

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE CONSTRUCTION OF A NEW 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 FOUR NEMA PHASES. NORTHBOUND AND SOUTHBOUND "OLD" OLD GEORGETOWN ROAD MOVEMENTS WILL OPERATE CONCURRENTLY WITH CONCURRENT PEDESTRIAN MOVEMENTS. AN EXCLUSIVE LEFT TURN WILL BE PROVIDED FOR NORTHBOUND "OLD" OLD GEORGETOWN ROAD WITH AN EASTBOUND RIGHT TURN OVERLAPP.

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.
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
	GROUND MOUNTED SIGNS CONSISTING OF:		
	M3-1 (24"x12")	1-EACH	
	M1-5 (30"x24")	1-EACH	
	M6-1 (21"x15")	1-EACH	
		SF	15

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

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
120500	MAINTENANCE OF TRAFFIC	LS	1
800000	REMOVE OVERHEAD SIGN	SF	11
585621	12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	500
585625	24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	120
585627	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS	SF	16
860284	12" VEHICULAR LED TRAFFIC SIGNAL HEAD SECTION	EA	15
801607	INSTALL SHEET ALUMINUM SIGNS	SF	15
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	350
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)	LF	350

SEQUENCE OF OPERATION SHEET
TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MARYLAND

INTERSECTION: OLD OLD GEORGETOWN AND MONTROSE ROAD

SIGNAL NO.	SIGNAL HEAD INDICATIONS			
	10,11	1,2,3, 6,7,14,15	4,5,8,9,12, 13,16,17	18,19,20,21, 22,23,24,25,26,27
TOTAL:	2	5	8	10

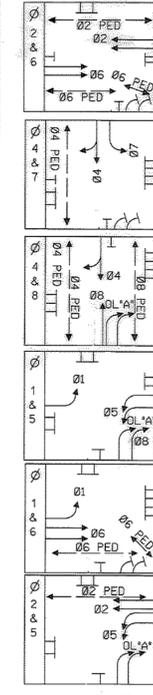
LEGEND	12"	12"	12"	12" LED COUNTDOWN PEDESTRIAN SIGNAL
□ OPTICALLY LIMITED				
R RED				
Y YELLOW				
G GREEN				
← ARROW				
F FLASHING				

SIGNAL NO.	SEQUENCE OF OPERATION																							FLASH
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
2	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
3	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
4	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
5	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
6	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
7	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
8	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
9	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
10	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
11	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
12	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
13	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
14	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
15	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
16	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
17	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
18	DW	DW	DW	DW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
19	DW	DW	DW	DW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
20	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
21	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
22	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
23	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
24	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
25	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
26	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
27	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
PHASE	2 AND 6	ALL RED	4 AND 7	ALL RED	4 AND 8	ALL RED	1 AND 5	ALL RED	1 AND 6	ALL RED	2 AND 5	ALL RED												

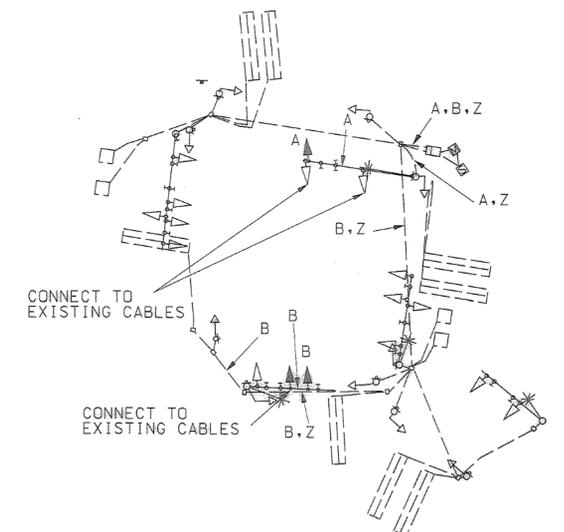
NOTES:

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

NO. _____ SHT. OF PHASING

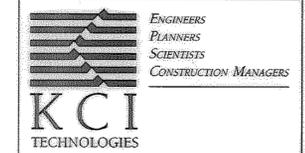


KEY
A,B } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
Z } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE



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

PLOTTER: 10851 AM 01/11/09 10:00 AM
BY: M.A.2001.0101071048.VF.CW108.VPSC-N27.05.MD355.dgn



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY:	AMH	DATE	N/A
1	MD 355 INTERCHANGE MO 8305171			7/17/09	DRAWN BY:	YRJ	DATE	N/A
					CHECKED BY:	JFL	DATE	N/A
					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 FINAL STAGE	
SP - 29 OF 41	SHEET 33 OF 84

TMS # G248
TS 10909A