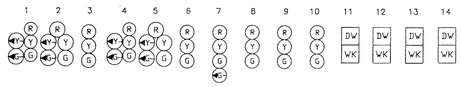
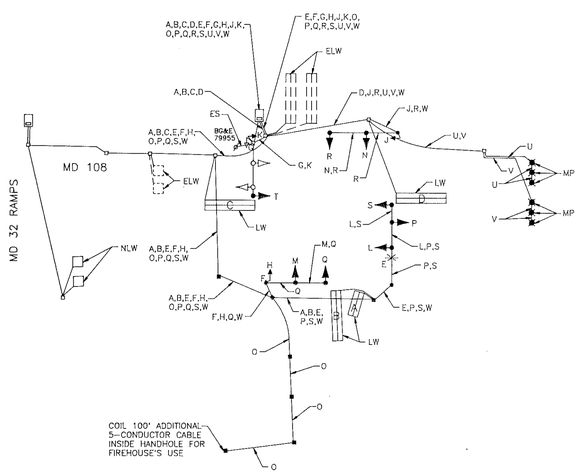
F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 5	R G	R G	R	R G	R G	R	R	R	R	R	DW	DW	DW	DW
1 & 5 CHANGE	TO PHASE 1 & 6 OR PHASE 2 & 5										DW	DW	DW	DW
PHASE 1 & 6	G G	G G	G	R	R	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	G Y	G Y	G	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	G G	G G	G	R	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	R	G Y	G Y	G	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	FL/DW	FL/DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	G	G	G	G	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	DW	DW	FL/DW	FL/DW
4 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 3 FIRE PRE-EMPTION	R	R	R	R	R	R	G G	G	R	R	DW	DW	DW	DW
PHASE 3 FIRE PRE-EMPTION CHANGE	R	R	R	R	R	R	Y	Y	R	R	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	DARK	DARK	DARK	DARK

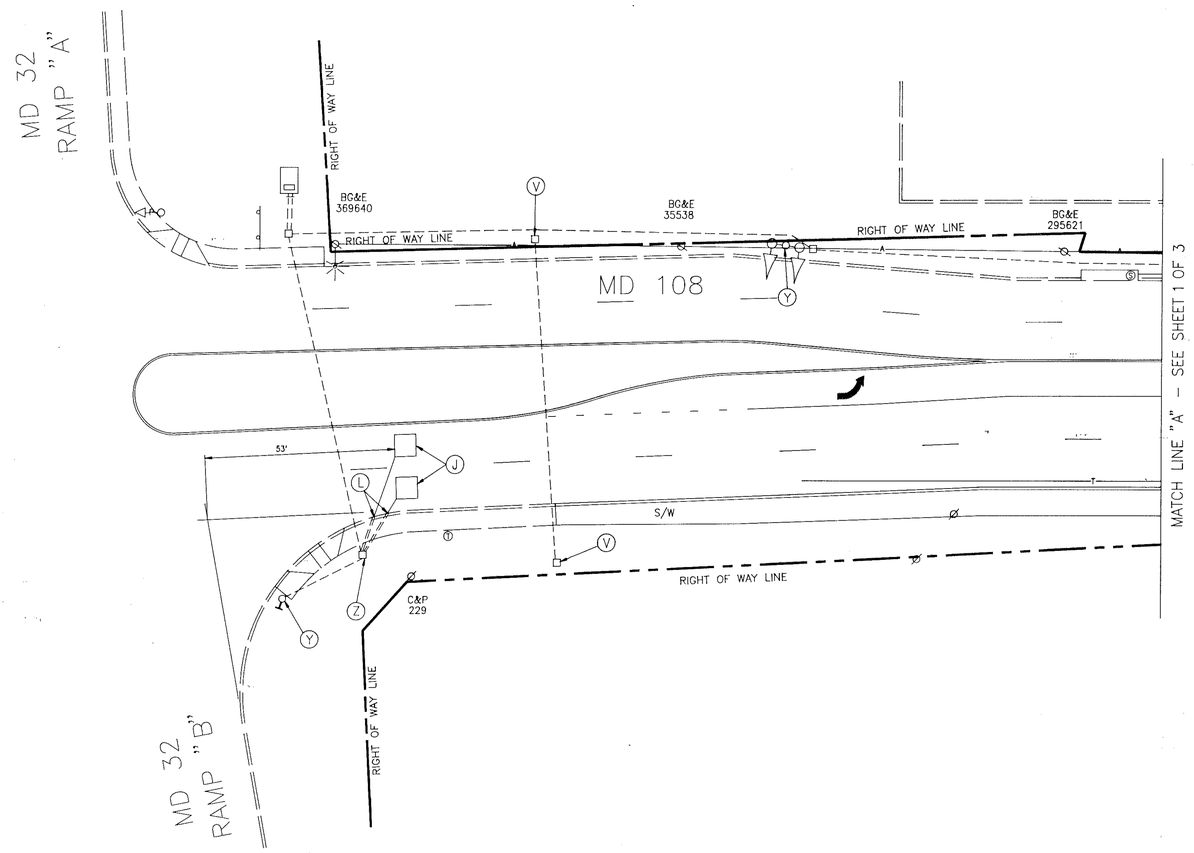
WIRING DIAGRAM



WIRING KEY

A B C D	}	2-CONDUCTOR ELECTRICAL CABLE (NO 14 AWG) (ALUMINUM SHIELDED)
E	–	2-CONDUCTOR ELECTRICAL CABLE (NO 12 AWG) TYPE THWN TRAY CABLE
F G	}	2-CONDUCTOR ELECTRICAL CABLE (NO 14 AWG)
H J K	}	3-CONDUCTOR ELECTRICAL CABLE (NO 14 AWG)
L M N O	}	5-CONDUCTOR ELECTRICAL CABLE (NO 14 AWG)
P Q R S	}	7-CONDUCTOR ELECTRICAL CABLE (NO 14 AWG)
T	–	EXISTING 7-CONDUCTOR ELECTRICAL CABLE TO BE UTILIZED
U V	}	MICRO-LOOP PROBES CABLE (HOME RUN CABLE)
W	–	STRANDED BARE COPPER GROUND WIRE (NO 6 AWG)
LW	–	LOOP WIRE (NO 14 AWG)
ELW	–	EXISTING LOOP WIRE TO MAINTAINED
NLW	–	NEW LOOP WIRE (NO 14 AWG) TO BE SPLICED INTO EXISTING 2-CONDUCTOR ELECTRICAL CABLE (NO 14 AWG) (ALUMINUM SHIELDED)
MP	–	MICRO-LOOP PROBES (MODEL 20002)
ES	–	EXISTING OVERHEAD SERVICE TO BE MAINTAINED BY BG&E

NOTE: ALL EXISTING WIRING NOT SHOWN IS TO BE MAINTAINED



GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISION "A"

STREET TRAFFIC STUDIES, LTD.

Gateway International
1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
(410) 859-3553

3052

REVISIONS

APPROVALS

ASST. DIVISION CHIEF

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

MDOT – STATE HIGHWAY ADMINISTRATION

Office of Traffic and Safety

TRAFFIC ENGINEERING DESIGN DIVISION

SIGNAL NUMBER: LOG MILE: 13010803.70

DRAWN BY: S.R.BARANOWSKI (FOR STS)
DES. BY: R.R.ZACHERL (FOR STS)
CHK. BY:

MD 108 AND WIN KELLY AUTO PARK DRWY/PARK & RIDE/ FIRE STATION ACCESS ROAD COUNTY HOWARD

DATE: 11-22-96 F.A.P. NO.
SCALE: 1"=20' S.H.A. NO.

TS/STD. NO. 3409A

SHEET NO. ___ OF ___