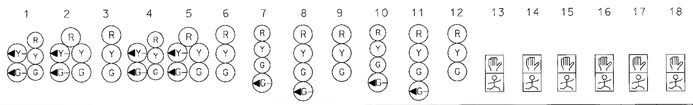
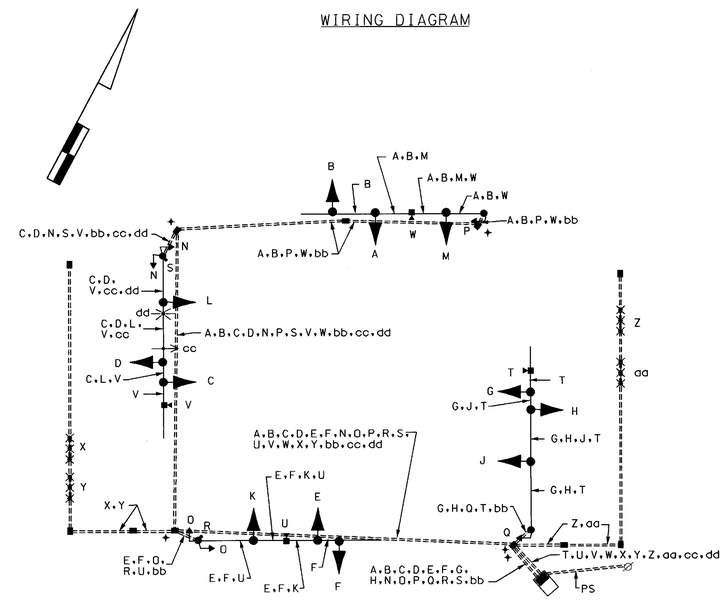
## PHASE CHART



| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PHASE 1 & 5 | ◄G-/R | ◄G-/R | R | ◄G-/R | ◄G-/R | R | R | R | R | R | R | R | DW | DW | DW | DW | DW | DW |
| CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6 | | | | | | | | | | | | | | | | | | |
| PHASE 1 & 6 | ◄G-/G | ◄G-/G | G | R | R | R | R | R | R | R | R | R | DW | WK | WK | DW | DW | DW |
| 1 & 6 CHANGE | ◄Y-/G | ◄Y-/G | G | R | R | R | R | R | R | R | R | R | DW | WK | WK | DW | DW | DW |
| PHASE 2 & 5 | R | R | R | ◄G-/G | ◄G-/G | G | R | R | R | R | R | R | WK | DW | DW | WK | DW | DW |
| 2 & 5 CHANGE | R | R | R | ◄Y-/G | ◄Y-/G | G | R | R | R | R | R | R | WK | DW | DW | WK | DW | DW |
| PHASE 2 & 6 | G | G | G | G | G | G | R | R | R | R | R | R | WK | WK | WK | WK | DW | DW |
| PED CLEAR | G | G | G | G | G | G | R | R | R | R | R | R | FL/DW | FL/DW | FL/DW | FL/DW | DW | DW |
| 2 & 6 CHANGE | Y | Y | Y | Y | Y | Y | R | R | R | R | R | R | DW | DW | DW | DW | DW | DW |
| PHASE 3 | R | R | R | R | R | R | R | R | R | G ◄G- | G ◄G- | G | DW | DW | DW | DW | DW | DW |
| 3 CHANGE | R | R | R | R | R | R | R | R | R | Y | Y | Y | DW | DW | DW | DW | DW | DW |
| PHASE4 | R | R | R | R | R | R | C ◄G- | C ◄G- | G | R | R | R | DW | DW | DW | DW | DW | DW |
| 4 CHANGE | R | R | R | R | R | R | Y | Y | Y | R | R | R | DW | DW | DW | DW | DW | DW |
| PHASE 3 ALT | R | R | R | R | R | R | R | R | R | G ◄G- | G ◄G- | G | DW | DW | DW | DW | WK | WK |
| PED CLEAR | R | R | R | R | R | R | R | R | R | G ◄G- | G ◄G- | G | DW | DW | DW | DW | FL/DW | FL/DW |
| 3 CHANGE | R | R | R | R | R | R | R | R | R | Y | Y | Y | DW | DW | DW | DW | DW | DW |
| FLASHING OPERATION | FL/Y | FL/Y | FL/Y | FL/Y | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R | DARK | DARK | DARK | DARK | DARK | DARK |

## WIRING DIAGRAM




**WIRING KEY**

A B C D E F G H } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G )

K L M N O } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G )

P Q } 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G )

R S } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G )

T U } PRE MANUFACTURED CAMERA TO CONTROLLER CABLE (200')

V - PRE MANUFACTURED CAMERA TO CONTROLLER CABLE (300')

W - PRE MANUFACTURED CAMERA TO CONTROLLER CABLE (400')

X Y Z aa } MICROLOOP LEAD-IN CABLE

bb - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

cc - 4-CONDUCTOR OPTICOM DETECTOR CABLE (NO. 14 A.W.G )

dd - 2-CONDUCTOR ELECTRICAL CABLE TYPE T/C (NO. 12 A.W.G )

PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY SMECO

+ - GROUND ROD


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


4538gi.dgn WT-11

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION

MD 246 @ WESTBURY BLVD./CARVER SCHOOL BLVD.

SHA #: ~~SM1053488/R68/LR~~ TSD#: XX1065485-47M

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | ROB CICCHINI | F.A.P. NO. | | TS NO. | SHEET NO. |
| CHECKED BY: | J ALLEN | S.H.A. NO. | XX1065485 | 4294-GII | 4 OF 5 |
| SCALE: | NONE | COUNTY: | ST MARY'S | T.I.M.S. NO. | |
| DATE: | 3-18-04 | LOG MILE: | 18024601.48 | F838 | |

..\4000's\4538\4538gi.dgn Mar. 18, 2004 08:33:14