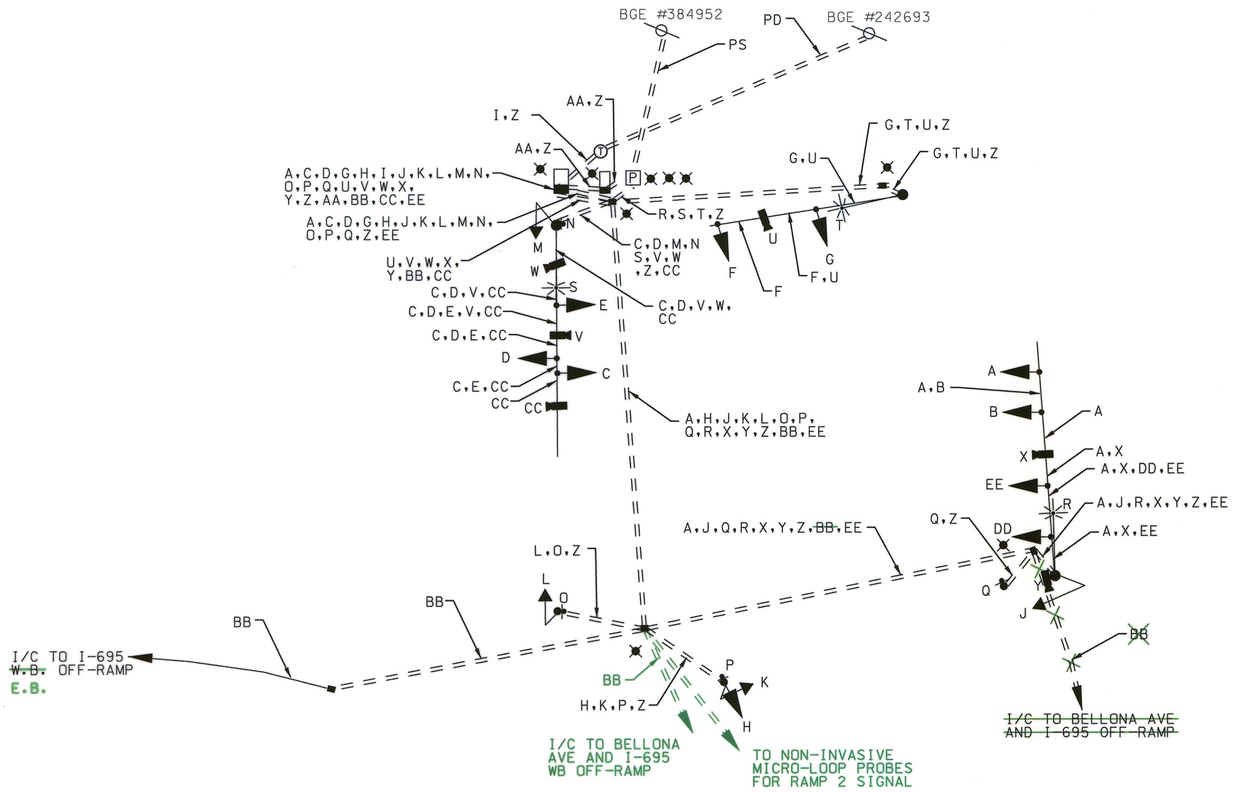
PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	R Y G ◀G–	R Y G ◀G–	R Y G	R Y G▶	R Y G▶	R Y G ◀G–	R Y G	R Y G	R Y G	R Y G					
PHASE 2 & 5	G ◀G–	G ◀G–	G	–R▶	–R▶	R	R	R	R	R	WK	WK	DW	DW	
PED CLEARANCE	G ◀G–	G ◀G–	G	–R▶	–R▶	R	R	R	R	R	FL/DW	FL/DW	DW	DW	
2 & 5 CHANGE	G ◀G–	G ◀G–	G	–R▶	–R▶	R	R	R	R	R	DW	DW	DW	DW	
PHASE 2 & 6	G ◀G–	G ◀G–	G	–G▶	–G▶	R	R	R	R	R	DW	DW	DW	DW	
2 & 6 CHANGE	Y	Y	Y	–G▶	–G▶	R	R	R	R	R	DW	DW	DW	DW	
PHASE 3 & 7	R	R	R	–G▶	–G▶	R	R	G	G	G	DW	DW	DW	DW	
3 & 7 CHANGE	R	R	R	–Y▶	–Y▶	R	R	G	G	G	DW	DW	DW	DW	
PHASE 4 & 7	R	R	R	–R▶	–R▶	R	R	G	G	G	DW	DW	WK	WK	
PED CLEARANCE	R	R	R	–R▶	–R▶	R	R	G	G	G	DW	DW	FL/DW	FL/DW	
4 & 7 CHANGE	R	R	R	–R▶	–R▶	R	R	Y	Y	Y	DW	DW	DW	DW	
PHASE 8	R	R	R	–R▶	–R▶	G ◀G–	G	R	R	R	DW	DW	DW	DW	
8 CHANGE	R	R	R	–R▶	–R▶	Y	Y	R	R	R	DW	DW	DW	DW	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL –Y▶	FL –Y▶	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	

WIRING DIAGRAM



WIRING KEY

A,C,D	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
B,E,F,G,H,J,K,L,M,DD,EE	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
N,O,P,Q	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
R,S,T	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TC
U,V,W,CC	250 FT. VIDEO DETECTION CAMERA CONTROL CABLE
X,Y	500 FT. VIDEO DETECTION CAMERA CONTROL CABLE
Z	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
AA	1-CONDUCTOR ELECTRICAL CABLE NO.4 AWG – THHN/THWN (3 RUNS)
BB	12-PAIR COMMUNICATION CABLE (SEE INTERCONNECT PLAN FOR DETAIL)
I	5-PAIR NO. 22 A.W.G. SHIELDED COPPER CABLE
PS	UNDERGROUND POWER SERVICE TO BE INSTALLED BY BGE
PD	UNDERGROUND PHONE SERVICE TO BE INSTALLED BY VERIZON
✕	GROUND ROD

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 139 (CHARLES ST.) AND BELLONA AVE (EAST) / WB I-695 ON RAMP
TOWSON, MARYLAND

GENERAL INFORMATION SHEET 2

SCALE NONE DATE MAY 2008 CONTRACT NO. BA9775A72

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