

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL LOCATED AT THE INTERSECTION OF MD 185 AND WASHINGTON STREET. MD 185 (CONNECTICUT AVE) IS ASSUMED TO RUN IN THE NORTH/SOUTH DIRECTION IN MONTGOMERY COUNTY.

THIS MODIFICATION INCLUDES THE FOLLOWING:
 INSTALL AUDIBLE TACTILE PUSHBUTTON STATION,
 PEDESTRIAN EDUCATION SIGNS, SIGNS, PEDESTAL POLES
 AND COUNTDOWN PEDESTRIAN SIGNAL HEADS AT
 THE INTERSECTION OF MD 185 AND WASHINGTON ST.

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. AN AUDIBLE PEDESTRIAN MOVEMENTS WILL BE ADDED FOR THE NORTH LEG OF THE INTERSECTION. 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. AN EXISTING EIGHT PHASE FULLY-ACTUATED CONTROLLER AND BASE MOUNTED CABINET IS HOUSED AT THIS INTERSECTION.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE STATE OF MARYLAND.

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
		NONE	

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

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	1	CY	TEST PIT EXCAVATION
6001	21	LF	DEPRESSED CURB AND GUTTER
6003	170	SF	4 INCH CONCRETE SIDEWALK
8006	1	EA	2 WIRE CENTRAL CONTROL UNIT
8014	2	EA	AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON AND SIGNS
8015	1	EA	BREAKAWAY PEDESTAL POLE - ANY SIZE
8024	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8028	1	EA	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8037	16	SF	DETECTABLE WARNING SURFACES
8040	1	CY	CONCRETE FOR SIGNAL FOUNDATION
8043	30	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8049	35	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8064	2	SF	INSTALL OVERHEAD SIGN
8076	210	LF	ELECTRICAL CABLE - 2 CONDUCTOR NO. 14 AWG
8078	230	LF	ELECTRICAL CABLE - 5 CONDUCTOR NO 14 AWG
8090	2	EA	F & I R10-4(1) MOD PEDESTRIAN EDUCATION SIGN

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
		NONE	

PROJECT CONTACTS

The contact persons are as follows:

Mr. Jeff Wentz (MO)
 Assistant District Engineer - Traffic
 Phone: (301) 513-7318
 Mr. Wayne Mowdy
 Assistant District Engineer - Maintenance
 Phone: (301) 513-7304
 Mr. Augie Rebish
 Utility Engineer
 Phone: (301) 513-7350
 Mr. Richard L. Daff, Sr.
 Chief, Traffic Operations Division
 Phone: (410) 787-7630
 Mr. Ed Rodenhizer
 Supervisor, Signal Operations
 Phone: (410) 787-7650
 Mr. Kamal Hamud
 Montgomery County
 Phone: (240) 777-8795

PHASE CHART

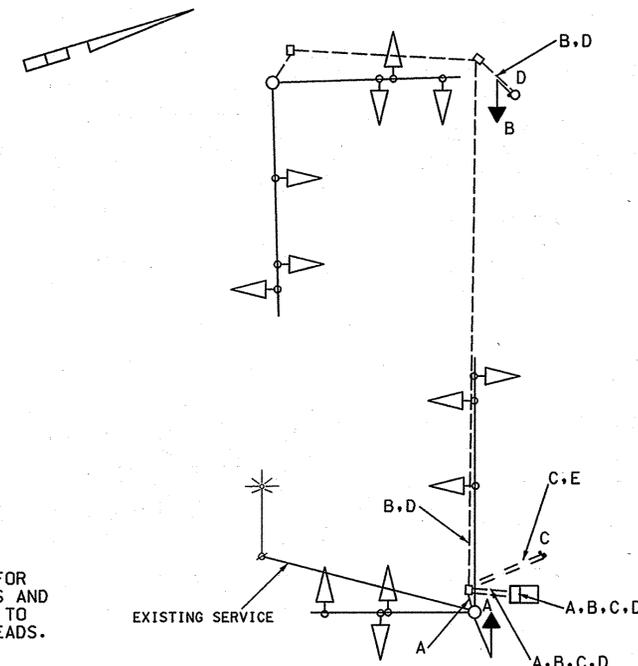
	1	2	3	4	5	6	7	8	9	10	11	12	13,14	15,16
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)						
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)						
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)						
NORMAL OPERATION	8" FL/Y	FL/R DARK	DW	↓										

FLASHING OPERATION	8" FL/Y	FL/R DARK	DW	↓										
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PEDESTRIAN COUNTDOWN CROSSING PHASE

FIRST CHANGE INTERVAL	8" Y	R	R	R	R	R	R	FLY	DW					
SECOND CHANGE INTERVAL	12" Y	R	R	R	R	R	R	FLY	DW					
PED PHASE	R	R	R	R	R	R	R	R	R	R	R	R	FLY	WK
PED COUNTDOWN CLEARANCE	R	R	R	R	R	R	R	R	R	R	R	R	FLY	FLDW
PED CHANGE	8" FL/Y	FL/R DARK	DW	↓										

WIRING DIAGRAM



NOTE:
 REMOVE EXISTING CONDUCTOR WIRE FOR EXISTING PEDESTRIAN SIGNAL HEADS AND RECONNECT NEW 5-CONDUCTOR WIRE TO THE PROPOSED COUNTDOWN SIGNAL HEADS.

KEY

- A,B } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C,D } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE

TOD NO: AT782-68
SHA No: MO574ASH/B5H
 MD 185 @ Washington Street

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 185 AT WASHINGTON ST.

GENERAL INFORMATION SHEET

SCALE	N.T.S.	DATE	1/4/07	CONTRACT NO.	AT7825185
DESIGNED BY	M. MEARS	COUNTY	MONTGOMERY		
DRAWN BY	MWS	LOGMILE	15018503.95		
CHECKED BY	RJM	T.I.M.S. NO.	H814		
F.A.P. NO.		TOD NO.			
DRAWING NO.	3978A G1-	2 OF 2		SHEET NO.	OF

BAI

BRUDIS & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 9220 RUMSEY ROAD SUITE 110
 COLUMBIA, MARYLAND 21045
 410-884-3607 410-884-3609(FAX)

PLOTTED: #DATE#
 FILE: #FILE#