

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Tuckerman (North)
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (11)

Scenario	Total Future Alternative II		
Peak Hour or Period	AM Peak Hour (- am)		
Northbound Approach	Rockville Pike	Split Phase (Y)es/(N)o	N
Southbound Approach	Rockville Pike		
Eastbound Approach	Tuckerman (north)	Split Phase (Y)es/(N)o	Y
Westbound Approach	Tuckerman (north)		

Intersection CLV 1245
Level of Service C

From NORTH (Southbound)

Rockville Pike

R	Right	Thru	Left	=VPH
^	369	1,917	264	
R	1	3	1	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 809.29
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)

Tuckerman (north)

	VPH	#Lanes
Left	313	0
Thru	505	3
Right	255	1
R	CLV(W)= 302.66	

From EAST (Westbound)

Tuckerman (north)

	#Lanes	VPH	R
Right			
Thru	2	132	
Left	1	18	
2	CLV(E)= 69.96		

SB CLV (N-S)= 871.91
 CLV (E-W)= 372.62
 SUM CLV= 1244.53 ok
 LOS= C EB =>

CLV(S): (ok-under 1,525)
 871.91 <- ^ ->

# Lanes=	1	3	0
VPH=	100	1,562	81
	Left	Thru	Right

NB ^--
 <--
 v--

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

If Split Phase:E-W!!
 Use "N" or "Y": Y

Rockville Pike

From SOUTH (Northbound)

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Tuckerman (North)
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (11)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Rockville Pike	Split Phase (Y)es/(N)o	N
Southbound Approach	Rockville Pike		
Eastbound Approach	Tuckerman (north)	Split Phase (Y)es/(N)o	Y
Westbound Approach	Tuckerman (north)		

Intersection CLV	1305.2	From NORTH (Southbound)		<- If Split Phase:N-S!! Use "N" or "Y": N																																																				
Level of Service	C/D	Rockville Pike																																																						
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		ON LY CLV(N): for <- V -> 813.23 RTOR																																																						
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Project Name: National Navy Medical Center
Intersection: Rockville Pike & Tuckerman (South)
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I3)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Tuckerman (south)
Westbound Approach Tuckerman (south)

Split Phase (Y)es/(N)o N

Intersection CLV 1099
Level of Service B

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	0	2452	4	
R	0	3	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 907.24
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Tuckerman (south)

	VPH	#Lanes	
Left	0	0	--^
Thru	0	0	-->
Right	0	0	--v
R	CLV(W)=	191.33	

 SB CLV (N-S)= 907.24
 CLV (E-W)= 191.33
 || -----
 V SUM CLV= 1098.6 ok
 LOS= B EB => 2

From EAST (Westbound) 2
Tuckerman (south)

	#Lanes	VPH	R
NB ^--	1	13	Right
<--	0	0	Thru
v--	2	361	Left
	CLV(E)=	0	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 590.82 <- ^ ->
 | | |
 # Lanes= 0 3
 VPH= 0 1586

Left	Thru	Right	R
------	------	-------	---

Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Tuckerman (South)
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (13)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Rockville Pike	Split Phase (Y)es/(N)o	N
Southbound Approach	Rockville Pike		
Eastbound Approach	Tuckerman (south)	Split Phase (Y)es/(N)o	N
Westbound Approach	Tuckerman (south)		

Intersection CLV 1140
Level of Service B/C

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	0	2013	10	
R	0	3	1	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 744.81
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
Tuckerman (south)

	VPH	#Lanes	
Left	0	0	--^
Thru	0	0	-->
Right	0	0	--v
R	CLV(W)= 120.31		

2 <= WB [receiving lanes]
 ^
 ||
 NB ^--
 <--
 v--
 2 LOS= B/C EB => 2

From EAST (Westbound)
Tuckerman (south)

	#Lanes	VPH	R
NB ^--	1	6	Right
<--	0	0	Thru
v--	2	227	Left
	CLV(E)= 0		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 1019.7 <- ^ ->
 | | |
 # Lanes= 0 3
 VPH= 0 2492 237

Left	Thru	Right	R
------	------	-------	---

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

From SOUTH (Northbound)

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Grosvenor Lane
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I2)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Grosvenor Lane
Westbound Approach Grosvenor Lane

Split Phase (Y)es/(N)o N

Intersection CLV 1331
Level of Service D

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	246	2533	0	
R	1	3	0	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 937.21
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Grosvenor Lane

	VPH	#Lanes	
Left	144	2	--^
Thru	0	0	-->
Right		0	--v

 R CLV(W)= 393.79

From EAST (Westbound) 2
Grosvenor Lane

	#Lanes	VPH	R
NB ^--			Right
<--	1	187	Thru
v--	2	743	Left

 CLV(E)= 263.32

CLV(S): (ok-under 1,525)
 505.79 <- ^ ->
 | | |
 # Lanes= 0 3 1
 VPH= 0 1367 1

Left	Thru	Right	R
------	------	-------	---

Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

If Split Phase:E-W!!
 Use "N" or "Y": N

Project Name: National Navy Medical Center
Intersection: Rockville Pike and Grosvenor Lane
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I2)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Grosvenor Lane
Westbound Approach Gorsvenor Lane

Split Phase (Y)es/(N)o N

Intersection CLV 1095.2
Level of Service B

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	180	2071	0	
R	1	3	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	766.27
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Grosvenor Lane

	VPH	#Lanes
Left	174	2
Thru	0	0
Right		
R	CLV(W)= 135.68	

CLV (N-S)= 794.02
 CLV (E-W)= 301.22
 SUM CLV= 1095.2 ok
 LOS= B EB => 2

From EAST (Westbound) 2
Gorsvenor Lane

	#Lanes	VPH	R
NB ^--			Right
<--	1	209	Thru
v--	2	256	Left
	CLV(E)= 301.22		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
794.02 <- ^ ->

# Lanes=	0	3	1
VPH=	0	2146	0
	Left	Thru	Right

Rockville Pike

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Pooks Hill Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]AM Peak (14)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Pooks Hill Road
Westbound Approach Pooks Hill Road

Split Phase (Y)es/(N)o N

Intersection CLV 1562
Level of Service E

From NORTH (Southbound)
Rockville Pike

	Right	Thru	Left	
^	129	3514	0	=VPH
R	1	3	0	=#Lanes
ON LY				CLV(N):
for <-	V	->		1370.2
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Pooks Hill Road

	VPH	#Lanes		CLV (N-S)=	1370.2
Left	362	2	--^ SB	CLV (E-W)=	191.86
Thru	0	0	-->	-----	
Right	155		--v V	SUM CLV=	1562 *
R	CLV(W)=	155	2	LOS=	E EB =>

From EAST (Westbound) 2
Pooks Hill Road

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
	CLV(E)=	191.86	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): *->over 1,525!!
 613.46 <- ^ ->

# Lanes=	1	3	0
VPH=	70	1658	0
	Left	Thru	Right

Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Pooks Hill Road
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (14)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Pooks Hill Road
Westbound Approach Pooks Hill Road

Split Phase (Y)es/(N)o N

Intersection CLV **1428.8**
Level of Service **D/E**

From NORTH (Southbound)
Rockville Pike

	Right	Thru	Left	
^	384	2868	3	=VPH
R	1	3	0	=#Lanes
ON LY				CLV(N):
for <-	V	->		1133.3
RTOR				

<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Pooks Hill Road

	VPH	#Lanes	
Left	378	2	--^
Thru	0	0	-->
Right			--v
R	CLV(W)=	0	

CLV (N-S)= 1228.4
 CLV (E-W)= 200.34
 || -----
 V SUM CLV= 1428.8 ok
 2 LOS= D/E EB => 2

From EAST (Westbound) 2
Pooks Hill Road

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
	CLV(E)=	200.34	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
1228.4 <- ^ ->

# Lanes=	1	3	0
VPH=	71	3312	0
	Left	Thru	Right

Rockville Pike

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & West Cedar Lane
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (15)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach West Cedar Lane
Westbound Approach West Cedar Lane

Split Phase (Y)es/(N)o Y

Intersection CLV 1988
Level of Service F

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	
^		3134	187	=VPH
R		3	1	=#Lanes
ON LY				CLV(N):
for	<-	V	->	1242.6
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
West Cedar Lane

	VPH	#Lanes			
Left	120	0	--^	SB	CLV (N-S)= 1242.6
Thru	306	3	-->		CLV (E-W)= 745.55
Right	283		--v	V	SUM CLV= 1988.1 *
R	CLV(W)= 262.33			3	LOS= F

From EAST (Westbound) 3
West Cedar Lane

	#Lanes	VPH	R
NB ^--	0	152	Right
<--	3	377	Thru
v--	0	777	Left
	CLV(E)= 483.22		

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): *->over 1,525!!
 838.2 <- ^ ->
 | | |
 # Lanes=

1	3	
---	---	--

 VPH=

83	1630	130
----	------	-----

Left	Thru	Right
------	------	-------

 R

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & West Cedar Lane
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (15)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Rockville Pike	Split Phase (Y)es/(N)o	N
Southbound Approach	Rockville Pike		
Eastbound Approach	West Cedar Lane	Split Phase (Y)es/(N)o	Y
Westbound Approach	West Cedar Lane		

Intersection CLV 2065.5
Level of Service F

From NORTH (Southbound)

Rockville Pike

R	Right	Thru	Left	
^		1798	160	=VPH
R		3	1	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 951.26
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)

West Cedar Lane

	VPH	#Lanes
Left	334	0
Thru	747	3
Right	252	
R	CLV(W)= 493.21	

2 <= WB [receiving lanes]

CLV (N-S)= 1424.66
 CLV (E-W)= 640.84

 SUM CLV= 2065.5 *
 LOS= F EB =>

From EAST (Westbound)

West Cedar Lane

	#Lanes	VPH	R
NB ^--	0	81	Right
<--	3	165	Thru
v--	0	153	Left
	CLV(E)= 147.63		

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): *->over 1,525!!
 1424.66 <- ^ ->
 | | |
 # Lanes=

1	3	
---	---	--

 VPH=

286	2999	419
Left	Thru	Right

 R

Rockville Pike

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Old Georgetown Road & West Cedar Lane
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]AM Peak (I22)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach	Old Georgetown Rd.	Split Phase (Y)es/(N)o	N
Southbound Approach	Old Georgetown Rd.		
Eastbound Approach	West Cedar Lane	Split Phase (Y)es/(N)o	N
Westbound Approach	West Cedar Lane		

Intersection CLV 1323
Level of Service D

From NORTH (Southbound)
Old Georgetown Rd.

R	Right	Thru	Left	=VPH
^	20	2431	373	
R	0	3	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 915.87
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
West Cedar Lane

	VPH	#Lanes	
Left	30	0	--^
Thru	31	1	-->
Right	24	0	--v
R	CLV(W)= 407		

2 <= WB [receiving lanes]
 CLV (N-S)= 915.87
 CLV (E-W)= 407
 || -----
 V SUM CLV= 1322.9 ok
 LOS= D EB => 2

From EAST (Westbound)
West Cedar Lane

	#Lanes	VPH	R
NB ^--	0	150	Right
<--	1	22	Thru
v--	1	322	Left
	CLV(E)= 202		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 802.94 <- ^ ->
 | | |
 # Lanes=

1	3	0
---	---	---

 VPH=

9	960	202
Left	Thru	Right

 R

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Old Georgetown Rd.
From SOUTH (Northbound)

Project Name: National Navy Medical Center
Intersection: Old Georgetown Road & West Cedar Lane
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I22)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Old Georgetown Rd.
Southbound Approach Old Georgetown Rd.

Split Phase (Y)es/(N)o N

Eastbound Approach West Cedar Lane
Westbound Approach West Cedar Lane

Split Phase (Y)es/(N)o N

Intersection CLV **1857.3**
Level of Service **F**

From NORTH (Southbound)
Old Georgetown Rd.

R	Right	Thru	Left	
^	44	1381	447	=VPH
R	0	3	1	=#Lanes
ON LY				CLV(N):
for	<-	V	->	576.25
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
West Cedar Lane

	VPH	#Lanes		CLV (N-S)= 1432.3
Left	30	0	--^	SB CLV (E-W)= 425
Thru	47	1	-->	-----
Right	23	0	--v	V SUM CLV= 1857.3 *
R	CLV(W)= 323			2 LOS= F EB => 2

From EAST (Westbound) 2
West Cedar Lane

	#Lanes	VPH	R
NB ^--	0	351	Right
<--	1	44	Thru
v--	1	223	Left
	CLV(E)= 425		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): *->over 1,525!!
 1432.3 <- ^ ->

# Lanes=	1	3	0
VPH=	49	2161	502
	Left	Thru	Right

Old Georgetown Rd.
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: West Drive & West Cedar Lane
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I21)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach West Dr.
Southbound Approach West Dr.

Split Phase (Y)es/(N)o N

Eastbound Approach West Cedar Lane
Westbound Approach West Cedar Lane

Split Phase (Y)es/(N)o N

Intersection CLV 626
Level of Service A

From NORTH (Southbound)
West Dr.

R	Right	Thru	Left	=VPH
^	12	0	13	
R	0	1	0	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 25
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

From EAST (Westbound) 2

West Cedar Lane

	VPH	#Lanes	
Left	8	0	--^
Thru	661	2	-->
Right	16	0	--v

 SB CLV (N-S)= 25
 CLV (E-W)= 601
 || -----
 V SUM CLV= 626 ok
 LOS= A EB => 2
 R CLV(W)= 380.05

West Cedar Lane

	#Lanes	VPH	R
NB ^--	0	18	Right
<--	1	575	Thru
v--	1	17	Left

 CLV(E)= 601

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 14 <- ^ ->
 | | |
 # Lanes= 0 0 0
 VPH= 0 0 1

Left	Thru	Right	R
------	------	-------	---

West Dr.

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

From SOUTH (Northbound)

Project Name: National Navy Medical Center
Intersection: West Drive & West Cedar Lane
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I21)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach West Dr.
Southbound Approach West Dr.

Split Phase (Y)es/(N)o N

Eastbound Approach West Cedar Lane
Westbound Approach West Cedar Lane

Split Phase (Y)es/(N)o N

Intersection CLV 692
Level of Service A

From NORTH (Southbound)
West Dr.

R	Right	Thru	Left	=VPH
^	12	0	16	
R	0	1	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	28
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
West Cedar Lane

	VPH	#Lanes		CLV (N-S)=	28
Left	30	0	--^	SB	CLV (E-W)=
Thru	926	2	-->		-----
Right	0	0	--v	V	SUM CLV=
R	CLV(W)=	506.68		2	LOS= A

From EAST (Westbound) 2
West Cedar Lane

	#Lanes	VPH	R
NB ^--	0	20	Right
<--	1	614	Thru
v--	1	0	Left
	CLV(E)=	664	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
16 <- ^ ->

# Lanes=	0	0	0
VPH=	0	0	0
	Left	Thru	Right

West Dr.

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & North Drive
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (16)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach North Drive
Westbound Approach North Drive

Split Phase (Y)es/(N)o N

Intersection CLV 1605
Level of Service E/F

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	386	3949	0	
R	0	3	0	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 1604
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

North Drive

	VPH	#Lanes	
Left	0	0	--^
Thru	0	0	-->
Right	1	1	--v
R	CLV(W)=	1	

CLV (N-S)= 1604
 CLV (E-W)= 1
 SUM CLV= 1605 *
 LOS= E/F EB => 2

From EAST (Westbound) 2

North Drive

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
	CLV(E)=	0	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): *->over 1,525!!
 567.21 <- ^ ->

# Lanes=	0	3	0
VPH=	0	1533	0
	Left	Thru	Right

Rockville Pike

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

From SOUTH (Northbound)

Project Name: National Navy Medical Center
Intersection: Rockville Pike & North Drive
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (16)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Rockville Pike	Split Phase (Y)es/(N)o	N
Southbound Approach	Rockville Pike		
Eastbound Approach	North Drive	Split Phase (Y)es/(N)o	N
Westbound Approach	North Drive		

Intersection CLV 1367.9
Level of Service D

From NORTH (Southbound)
Rockville Pike

	Right	Thru	Left	
^	6	2132	0	=VPH
R	0	3	0	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 791.06
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
North Drive

	VPH	#Lanes	
Left	0	0	--^
Thru	0	0	-->
Right	50	1	--v
R	CLV(W)=	0	

2 <= WB [receiving lanes]
 ^
 ||
 NB ^--
 <--
 v--
 CLV(N-S)= 1367.9
 CLV (E-W)= 0
 SUM CLV= 1367.9 ok
 LOS= D EB => 2

From EAST (Westbound)
North Drive

	#Lanes	VPH	R
Right	0	0	
Thru	0	0	
Left	0	0	
CLV(E)=	0		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 1367.9 <- ^ ->
 | | |
 # Lanes= 0 3 0
 VPH= 0 3697 0

Left	Thru	Right	R
------	------	-------	---

Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & North Wood Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (17)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach North Wood Road
Westbound Approach North Wood Road

Split Phase (Y)es/(N)o N

Intersection CLV 1401
Level of Service D

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	0	3106	844	
R	0	3	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 1149.2
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
North Wood Road

	VPH	#Lanes
Left	0	0
Thru	0	0
Right	0	0
R	CLV(W)= 0	

2 <= WB [receiving lanes]

CLV (N-S)= 1382
 CLV (E-W)= 19
 SUM CLV= 1401 ok
 LOS= D EB => 2

From EAST (Westbound)
North Wood Road

	#Lanes	VPH	R
NB ^--	0	19	Right
<--	1	0	Thru
v--	0	0	Left
	CLV(E)= 19		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 1382 <- ^ ->
 | | |
 # Lanes= 0 3 0
 VPH= 0 1452 2

Left	Thru	Right	R
------	------	-------	---

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Rockville Pike
From SOUTH (Northbound)

Project Name: National Navy Medical Center
Intersection: Rockville Pike & North Wood Road
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (17)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach North Wood Road
Westbound Approach North Wood Road

Split Phase (Y)es/(N)o N

Intersection CLV **1544.1**
Level of Service **E**

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	
^	0	2253	150	=VPH
R	0	3	1	=#Lanes
ON LY				CLV(N):
for	<-	V	->	833.61
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
North Wood Road

	VPH	#Lanes		CLV (N-S)= 1348.1
Left	0	0	--^	SB CLV (E-W)= 196
Thru	0	0	-->	-----
Right	0	0	--v	V SUM CLV= 1544.1 *
R	CLV(W)= 2			2 LOS= E EB => 2

From EAST (Westbound) 2
North Wood Road

	#Lanes	VPH	R
NB ^--	1	346	Right
<--	1	2	Thru
v--	0	2	Left
	CLV(E)= 196		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): *->over 1,525!!
 1348.1 <- ^ ->

# Lanes=	0	3	0
VPH=		3235	3
	Left	Thru	Right R

Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Wilson Drive
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (18)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Wilson Drive
Westbound Approach Wilson Drive

Split Phase (Y)es/(N)o N

Intersection CLV 1446
Level of Service D/E

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	
^	387	2846	2	=VPH
R	0	3	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	1395
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

Wilson Drive

	VPH	#Lanes	
Left	51	0	--^
Thru	0	2	-->
Right	6	0	--v
CLV(W)=		30.21	

CLV (N-S)= 1395
 CLV (E-W)= 51
 || -----
 V SUM CLV= 1446 ok
 2 LOS= D/E EB => 2

From EAST (Westbound) 2

Wilson Drive

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
CLV(E)=		51	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
541.83 <- ^ ->

# Lanes=	1	3	0
VPH=	198	1459	0
	Left	Thru	Right

Rockville Pike

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Wilson Drive
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (18)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Wilson Drive
Westbound Approach Wilson Drive

Split Phase (Y)es/(N)o N

Intersection CLV **1589.3**
Level of Service **E/F**

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	
^	37	2308	4	=VPH
R	0	3	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	869.13
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

Wilson Drive

	VPH	#Lanes			CLV (N-S)= 1036.3
Left	553	0	--^	SB	CLV (E-W)= 553
Thru	0	2	-->		-----
Right	20	0	--v	V	SUM CLV= 1589.3 *
CLV(W)= 303.69			2	LOS= E/F	EB => 2

From EAST (Westbound) 2

Wilson Drive

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
CLV(E)= 553			

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): *->over 1,525!!
 1036.3 <- ^ ->

# Lanes=	1	3	0
VPH=	0	2787	3
	Left	Thru	Right

Rockville Pike

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & South Wood Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I9)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach South Wood Road
Westbound Approach South Wood Road

Split Phase (Y)es/(N)o N

Intersection CLV 1188
Level of Service C

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	196	2414	122	
R	0	3	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 1069.7
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
South Wood Road

	VPH	#Lanes
Left	55	0
Thru	21	1
Right	54	1
CLV(W)=		118

2 <= WB [receiving lanes]
 CLV (N-S)= 1069.7
 CLV (E-W)= 118
 SUM CLV= 1187.7 ok
 LOS= C EB => 2

From EAST (Westbound)
South Wood Road

	#Lanes	VPH	R
NB ^--	1	191	Right
<--	1	11	Thru
v--	0	42	Left
CLV(E)=		108	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 584.13 <- ^ ->
 | | |
 # Lanes=

1	3	0
---	---	---

 VPH=

104	1095	154
Left	Thru	Right

 R

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Rockville Pike
From SOUTH (Northbound)

Project Name: National Navy Medical Center
Intersection: Rockville Pike & South Wood Road
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (19)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)
Northbound Approach Rockville Pike
Southbound Approach Rockville Pike **Split Phase (Y)es/(N)o** N
Eastbound Approach South Wood Road **Split Phase (Y)es/(N)o** N
Westbound Approach South Wood Road

Intersection CLV 1234.2
Level of Service C

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	97	2036	83	
R	0	3	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 880.21
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
South Wood Road

	VPH	#Lanes
Left	170	0
Thru	22	1
Right	72	1
CLV(W)=		289

2 <= WB [receiving lanes]
 CLV (N-S)= 880.21
 CLV (E-W)= 354
 SUM CLV= 1234.2 ok
 LOS= C EB => 2

From EAST (Westbound)
South Wood Road

	#Lanes	VPH	R
NB ^--	1	267	Right
<--	1	18	Thru
v--	0	97	Left
CLV(E)=		354	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 879.24 <- ^ ->
 | | |
 # Lanes=

1	3	0
---	---	---

 VPH=

91	2070	82
Left	Thru	Right

 R
Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Jones Bridge Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I10)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o Y

Intersection CLV 1365
Level of Service D

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	119	2164	284	
R	0	3	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 933.71
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Jones Bridge Road

	VPH	#Lanes	
Left	17	0	--^
Thru	12	2	-->
Right	29	1	--v
R	CLV(W)=	15.37	

 SB CLV (N-S)= 933.71
 CLV (E-W)= 431.25
 || -----
 V SUM CLV= 1365 ok
 LOS= D EB => 2

From EAST (Westbound) 2
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	1	241	Right
<--	3	309	Thru
v--	0	815	Left
	CLV(E)=	415.88	

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): (ok-under 1,525)
 737.25 <- ^ ->
 | | |
 # Lanes=

1	3	1
---	---	---

 VPH=

89	1225	
Left	271	Right

 R
Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Jones Bridge Road
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I10)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Rockville Pike	Split Phase (Y)es/(N)o	N
Southbound Approach	Rockville Pike		
Eastbound Approach	Jones Bridge Road	Split Phase (Y)es/(N)o	Y
Westbound Approach	Jones Bridge Road		

Intersection CLV 1721.9
Level of Service F

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	12	1616	557	
R	0	3	1	=#Lanes

ON LY | | | CLV(N):
for <- V -> 622.36
RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	178	0	--^
Thru	276	2	-->
Right	79	1	--v
R	CLV(W)= 240.62		

2 <= WB [receiving lanes]
 CLV (N-S)= 1305.1
 CLV (E-W)= 416.74
 || -----
 V SUM CLV= 1721.9 *
 LOS= F EB => 2

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	1	296	Right
<--	3	12	Thru
v--	0	464	Left
	CLV(E)= 176.12		

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): *->over 1,525!!
 1305.1 <- ^ ->
 | | |
 # Lanes= 1 3 1
 VPH= 20 2022 682
 Left Thru Right R

Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Gunnel Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I23)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Gunnel Road
Southbound Approach Gunnel Road

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV 1095
Level of Service B

From NORTH (Southbound)
Gunnel Road

R	Right	Thru	Left	
^	63	0	146	=VPH
R	0	1	0	=#Lanes

ON LY | | | CLV(N):
for <- V -> 214
RTOR

<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	57	1	--^
Thru	786	2	-->
Right	5	0	--v
R	CLV(W)= 422.23		

2 <= WB [receiving lanes]

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	0	332	Right
<--	2	1222	Thru
v--	1	3	Left
	CLV(E)= 880.62		

CLV(S): (ok-under 1,525)
153 <- ^ ->

# Lanes=	0	1	0
VPH=	5	0	2
	Left	Thru	Right

Gunnel Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
If # Lanes=0, then
Rights use Thru Lane
Left Turns use Thru Lane
MUST hit CALC-F9

If Split Phase:E-W!!
Use "N" or "Y": N

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Gunnel Road
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (123)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Gunnel Road
Southbound Approach Gunnel Road

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV **1155.3**
Level of Service **B/C**

From NORTH (Southbound)
Gunnel Road

R	Right	Thru	Left	
^	205	0	221	=VPH
R	0	1	0	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 436
 RTOR

<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	29	1	--^
Thru	1341	2	-->
Right	3	0	--v
R	CLV(W)= 719.32		

2 <= WB [receiving lanes]
 CLV (N-S)= 436
 CLV (E-W)= 719.32
 || -----
 V SUM CLV= 1155.3 ok
 LOS= B/C EB => 2

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	0	195	Right
<--	2	571	Thru
v--	1	7	Left
	CLV(E)= 434.98		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 237 <- ^ ->
 | | |
 # Lanes=

0	1	0
---	---	---

 VPH=

10	1	5
Left	Thru	Right

 R
Gunnel Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Grier Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I24)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Grier Road
Southbound Approach Grier Road

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV 846
Level of Service A

From NORTH (Southbound)
Grier Road

R	Right	Thru	Left	
^	1	0	0	=VPH
R	0	1	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	1
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Jones Bridge Road

	VPH	#Lanes	
Left	0	1	--^
Thru	955	2	-->
Right	0	0	--v
R	CLV(W)= 506.15		

CLV (N-S)= 1
 CLV (E-W)= 844.82
 || -----
 V SUM CLV= 845.82 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	2	1594	Thru
v--	0	0	Left
	CLV(E)= 844.82		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 0 <- ^ ->

# Lanes=	0	0	0
VPH=	0	0	0
	Left	Thru	Right

Grier Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Grier Road
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I24)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Grier Road
Southbound Approach Grier Road

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV **1304.2**
Level of Service **C/D**

From NORTH (Southbound)
Grier Road

R	Right	Thru	Left	
^	84	0	272	=VPH
R	0	1	0	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 356
 RTOR

<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	0	1	--^
Thru	1789	2	-->
Right	0	0	--v
R	CLV(W)= 948.17		

2 <= WB [receiving lanes]

CLV (N-S)= 356
 CLV (E-W)= 948.17
 || -----
 V SUM CLV= 1304.2 ok
 2 LOS= C/D EB =>

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	0		Right
<--	2	696	Thru
v--	0		Left
	CLV(E)= 368.88		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 272 <- ^ ->
 | | |
 # Lanes=

0	0	0
---	---	---

 VPH=

0	0	0
---	---	---

Left	Thru	Right
------	------	-------

 R

Grier Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & University Drive
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I25)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach University Road
Southbound Approach University Road

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV 860
Level of Service A

From NORTH (Southbound)
University Road

R	Right	Thru	Left	
^	0	0		=VPH
R	0	0	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	0
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Jones Bridge Road

	VPH	#Lanes	
Left	4	1	--^
Thru	1022	2	-->
Right	0	0	--v
R	CLV(W)= 541.66		

CLV (N-S)= 0
 CLV (E-W)= 860.48
 || -----
 V SUM CLV= 860.48 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	1	48	Right
<--	2	1616	Thru
v--	0	0	Left
	CLV(E)= 860.48		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 0 <- ^ ->

# Lanes=	0	0	0	
VPH=	0	0	0	
	Left	Thru	Right	R

University Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & University Drive
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (125)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	University Road	Split Phase (Y)es/(N)o	N
Southbound Approach	University Road		
Eastbound Approach	Jones Bridge Road	Split Phase (Y)es/(N)o	N
Westbound Approach	Jones Bridge Road		

Intersection CLV 1157.5
Level of Service B/C

From NORTH (Southbound)
University Road

R	Right	Thru	Left	=VPH
^				
R	0	0	0	=#Lanes

ON LY | | | CLV(N):
for <- V -> 0
RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	0	1	--^
Thru	2184	2	-->
Right		0	--v
R	CLV(W)= 1157.5		

2 <= WB [receiving lanes]
 ^
 ||
 SB CLV (N-S)= 0
 CLV (E-W)= 1157.5
 || -----
 V SUM CLV= 1157.5 ok
 2 LOS= B/C EB => 2

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	1	0	Right
<--	2	656	Thru
v--	0	0	Left
	CLV(E)= 347.68		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 0 <- ^ ->
 | | |
 # Lanes= 0 0 0
 VPH= 0

Left	Thru	Right	R
------	------	-------	---

University Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Connecticut Avenue
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I26)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Connecticut Avenue
Southbound Approach Connecticut Avenue

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o Y

Intersection CLV 1935
Level of Service F

From NORTH (Southbound)
Connecticut Avenue

R	Right	Thru	Left	=VPH
^	1043	2375	2	
R		3	0	=#Lanes

ON LY | | | CLV(N):
for <- V -> 1265.4
RTOR

From NORTHEAST(Southbound)
Kensington Pkwy

	Right	Thru	Left
^	8	112	191
R	0	1	1

ON LY | | |
for <- V ->
<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	337	2	--^
Thru	270	2	-->
Right	68		--v
R	CLV(W)= 179.14		

2 <= WB [receiving lanes]

CLV (N-S)= 1265.4
 CLV (E-W)= 669.1
 SUM CLV= 1934.5 *
 LOS= F EB => 2

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	
NB ^--	0	211	Right
<--	3	569	Thru
v--	0	28	Left
	CLV(E)= 298.96		

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): *->over 1,525!!
680.21 <- ^ ->

# Lanes=	0	3	0
VPH=		1782	51
	Left	Thru	Right

Connecticut Avenue
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Connecticut Avenue
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I26)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Connecticut Avenue
Southbound Approach Connecticut Avenue

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o Y

Intersection CLV 2072.6
Level of Service F

From NORTH (Southbound) Connecticut Avenue

R	Right	Thru	Left	
^	374	1569	1	=VPH
R		3	0	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 719.28
 RTOR

From NORTHEAST(South Kensington Pkwy)

	Right	Thru	Left
^	2	30	36
R	0	1	1

ON LY | | |
 for <- V ->
 <- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) Jones Bridge Road

	VPH	#Lanes	
Left	1274	2	--^
Thru	690	2	-->
Right	10		--v
R	CLV(W)= 675.22		

2 <= WB [receiving lanes]
 CLV (N-S)= 1067.3
 CLV (E-W)= 1005.2
 || -----
 V SUM CLV= 2072.6 *
 LOS= F EB => 2

From EAST (Westbound) Jones Bridge Road

	#Lanes	VPH	
^--	0	294	Right
<--	3	283	Thru
v--	0	59	Left
	CLV(E)= 294		

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): *->over 1,525!!
 1067.3 <- ^ ->
 | | |
 # Lanes= 0 3 0
 VPH= 0 2758 124

Left	Thru	Right
------	------	-------

Connecticut Avenue
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Manor Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]AM Peak (I27)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Manor Road
Southbound Approach Manor Road

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV 819
Level of Service A

From NORTH (Southbound)
Manor Road

R	Right	Thru	Left	=VPH
^	0	0	0	
R	0	0	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	45
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Jones Bridge Road

	VPH	#Lanes	--^
Left	0	0	SB
Thru	332	1	-->
Right	16	1	--v
R	CLV(W)= 589		

CLV (N-S)= 45
 CLV (E-W)= 774
 || -----
 V SUM CLV= 819 ok
 2 LOS= A EB => 2

From EAST (Westbound) 2
Jones Bridge Road

	#Lanes	VPH	R	NB
^--	0	0	Right	
<--	1	774	Thru	
v--	1	257	Left	
	CLV(E)= 774			

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)

0	<-	^	->
# Lanes=	1	0	1
VPH=	45	0	194
	Left	Thru	Right

Manor Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Manor Road
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I27)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Manor Road
Southbound Approach Manor Road

Split Phase (Y)es/(N)o N

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV **912**
Level of Service **A**

From NORTH (Southbound)
Manor Road

R	Right	Thru	Left	=VPH
^	0	0	0	
R	0	0	0	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 26
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) **2** <= WB [receiving lanes]
Jones Bridge Road

	VPH	#Lanes	
Left	0	0	--^
Thru	773	1	-->
Right	22	1	--v

 SB CLV (N-S)= 26
 || -----
 V SUM CLV= 912 ok
 2 LOS= A EB => 2

From EAST (Westbound) **2**
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	1	515	Thru
v--	1	113	Left

 CLV(E)= 515

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 0 <- ^ ->
 | | |
 # Lanes=

1	0	1
---	---	---

 VPH=

26	0	237
----	---	-----

Left	Thru	Right
------	------	-------

 R
Manor Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Jones Mill Road
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I28)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Jones Mill Road
Southbound Approach Jones Mill Road

Split Phase (Y)es/(N)o Y

Eastbound Approach Jones Bridge Road
Westbound Approach Jones Bridge Road

Split Phase (Y)es/(N)o N

Intersection CLV 1352
Level of Service D

From NORTH (Southbound)
Jones Mill Road

R	Right	Thru	Left	
^	195	498	0	=VPH
R	1	1	0	=#Lanes

ON LY | | | CLV(N):
for <- V -> 498
RTOR

<- If Split Phase:N-S!!
Use "N" or "Y": Y

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	52	1	--^
Thru	0	0	-->
Right	427	1	--v
R	CLV(W)=	0	

2 <= WB [receiving lanes]

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
	CLV(E)=	52	

CLV(S): (ok-under 1,525)
802 <- ^ ->
| | |
Lanes= 1 1 0
VPH= 802 92 0
Left Thru Right R

Jones Mill Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
If # Lanes=0, then
Rights use Thru Lane
Left Turns use Thru Lane
MUST hit CALC-F9

If Split Phase:E-W!!
 Use "N" or "Y": N

Project Name: National Navy Medical Center
Intersection: Jones Bridge Road & Jones Mill Road
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (128)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Jones Mill Road	Split Phase (Y)es/(N)o	Y
Southbound Approach	Jones Mill Road		
Eastbound Approach	Jones Bridge Road	Split Phase (Y)es/(N)o	N
Westbound Approach	Jones Bridge Road		

Intersection CLV	945
Level of Service	A

From NORTH (Southbound)
Jones Mill Road

R	Right	Thru	Left	=VPH
^	95	112	0	
R	1	1	0	=#Lanes

ON LY | | | CLV(N):
for <- V -> 112
RTOR

<- If Split Phase:N-S!!
Use "N" or "Y": Y

From WEST (Eastbound)
Jones Bridge Road

	VPH	#Lanes	
Left	261	1	--^
Thru	0	0	-->
Right	648	1	--v
R	CLV(W)=	0	

2 <= WB [receiving lanes]

CLV (N-S)=	684
CLV (E-W)=	261
SUM CLV=	945 ok
LOS=	A
EB =>	2

From EAST (Westbound)
Jones Bridge Road

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
CLV(E)=	261		

If Split Phase:E-W!!
Use "N" or "Y": N

CLV(S): (ok-under 1,525)
572 <- ^ ->
| | |
Lanes= 1 1 0
VPH= 572 420 0
Left Thru Right R

Jones Mill Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
If # Lanes=0, then
Rights use Thru Lane
Left Turns use Thru Lane
MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Mill Road & East-West Hwy
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I29)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Jones Mill Road
Southbound Approach Jones Mill Road

Split Phase (Y)es/(N)o N

Eastbound Approach East-West Hwy
Westbound Approach East-West Hwy

Split Phase (Y)es/(N)o N

Intersection CLV 1256
Level of Service C

From NORTH (Southbound)
Jones Mill Road

R	Right	Thru	Left	=VPH
^	54	411	127	
R		1	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 497
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
East-West Hwy

	VPH	#Lanes	
Left	20	1	--^
Thru	522	2	-->
Right	25		--v

 R CLV(W)= 384.91
 SB CLV (N-S)= 497
 CLV (E-W)= 758.82
 || -----
 V SUM CLV= 1255.8 ok
 LOS= C EB => 2

From EAST (Westbound) 2
East-West Hwy

	#Lanes	VPH	R
NB ^--	1	301	Right
<--	2	1394	Thru
v--	1	95	Left

 CLV(E)= 758.82

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 406 <- ^ ->
 | | |
 # Lanes=

1	1	
---	---	--

 VPH=

32	241	38
Left	Thru	Right

 R
Jones Mill Road
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Jones Mill Road & East-West Hwy
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I29)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Jones Mill Road	Split Phase (Y)es/(N)o	Y
Southbound Approach	Jones Mill Road		
Eastbound Approach	East-West Hwy	Split Phase (Y)es/(N)o	N
Westbound Approach	East-West Hwy		

Intersection CLV **1598.5**
Level of Service **E/F**

From NORTH (Southbound)
Jones Mill Road

R	Right	Thru	Left	=VPH
^	15	251	237	
R		1	1	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 266
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": Y

From WEST (Eastbound)
East-West Hwy

	VPH	#Lanes	
Left	161	1	--^
Thru	1646	2	-->
Right	4		--v
R	CLV(W)=	925.5	

2 <= WB [receiving lanes]
 ^
 ||
 NB ^--
 <--
 v--
 2
 CLV(S): *->over 1,525!!
 407 <- ^ ->
 | | |
 # Lanes=
 VPH=
Jones Mill Road
From SOUTH (Northbound)

From EAST (Westbound)
East-West Hwy

	#Lanes	VPH	R
1	210	Right	
2	719	Thru	
1	51	Left	
	CLV(E)=	542.07	

If Split Phase:E-W!!
 Use "N" or "Y": N

# Lanes=	1	1	
VPH=	69	358	49
	Left	Thru	Right

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Woodmont Avenue
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I11)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Rockville Pike
Southbound Approach Rockville Pike

Split Phase (Y)es/(N)o N

Eastbound Approach Woodmont Avenue
Westbound Approach Woodmont Avenue

Split Phase (Y)es/(N)o N

Intersection CLV 1101
Level of Service B

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	972	2317	0	
R	1	3	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	857.29
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Woodmont Avenue

	VPH	#Lanes	--^
Left	459	2	SB
Thru	0	0	-->
Right	7	1	--v
R	CLV(W)=	7	

CLV (N-S)= 857.29
 CLV (E-W)= 243.27
 || -----
 V SUM CLV= 1100.6 ok
 LOS= B EB => 2

From EAST (Westbound) 2
Woodmont Avenue

	#Lanes	VPH	R
NB ^--	1	25	Right
<--	0	0	Thru
v--	0	0	Left
	CLV(E)=	243.27	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
437.34 <- ^ ->

# Lanes=	0	3	0
VPH=	0	1179	3
	Left	Thru	Right

Rockville Pike

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Rockville Pike & Woodmont Avenue
Location: Montgomery County
Date: 0
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I11)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Rockville Pike	Split Phase (Y)es/(N)o	N
Southbound Approach	Rockville Pike		
Eastbound Approach	Woodmont Avenue	Split Phase (Y)es/(N)o	N
Westbound Approach	Woodmont Avenue		

Intersection CLV 1123.3
Level of Service B

From NORTH (Southbound)
Rockville Pike

R	Right	Thru	Left	=VPH
^	678	1008	0	
R	1	3	0	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 386.96
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
Woodmont Avenue

	VPH	#Lanes	
Left	970	2	--^
Thru	0	0	-->
Right	21	1	--v
R	CLV(W)=	0	

2 <= WB [receiving lanes]
 CLV (N-S)= 604.21
 CLV (E-W)= 519.1
 SUM CLV= 1123.3 ok
 LOS= B EB => 2

From EAST (Westbound)
Woodmont Avenue

	#Lanes	VPH	R
NB ^--	1	5	Right
<--	0		Thru
v--	0		Left
	CLV(E)=	519.1	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 604.21 <- ^ ->
 | | |
 # Lanes= 0 3 0
 VPH= 14 1617 2

Left	Thru	Right	R
------	------	-------	---

Rockville Pike
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Wisconsin Ave & Battery Lane
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I12)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Wisconsin Ave
Southbound Approach Wisconsin Ave

Split Phase (Y)es/(N)o N

Eastbound Approach Battery Lane
Westbound Approach Battery Lane

Split Phase (Y)es/(N)o Y

Intersection CLV 919
Level of Service A

From NORTH (Southbound)
Wisconsin Ave

R	Right	Thru	Left	=VPH
^	57	1716	0	
R	0	3	0	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 701.01
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Battery Lane

	VPH	#Lanes	
Left	182	0	--^
Thru	84	2	-->
Right	77	0	--v

 R CLV(W)= 181.79
 SB CLV (N-S)= 701.01
 CLV (E-W)= 217.79
 || -----
 V SUM CLV= 918.8 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Battery Lane

	#Lanes	VPH	R
NB ^--	1	39	Right
<--	1	17	Thru
v--	0	19	Left

 CLV(E)= 36

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): (ok-under 1,525)
 354.83 <- ^ ->
 | | |
 # Lanes= 0 3 0
 VPH= 45 908 6

Left	Thru	Right	R
------	------	-------	---

Wisconsin Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Wisconsin Ave & Battery Lane
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I12)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Wisconsin Ave
Southbound Approach Wisconsin Ave

Split Phase (Y)es/(N)o N

Eastbound Approach Battery Lane
Westbound Approach Battery Lane

Split Phase (Y)es/(N)o Y

Intersection CLV **896.06**
Level of Service **A**

From NORTH (Southbound)
Wisconsin Ave

R	Right	Thru	Left	=VPH
^	42	940	0	
R	0	3	0	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 473.34
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

2 **From EAST (Westbound)**

Battery Lane

	VPH	#Lanes	
Left	175	0	--^
Thru	102	2	-->
Right	66	0	--v
R	CLV(W)=	181.79	

 SB CLV (N-S)= 655.27
 CLV (E-W)= 240.79
 || -----
 V SUM CLV= 896.06 ok
 LOS= A EB => 2

Battery Lane

	#Lanes	VPH	R
NB ^--	1	38	Right
<--	1	47	Thru
v--	0	12	Left
	CLV(E)=	59	

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): (ok-under 1,525)
 655.27 <- ^ ->
 | | |
 # Lanes=

0	3	0
---	---	---

 VPH=

110	1656	5
Left	Thru	Right

 R
Wisconsin Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Wisconsin Ave & Cordell Avenue
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I13)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Wisconsin Ave.
Southbound Approach Wisconsin Ave.

Split Phase (Y)es/(N)o N

Eastbound Approach Cordell Ave
Westbound Approach Cordell Ave

Split Phase (Y)es/(N)o N

Intersection CLV 811
Level of Service A

From NORTH (Southbound)
Wisconsin Ave.

R	Right	Thru	Left	
^	81	1801	0	=VPH
R	0	3	0	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 697.34
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Cordell Ave

	VPH	#Lanes	
Left	114	0	--^
Thru	0	2	-->
Right	28	0	--v

 CLV(W)= 75.26
 SB CLV (N-S)= 697.34
 CLV (E-W)= 114
 SUM CLV= 811.34 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Cordell Ave

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left

 CLV(E)= 114

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 328.56 <- ^ ->
 | | |
 # Lanes=

0	3	0
---	---	---

 VPH=

1	887	0
Left	Thru	Right

 R
Wisconsin Ave.
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Wisconsin Ave & Cordell Avenue
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I13)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Wisconsin Ave.
Southbound Approach Wisconsin Ave.

Split Phase (Y)es/(N)o N

Eastbound Approach Cordell Ave
Westbound Approach Cordell Ave

Split Phase (Y)es/(N)o N

Intersection CLV 738.31
Level of Service A

From NORTH (Southbound)
Wisconsin Ave.

R	Right	Thru	Left	
^	85	1051	0	=VPH
R	0	3	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	442.32
RTOR				

<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

Cordell Ave

	VPH	#Lanes	
Left	160	0	--^
Thru	0	2	-->
Right	40	0	--v
CLV(W)=		106	

SB CLV (N-S)= 578.31
 CLV (E-W)= 160
 || -----
 V SUM CLV= 738.31 ok
 2 LOS= A EB => 2

From EAST (Westbound) 2

Cordell Ave

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
CLV(E)=		160	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 578.31 <- ^ ->
 | | |

# Lanes=	0	3	0	
VPH=	22	1541	0	
	Left	Thru	Right	R

Wisconsin Ave.
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Wisconsin Ave & Cheltenham Drive
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I14)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Wisconsin Ave
Southbound Approach Wisconsin Ave

Split Phase (Y)es/(N)o N

Eastbound Approach Cheltenham Dr.
Westbound Approach Cheltenham Dr.

Split Phase (Y)es/(N)o N

Intersection CLV 914
Level of Service A

From NORTH (Southbound)
Wisconsin Ave

R	Right	Thru	Left	=VPH
^	56	1650	7	
R	0	3	0	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 691.81
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Cheltenham Dr.

	VPH	#Lanes	
Left	64	1	--^
Thru	99	1	-->
Right	66	0	--v
R	CLV(W)=	222	

 SB CLV (N-S)= 691.81
 CLV (E-W)= 222
 SUM CLV= 913.81 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Cheltenham Dr.

	#Lanes	VPH	R
NB ^--	0	33	Right
<--	1	71	Thru
v--	1	57	Left
	CLV(E)=	168	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 334.45 <- ^ ->
 | | |
 # Lanes=

0	3	0
---	---	---

 VPH=

58	776	51
Left	Thru	Right

 R
Wisconsin Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Wisconsin Ave & Cheltenham Drive
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\PM Peak (I14)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Wisconsin Ave	Split Phase (Y)es/(N)o	N
Southbound Approach	Wisconsin Ave		
Eastbound Approach	Cheltenham Dr.	Split Phase (Y)es/(N)o	N
Westbound Approach	Cheltenham Dr.		

Intersection CLV 707.78
Level of Service A

From NORTH (Southbound)
Wisconsin Ave

R	Right	Thru	Left	=VPH
^	21	998	4	
R	0	3	0	=#Lanes

ON LY | | | CLV(N):
for <- V -> 445.51
RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
 Cheltenham Dr.

	VPH	#Lanes
Left	70	0
Thru	66	1
Right	55	1
R	CLV(W)= 196	

2 <= WB [receiving lanes]
 CLV (N-S)= 482.78
 CLV (E-W)= 225
 SUM CLV= 707.78 ok
 LOS= A EB => 2

From EAST (Westbound)
 Cheltenham Dr.

	#Lanes	VPH	R
NB ^--	0	35	Right
<--	1	120	Thru
v--	1	60	Left
	CLV(E)= 225		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 482.78 <- ^ ->
 | | |
 # Lanes= 0 3 0
 VPH= 67 1192 35

Left	Thru	Right	R
------	------	-------	---

Wisconsin Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & Battery Lane
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I17)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Woodmont Ave
Southbound Approach Woodmont Ave

Split Phase (Y)es/(N)o N

Eastbound Approach Battery Lane
Westbound Approach Battery Lane

Split Phase (Y)es/(N)o N

Intersection CLV 814
Level of Service A

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	113	847	42	
R	0	2	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 548.8
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Battery Lane

	VPH	#Lanes	
Left	120	0	--^
Thru	194	2	-->
Right	112	0	--v

 R CLV(W)= 264.78
 CLV (N-S)= 548.8
 CLV (E-W)= 264.78
 SUM CLV= 813.58 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Battery Lane

	#Lanes	VPH	R
NB ^--	0	6	Right
<--	2	68	Thru
v--	0	39	Left

 CLV(E)= 179.89

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 157.01 <- ^ ->
 | | |
 # Lanes=

1	2	0
---	---	---

 VPH=

40	170	47
Left	Thru	Right

 R
Woodmont Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & Battery Lane
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMCC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I17)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Woodmont Ave	Split Phase (Y)es/(N)o	N
Southbound Approach	Woodmont Ave		
Eastbound Approach	Battery Lane	Split Phase (Y)es/(N)o	Y
Westbound Approach	Battery Lane		

Intersection CLV **655.29**
Level of Service **A**

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	127	491	58	
R	0	2	1	=#Lanes

ON LY | | | CLV(N):
 for <- V -> 403.54
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound)
Battery Lane

	VPH	#Lanes	
Left	106	0	--^
Thru	153	2	-->
Right	67	0	--v
R	CLV(W)= 172.78		

2 <= WB [receiving lanes]
 ^
 ||
 NB ^--
 <--
 v--
 2
 CLV (N-S)= 403.54
 CLV (E-W)= 251.75

 V SUM CLV= 655.29 ok
 LOS= A EB => 2

From EAST (Westbound)
Battery Lane

	#Lanes	VPH	R
0	22	Right	
2	85	Thru	
0	42	Left	
CLV(E)= 78.97			

If Split Phase:E-W!!
 Use "N" or "Y": Y

CLV(S): (ok-under 1,525)
 384.48 <- ^ ->
 | | |
 # Lanes=

1	2	0
---	---	---

 VPH=

76	556	60
----	-----	----

Left	Thru	Right	R
------	------	-------	---

Woodmont Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & Cordell Avenue
Location: Montgomery County
Date:
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I18)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Woodmont Ave
Southbound Approach Woodmont Ave

Split Phase (Y)es/(N)o N

Eastbound Approach Cordell
Westbound Approach Cordell

Split Phase (Y)es/(N)o N

Intersection CLV 594
Level of Service A

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	70	837	48	
R	0	2	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 484.71
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Cordell

	VPH	#Lanes	
Left	23	0	--^
Thru	43	1	-->
Right	16	0	--v

 R CLV(W)= 109
 CLV (N-S)= 484.71
 CLV (E-W)= 109
 SUM CLV= 593.71 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Cordell

	#Lanes	VPH	R
NB ^--	0	13	Right
<--	1	27	Thru
v--	0	27	Left

 CLV(E)= 90

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 161.95 <- ^ ->
 | | |
 # Lanes=

1	2	0
---	---	---

 VPH=

4	161	54
Left	Thru	Right

 R
Woodmont Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & Cordell Avenue
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I18)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Woodmont Ave
Southbound Approach Woodmont Ave

Split Phase (Y)es/(N)o N

Eastbound Approach Cordell
Westbound Approach Cordell

Split Phase (Y)es/(N)o N

Intersection CLV 556.92
Level of Service A

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	147	517	55	
R	0	2	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 373.92
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

Cordell

	VPH	#Lanes	
Left	69	0	--^
Thru	64	1	-->
Right	24	0	--v

 SB CLV (N-S)= 373.92
 || CLV (E-W)= 183
 V SUM CLV= 556.92 ok
 2 LOS= A EB => 2

From EAST (Westbound) 2

Cordell

	#Lanes	VPH	R
NB ^--	0	41	Right
<--	1	40	Thru
v--	0	26	Left

 CLV(E)= 176

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 340.14 <- ^ ->
 | | |
 # Lanes=

1	2	0
---	---	---

 VPH=

22	430	108
Left	Thru	Right

 R
Woodmont Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & St, Elmo
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I19)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Woodmont Ave
Southbound Approach Woodmont Ave

Split Phase (Y)es/(N)o N

Eastbound Approach St. Elmo
Westbound Approach St. Elmo

Split Phase (Y)es/(N)o N

Intersection CLV 614
Level of Service A

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	248	646	6	
R	0	2	0	=#Lanes

ON LY | | | CLV(N):
for <- V -> 493
RTOR

<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound)
St. Elmo

	VPH	#Lanes	
Left	82	0	--^
Thru	5	1	-->
Right	34		--v
R	CLV(W)=	121	

2 <= WB [receiving lanes]

CLV (N-S)= 493
CLV (E-W)= 121
SUM CLV= 614 ok
LOS= A EB =>

From EAST (Westbound)
St. Elmo

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
	CLV(E)=	82	

If Split Phase:E-W!!
Use "N" or "Y": N

CLV(S): (ok-under 1,525)
69.6 <- ^ ->
| | |
Lanes= 1 2 0
VPH= 16 120 0
Left Thru Right R

Woodmont Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
If # Lanes=0, then
Rights use Thru Lane
Left Turns use Thru Lane
MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & St, Elmo
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NMMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I19)

Scenario Total Future Alternative II
Peak Hour or Period PM Peak Hour (- pm)

Northbound Approach Woodmont Ave
Southbound Approach Woodmont Ave

Split Phase (Y)es/(N)o N

Eastbound Approach St. Elmo
Westbound Approach St. Elmo

Split Phase (Y)es/(N)o N

Intersection CLV **597.98**
Level of Service **A**

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	148	417	1	
R	0	2	0	=#Lanes
ON LY				CLV(N):
for	<-	V	->	330.98
RTOR				

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]

St. Elmo

	VPH	#Lanes	
Left	240	0	--^
Thru	2	1	-->
Right	25		--v
R	CLV(W)=	267	

CLV (N-S)= 330.98
 SB CLV (E-W)= 267
 || -----
 V SUM CLV= 597.98 ok
 2 LOS= A EB => 2

From EAST (Westbound) 2

St. Elmo

	#Lanes	VPH	R
NB ^--	0	0	Right
<--	0	0	Thru
v--	0	0	Left
	CLV(E)=	240	

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
182.26 <- ^ ->

# Lanes=	1	2	0
VPH=	31	342	0
	Left	Thru	Right

Woodmont Ave

From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & Cheltenham Drive
Location: Montgomery County
Date:
Filename: P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls\AM Peak (I20)

Scenario Total Future Alternative II
Peak Hour or Period AM Peak Hour (- am)

Northbound Approach Woodmont Ave
Southbound Approach Woodmont Ave

Split Phase (Y)es/(N)o N

Eastbound Approach Cheltenham Dr.
Westbound Approach Cheltenham Dr.

Split Phase (Y)es/(N)o N

Intersection CLV 840
Level of Service A

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	0	535	64	
R	0	1	1	=#Lanes

 ON LY | | | CLV(N):
 for <- V -> 552
 RTOR

<- If Split Phase:N-S!!
 Use "N" or "Y": N

From WEST (Eastbound) 2 <= WB [receiving lanes]
Cheltenham Dr.

	VPH	#Lanes	
Left	21	0	--^
Thru	85	1	-->
Right	97	0	--v
R	CLV(W)= 288		

CLV (N-S)= 552
 CLV (E-W)= 288
 || -----
 V SUM CLV= 840 ok
 LOS= A EB => 2

From EAST (Westbound) 2
Cheltenham Dr.

	#Lanes	VPH	R
NB ^--	0	27	Right
<--	1	62	Thru
v--	0	85	Left
	CLV(E)= 195		

If Split Phase:E-W!!
 Use "N" or "Y": N

CLV(S): (ok-under 1,525)
 230 <- ^ ->
 | | |
 # Lanes=

1	1	0
---	---	---

 VPH=

17	98	68
Left	Thru	Right

 R
Woodmont Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
 If # Lanes=0, then
 Rights use Thru Lane
 Left Turns use Thru Lane
 MUST hit CALC-F9

Project Name: National Navy Medical Center
Intersection: Woodmont Avenue & Cheltenham Drive
Location: Montgomery County
Date: #REF!
Filename: P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II.xls]PM Peak (I20)

Scenario	Total Future Alternative II		
Peak Hour or Period	PM Peak Hour (- pm)		
Northbound Approach	Woodmont Ave	Split Phase (Y)es/(N)o	N
Southbound Approach	Woodmont Ave		
Eastbound Approach	Cheltenham Dr.	Split Phase (Y)es/(N)o	N
Westbound Approach	Cheltenham Dr.		

Intersection CLV	759
Level of Service	A

From NORTH (Southbound)
Woodmont Ave

R	Right	Thru	Left	=VPH
^	36	359	44	
R	0	1	1	=#Lanes

ON LY | | | CLV(N):
for <- V -> 435
RTOR

<- If Split Phase:N-S!!
Use "N" or "Y": N

From WEST (Eastbound)
Cheltenham Dr.

	VPH	#Lanes	
Left	37	0	--^
Thru	78	1	-->
Right	115	0	--v
R	CLV(W)=	305	

2 <= WB [receiving lanes]

CLV (N-S)=	435
CLV (E-W)=	324
SUM CLV=	759 ok
LOS=	A
EB =>	2

From EAST (Westbound)
Cheltenham Dr.

	#Lanes	VPH	R
NB ^--	0	65	Right
<--	1	147	Thru
v--	0	75	Left
CLV(E)=	324		

If Split Phase:E-W!!
Use "N" or "Y": N

CLV(S): (ok-under 1,525)
396 <- ^ ->
| | |
Lanes= 1 1 0
VPH= 40 276 76
Left Thru Right R

Woodmont Ave
From SOUTH (Northbound)

E2,N9,K19,A13 RTOR=R
If # Lanes=0, then
Rights use Thru Lane
Left Turns use Thru Lane
MUST hit CALC-F9