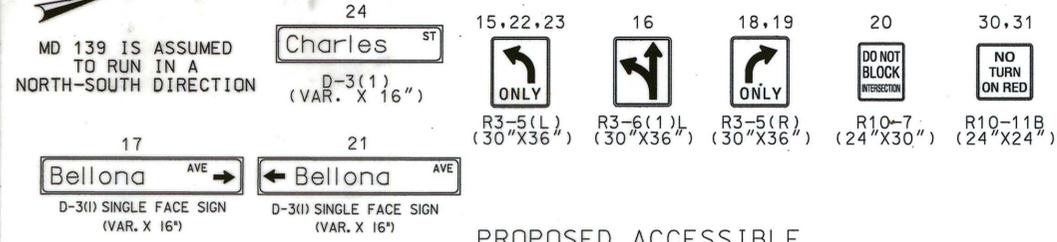
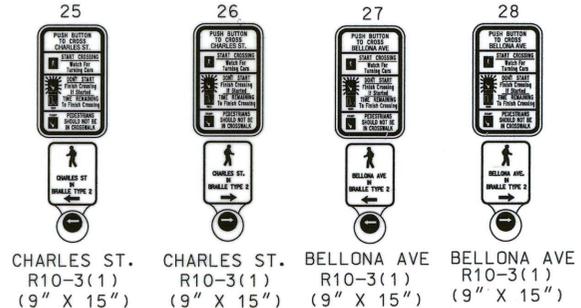


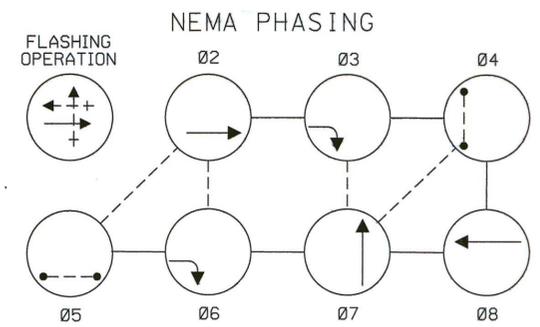
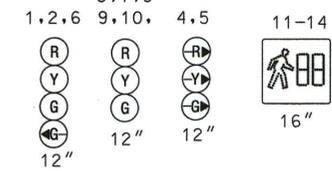
PROPOSED SIGNS



PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN



PROPOSED L.E.D. SIGNALS



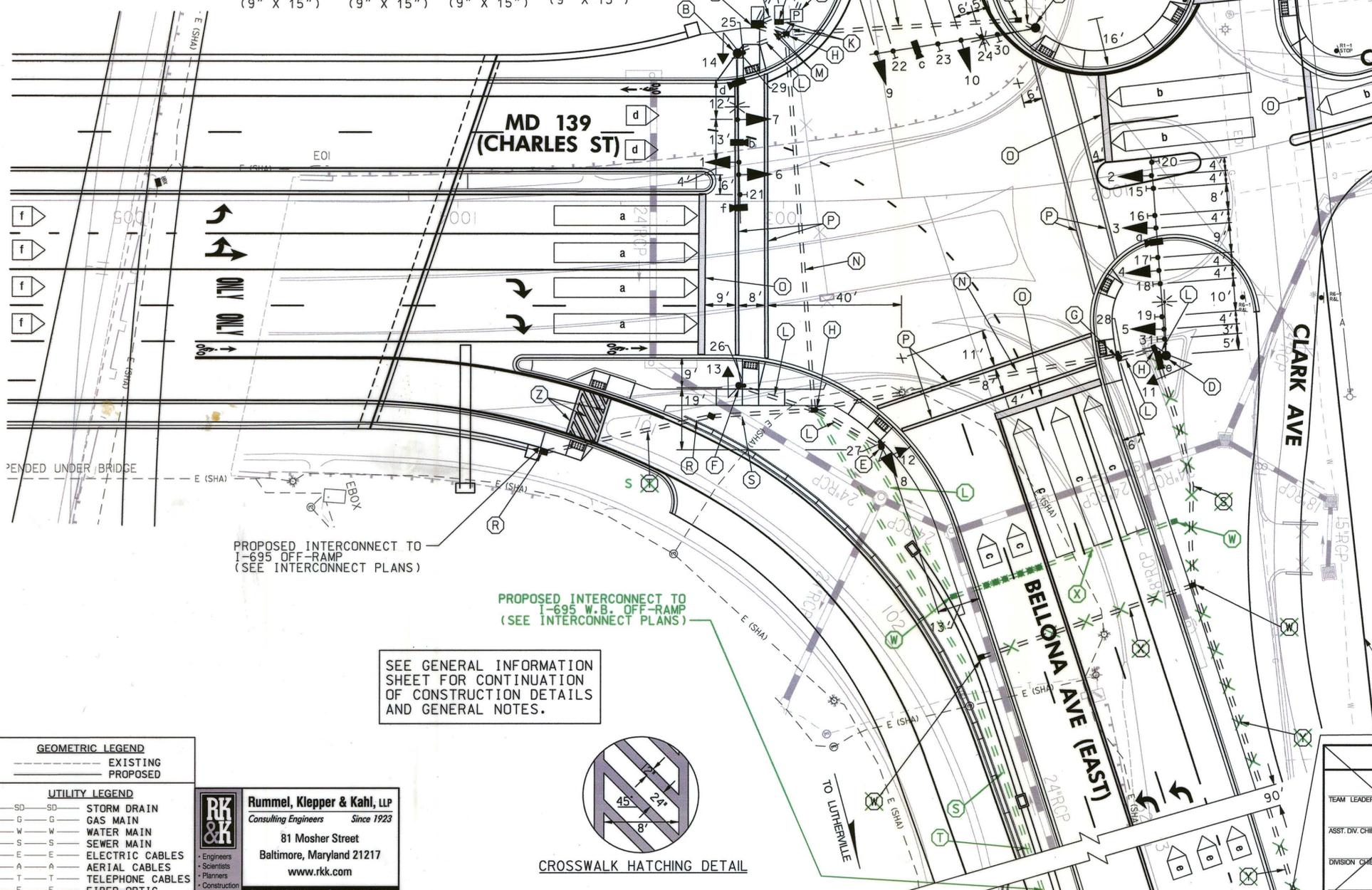
NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED VIDEO DETECTION CAMERAS

a, b, c, d, e, f

CONSTRUCTION DETAILS

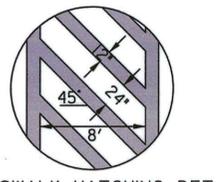
- A. INSTALL NEMA SIZE 6 BASE MOUNTED TRAFFIC RESPONSIVE MASTER CONTROLLER (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC CONDUIT BENDS).
- B. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, VIDEO DETECTION CAMERAS, LED SIGNAL HEADS, SIGNS, 15 FT. STREET LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON, AND R10-3(1) SIGN (ORIENT SIGN PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND IN POLE BASE. INSTALL POLE AT STA. 1003+15, 45 FT. RIGHT.
- C. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, VIDEO DETECTION CAMERA, LED SIGNAL HEADS, 15 FT. STREET LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, AND SIGNS. NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND IN POLE BASE.
- D. INSTALL 27 FT. MAST ARM POLE WITH 60 FT. MAST ARM, VIDEO DETECTION CAMERAS, LED SIGNAL HEADS, SIGNS, 15 FT. STREET LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, AND LED COUNTDOWN PEDESTRIAN SIGNAL HEAD. NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND IN POLE BASE. INSTALL POLE AT STA. 50+70, 55' LT.
- E. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, VEHICULAR LED SIGNAL HEAD, AND APS PUSHBUTTON WITH R10-3(1) SIGN (ORIENT SIGN PARALLEL TO CROSSWALK) NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND INTO POLE BASE.
- F. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON, WITH R10-3(1) SIGN (ORIENT SIGN PARALLEL TO CROSSWALK) NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND INTO POLE BASE.
- G. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND R10-3(1) SIGN (ORIENT SIGN PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. PVC CONDUIT INTO POLE BASE.
- H. INSTALL ELECTRICAL HANDHOLE
- J. INSTALL METERED SERVICE PEDESTAL - BASE MOUNTED.
- K. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- L. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- M. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- N. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- O. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- P. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.



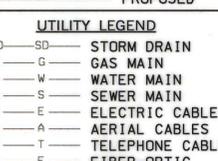
PROPOSED INTERCONNECT TO I-695 OFF-RAMP (SEE INTERCONNECT PLANS)

PROPOSED INTERCONNECT TO I-695 W.B. OFF-RAMP (SEE INTERCONNECT PLANS)

SEE GENERAL INFORMATION SHEET FOR CONTINUATION OF CONSTRUCTION DETAILS AND GENERAL NOTES.



GEOMETRIC LEGEND



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APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

DESIGNED BY	COUNTY
BJG/MLH	BALTIMORE
DRAWN BY	LOGMILE
BJG/MLH	03013903.56
CHECKED BY	T.I.M.S. NO.
DAE	1572
F.A.P. NO.	TOD NO.
SEE TITLE SHEET	

SHA 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
 LUTHERVILLE, MARYLAND

TRAFFIC SIGNAL PLAN		
SCALE 1" = 20'	DATE MAY 2008	CONTRACT NO. BA9775A72
DESIGNED BY	BJG/MLH	COUNTY
DRAWN BY	BJG/MLH	LOGMILE
CHECKED BY	DAE	T.I.M.S. NO.
F.A.P. NO.	SEE TITLE SHEET	TOD NO.
TS NO. 4668	DRAWING SP-11	OF 15
		SHEET NO. 372 OF 443