

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE CONSTRUCTION OF A TEMPORARY TRAFFIC SIGNAL WITH STREET LIGHTING AND INTERCONNECT AT THE INTERSECTION OF MONTROSE ROAD AND OLD OLD GEORGETOWN ROAD. OLD OLD GEORGETOWN ROAD IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

1. THE INTERSECTION WILL OPERATE IN A FULL-ACTUATED MODE USING THREE NEMA PHASES. NORTHBOUND AND SOUTHBOUND 'OLD' OLD GEORGETOWN ROAD MOVEMENTS WILL OPERATE CONCURRENTLY WITH CONCURRENT PEDESTRIAN MOVEMENTS. AN EXCLUSIVE LEFT TURN PHASE WILL BE PROVIDED FOR EASTBOUND MONTROSE ROAD AND CONCURRENT PEDESTRIAN PHASE. A SEPARATE PHASE WILL BE PROVIDED FOR NORTHBOUND 'OLD' OLD GEORGETOWN ROAD, AND EASTBOUND RIGHT TURN MONTROSE ROAD.

PEDESTRIAN OPERATION:

NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON MOVEMENTS TO CROSS THE NORTH, SOUTH, EAST, AND WEST 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: "WAIT TO CROSS OLD OLD GEORGETOWN AT MONTROSE." "CROSSWALK ANGLES LEFT"
 SOUTH: "WAIT TO CROSS OLD OLD GEORGETOWN AT MONTROSE." "CROSSWALK ANGLES RIGHT"
 EAST: "WAIT TO CROSS MONTROSE AT OLD OLD GEORGETOWN." "CROSSWALK ANGLES LEFT"
 WEST: "WAIT TO CROSS MONTROSE AT OLD OLD GEORGETOWN." "CROSSWALK ANGLES LEFT"

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. 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
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: R3-1(R) (30"x30") MAST ARM MOUNT - 1 EACH R3-5(L) (30"x36") MAST ARM MOUNT - 1 EACH	SF	14

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

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
120500	MAINTENANCE OF TRAFFIC	LS	1
114035	12" WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	180
800000	RELOCATE PEDESTAL POLE	EA	1
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	1
805135	3" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	12
813006	REMOVE OVERHEAD SIGNS	SF	30
813015	INSTALL OVERHEAD SIGNS	SF	14
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	10

SEQUENCE OF OPERATION SHEET
 TRAFFIC OPERATIONS SECTION
 DIVISION OF TRAFFIC ENGINEERING
 MONTGOMERY COUNTY, MARYLAND
 OLD OLD GEORGETOWN AND MONTROSE ROAD

INTERSECTION:

SIGNAL NO.	SIGNAL HEAD INDICATIONS				
	14	10,11	1,2,3,6,7	4,5,8,9,12,13,15	16,17,18,19,20,21,22,23,24,25
TOTAL:	1	2	5	7	10
LEGEND	(R) Y G ←	(R) Y G ←	(R) Y G ←	(R) Y G ←	12" LED COUNTDOWN PEDESTRIAN SIGNAL

SIGNAL NO.	SEQUENCE OF OPERATION												F L A S H
	1	2	3	4	5	6	7	8	9	10	11	12	
1	←	←	←	←	←	←	←	←	←	←	←	←	
2	←	←	←	←	←	←	←	←	←	←	←	←	
3	←	←	←	←	←	←	←	←	←	←	←	←	
4	G	G	Y	R	R	R	R	R	R	G	Y	R	Y
5	G	G	Y	R	R	R	R	R	R	G	Y	R	Y
6	BAGGED IN THIS PHASE												
7	BAGGED IN THIS PHASE												
8	G	G	Y	R	R	R	R	R	R	R	R	R	Y
9	G	G	Y	R	R	R	R	R	R	R	R	R	Y
10	R	R	R	R	G	G	Y	R	R	R	R	R	Y
11	R	R	R	R	G	G	Y	R	R	R	R	R	Y
12	R	R	R	R	G	G	Y	R	R	R	R	R	Y
13	R	R	R	R	G	G	Y	R	R	R	R	R	Y
14	BAGGED IN THIS PHASE												
15	BAGGED IN THIS PHASE												
16	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DAWK
17	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DAWK
18	BAGGED IN THIS PHASE												
19	BAGGED IN THIS PHASE												
20	DW	DW	DW	DW	WV	FLWV	DW	DW	DW	DW	DW	DW	DAWK
21	DW	DW	DW	DW	WV	FLWV	DW	DW	DW	DW	DW	DW	DAWK
22	WV	FLWV	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DAWK
23	WV	FLWV	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DAWK
24	WV	FLWV	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DAWK
25	WV	FLWV	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DAWK
PHASE	2 AND 6	ALL RED	3	ALL RED	2 AND 5	ALL RED							

NOTES:

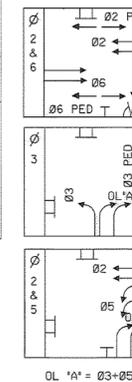
SUBMITTED: _____ CHECKED: _____ APPROVED: _____
 IN SERVICE BY: _____ DATE: _____ TIME: _____



OLD OLD GEORGETOWN ROAD IS ASSUMED TO RUN IN AN NORTH/SOUTH DIRECTION

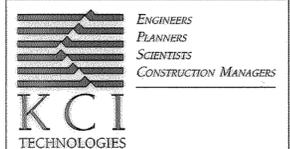
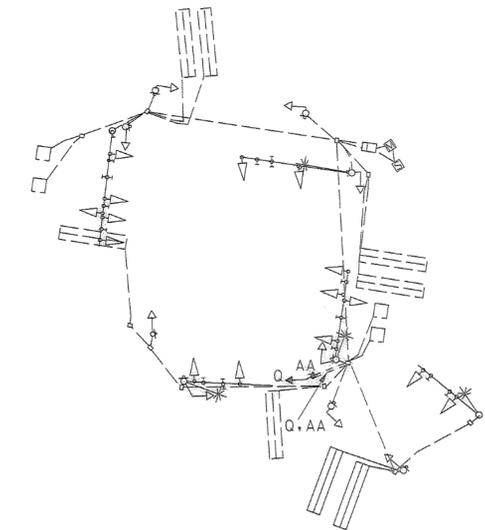
NO. _____ OF _____
 SHT. OF

PHASING



KEY

- Q } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- AA } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY:	AMH	DATE
1	MD 355 INTERCHANGE	MO 8305171		7/17/09	DRAWN BY:	YRJ	DATE
					CHECKED BY:	JFL	DATE
					DRAWING NO.:		
					Approved:		
					Chief, Division of Traffic Engineering		
					Reviewed:		
					Manager, Traffic Engineering Studies		
					Reviewed:		
					Manager, Transportation Systems Engineering		
					Recommended:		
					Engineer, Transportation Systems Engineering		

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRAFFIC ENGINEERING & OPERATIONS
 MONTGOMERY COUNTY, MARYLAND

MD 355 AT MONTROSE RD./RANDOLPH RD.
 FROM 'OLD' OLD GEORGETOWN RD. TO MAPLE/CHAPMAN AVE.
 (DESIGN-BUILD)

MONTROSE ROAD AT 'OLD' OLD GEORGETOWN ROAD
 STAGE 6

TMS # G248
 TS 10909A