PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL LOCATED AT THE INTERSECTION OF MD 28 AND SOUTH WASHINGTON STREET. MD 28 (EAST JEFFERSON STREET) IS ASSUMED TO RUN IN THE EAST/WEST 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 28 AND S. WASHINGTON ST.

INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA THREE PHASE, FULLY ACTUATED MODE. THE THROUGH MOVEMENTS ALONG MD 28 OPERATE CONCURRENTLY. THE SIDE STREET WILL ALSO OPERATE ALONE. COUNTDOWN PEDESTRIAN SIGNAL PHASING WITH ALTERNATE AUDIBLE PEDESTRIAN MOVEMENTS WILL BE ADDED FOR THE NORTH, EAST AND WEST LEGS OF THE INTERSECTION.

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
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Mr. Augie Rebish
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Mr. Richard L. Daff, Sr.
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Mr. Ed Rodenhizer
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Mr. Kamal Hamud
Montgomery County
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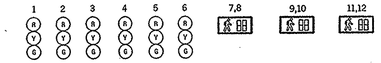
PHASE CHART



	1	2	3	4	5	6	7,8		9,10		11,12	
PHASE 2 AND 6	G	G	G	G	R	R	WK	WK	DW	DW	DW	DW
PEDESTRIAN CLEARANCE.	G	G	G	G	R	R	FL/DW	FL/DW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	G	G	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	G	G	DW	DW	WK	WK	WK	WK
PEDESTRIAN CLEARANCE.	R	R	R	R	G	G	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 ALT CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTATION

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9571	5	SF	[UPDATED] SHEET ALUMINUM FOR POLE MOUNTED SIGN
	4	EA	R10-3(1) PEDSETRIAN EDUCATION SIGN TO READ "PUSH BUTTON TO CROSS E. JEFFERSON STREET"
	2	EA	R10-3(1) PEDSETRIAN EDUCATION SIGN TO READ "PUSH BUTTON TO CROSS S. WASHINGTON STREET"

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	3	CY	TEST PIT EXCAVATION
5003	85	LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	25	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	130	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
6001	50	LF	DEPRESSED CURB AND GUTTER
6002	80	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6003	405	SF	4 INCH CONCRETE SIDEWALK
8006	1	EA	2 WIRE CENTRAL CONTROL UNIT
8014	6	EA	AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON AND SIGNS
8024	6	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8026	6	EA	PUSHBUTTON AND SIGN
8028	1	EA	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8035	110	LF	DISCONNECT, PULL BACK AND REROUTE CABLES
8037	64	SF	DETECTABLE WARNING SURFACES
8039	40	SF	REMOVE AND RESET DECORATIVE BRICK
8040	4	CY	CONCRETE FOR SIGNAL FOUNDATION
8043	130	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8049	125	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8062	2	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8076	650	LF	ELECTRICAL CABLE - 2 CONDUCTOR NO. 14 AWG
8078	650	LF	ELECTRICAL CABLE - 5 CONDUCTOR NO 14 AWG
8098	5	EA	PAINT 14 FOOT PED POLE

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

NOTE:
REMOVE EXISTING 3-CONDUCTOR WIRE USED FOR EXISTING PEDESTRIAN SIGNAL HEADS FROM CONDUIT AND HANDHOLES AND INSTALL NEW 5-CONDUCTOR WIRE TO THE PROPOSED COUNTDOWN SIGNAL HEADS.

KEY

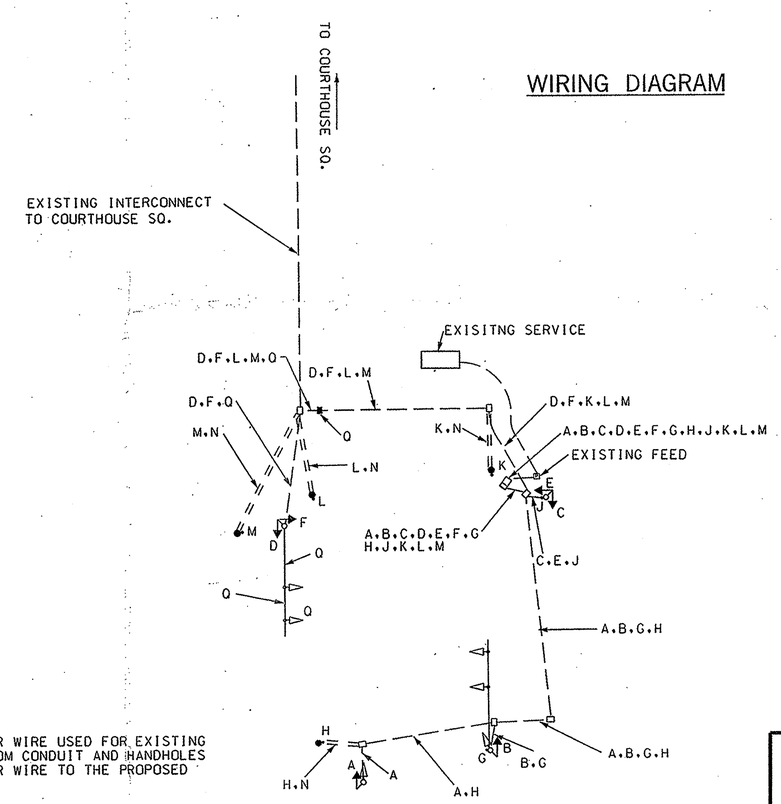
A-G,O,P } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

H,J - M } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

N } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE

Q } EXISTING 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) TO BE ROUTED THROUGH NEW HANDHOLE THAT'S PLACE ON EXISTING CONDUIT.

WIRING DIAGRAM



BAI
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COLUMBIA, MARYLAND 21045

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

MD 28 AT S. WASHINGTON STREET
ROCKVILLE, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE 04/18/2007 CONTRACT NO. AT7835185

DESIGNED BY MWS
DRAWN BY MWS
CHECKED BY RJM
F.A.P. NO.
COUNTY MONTGOMERY
LOGMILE 15002822.30
T.I.M.S. NO. F065
TOD NO.

DRAWING NO. TS-1734B
SHEET NO. 2 OF 2

PLOTTED: $DATETIME$
FILE: $FILE$

BY: $USERNAME$