PROJECT DESCRIPTION

GENERAL

THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 32 AND JOHNSVILLE ROAD /BENNETT ROAD. THIS IMPROVEMENT INVOLVES THE INSTALLATION OF PEDESTRIAN PUSH BUTTONS IN THE NORTHEAST AND NORTHWEST QUADRANTS TO CROSS THE NORTH LEG OF THE INTERSECTION VIA AREAWIDE FORCES. IT WILL ALSO INCLUDE CONSTRUCTION OF SIDEWALK AND A HANDICAP RAMP IN THE NORTHEAST QUADRANT AND SIDEWALK IN THE NORTHWEST QUADRANT. ALL EXISTING NON-STANDARD SIGNAL HEADS WILL BE REPLACED. MD 32 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN NEMA FIVE PHASE, FULL-TRAFFIC-ACTUATED MODE. AN ALTERNATE PEDESTRIAN PHASE IS PROPOSED FOR PEDESTRIANS TO CROSS THE NORTH LEG OF THE INTERSECTION.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CONTROLLER, LOOP DETECTOR AMPLIFIER AND ASSOCIATED HARNESSES WILL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: 301-624-8140

Ms. Andrea Abend
Assistant District Engineer - Utility
Phone: 301-624-8115

Mr. Dave Coyne
Assistant District Engineer - Maintenance
Phone: 301-624-8105

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7650

The Power Company Representative is:
Baltimore Gas & Electric Company
7317 Parkway Drive South
Hanover, MD 21076
410-859-9062

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NUMBER	QUANTITY	DESCRIPTION
~~9571~~	~~1.5 SF~~	~~(UPDATED) SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN.~~ ~~2 EACH - R10-4(2) (9 IN. X 12 IN.)~~ ~~'PUSH BUTTON TO CROSS SYKESVILLE RD'~~

EQUIPMENT LIST 'C'

EQUIPMENT TO BE SALVAGED AND RETURNED TO SHA

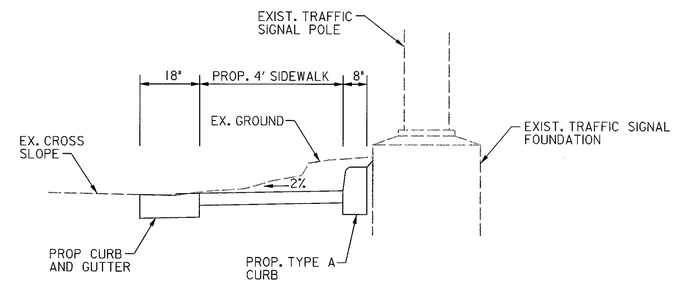
ITEM NUMBER	QUANTITY	DESCRIPTION

ALL REMOVED MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

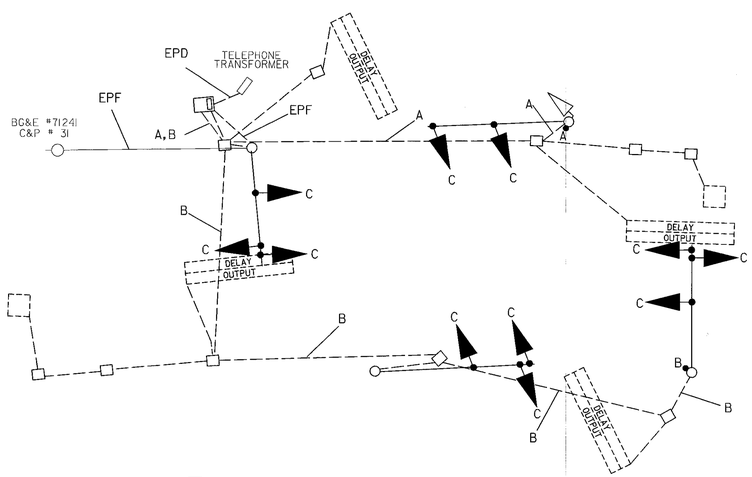
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
6001	60 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6003	440 SF	4 INCH CONCRETE SIDEWALK
8008	1 EA	ADJUST HANDHOLE TO GRADE
8011	2 EA	PUSHBUTTON AND SIGN
8021	40 SF	DETECTABLE WARNING SURFACE
8055	3 EA	8 INCH VEHICULAR SIGNAL HEAD SECTION
8056	33 EA	12 INCH VEHICULAR SIGNAL HEAD SECTION
8059	375 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)



HANDICAP RAMP DETAIL
NOT TO SCALE

WIRING DIAGRAM



A/B - ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

C - USE EXISTING WIRING

EPD - EXISTING PHONE DROP

EPF - EXISTING POWER FEED

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R	R	R
PHASE 2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	R	R	R	G/~~G~~	G/~~G~~	G
PHASE 3 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y
PHASE 3 ALT	R	R	R	R	R	R	R	R	R	G/~~G~~	G/~~G~~	G
PEDESTRIAN CLEARANCE	R	R	R	R	R	R	R	R	R	C/~~G~~	G/~~G~~	G
PHASE 3 ALT CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y
PHASE 4	R	R	R	R	R	R	G/~~G~~	G/~~G~~	G	R	R	R
PHASE 4 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

CL317A52B52 AT5825185

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 32 (SYKESVILLE ROAD) AND JOHNSVILLE ROAD /BENNETT ROAD

GENERAL INFORMATION

SCALE NONE DATE 42005 CONTRACT NO. AT5825185

DESIGNED BY SM
DRAWN BY AMT
CHECKED BY BAB
F.A.P. NO.

COUNTY CARROLL
LOGMILE 06003204.23
T.I.M.S. NO. G862
TOD NO.

DRAWING NO. **TS-2183 C** OF

SHEET NO. 2 OF 2

STV Incorporated
engineers /architects /planners /scientists /construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: KIPPMR

PLOTTED: 04/11/2025
FILE: I:\PROJECTS\11103\54\MD 32 @ JOHNSVILLE\PSG-P002_MD32.DGN