

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE CONSTRUCTION OF A FINAL SIGNAL AT THE INTERSECTION OF MD 355 AND HUBBARD DRIVE IN MONTGOMERY COUNTY. MD 355 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A SEMI ACTUATED MODE USING SIX NEMA PHASES. AN EXCLUSIVE LEFT TURN PHASE WILL BE PROVIDED FOR NORTHBOUND AND SOUTHBOUND MD 355. HUBBARD DRIVE AND THE SHOPPING CENTER (EAST/WEST) STREETS WILL OPERATE CONCURRENTLY.

PEDESTRIAN OPERATION

NAVIGATOR AUDIBLE PEDESTRIAN PUSH BUTTON MOVEMENTS TO CROSS THE EAST, WEST AND SOUTH LEGS OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE BUTTON FOR AN EXTENDED TIME, THE PUSH BUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
 NORTH: "WAIT TO CROSS ROCKVILLE PIKE AT HUBBARD."
 EAST: "WAIT TO CROSS ENTRANCE TO MONTROSE CROSSING AT ROCKVILLE PIKE."
 WEST: "WAIT TO CROSS HUBBARD AT ROCKVILLE PIKE."

SPECIAL NOTES

1. THE 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. VERNON STINNETT, 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 CODE NO.	DESCRIPTION	UNITS	QUANTITY
NONE			

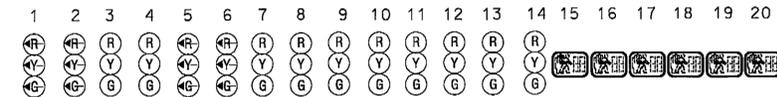
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
120500	MAINTENANCE OF TRAFFIC	LS	1
585621	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	760
585625	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	200
860265	RELOCATE EXISTING SIGNAL HEAD	EA	3

WIRING DIAGRAM

SAME AS PREVIOUS STAGE

PHASE CHART



PHASE 1 & 5	←	←	R	R	←	←	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 AND 6, OR 2 AND 5, OR 2 AND 6																					
PHASE 1 & 6	←	←	G	G	←	←	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 1 & 6 CHANGE	←	←	Y	Y	←	←	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 2 & 5	←	←	R	R	←	←	G	G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 2 & 5 CHANGE	←	←	R	R	←	←	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 2 & 6	←	←	G	G	←	←	G	G	R	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	
PED CLEARANCE	←	←	G	G	←	←	G	G	R	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	
2 & 6 CHANGE	←	←	Y	Y	←	←	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 4 & 8	←	←	R	R	←	←	R	R	G	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	
4 & 8 CHANGE	←	←	R	R	←	←	R	R	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	
PHASE 4 ALT & 8	←	←	R	R	←	←	R	R	G	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK	
PED CLEARANCE	←	←	R	R	←	←	R	R	G	G	G	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW	
4 ALT & 8 CHANGE	←	←	R	R	←	←	R	R	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	←	←	FY	FY	←	←	FY	FY	FR	DARK	DARK	DARK	DARK	DARK	DARK							

BY: Ardalan Faghri Division: 0101 Transportation

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS

10 NORTH PARK DRIVE
 HUNT VALLEY, MD 21030
 PHONE: (410) 316-7800
 FAX: (410) 316-7817
 www.kct.com

STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 355 AT HUBBARD DRIVE
 FINAL

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	NA	CONTRACT NO.	M08305171
DESIGNED BY	AMH	COUNTY	MONTGOMERY		
DRAWN BY	AF	LOGMILE	15035506.86		
CHECKED BY	JFL	TIMS NO.	G248		
FAP NO.	AC-STP-HP-1334(00)E	TOD NO.			
TS NO.	2690B	DRAWING	SP - 6 OF 41	SHEET NO.	10 OF 84

PLOTTED: *03:45 PM on Friday, February 20, 2009*
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