

**PROJECT DESCRIPTION
GENERAL**

THIS PROJECT INVOLVES RECONSTRUCTION OF EXISTING TRAFFIC SIGNALS AT THE INTERSECTION OF MD 124 (WOODFIELD ROAD) AT FIELDCREST ROAD/HADLEY FARMS 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. AN EXCLUSIVE LEFT TURN PHASE WILL BE PROVIDED FOR EASTBOUND AND WESTBOUND HADLEY FARMS DRIVE/ FIELDCREST ROAD.

PEDESTRIAN OPERATION

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

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.

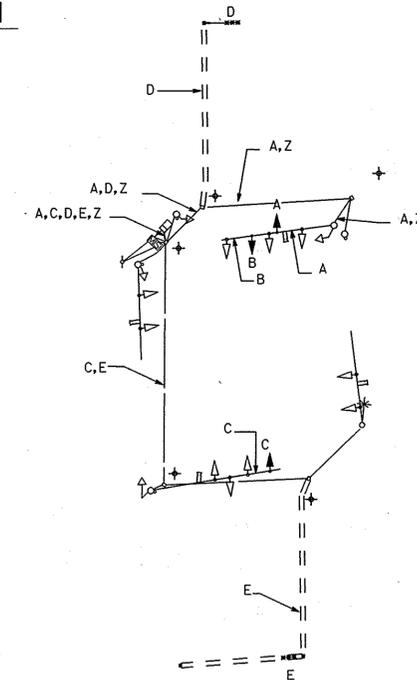
CATEGORY	DESCRIPTION	UNITS	QUANTITY
CODE NO. 973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: R3-5(L) (30"X 36") MAST ARM MOUNT - 1 EACH	SF	8

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	200
800000	RELOCATE VIDEO DETECTION CAMERA	EA	4
805115	3" SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	68
805135	3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	200
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	10
810550	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE	EA	1
810601	NON - INVASIVE DETECTOR, 500 FOOT LEAD IN CABLE	EA	1
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	3
813006	RELOCATE OVERHEAD SIGN	EA	1
860265	RELOCATE EXISTING SIGNAL HEAD	EA	10
860284	12" VEHICULAR LED TRAFFIC SIGNAL HEAD SECTION	EA	9
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	500
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	20

WIRING DIAGRAM

- B } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- A,C } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- D,E } MICROLOOP PROBE 500 FOOT LEAD IN CABLE
- Z } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE



PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
(R)																
(Y)																
(G)																

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R
PED CLEARANCE	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 3 AND 7	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 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	R	R	R	R	R	R	R	R	R	R	R
PHASE 3 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 4 AND 7	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4 CHANGE	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4 AND 8	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4 AND 8 ALT	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4 AND 8 ALT CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY

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 RD) AND FIELDCREST RD /HADLEY FARMS DRIVE
FINAL STAGE

GENERAL INFORMATION SHEET

SCALE	1" = 20'	DATE	NA	CONTRACT NO.	M06325171
DESIGNED BY	AH	COUNTY	MONTGOMERY		
DRAWN BY	AF	LOGMILE	15012408.87		
CHECKED BY	JFL	TIMS NO.	H079		
FAP NO.	AC-STP-1103(8)E	TOD NO.			
TS NO.	3976-C	DRAWING	SP-38 OF 39	SHEET NO.	296 OF 377