

PROJECT DESCRIPTION

GENERAL
 THIS PROJECT INVOLVES RECONSTRUCTION OF EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 124 (WOODFIELD ROAD) AT AIRPARK ROAD 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 EIGHT NEMA PHASES. AN EXCLUSIVE LEFT TURN WILL BE PROVIDED FOR NORTHBOUND AND SOUTHBOUND MD 124. AN EXCLUSIVE LEFT TURN WILL BE PROVIDED FOR EASTBOUND AND WESTBOUND AIRPARK ROAD. A RIGHT TURN OVERLAP PHASE WILL BE PROVIDED ON WESTBOUND AIRPARK.

PEDESTRIAN OPERATION
 NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON MOVEMENTS TO CROSS THE EAST, WEST NORTH AND SOUTH LEGS OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSH BUTTON FOR AN EXTENDED TIME, THE PUSH BUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
 NORTH/SOUTH: "WAIT TO CROSS WOODFIELD AT AIRPARK ." CROSSWALK ANGLES LEFT.
 EAST: "WAIT TO CROSS AIRPARK AT WOODFIELD ." CROSSWALK ANGLES SLIGHTLY RIGHT.
 WEST: "WAIT TO CROSS AIRPARK AT WOODFIELD". CROSSWALK ANGLES RIGHT.

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.	NONE		

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

CATEGORY	DESCRIPTION	UNITS	QUANTITY
CODE NO.			
120500	MAINTENANCE OF TRAFFIC	LS	1
585452	24 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKINGS	LF	65
800000	RELOCATE VIDEO DETECTION CAMERA	EA	4
813006	RELOCATE OVERHEAD SIGN	EA	4
860265	RELOCATE EXISTING SIGNAL HEAD	EA	9

WIRING DIAGRAM

SAME AS PREVIOUS PHASE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15a	16	17	18	19	20	21	22	23	24	25	26	27		
PHASE 1 AND 5	←			R	R	←	←	←	R	R	←	←	←	R	R	←	←	R	R	←	←	DW								
1 AND 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 AND 6 OR 2 AND 5 OR 2 AND 6																													
PHASE 1 AND 6	←			G	G	←	←	←	R	R	←	←	←	R	R	←	←	R	R	←	←	DW	WK	WK	DW	DW	DW	DW	DW	DW
PHASE 1 CHANGE	←			G	G	←	←	←	R	R	←	←	←	R	R	←	←	R	R	←	←	DW	DW							
PHASE 2 AND 5	←			R	R	←	←	←	G	G	←	←	←	R	R	←	←	R	R	←	←	DW	DW							
PHASE 2 CHANGE	←			R	R	←	←	←	G	G	←	←	←	R	R	←	←	R	R	←	←	DW	DW							
PHASE 2 AND 6	←			G	G	←	←	←	G	G	←	←	←	R	R	←	←	R	R	←	←	WK	WK	WK	WK	DW	DW	DW	DW	DW
PED CLEARANCE	←			G	G	←	←	←	G	G	←	←	←	R	R	←	←	R	R	←	←	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW	DW
2 AND 6 CHANGE	←			Y	Y	←	←	←	Y	Y	←	←	←	R	R	←	←	R	R	←	←	DW	DW							
PHASE 3 AND 7	←			R	R	←	←	←	R	R	←	←	←	R	R	←	←	R	R	←	←	DW	DW							
3 AND 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 AND 8 OR 4 AND 7 OR 4 AND 8																													
PHASE 3 AND 8	←			R	R	←	←	←	R	R	←	←	←	R	R	←	←	G	G	←	←	DW	DW							
PHASE 3 CHANGE	←			R	R	←	←	←	R	R	←	←	←	R	R	←	←	G	G	←	←	DW	DW							
PHASE 4 AND 7	←			R	R	←	←	←	R	R	←	←	←	G	G	←	←	R	R	←	←	DW	DW							
PHASE 7 CHANGE	←			R	R	←	←	←	R	R	←	←	←	G	G	←	←	R	R	←	←	DW	DW							
PHASE 4 AND 8	←			R	R	←	←	←	R	R	←	←	←	G	G	←	←	G	G	←	←	DW	DW							
4 AND 8 CHANGE	←			R	R	←	←	←	R	R	←	←	←	Y	Y	←	←	Y	Y	←	←	DW	DW							
PHASE 4 AND 8 ALT	←			R	R	←	←	←	R	R	←	←	←	G	G	←	←	G	G	←	←	DW	DW	DW	WK	WK	WK	WK	WK	
PED CLEARANCE	←			R	R	←	←	←	R	R	←	←	←	G	G	←	←	G	G	←	←	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW	
4 AND 8 ALT CHANGE	←			R	R	←	←	←	R	R	←	←	←	Y	Y	←	←	Y	Y	←	←	DW	DW							
FLASHING OPERATION	FL/←	BAGGED IN THIS PHASE OF CONSTRUCTION	FL/←	FL/↗	FL/↘	FL/←	FL/←	FL/←	FL/↗	FL/↘	FL/←	FL/←	FL/←	FL/↗	FL/↘	FL/←	FL/←	FL/↗	FL/↘	FL/←	FL/←	DARK	DARK							

BY: Aaron Hottenstein Division: 0101 Transportation

KCI TECHNOLOGIES
 ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS
 10 NORTH PARK DRIVE
 HUNT VALLEY, MD 21030
 PHONE: (410) 316-7800
 FAX: (410) 316-7817
 www.kci.com

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 124 (WOODFIELD ROAD) AND AIRPARK ROAD
 STAGE V

GENERAL INFORMATION SHEET

SCALE 1" = 20' DATE N/A CONTRACT NO. M06325171

DESIGNED BY AH COUNTY MONTGOMERY
 DRAWN BY AF LOGMILE 15012407.73
 CHECKED BY JFL TMS NO. H079
 FAP NO. AC-STP-1103(8)E TOD NO. AT288-73

TS NO. 2248-E DRAWING SP-12 OF 39 SHEET NO. 270 OF 377

PLOTTED: 02:58 PM on Tuesday, March 04, 2008
 FILE: M:\2007\01070459.dwg\drawings\p3g-N001E_MD124.dgn