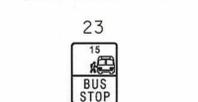


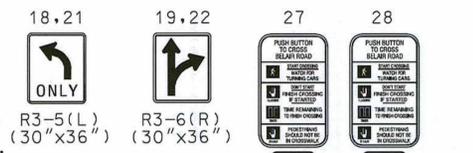
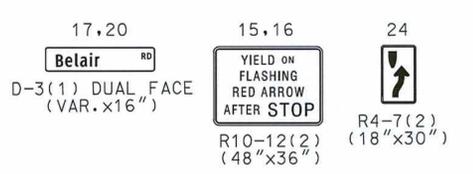
EXISTING SIGNS TO BE REMOVED



EXISTING SIGN TO BE RELOCATED



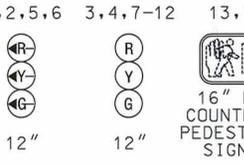
PROPOSED SIGNS



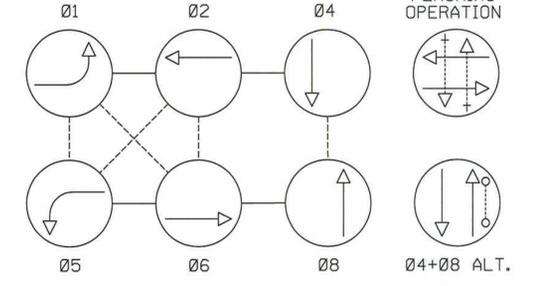
PROPOSED VIDEO DETECTION CAMERA



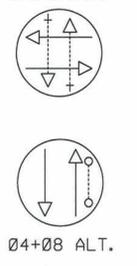
PROPOSED SIGNALS



NEMA PHASING



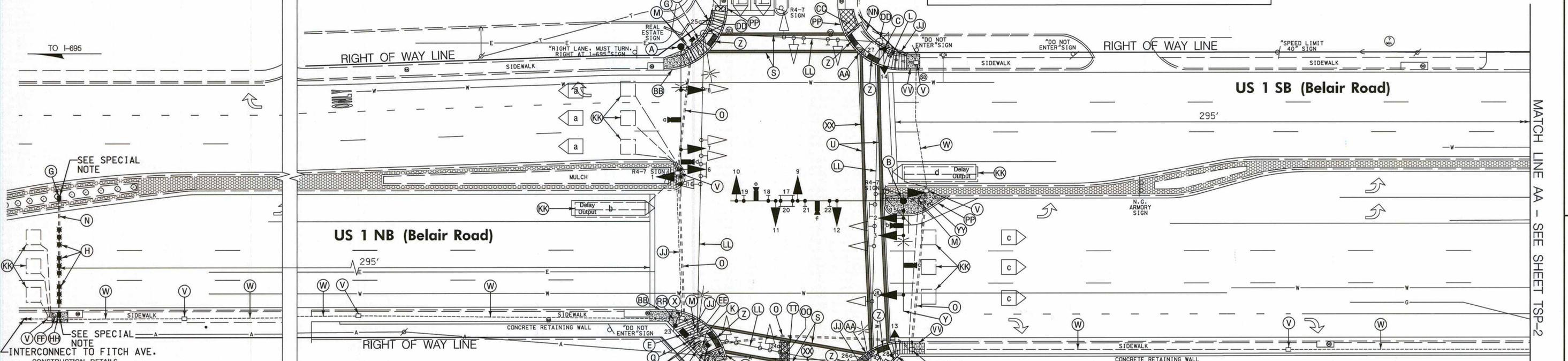
FLASHING OPERATION



US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A 70 FT. MAST ARM...
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A TWIN 50 FT. (CUT TO 44 FT.)/70 FT. MAST ARMS...
C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE...
D. USE EXISTING PEDESTAL POLE FOUNDATION. REMOVE EXISTING PEDESTAL POLE AND PUSHBUTTON AND INSTALL 10 FT. STEEL PEDESTAL POLE WITH SIGNAL HEAD...



SPECIAL NOTE: INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

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

- E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD...
F. INSTALL EMBEDDED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE...
G. INSTALL HANDHOLE...
H. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT...
I. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT...

Table with 2 columns: Utility Type and Dimensions. Includes Telephone, Cable, Top Strain Pole, and Twist Primary.

Table with 2 columns: Utility Type and Dimensions. Includes Telephone, Cable, Top Strain Pole, and Twist Primary.

GENERAL NOTES

- 1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS...
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT...
3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER...
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION...
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL...
6. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL...
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE...
8. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE...
9. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED...
10. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%...
11. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE...
12. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED...
13. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E-2 AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY...
14. ALL SIDEWALK RAMPS SHALL BE INSTALLED AS PER STANDARDS MD 655.11...
15. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT...
16. REFER TO SHEET 3 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

- Y. USE EXISTING HANDHOLE...
Z. REMOVE EXISTING SIDEWALK RAMP AND INSTALL SIDEWALK RAMP...
AA. INSTALL SIDEWALK RAMP SEPARATION ISLAND...
BB. REMOVE EXISTING SIDEWALK RAMP AND INSTALL 5 IN. CONCRETE SIDEWALK AND COMBINATION CONCRETE CURB AND GUTTER...
CC. REMOVE EXISTING SIDEWALK RAMP, BACKFILL, SEED AND MULCH...
DD. REMOVE EXISTING STRAIN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. RELOCATE EXISTING SIGN (#23) ON NEW WOOD SUPPORT AS SHOWN...
EE. REMOVE EXISTING STRAIN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL...
FF. REMOVE EXISTING SIDEWALK AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE 5 INCH CONCRETE SIDEWALK...
GG. REMOVE EXISTING BRICK PAVERS AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND RESET BRICK PAVERS...
HH. REMOVE EXISTING SIDEWALK. INSTALL HANDHOLE. REPLACE 5 IN. CONCRETE SIDEWALK...
JJ. CAP AND ABANDON EXISTING CONDUIT...
KK. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER...
LL. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT...
MM. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET...
NN. INSTALL STANDARD TYPE A COMBINATION CONCRETE CURB...
OO. REMOVE EXISTING CONCRETE MEDIAN AND INSTALL 5 IN. CONCRETE SIDEWALK AS SHOWN...
PP. INSTALL COMBINATION CONCRETE CURB AND GUTTER (STANDARD NO. MD 620.02 TYPE 'A')...
QQ. USE EXISTING HANDHOLE AND ADJUST TO FINAL GRADE...
RR. INSTALL BUS STOP SIGN ON ONE 4 IN. x 4 IN. TREATED WOOD SUPPORT (L=15')...
SS. INSTALL R4-7(2) (18 IN. x 30 IN.) SIGN ON ONE 4 IN. x 4 IN. TREATED WOOD SUPPORT (L=15')...
TT. REMOVE EXISTING R4-7 SIGN AND SUPPORT...
UU. REMOVE EXISTING HANDHOLE...
VV. REMOVE EXISTING CONCRETE SIDEWALK AND INSTALL 5 IN. CONCRETE SIDEWALK...
WW. REMOVE EXISTING STRAIN POLE AND EXISTING R6-1(L&R) SIGNS (#26a). REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL...
XX. REMOVE EXISTING PAVEMENT MARKINGS...
YY. INSTALL 5 IN. CONCRETE SIDEWALK...
ZZ. REMOVE EXISTING R6-1(L&R) SIGNS AND SUPPORT.

Legend tables for GEOMETRIC LEGEND, UTILITY LEGEND, and APPROVALS/REVISIONS.

WR&A logo and company information: WHITMAN, REQUARDT & ASSOCIATES, LLP, 801 South Caroline Street, Baltimore, Maryland 21231

APPROVALS table with columns for TEAM LEADER, ASST. DIR. CHIEF, and OFFICE DIRECTOR.

REVISIONS table with columns for description, date, and initials.

SHA logo and project information: STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION US 1 (Belair Road) and Fullerton Plaza/Putty Hill Plaza Parkville, Maryland

TRAFFIC SIGNALIZATION PLAN table with columns for SCALE, DESIGNED BY, DRAWN BY, CHECKED BY, F.A.P. NO., TS NO., DRAWING, OF, SHEET NO.