

PROJECT DESCRIPTION

GENERAL
 THIS PROJECT INVOLVES THE RELOCATION OF THE ACCESSIBLE PEDESTRIAN SIGNALS (APS) AND ONE COUNTDOWN PEDESTRIAN SIGNAL (CPS) AT THE INTERSECTION OF MD 185 (CONNECTICUT AVE) AND WASHINGTON STREET IN MONTGOMERY COUNTY. MD 185 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
 THIS INTERSECTION WILL OPERATE WITH A PEDESTRIAN COUNTDOWN ACTUATED CROSSING SIGNAL. THE NORMAL OPERATION FOR THE MD 185 THROUGH MOVEMENTS WILL BE FLASHING YELLOW. THE WASHINGTON STREET NORMAL OPERATION WILL BE FLASHING RED. UPON ACTUATION OF THE PEDESTRIAN COUNTDOWN PHASE, ALL INTERSECTION VEHICLE MOVEMENTS ARE TO STOP WITH THE PEDESTRIAN INDICATION BEING PROVIDED ACROSS THE NORTH LEG OF THE INTERSECTION.

CONTROLLER REQUIREMENTS
 THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED HARNESSES SHALL REMAIN.

APS WILL FUNCTION AS FOLLOWS:

TO CROSS CONNECTICUT AVE

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS CONNECTICUT AT WASHINGTON, WAIT".
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

SPECIAL NOTES

- 1. ALL CONTROLLER CABINET WIRING WILL BE PERFORMED BY MONTGOMERY COUNTY FORCES. CONTACT KAMAL HAMUD AT (240) 777-8761 72 HOURS IN ADVANCE OF INTENDED WORK.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Cedric Ward
 Assistant District Engineer - Traffic
 Phone: 301-513-7358

Mr. Victor Grafton
 District Utility Engineer
 Phone: 301-513-7350

Mr. Vernon Stinnett
 Assistant District Engineer - Maintenance
 Phone: 301-513-7304

OFFICE OF TRAFFIC AND SAFETY:

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

Mr. Robert Snyder
 Assistant Division Chief, Traffic Operations
 410-787-7630

Mr. Edward Rodenhizer
 Chief Signal Operations
 Phone: 410-787-7650

Mr. Eugene Bailey
 Chief Sign Operations
 410-787-7670

MONTGOMERY COUNTY:

Mr. Kamal Hamud
 Traffic Engineering
 240-777-8761

Mr. Bob Ricketts
 Signal Shop
 301-219-1975

The Power Company is:
 Pepco
 8300 Old Marlboro Pike
 Upper Marlboro, MD 20442
 Phone: 301-961-5325

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
NONE		

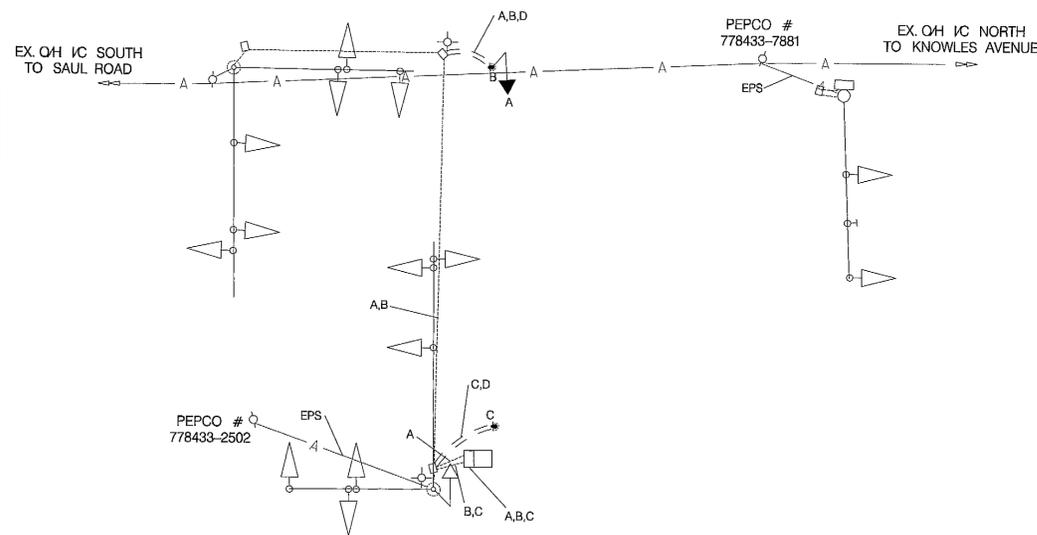
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

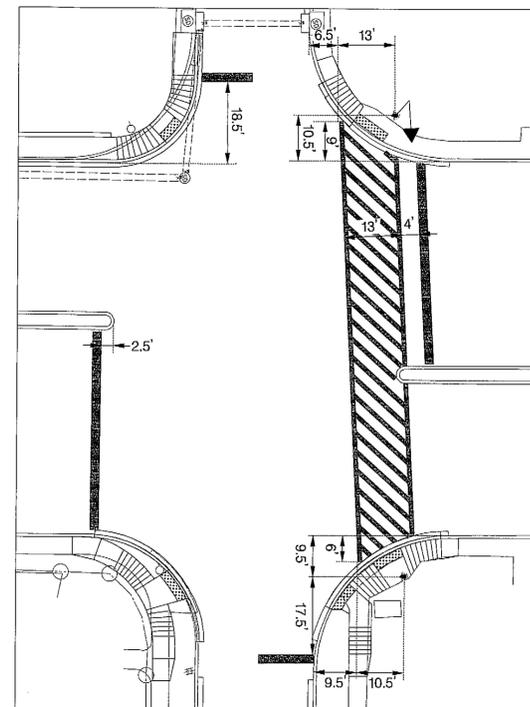
CATEGORY CODE	QUANTITY	DESCRIPTION
203030	1 CY	TEST PIT EXCAVATION
585621	500 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585625	130 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585700	600 LF	REMOVAL OF EXISTING PAVEMENT MARKING LINES, ANY WIDTH
800000	1 EA	REMOVE & DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
800000	2 EA	RELOCATE PUSHBUTTON
801004	1 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	30 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	30 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
813006	2 SF	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURES
818004	2 EA	10 FOOT BREAKAWAY PEDESTAL POLE
860265	1 EA	RELOCATE EXISTING SIGNAL HEAD
860292	1 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
861105	175 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO.14 AWG)
861107	150 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)

WIRING DIAGRAM (NOT TO SCALE)



- A] ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
- B] ELECTRICAL CABLE - 2 CONDUCTOR (NO.14 AWG)
- C] NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- D] NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- EPS] EXISTING POWER SERVICE
- ⊕] EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH

PROPOSED SIGNAL EQUIPMENT AND PAVEMENT MARKING LAYOUT



PHASE CHART

PHASE CHART	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	(R) (Y) (Y)	(Y) (Y) (Y)	(Y) (Y) (Y)														
NORMAL OPERATION	8" FLY	FLR DARK	DARK	DARK	DW	DW											

FLASHING OPERATION	8" FLY	FLR DARK	DARK	DARK	DARK	DARK											
--------------------	--------	--------	--------	--------	--------	--------	----------	----------	----------	----------	----------	----------	----------	------	------	------	------

PEDESTRIAN COUNTDOWN CROSSING PHASE

FIRST CHANGE INTERVAL	8" QFLY	R	R	R	R	R	R	R	R	FLY	FLY	DW	DW					
SECOND CHANGE INTERVAL	12" Y	R	R	R	R	R	R	R	R	FLY	FLY	DW	DW					
PEDESTRIAN PHASE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FLY	FLY	WK	WK
PEDESTRIAN COUNTDOWN CLEARANCE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FLY	FLY	FL/DW	FL/DW
PEDESTRIAN CHANGE	8" FLY	FLR DARK	DARK	DARK	DW	DW												

QFLY: QUICK FLASH YELLOW

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 185 (CONNECTICUT AVENUE)
 AT WASHINGTON STREET
 KENSINGTON, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 11/20/11 CONTRACT NO. MQ2235176

DESIGNED BY KXT COUNTY MONTGOMERY
 DRAWN BY KXT LOGMILE 15018503.89
 CHECKED BY MTS TMS NO. K838
 F.A.P. NO. TOD NO.

TS NO. 3978B DRAWING SG-04 OF 04 SHEET NO. 04 OF 04

STV
STV Incorporated
 7125 Ambassador Road, Suite 200
 Baltimore, MD 21244
 www.stvinc.com