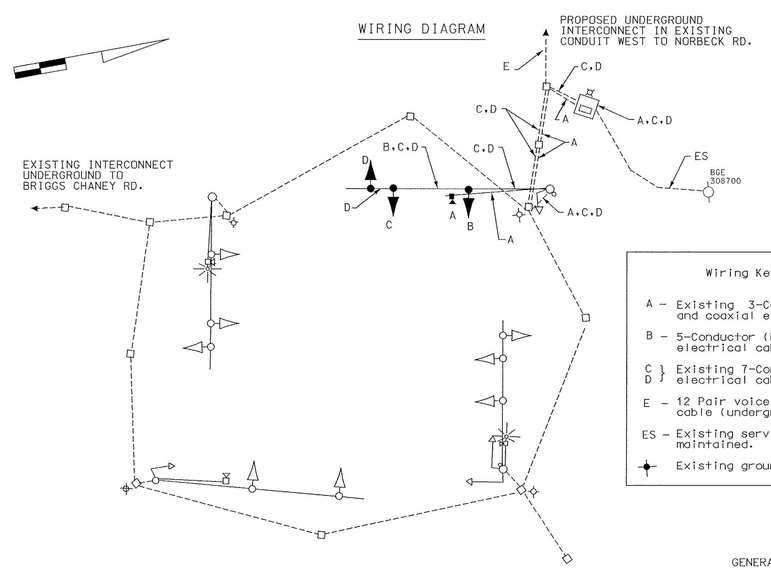


SIGNAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	FLASH
1	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◄G/R	◄Y/R	R	◄G/G	◄Y/G	G	R	R	Y
2	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◄G/R	◄Y/R	R	◄G/G	◄Y/G	G	R	R	Y
3	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	R	R	Y
4	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◄G/R	◄Y/R	R	R	R	R	◄G/G	◄Y/G	Y
5	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◄G/R	◄Y/R	R	R	R	R	◄G/G	◄Y/G	Y
6	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y
7	R	R	R	R	◄G/R	◄Y/R	R	R	R	R	◄G/G	◄Y/G	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
8	R	R	R	R	◄G/R	◄Y/G	R		R	R	◄G/G	◄Y/G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
9	R	R	R	R	R		R		R	R	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
10	R	R	R	R	◄G/R	◄Y/G	R	◄G/G	◄Y/G	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
11	R	R	R	R	◄G/R	◄Y/G	R	◄G/G	◄Y/G	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
12	R	R	R	R	R	R	R	G	G	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
13	WK	F/W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	DW	DW	-
14	WK	F/W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	DW	DW	-
15	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	F/W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	-
16	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	F/W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	-
PHASE	2 & 6			ALL RED	3 & 7		ALL RED	3 & 8		ALL RED	4 & 7		ALL RED	4 & 8				ALL RED	1 & 5		ALL RED	1 & 6		ALL RED	2 & 5		

NOTES:

SUBMITTED: _____ CHECKED: _____ APPROVED: _____
IN SERVICE BY: _____ DATE: _____ TIME: _____

WIRING DIAGRAM



Wiring Key

- A — Existing 3-Conductor (NO. 14 AWG) and coaxial electrical cables.
- B — 5-Conductor (NO. 14 AWG) electrical cable.
- C, D — Existing 7-Conductor (NO. 14 AWG) electrical cable.
- E — 12 Pair voice grade communication cable (underground-jelly filled).
- ES — Existing service to be maintained.
- Existing ground rod.

GENERAL INFORMATION SHEET 1

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

3539BGI650.DGN

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 650 (NEW HAMPSHIRE AVE) AND
MD 198/ NORBECK ROAD EXTENDED

DRAWN BY: MILESKY	COUNTY: MONTGOMERY	TS NO. ~~GI 1~~	SHEET NO. 3 OF 4
CHECK BY: RRZ	LOG MILE: 15019800.00		
DATE: 07/22/00	F.A.P. NO.	T.J.M.S. NO. XX	
SCALE: N\A	S.H.A. NO. XX1XXX		

TS NO. 3401 B-GI 1