

U.S. 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

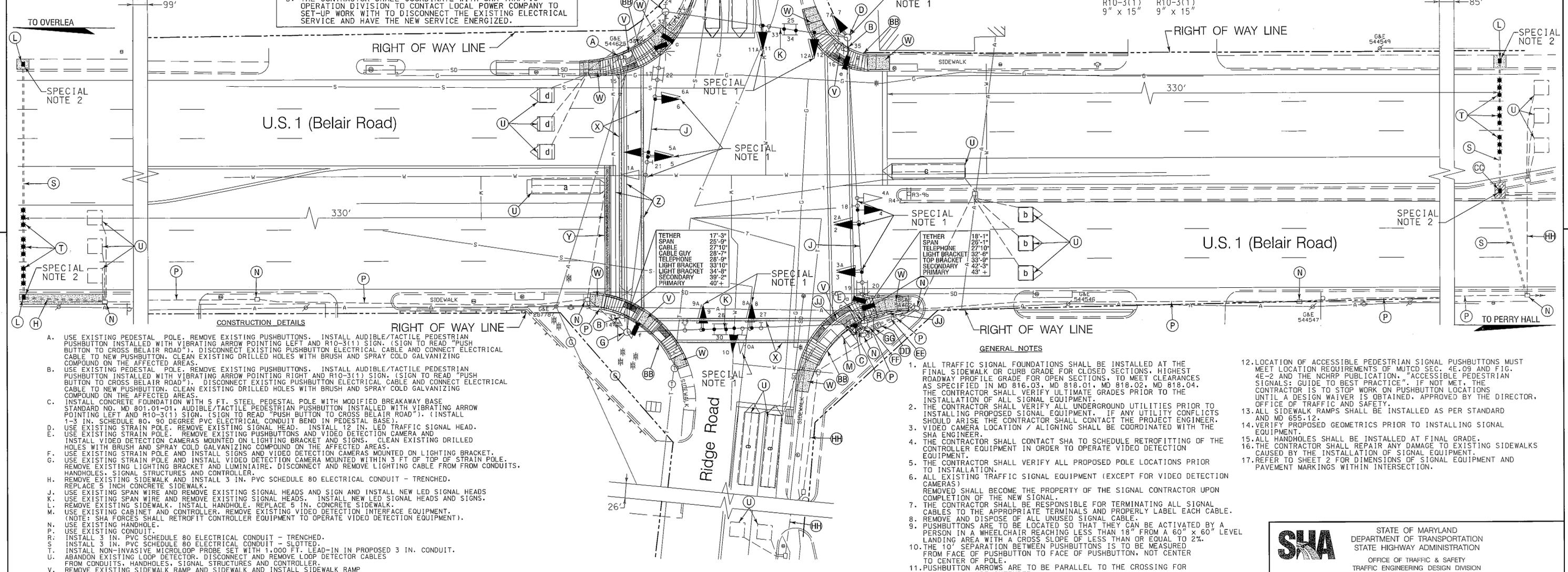
EXISTING SIGNALS TO REMAIN: 13, 14, 15, 16

EXISTING VIDEO DETECTION CAMERA TO BE REMOVED: 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNS TO BE REMOVED: 18, 21

SPECIAL NOTES:

- DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
- 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.
- THE CONTRACTOR SHALL COORDINATE WITH SHA TRAFFIC OPERATION DIVISION TO CONTACT LOCAL POWER COMPANY TO SET-UP WORK WITH TO DISCONNECT THE EXISTING ELECTRICAL SERVICE AND HAVE THE NEW SERVICE ENERGIZED.



- USE EXISTING PEDESTAL POLE. REMOVE EXISTING PUSHBUTTONS. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS BELAIR ROAD"). DISCONNECT EXISTING PUSHBUTTON ELECTRICAL CABLE AND CONNECT ELECTRICAL CABLE TO NEW PUSHBUTTON. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
- USE EXISTING PEDESTAL POLE. REMOVE EXISTING PUSHBUTTONS. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS BELAIR ROAD"). DISCONNECT EXISTING PUSHBUTTON ELECTRICAL CABLE AND CONNECT ELECTRICAL CABLE TO NEW PUSHBUTTON. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
- INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS BELAIR ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
- USE EXISTING STRAIN POLE. REMOVE EXISTING SIGNAL HEAD. INSTALL 12 IN. LED TRAFFIC SIGNAL HEAD.
- USE EXISTING STRAIN POLE. REMOVE EXISTING PUSHBUTTONS AND VIDEO DETECTION CAMERA AND INSTALL VIDEO DETECTION CAMERAS MOUNTED ON LIGHTING BRACKET AND SIGNS. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
- USE EXISTING STRAIN POLE AND INSTALL SIGNS AND VIDEO DETECTION CAMERAS MOUNTED ON LIGHTING BRACKET.
- USE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE. REMOVE EXISTING LIGHTING BRACKET AND LUMINAIRE. DISCONNECT AND REMOVE LIGHTING CABLE FROM FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- REMOVE EXISTING SIDEWALK AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE 5 INCH CONCRETE SIDEWALK.
- USE EXISTING STRAIN POLE AND REMOVE EXISTING SIGNAL HEADS AND SIGN AND INSTALL NEW LED SIGNAL HEADS AND SIGNS.
- REMOVE EXISTING SIDEWALK. INSTALL HANDHOLE. REPLACE 5 IN. CONCRETE SIDEWALK.
- USE EXISTING CABINET AND CONTROLLER. REMOVE EXISTING VIDEO DETECTION INTERFACE EQUIPMENT. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- REMOVE EXISTING SIDEWALK AND SIDEWALK AND INSTALL SIDEWALK RAMP (STANDARD NO. MD 655.12) AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
- REMOVE EXISTING SIDEWALK AND INSTALL 5 IN. CONCRETE SIDEWALK AND COMBINATION CONCRETE CURB AND GUTTER (STANDARD NO. MD 620.02 TYPE "A").
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- REMOVE EXISTING PAVEMENT MARKINGS.
- ABANDON EXISTING MICROLOOP PROBES. DISCONNECT AND REMOVE MICROLOOP PROBE CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- INSTALL STANDARD TYPE "A" CURB.
- REMOVE DECORATIVE BRICK PAVERS. INSTALL HANDHOLE. RESET DECORATIVE BRICK PAVERS.
- INSTALL EMBEDDED METEDED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE.
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUITS 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
- INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CONDUIT SHALL TIE INTO EXISTING 2 IN. ELBOW IN FOUNDATION CURRENTLY BEING UTILIZED FOR EXISTING ELECTRICAL FEED.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING CONCRETE SIDEWALK RAMP. BACKFILL, SEED, AND MULCH.

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

WR&A

WHITMAN, REQUARDT & ASSOCIATES, LLP

801 South Caroline Street, Baltimore, Maryland 21231

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>① UPGRADED APS AND ADA RAMPS VIDEO DETECTION --TIMS # K828 SHA. NO. XX6085185 7/21/11</p> <p>② ADDED AUDIBLE PEDESTRIAN SIGNALS AND ADA RAMPS SHA. NO. A17825185 11/07/2006</p> <p>③ AS-BUILT POLES & SIGNS. REPLACE STREET NAME SIGNS. MODIFICATION BY STATE FORCES. 7/16/2002</p>

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 1 (Belair Road) and Putty Hill Avenue /Ridge Road

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 06/04/1980 CONTRACT NO. _____

DESIGNED BY _____ COUNTY Baltimore

DRAWN BY BRUCE THOMPSON LOGMILE 03000105.69

CHECKED BY _____ TIMS NO. K828

F.A.P. NO. SEE TITLE SHEET TOD NO. _____

TS NO. **631 E** DRAWING **TSP-1** OF 3 SHEET NO. 1 OF 3

BY: bdonoway