

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 765 (HG TRUEMAN ROAD) AND APPEAL LANE/TOWN SQUARE DRIVE IN CALVERT COUNTY, MARYLAND. MODIFICATIONS INCLUDE THE INSTALLATION OF APS PUSHBUTTONS FOR THE SOUTH LEG OF MD 765 AND THE EAST LEG OF TOWN SQUARE DRIVE AND THE CONSTRUCTION OF ADA-COMPLIANT CURB RAMPS. MD 765 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN NEMA SIX PHASE, FULL TRAFFIC-ACTUATED MODE WITH THE MD 765 APPROACHES OPERATING CONCURRENTLY AND THE APPEAL LANE/TOWN SQUARE DRIVE APPROACHES OPERATING SPLIT PHASED. EXCLUSIVE LEFT-TURN PHASING IS PROVIDED FOR NORTHBOUND AND SOUTHBOUND MD 765. INTERSECTION LIGHTING IS PROVIDED ON THE SOUTHEAST CORNER OF THE INTERSECTION. NEW PUSHBUTTON ACTUATION WILL BE INSTALLED ACROSS THE SOUTH LEG OF MD 765 AND THE EAST LEG OF TOWN SQUARE DRIVE. ALL PEDESTRIAN PUSHBUTTONS WILL BE APS.

NEW AUDIBLE PUSHBUTTON ACTUATED PEDESTRIAN PHASES WILL BE PROVIDED ACROSS THE THE SOUTH LEG OF MD 765 AND THE EAST LEG OF TOWN SQUARE DRIVE.

APS MESSAGE FOR CROSSING MD 765 (HG TRUEMAN ROAD) FROM THE EAST:

A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS HG TRUEMAN AT TOWN SQUARE AND APPEAL, WAIT".

B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

APS MESSAGE FOR CROSSING MD 765 (HG TRUEMAN ROAD) FROM THE WEST:

A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS HG TRUEMAN AT APPEAL AND TOWN SQUARE, WAIT".

B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

APS MESSAGE FOR CROSSING TOWN SQUARE DRIVE:

A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS TOWN SQUARE AT HG TRUEMAN, WAIT".

B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

CONTROLLER REQUIREMENTS

THE EXISTING NEMA SIZE '6' BASE MOUNTED CABINET AND EIGHT-PHASE CONTROLLER AND ALL ASSOCIATED EQUIPMENT WILL CONTINUE TO BE USED. A 2-WIRE CENTRAL CONTROL UNIT WILL BE ADDED TO THE CABINET.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA:

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9571	38	SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
			- 1 EACH M1-5(6) (48"x72") "765"
			- 1 EACH M1-5(6) (30"x48") "765"
			- 2 EACH R10-3(1) (9"x15") "HG TRUEMAN ROAD"
			- 2 EACH R10-3(1) (9"x15") "TOWN SQUARE DRIVE"

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2001	3	CY	CLASS 2 EXCAVATION
2002	2	CY	TEST PIT EXCAVATION
5003	600	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	575	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
5005	25	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	200	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	330	SF	5 INCH CONCRETE SIDEWALK
6003	70	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8008	4	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	4	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8016	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8024	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8038	100	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8040	62	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8042	75	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8053	450	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8055	250	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8071	8	SY	NEG-APPROVED-TURFGRASS SOD ESTABLISHMENT

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. LEE STARKLOFF
DISTRICT ENGINEER
PHONE: (410) 841-1001

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. JOSEPH GECKLE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

MR. ED RODENHIZER
CHIEF, SIGNAL SHOP SECTION
PHONE: (410) 787-7650

MR. MIKE STOCKER
SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE)
PHONE: (410) 787-7696

MR. MIKE HUBER
DISTRICT UTILITY ENGINEER
PHONE: (410) 841-1039

MS. CORREN JOHNSON
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

VACANT
ASSISTANT DIVISION CHIEF - TRAFFIC OPERATIONS
PHONE: (410) 787-7630

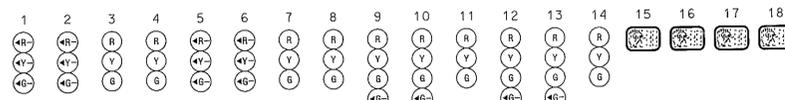
MR. EUGENE BAILEY
CHIEF - SIGN OPERATIONS SECTION
PHONE: (410) 787-7670

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA:

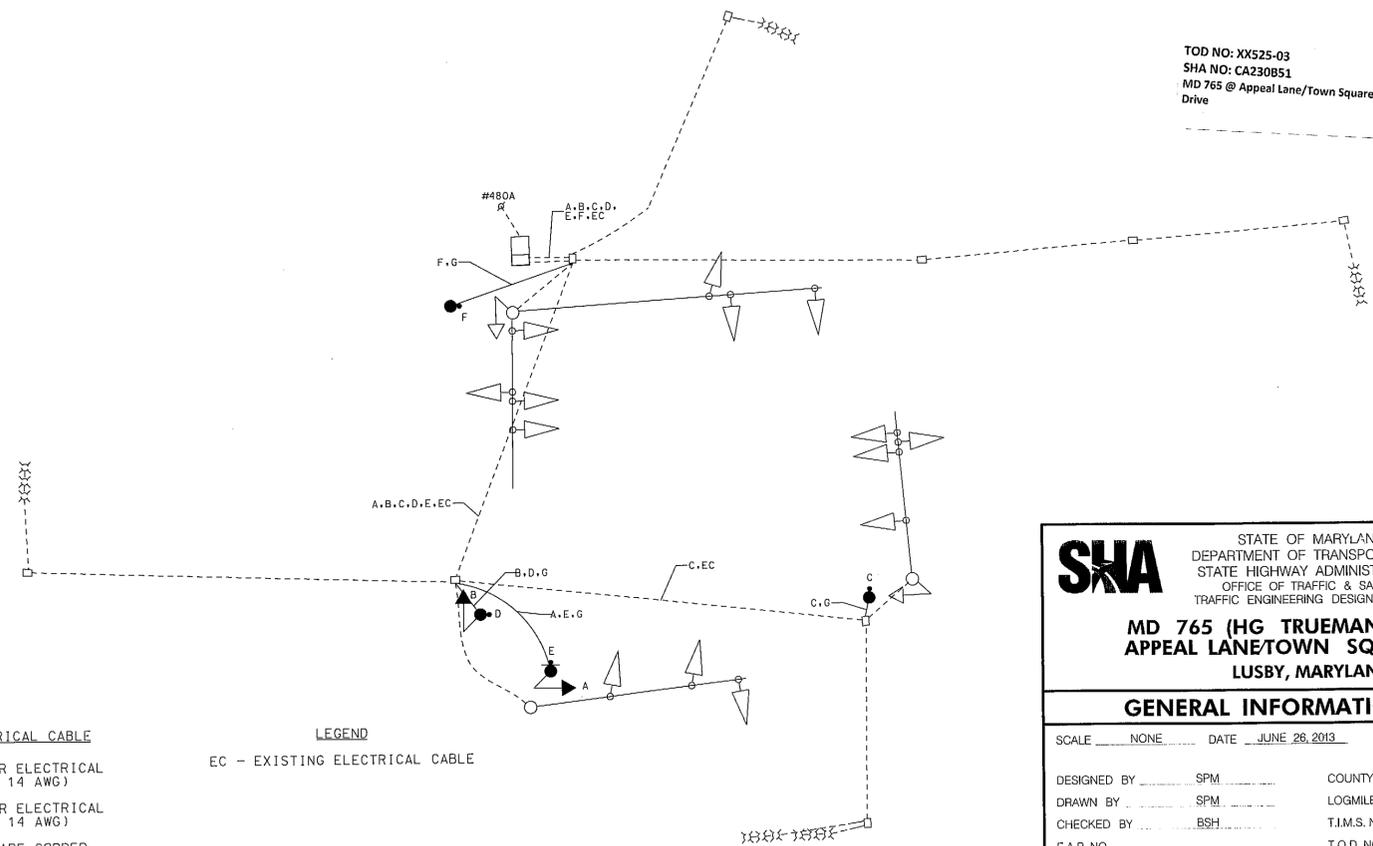
NONE

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 + 5	+G-	+G-	R	R	+G-	+G-	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 + 5 CHANGE	+G-	+G-	G	G	+R-	+R-	R	R	R	R	R	R	R	R	WK	WK	DW	DW
PHASE 1 + 6	+G-	+G-	G	G	+R-	+R-	R	R	R	R	R	R	R	R	WK	WK	DW	DW
1 + 6 CHANGE	+Y-	+Y-	Y	Y	+R-	+R-	R	R	R	R	R	R	R	R	WK	WK	DW	DW
PHASE 2 + 5	+R-	+R-	R	R	+G-	+G-	G	G	R	R	R	R	R	R	DW	DW	DW	DW
2 + 5 CHANGE	+R-	+R-	R	R	+Y-	+Y-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 6	+R-	+R-	G	G	+R-	+R-	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	+R-	+R-	G	G	+R-	+R-	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 + 6 CHANGE	+R-	+R-	Y	Y	+R-	+R-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	+R-	+R-	R	R	+R-	+R-	R	R	+G-	+G-	G	R	R	R	DW	DW	DW	DW
3 CHANGE	+R-	+R-	R	R	+R-	+R-	R	R	+G-	+G-	G	DW	DW	DW	DW	DW	DW	DW
PHASE 4	+R-	+R-	R	R	+R-	+R-	R	R	+G-	+G-	G	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	+R-	+R-	R	R	+R-	+R-	R	R	+G-	+G-	G	DW	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	+R-	+R-	R	R	+R-	+R-	R	R	+G-	+G-	G	R	R	R	DW	DW	FL/DW	FL/DW
PED CLEARANCE	+R-	+R-	R	R	+R-	+R-	R	R	+G-	+G-	G	R	R	R	DW	DW	FL/DW	FL/DW
3 ALT CHANGE	+R-	+R-	R	R	+R-	+R-	R	R	+G-	+G-	G	R	R	R	DW	DW	DW	DW
FLASHING OPERATION	+FL/R	+FL/R	FL/Y	FL/Y	+FL/R	+FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

WIRING DIAGRAM



PROPOSED ELECTRICAL CABLE

- A, B } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C, D, E, F } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- G } STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)

LEGEND

EC - EXISTING ELECTRICAL CABLE

TOD NO: XX525-03
SHA NO: CA230851
MD 765 @ Appeal Lane/Town Square Drive

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

**MD 765 (HG TRUEMAN ROAD) AT
APPEAL LANE/TOWN SQUARE DRIVE
LUSBY, MARYLAND**

GENERAL INFORMATION SHEET

SCALE NONE DATE JUNE 26, 2013 CONTRACT NO. XY2245185

DESIGNED BY SPM COUNTY CALVERT
DRAWN BY SPM LOGMILE 04078502.35
CHECKED BY BSH T.J.M.S. NO. L694
F.A.P. NO. T.O.D. NO.

T.S. NO. 3997B-GI SG-03 OF SG-03 SHEET NO. 3 OF 3

BY: PJKennedy

**McCormick
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509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400