

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 124 (WOODFIELD ROAD) AT CYPRESS HILL DRIVE/RICKENBACKER DRIVE IN MONTGOMERY COUNTY. MD 124 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A SEMI-ACTUATED MODE USING FOUR NEMA PHASES, SEMI-ACTUATED MODE WITH THE MD 124 APPROACHES RUNNING CONCURRENTLY. THE RICKENBACKER DRIVE/CYPRESS HILL DRIVE APPROACHES WILL ALSO RUN CONCURRENTLY. ALL APPROACHES HAVE PERMISSIVE LEFT TURN PHASING.

PEDESTRIAN OPERATION

NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON MOVEMENTS TO CROSS THE WEST AND SOUTH LEGS OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSH BUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
 WEST: "WAIT TO CROSS RICKENBACKER AT WOODFIELD."
 SOUTH: "WAIT TO CROSS WOODFIELD AT RICKENBACKER/CYPRESS HILL."

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. JEFFREY WENTZ, ASSISTANT DISTRICT ENGINEER - TRAFFIC
 PHONE: (301) 513-7358
 MR. DUANE BERNDARD, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
 PHONE: (301) 513-7336
 MR. WAYNE A. MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
 PHONE: (301) 513-7304
 MR. AUGIE REBISH, UTILITY ENGINEER
 PHONE: (301) 513-7350
 MR. ROBERT SNYDER, SR. CHIEF TRAFFIC OPERATIONS DIVISION
 PHONE: (410) 787-7630

MR. KAMAL HAMUD
 MONTGOMERY COUNTY
 240-777-8761

MR. STEVE CUSTER
 PEPCO CUSTOMER DESIGN
 201 W. GUIDE DR.
 ROCKVILLE, MD 20850
 PHONE: (301) 548-4333

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: 104.00 - 30, 104.12 - 01, 104.13 - 01, 104.31 - 01, 104.32 - 01, 104.81 - 02

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY	DESCRIPTION	UNITS	QUANTITY
CODE NO.			
	SHEET ALUMINUM SIGNS MAST ARM MOUNT R3-5(L) (30"X36") MAST ARM MOUNT - 1 EACH	SF	6.30

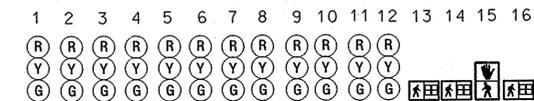
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY	DESCRIPTION	UNITS	QUANTITY
CODE NO.			
585452	24 INCH WHITE PERMANENT PERFORMED PAVEMENT MARKINGS	LF	120
813015	INSTALL OVERHEAD SIGN	SF	6.30
860265	RELOCATE EXISTING SIGNAL HEAD	EA	8

WIRING DIAGRAM

SAME AS PREVIOUS STAGE

PHASE CHART



PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	G	G	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	G	G	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	G	G	DW	DW	FL/DW	FL/DW
PHASE 4 AND 8 CHANGE ALT	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FL/R	DARK	DARK	DARK	DARK							

BY: Aaron Hottenstein Division: 0101 Transportation

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SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 124 (WOODFIELD RD) AND CYPRESS HILL DRIVE /RICKENBACKER DRIVE
 STAGE II & III

GENERAL INFORMATION SHEET

SCALE	1" = 20'	DATE	NA	CONTRACT NO.	M06325171
DESIGNED BY	AH	COUNTY	MONTGOMERY		
DRAWN BY	AF	LOGMILE	15012407.96		
CHECKED BY	JFL	TIMS NO.	H079		
FAP NO.		TOD NO.			
TS NO.	4104-A	DRAWING	SP-18 OF 39	SHEET NO.	276 OF 377