PROPOSED SIGNS

MD 650 (NEW HAMPSHIRE AVENUE) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

21,22,24,25 — R3-5(L) (30"x36") — ONLY

28 — R10-11b (24"x24") — NO TURN ON RED

23 — W9-2(4)(L) (30"x42") — LANE ENDS MERGE LEFT

50,51 — NEW — D95-25 (24"x24") — W3-3 (36"x36")

26,29 — R3-1 (30"x30")

27 — R3-2 (30"x30")

41,43,45,47,49 — R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS MD 200 RAMP

40,42,44,46,48 — R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS MD 200 RAMP

NOTE: FOR CROSSWALK, SHIELD ASSEMBLY, AND OTHER INTERSECTION-RELATED SIGNING, REFER TO SIGNING AND PAVEMENT MARKING PLANS.

PROPOSED LED SIGNALS

1,2,5,6 — 12"

3,4,7-20 — 12"

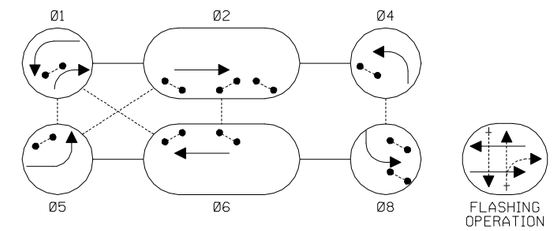
30-39 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED VIDEO CAMERA

a,b,c,d,e

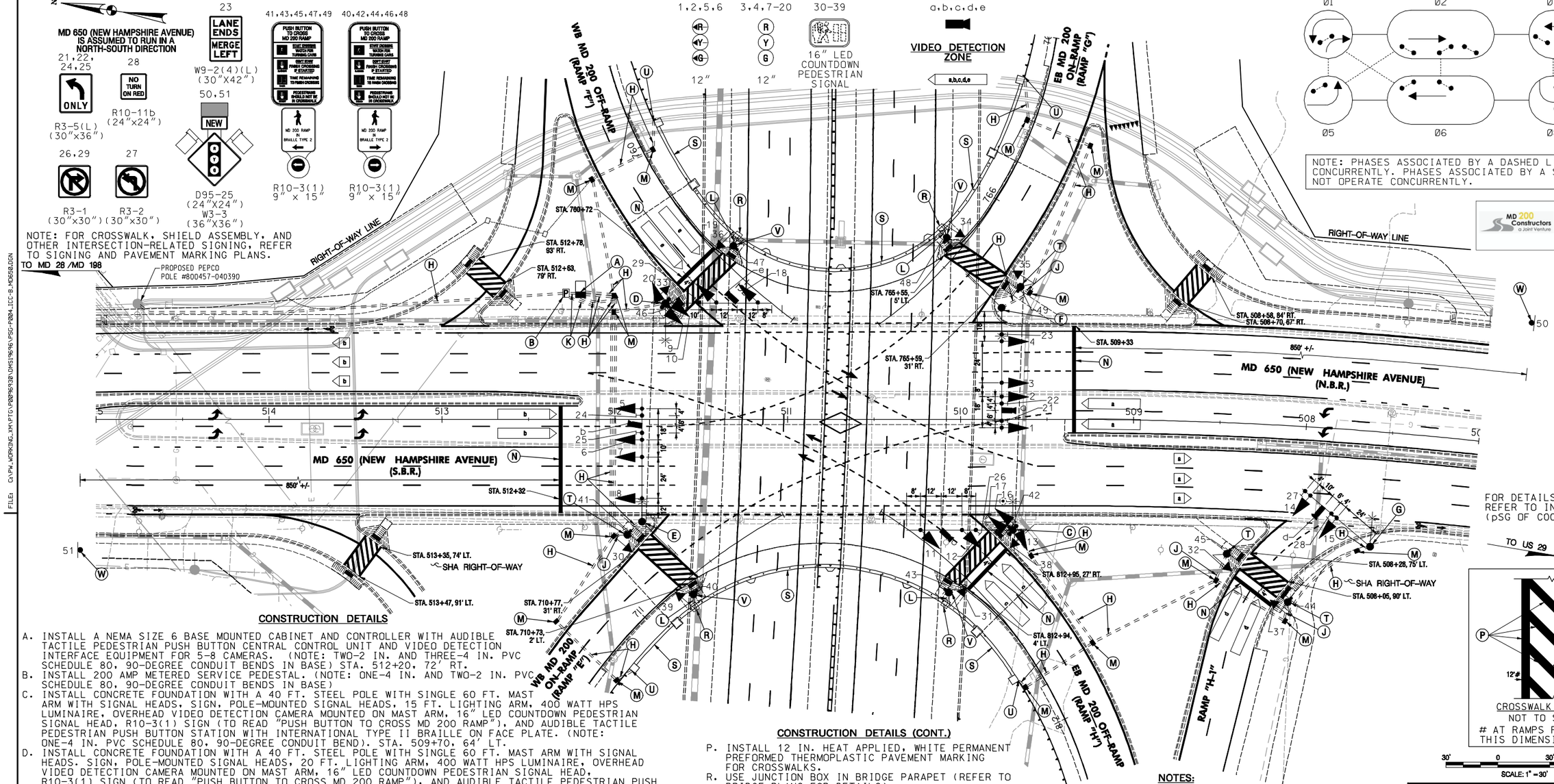
VIDEO DETECTION ZONE

NEMA PHASING

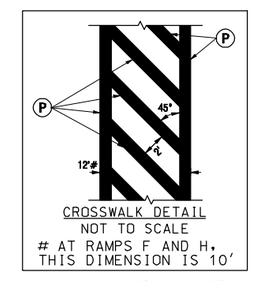


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

ISSUED FOR CONSTRUCTION
Date: 6/24/10 Initials: JM



FOR DETAILS ON INTERCONNECT, REFER TO INTERCONNECT PLAN (pSG OF C005).



30' 0 30' 60'
SCALE: 1" = 30'

SUBMITTAL
SDSRW-EAS-FIN1

CONSTRUCTION DETAILS

A. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON CENTRAL CONTROL UNIT AND VIDEO DETECTION INTERFACE EQUIPMENT FOR 5-8 CAMERAS. (NOTE: TWO-2 IN. AND THREE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS IN BASE) STA. 512+20, 72' RT.
B. INSTALL 200 AMP METERED SERVICE PEDESTAL. (NOTE: ONE-4 IN. AND TWO-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS IN BASE)
C. INSTALL CONCRETE FOUNDATION WITH A 40 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM WITH SIGNAL HEADS, SIGN, POLE-MOUNTED SIGNAL HEADS, 15 FT. LIGHTING ARM, 400 WATT HPS LUMINAIRE, OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS MD 200 RAMP"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 509+70, 64' LT.
D. INSTALL CONCRETE FOUNDATION WITH A 40 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM WITH SIGNAL HEADS. SIGN, POLE-MOUNTED SIGNAL HEADS, 20 FT. LIGHTING ARM, 400 WATT HPS LUMINAIRE, OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS MD 200 RAMP"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 511+71, 67' RT.
E. INSTALL CONCRETE FOUNDATION WITH A 40 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 10 FT. LIGHTING ARM, 400 WATT HPS LUMINAIRE, OVERHEAD GUIDE SIGN (REFER TO SIGNING AND PAVEMENT MARKING PLANS), AND OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 511+84, 59' LT.
F. INSTALL CONCRETE FOUNDATION WITH A 40 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 400 WATT HPS LUMINAIRE, OVERHEAD GUIDE SIGN (REFER TO SIGNING AND PAVEMENT MARKING PLANS), AND OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 509+76, 65' RT.
G. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 507+58, 67' LT.
H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT IN SIDEWALK (REFER TO BRIDGE PLANS FOR INSTALLATION DETAILS).
M. INSTALL HANDHOLE.
N. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

CONSTRUCTION DETAILS (CONT.)

P. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
R. USE JUNCTION BOX IN BRIDGE PARAPET (REFER TO BRIDGE PLANS FOR DETAILS).
S. USE 3 INCH CONDUIT IN BRIDGE PARAPET (REFER TO BRIDGE PLANS FOR DETAILS).
T. INSTALL CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS MD 200 RAMP"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE III BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 508+05, 102' LT., STA. 508+43, 76' LT., STA. 710+77, 42' RT., STA. 765+69, 41' RT.
U. CONNECT CONDUIT END TO CONDUIT BEND AT WING WALL (REFER TO BRIDGE PLANS FOR DETAILS).
V. INSTALL A 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS MD 200 RAMP"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE III BRAILLE ON FACE PLATE. (NOTE: ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 710+70, 9' LT., STA. 760+80, 10' LT., STA. 765+64, 10' LT., STA. 813+01, 13' LT.
W. INSTALL GROUND MOUNTED SIGN ON A SINGLE WOOD (4 INCH X 6 INCH) SUPPORT.

NOTES:

1. IN ALL LOCATIONS WHERE TRENCHED CONDUIT IS SHOWN UNDERNEATH THE BRIDGE APPROACH SLAB, CONDUIT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE APPROACH SLAB.
2. FOUNDATIONS FOR POLES "C," "D," "E," & "F" MAY BE WITHIN THE MSE WALL REINFORCED ZONE. CONSTRUCTION OF THE FOUNDATIONS FOR THESE POLES SHALL BE COORDINATED WITH MSE WALL CONSTRUCTION. REFER TO BRIDGE PLANS.
3. FOUNDATIONS FOR POLES "V" ARE LOCATED WITHIN THE BRIDGE LIMITS, REFER TO BRIDGE PLANS.

GEOMETRIC LEGEND

========= EXISTING
========== PROPOSED

UTILITY LEGEND

SD SD	STORM DRAIN
G G	GAS MAIN
W W	WATER MAIN
S S	SEWER MAIN
E E	ELECTRIC CABLES
A A	AERIAL CABLES
T T	TELEPHONE CABLES
F F	FIBER-OPTIC

MD 200 Constructors a Joint Venture
11710 BELTSVILLE DRIVE * BELTSVILLE, MARYLAND 20705
301-755-2300

APPROVALS	REVISIONS
TEAM LEADER	0 SDSRW-EAS-FIN1
ASST. DIV. CHIEF	1 NDC-061
DIVISION CHIEF	
OFFICE DIRECTOR	

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

MD 650 (NEW HAMPSHIRE AVENUE) AT MD 200 RAMPS

COLESVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 30' DATE JANUARY 2009 CONTRACT NO. AT3765B60

DESIGNED BY A. GRIFFIN — COUNTY MONTGOMERY
DRAWN BY A. GRIFFIN — LOGMILE 15065006.40
CHECKED BY K. RINIKER — TIMS NO. J928
F.A.P. NO. AC-NH-ICC-1(1)N — TOD NO.

TS NO. 4875 | DRAWING pSG OF P004 | SHEET NO. OF

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EAS-FIN 173/215

BY: p0096930
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