PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES RECONSTRUCTION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF RANDOLPH ROAD AT CHAPMAN AVENUE/ MAPLE AVENUE IN MONTGOMERY COUNTY. RANDOLPH ROAD IS ASSUMED TO RUN IN A EAST WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A SEMI-ACTUATED MODE USING SIX NEMA PHASES. EXCLUSIVE LEFT TURNS WILL BE PROVIDED FOR EASTBOUND, WESTBOUND RANDOLPH ROAD.
SPLIT PHASING WILL BE PROVIDED FOR NORTHBOUND MAPLE AVENUE AND SOUTHBOUND CHAPMAN AVENUE.

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 CHAPMAN AT RANDOLPH."
SOUTH: "WAIT TO CROSS MAPLE AT RANDOLPH."
EAST AND WEST: "WAIT TO CROSS RANDOLPH AT CHAPMAN."

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

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" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	120
585625	24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	560
860265	RELOCATE EXISTING SIGNAL HEAD	EA	1

MONTROSE PARKWAY/ RANDOLPH ROAD RUNS IN A EAST/WEST DIRECTION

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

INTERSECTION: MONTROSE PARKWAY/ RANDOLPH ROAD AND CHAPMAN AVENUE/ MAPLE AVENUE

NO. ____ SHT. ____ OF ____

SIGNAL HEAD INDICATIONS

SIGNAL NO.	1,2,4,5	3,6,9,12	7,8,10,11	13,14,15,16,17,18,19,20
TOTAL:	4	4	4	8
	12"	12"	12"	12" LED COUNTDOWN PEDESTRIAN SIGNAL

LEGEND
OPTICALLY LIMITED
R RED
Y YELLOW
G GREEN
← ARROW
F FLASHING

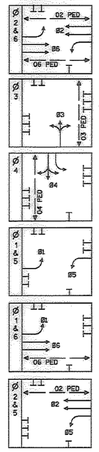
SEQUENCE OF OPERATION

SIGNAL NO.	INTERVAL 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	FLASH
1	G	G	Y	R	R	R	R	R	R	R	R	R	R	←R	←R	R	←G	←G	G	R	R	R	R	FLR
2	G	G	Y	R	R	R	R	R	R	R	R	R	R	←R	←R	R	←G	←G	G	R	R	R	R	FLR
3	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	R	R	R	R	FLR
4	G	G	Y	R	R	R	R	R	R	R	R	R	R	←R	←R	R	R	R	R	←G	←G	G	FLR
5	G	G	Y	R	R	R	R	R	R	R	R	R	R	←R	←R	R	R	R	R	←G	←G	G	FLR
6	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	FLR
7	R	R	R	R	←G	←G	←G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FLR
8	R	R	R	R	←G	←G	←G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FLR
9	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FLR
10	R	R	R	R	R	R	R	R	←G	←G	←G	←G	Y	R	R	R	R	R	R	R	R	R	FLR
11	R	R	R	R	R	R	R	R	←G	←G	←G	←G	Y	R	R	R	R	R	R	R	R	R	FLR
12	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	FLR
13	DW	EDW	DW	DW	DW	DW	DW	DW	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
14	DW	EDW	DW	DW	DW	DW	DW	DW	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
15	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	DW	DW	DW	DW	DARK
16	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	DW	DW	DW	DW	DARK
17	DW	DW	DW	DW	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
18	DW	DW	DW	DW	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
19	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	WK	DARK
20	WK	EDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	WK	DARK
PHASE	2&6			ALL RED	3			ALL RED	4				ALL RED	1&5		ALL RED	1&6		ALL RED	2&5		ALL RED		

NOTES:

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

PHASING



WIRING DIAGRAM

SAME AS PREVIOUS STAGE

MONTROSE PARKWAY/ RANDOLPH ROAD IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

SHEET NO. ____ OF ____

KCI TECHNOLOGIES
ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS

NO.	REVISION	BY	APP'D	DATE
1	MD 355 INTERCHANGE MO 8305171			7/17/09

DESIGNED BY: AMH DATE N/A
DRAWN BY: YRJ/JVB 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 PARKWAY/RANDOLPH ROAD AT MAPLE AVE./CHAPMAN AVE.
PHASE 2, STAGE 6, FINAL
TRAFFIC SIGNAL PLAN

TIMS # G248
TS 10895A

SP - 41 OF 41 SHEET 45 OF 84

PLOTTED: *9:36 AM on Tuesday, March 03, 2009*
BY: Arcelon Fagharl Division 0101 Transportation
FILE: M:\2007\07070\dgn\drawings\SC-N264_MD355.dgn