

**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 (with add. lanes).xls]AM Peak (15)

<b>Scenario</b>	Total Future Alternative II (with extra lanes)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	West Cedar Lane	<b>Split Phase (Y)es/(N)o</b>	Y
<b>Westbound Approach</b>	West Cedar Lane		

**Intersection CLV** 1664  
**Level of Service** F

**From NORTH (Southbound)**

**Rockville Pike**

R	Right	Thru	Left	
^		3134	187	=VPH
R		4	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 1023.2  
 RTOR

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

**From WEST (Eastbound)**

**West Cedar Lane**

	VPH	#Lanes
Left	120	0
Thru	306	3
Right		
<b>R</b>	CLV(W)= 157.62	

**From EAST (Westbound)**

**West Cedar Lane**

	#Lanes	VPH	R
NB	0	152	Right
<--	3	377	Thru
v--		777	Left
<b>2</b>	CLV(E)= 483.22		

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

CLV(S): \*->over 1,525!!  
 676 <- ^ ->  
 | | |  
 # Lanes= 

1	4	
---	---	--

  
 VPH= 

83	1630	
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

**Rockville Pike**

**From SOUTH (Northbound)**

**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 (with add. lanes).xls\PM Peak (15)

**Scenario** Total Future Alternative II (with extra lanes)  
**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** West Cedar Lane **Split Phase (Y)es/(N)o** Y  
**Westbound Approach** West Cedar Lane

**Intersection CLV** **1826.24**  
**Level of Service** **F**

**From NORTH (Southbound)**  
**Rockville Pike**  

R	Right	Thru	Left	
^		1798	160	=VPH
R		4	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 825.4  
 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	
<b>R</b>	<b>CLV(W)= 493.21</b>	

**2** <= WB [receiving lanes]  
 CLV (N-S)= 1185.4  
 CLV (E-W)= 640.84  
 SB || -----  
 V SUM CLV= 1826.24 \*  
**3** LOS= F EB => **2**

**3 From EAST (Westbound)**  
**West Cedar Lane**  

#Lanes	VPH	R
0	81	Right
3	165	Thru
0	153	Left
<b>CLV(E)= 147.63</b>		

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

CLV(S): \*->over 1,525!!  
 1185.4 <- ^ ->  
 | | |  
 # Lanes= 

1	4	
---	---	--

  
 VPH= 

286	2999	419
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:** Old Georgetown and West Ceder Lane  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls]AM Peak (I22)

<b>Scenario</b>	Total Future Alternative II (with extra lanes)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Old Georgetown Rd.	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Old Georgetown Rd.		
<b>Eastbound Approach</b>	West Cedar Lane	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	West Cedar Lane		

**Intersection CLV** 1211  
**Level of Service** C

**From NORTH (Southbound)**  
**Old Georgetown Rd.**

R	Right	Thru	Left	=VPH
^	20	2431	373	
R	0	4	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 744.3  
 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
<b>R</b>	<b>CLV(W)= 408</b>	

**2** <= WB [receiving lanes]  
 CLV (N-S)= 802.94  
 CLV (E-W)= 408  
 SB || -----  
 V SUM CLV= 1210.94 ok  
 LOS= C EB => **2**

**From EAST (Westbound)**  
**West Cedar Lane**

	#Lanes	VPH	R
NB ^--	0	150	Right
<--	1	22	Thru
v--	1	323	Left
<b>2</b>	<b>CLV(E)= 202</b>		

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 and West Cedar Lane  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls\PM Peak (I22)

<b>Scenario</b>	Total Future Alternative II (with extra lanes)		
<b>Peak Hour or Period</b>	PM Peak Hour ( - pm)		
<b>Northbound Approach</b>	Old Georgetown Rd.	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Old Georgetown Rd.		
<b>Eastbound Approach</b>	West Cedar Lane	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	West Cedar Lane		

**Intersection CLV** 1670.9  
**Level of Service** F

**From NORTH (Southbound)**  
**Old Georgetown Rd.**

R	Right	Thru	Left	=VPH
^	44	1381	447	
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)**  
**West Cedar Lane**

	VPH	#Lanes	
Left	30	0	--^
Thru	47	1	-->
Right	23	0	--v
R	CLV(W)= 323		

2 <= WB [receiving lanes]  
 CLV (N-S)= 1245.9  
 CLV (E-W)= 425  
 SUM CLV= 1670.9 \*  
 LOS= F EB => 2

**From EAST (Westbound)**  
**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!!  
 1245.9 <- ^ ->  
 | | |  
 # Lanes= 1 4 0  
 VPH= 49 2161 502  

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

**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:** Rockville Pike & North Drive  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls]AM Peak (16)

<b>Scenario</b>	Total Future Alternative II (with extra lanes)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	North Drive	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	North Drive		

**Intersection CLV** 1302  
**Level of Service** C/D

**From NORTH (Southbound)**

**Rockville Pike**

R	Right	Thru	Left	=VPH
^	386	3949	0	
R	0	4	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 1300.5  
 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	1	1	--v
R	CLV(W)= 1		

2 <= WB [receiving lanes]

CLV (N-S)= 1300.5  
 CLV (E-W)= 1  
 SUM CLV= 1301.5 ok  
 LOS= C/D EB => 2

**From EAST (Westbound)**

**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): (ok-under 1,525)  
 459.9 <- ^ ->  
 | | |  
 # Lanes= 0 4 0  
 VPH= 0 1533 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 Drive  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls\PM Peak (I6)

<b>Scenario</b>	Existing		
<b>Peak Hour or Period</b>	PM Peak Hour ( - pm)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	North Drive	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	North Drive		

**Intersection CLV** 1109.1  
**Level of Service** B

**From NORTH (Southbound)**

**Rockville Pike**

	Right	Thru	Left	
^	6	2112	0	=VPH
R	0	4	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 635.4  
 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]

CLV (N-S)= 1109.1  
 CLV (E-W)= 0

SUM CLV= 1109.1 ok  
 LOS= B EB =>

**From EAST (Westbound)**

**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): (ok-under 1,525)  
 1109.1 <- ^ ->

# Lanes=	0	4	0
VPH=	0	3697	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 Wood Road  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls]AM Peak (17)

**Scenario** Existing  
**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** 1299  
**Level of Service** C/D

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	0	3106	844	
R	0	4	1	=#Lanes
ON LY				CLV(N):
for	<-	V	->	931.8
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)= 1280.2  
 CLV (E-W)= 19  
 SUM CLV= 1299.2 ok  
 LOS= C/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)  
 1280.2 <- ^ ->  
 | | |  
 # Lanes= 0 4 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

**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 (with add. lanes).xls\PM Peak (17)

<b>Scenario</b>	Existing		
<b>Peak Hour or Period</b>	PM Peak Hour ( - pm)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	North Wood Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	North Wood Road		

**Intersection CLV** 1317.4  
**Level of Service** C/D

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	0	2253	150	
R	0	4	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 675.9  
 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
<b>R</b>	<b>CLV(W)= 2</b>	

**2** <= WB [receiving lanes]  
 CLV (N-S)= 1121.4  
 CLV (E-W)= 196  
 SUM CLV= 1317.4 ok  
 LOS= C/D EB => **2**

**From EAST (Westbound)**  
**North Wood Road**

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

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

CLV(S): (ok-under 1,525)  
 1121.4 <- ^ ->  
 | | |  
 # Lanes= 

0	4	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 (with add. lanes).xls]AM Peak (18)

**Scenario** Existing  
**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** 1220  
**Level of Service** C

**From NORTH (Southbound)**  
**Rockville Pike**  

R	Right	Thru	Left	=VPH
^	387	2847	2	
R	0	4	0	=#Lanes

 ON LY | | | CLV(N):  
 for <- V -> 1168.8  
 RTOR

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

**From WEST (Eastbound)**  
**Wilson Drive**  

	VPH	#Lanes
Left	51	0
Thru	0	2
Right	6	0

 CLV(W)= 30.21

2 <= WB [receiving lanes]  
 CLV (N-S)= 1168.8  
 CLV (E-W)= 51  
 SUM CLV= 1219.8 ok  
 LOS= C EB => 2

**From EAST (Westbound)**  
**Wilson Drive**  

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

 CLV(E)= 51

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

CLV(S): (ok-under 1,525)  
 439.7 <- ^ ->  
 | | |  
 # Lanes= 1 4 0  
 VPH= 198 1459 0  

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 & Wilson Drive  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls\PM Peak (18)

<b>Scenario</b>	Existing		
<b>Peak Hour or Period</b>	PM Peak Hour ( - pm)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	Wilson Drive	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	Wilson Drive		

**Intersection CLV** 1394  
**Level of Service** D

**From NORTH (Southbound)**

**Rockville Pike**

R	Right	Thru	Left	=VPH
^	37	2308	4	
R	0	4	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 704.7  
 RTOR

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

**From WEST (Eastbound)**

**Wilson Drive**

	VPH	#Lanes
Left	553	0
Thru	0	2
Right	20	0

CLV(W)= 303.69

2 <= WB [receiving lanes]

CLV (N-S)=	841
CLV (E-W)=	553
SUM CLV=	1394 ok
LOS=	D

2 EB =>

**From EAST (Westbound)**

**Wilson Drive**

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

CLV(E)= 553

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

CLV(S): (ok-under 1,525)  
 841 <- ^ ->

# Lanes=	1	4	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 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls]AM Peak (I9)

**Scenario** Existing  
**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** 1005  
**Level of Service** A/B

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	196	2414	122	
R	0	4	1	=#Lanes
ON LY				CLV(N):
for	<-	V	->	887
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)= 887  
 CLV (E-W)= 118  
 SUM CLV= 1005 ok  
 LOS= A/B EB => 2

**From EAST (Westbound)**  
**South Wood Road**

	#Lanes	VPH	R
Right	1	191	
Thru	1	11	
Left	0	42	
CLV(E)= 108			

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

CLV(S): (ok-under 1,525)  
 496.7 <- ^ ->  
 | | |  
 # Lanes= 1 4 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 (with add. lanes).xls\PM Peak (19)

<b>Scenario</b>	Existing		
<b>Peak Hour or Period</b>	PM Peak Hour ( - pm)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	South Wood Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	South Wood Road		

**Intersection CLV** 1084.9  
**Level of Service** B

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	97	2036	83	
R	0	4	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 730.9  
 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)= 730.9  
 CLV (E-W)= 354

SUM CLV= 1084.9 ok  
 LOS= B EB =>

**From EAST (Westbound)**  
**South Wood Road**

	#Lanes	VPH	R
Right	1	267	
Thru	1	18	
Left	0	97	

CLV(E)= 354

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

CLV(S): (ok-under 1,525)  
 730.7 <- ^ ->

# Lanes=	1	4	0
VPH=	91	2070	89

Left Thru Right R  
**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 & Jones Bridge Road  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls]AM Peak (I10)

**Scenario** Existing  
**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** 1294  
**Level of Service** C/D

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	119	2164	284	
R	0	4	1	=#Lanes
ON LY				CLV(N):
for	<-	V	->	773.9
RTOR				

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

**From WEST (Eastbound)**  
**Jones Bridge Road**

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

2 <= WB [receiving lanes]  
 CLV (N-S)= 773.9  
 CLV (E-W)= 520.42  
 SUM CLV= 1294.32 ok  
 LOS= C/D EB => 2

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

	#Lanes	VPH	R
Right		241	
Thru	3	309	
Left	0	815	
	CLV(E)= 505.05		

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

CLV(S): (ok-under 1,525)  
 732.5 <- ^ ->  
 | | |  
 # Lanes= 1 4  
 VPH= 89 1224 271  
 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 & Jones Bridge Road  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls\PM Peak (I10)

<b>Scenario</b>	Total future Alternative II (with extra lanes)		
<b>Peak Hour or Period</b>	PM Peak Hour ( - pm)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	Jones Bridge Road	<b>Split Phase (Y)es/(N)o</b>	Y
<b>Westbound Approach</b>	Jones Bridge Road		

**Intersection CLV** 1580.34  
**Level of Service** E/F

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	
^	12	1616	557	=VPH
R	0	4	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 508.4  
 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)= 1163.6  
 CLV (E-W)= 416.74  
 SUM CLV= 1580.34 \*  
 LOS= E/F EB => 2

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

	#Lanes	VPH	R
NB ^--			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!!  
 1163.6 <- ^ ->  
 | | |  
 # Lanes= 

1	4	
---	---	--

  
 VPH= 

20	2022	
----	------	--

  

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 & Connecticut Avenue  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with add. lanes).xls]AM Peak (I26)

**Scenario** Total Future Alternative II (with extra lanes)  
**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** 1713  
**Level of Service** F

**From NORTH (Southbound)**  
**Connecticut Avenue**

R	Right	Thru	Left	
^	1043	2375	2	=VPH
R		4	0	=#Lanes

ON LY | | | CLV(N):  
for <- V -> 1026  
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)= 1026  
 CLV (E-W)= 686.55  
 SUM CLV= 1712.55 \*  
 LOS= F EB => 2

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

	#Lanes	VPH	
NB ^--	1	211	Right
<--	2	569	Thru
v--	0	28	Left
	CLV(E)= 316.41		

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

CLV(S): \*->over 1,525!!  
 551.6 <- ^ ->  
 | | |  
 # Lanes= 0 4 0  
 VPH= 0 1781 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 (with add. lanes).xls\PM Peak (I26)

**Scenario** Total Future Alternative II (with extra lanes)  
**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** 1870.82  
**Level of Service** F

**From NORTH (Southbound)**  
**Connecticut Avenue**

R	Right	Thru	Left
^		1569	1
R		3	0

=VPH  
 =#Lanes  
 ON LY | | | CLV(N):  
 for <- V -> 580.9  
 RTOR

**From NORTHEAST(Southbound)**  
**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	104	
R	CLV(W)=	675.22

2 <= WB [receiving lanes]  
 CLV (N-S)= 865.6  
 CLV (E-W)= 1005.22  
 SB  
 || -----  
 V SUM CLV= 1870.82 \*  
 3 LOS= F EB => 2

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

	#Lanes	VPH	
NB	1	294	Right
<--	2	283	Thru
v--	0	59	Left
	CLV(E)=	294	

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

CLV(S): \*->over 1,525!!  
 865.6 <- ^ ->  
 | | |  
 # Lanes= 0 4 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:** Rockville Pike and Tuckerman (north)  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (II)

**Scenario** Existing  
**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 (north)  
**Westbound Approach** Tuckerman (north)

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

**Intersection CLV** 1254  
**Level of Service** C

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	369	1,886	264	
R	1	3	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 797.82  
 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	245	1	--v
R	CLV(W)= 302.66		

2 <= WB [receiving lanes]  
 CLV (N-S)= 881.53  
 CLV (E-W)= 372.62  
 || -----  
 V SUM CLV= 1254.2 ok  
 2 LOS= C EB => 2

**From EAST (Westbound)**  
**Tuckerman (north)**

	#Lanes	VPH	R
NB ^--			Right
<--	2	132	Thru
v--	1	18	Left
	CLV(E)= 69.96		

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

CLV(S): (ok-under 1,525)  
 881.53 <- ^ ->  
 | | |  
 # Lanes= 1 3 0  
 VPH= 100 1,588 81  
 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 and Tuckerman (north)  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (11)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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** Tuckerman (north) **Split Phase (Y)es/(N)o** Y  
**Westbound Approach** Tuckerman (north)

**Intersection CLV** **1294.1**  
**Level of Service** **C/D**

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	334	1,168	168	
R	1	3	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 624.16  
 RTOR

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

**From WEST (Eastbound)**  
**Tuckerman (north)**

	VPH	#Lanes	--^
Left	489	0	SB
Thru	199	3	-->
Right	151	1	--v
R	CLV(W)= 254.56		

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

**From EAST (Westbound)**  
**Tuckerman (north)**

#Lanes	VPH	R
		Right
2	311	Thru
1	41	Left
CLV(E)= 164.83		

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

CLV(S): (ok-under 1,525)  
 874.7 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

192	1,889	21
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 and Tuckerman (south)  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I3)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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) **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Tuckerman (south)

**Intersection CLV** 1087  
**Level of Service** B

**From NORTH (Southbound)**  
**Rockville Pike**  

R	Right	Thru	Left	=VPH
^	0	2421	4	
R	0	3	1	=#Lanes

 ON LY | | | CLV(N):  
 for <- V -> 895.77  
 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)= 191.33		

2 <= WB [receiving lanes]  
 CLV (N-S)= 895.77  
 CLV (E-W)= 191.33  
 || -----  
 V SUM CLV= 1087.1 ok  
 LOS= B EB => 2

**From EAST (Westbound)**  
**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)  
 600.44 <- ^ ->  
 | | |  
 # Lanes= 0 3  
 VPH= 0 1612  

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 and Tuckerman (south)  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (I3)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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** Tuckerman (south) **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Tuckerman (south)

**Intersection CLV** **1128.9**  
**Level of Service** **B/C**

**From NORTH (Southbound)**  
**Rockville Pike**  

R	Right	Thru	Left	=VPH
^	0	2002	10	
R	0	3	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 740.74  
 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
<b>R</b>	CLV(W)= 120.31	

2 <= WB [receiving lanes]  
 CLV (N-S)= 1008.6  
 CLV (E-W)= 120.31  
 SUM CLV= 1128.9 ok  
 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)  
 1008.6 <- ^ ->  
 | | |  
 # Lanes= 

0	3	
---	---	--

  
 VPH= 

0	2462	237
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 and Grosvenor Lane  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I2)

<b>Scenario</b>	CLV-(Total Future) Alternative II (with slip ramps)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	Grosvenor Lane	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	Gorsvenor Lane		

**Intersection CLV** 1320  
**Level of Service** C/D

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	246	2502	0	
R	1	3	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 925.74  
 RTOR

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

**From WEST (Eastbound)**  
**Grosvenor Lane**

	VPH	#Lanes	
Left	144	2	--^
Thru	0	0	-->
Right		0	--v
R	CLV(W)= 393.79		

2 <= WB [receiving lanes]  
 CLV (N-S)= 925.74  
 CLV (E-W)= 393.79  
 || -----  
 V SUM CLV= 1319.5 ok  
 LOS= C/D EB => 2

**From EAST (Westbound)**  
**Gorsvenor Lane**

	#Lanes	VPH	R
NB ^--			Right
<--	1	187	Thru
v--	2	743	Left
	CLV(E)= 263.32		

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

CLV(S): (ok-under 1,525)  
 515.41 <- ^ ->  
 | | |  
 # Lanes= 0 3 1  
 VPH= 0 1393 1  

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

**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 & Grosvenor Lane  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (I2)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Grosvenor Lane

**Intersection CLV** **1084.1**  
**Level of Service** **B**

**From NORTH (Southbound)**  
**Rockville Pike**  

R	Right	Thru	Left	=VPH
^	180	2055	0	
R	1	3	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 760.35  
 RTOR

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

**From WEST (Eastbound)**  
**Grosvenor Lane**  

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

2 <= WB [receiving lanes]  
 CLV (N-S)= 782.92  
 CLV (E-W)= 301.22  
 || -----  
 V SUM CLV= 1084.1 ok  
 LOS= B EB => 2

**From EAST (Westbound)**  
**Grosvenor 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)  
 782.92 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

0	2116	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 and Pooks Hill Road  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMCC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I4)

<b>Scenario</b>	CLV-(Total Future) Alternative II (with slip ramps)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	Pooks Hill Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	Pooks Hill Road		

**Intersection CLV** 1551  
**Level of Service** E

**From NORTH (Southbound)**  
**Rockville Pike**

	Right	Thru	Left	
^	129	3483	0	=VPH
R	1	3	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 1358.7  
 RTOR

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

**From WEST (Eastbound)**  
**Pooks Hill Road**

	VPH	#Lanes	
Left	362	2	--^
Thru	0	0	-->
Right	155		--v
R	CLV(W)= 155		

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

**From EAST (Westbound)**  
**Pooks Hill Road**

	#Lanes	VPH	R
Right	0	0	
Thru	0	0	
Left	0	0	
	CLV(E)= 191.86		

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

CLV(S): \*->over 1,525!!  
 623.08 <- ^ ->  
 | | |  
 # Lanes= 1 3 0  
 VPH= 70 1684 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 and Pooks Hill Road  
**Location:** Montgomery County  
**Date:** #REF!  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (14)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Pooks Hill Road

**Intersection CLV** **1431**  
**Level of Service** **D/E**

**From NORTH (Southbound)**  
**Rockville Pike**  

	Right	Thru	Left	
^	384	2852	3	=VPH
R	1	3	0	=#Lanes

 ON LY | | | CLV(N):  
 for <- V -> 1127.4  
 RTOR

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

**From WEST (Eastbound)**  
**Pooks Hill Road**  

	VPH	#Lanes	
Left	362	2	--^
Thru	0	0	-->
Right			--v
R	CLV(W)=	0	

2 <= WB [receiving lanes]  
 CLV (N-S)= 1239.2  
 CLV (E-W)= 191.86  
 || -----  
 V SUM CLV= 1431 ok  
 LOS= D/E EB => 2

**From EAST (Westbound)**  
**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): (ok-under 1,525)  
 1239.2 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

71	3341	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 & West Cedar Lane  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMCC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (15)

<b>Scenario</b>	CLV-(Total Future) Alternative II (with slip ramps)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	West Cedar Lane	<b>Split Phase (Y)es/(N)o</b>	Y
<b>Westbound Approach</b>	West Cedar Lane		

**Intersection CLV** 1894  
**Level of Service** F

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^		3103	187	
R		3	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 1193.1  
 RTOR

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

**From WEST (Eastbound)**  
**West Cedar Lane**

	VPH	#Lanes	
Left	120	0	--^
Thru	306	3	-->
Right	161		--v
R	CLV(W)= 217.19		

2 <= WB [receiving lanes]  
 CLV (N-S)= 1193.1  
 CLV (E-W)= 700.41  
 SUM CLV= 1893.5 \*  
 LOS= F  
 EB => 2

**From EAST (Westbound)**  
**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!!  
 843.01 <- ^ ->  
 | | |  
 # Lanes= 1 3  
 VPH= 45 1656 117  

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 & West Cedar Lane  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (15)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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** West Cedar Lane **Split Phase (Y)es/(N)o** Y  
**Westbound Approach** West Cedar Lane

**Intersection CLV** **2054.77**  
**Level of Service** **F**

**From NORTH (Southbound)**

**Rockville Pike**

R	Right	Thru	Left	=VPH
^		1780	160	
R		3	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 824.6  
 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	184	
<b>R</b>	<b>CLV(W)= 468.05</b>	

**2** <= WB [receiving lanes]  
 CLV (N-S)= 1439.09  
 CLV (E-W)= 615.68  
 SB || -----  
 V SUM CLV= 2054.77 \*  
**3** LOS= F EB => **2**

**From EAST (Westbound)**

**West Cedar Lane**

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

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

CLV(S): \*->over 1,525!!  
 1439.09 <- ^ ->  
 | | |  
 # Lanes= 

1	3	
---	---	--

  
 VPH= 

166	3048	409
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:** Old Georgetown Road and West Cedar Lane  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I22)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**Peak Hour or Period** AM Peak Hour ( - am)  
**Northbound Approach** Old Georgetown Rd.  
**Southbound Approach** Old Georgetown Rd. **Split Phase (Y)es/(N)o** N  
**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	251	
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	112	Right
<--	1	22	Thru
v--	1	322	Left
	CLV(E)=	164	

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

CLV(S): (ok-under 1,525)  
 680.94 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

9	960	202
Left	Thru	Right

 R  
**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:** Old Georgetown Road and West Cedar Lane  
**Location:** Montgomery County  
**Date:** #REF!  
**Filename:** P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (I22)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** West Cedar Lane

**Intersection CLV** **1704.3**  
**Level of Service** **F**

**From NORTH (Southbound)**  
**Old Georgetown Rd.**  

R	Right	Thru	Left	=VPH
^	44	1381	384	
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)**  
**West Cedar Lane**  

	VPH	#Lanes	
Left	30	0	--^
Thru	47	1	-->
Right	23	0	--v
R	CLV(W)=	323	

2 <= WB [receiving lanes]  
 CLV (N-S)= 1369.3  
 CLV (E-W)= 335  
 || -----  
 V SUM CLV= 1704.3 \*  
 LOS= F EB => 2

**From EAST (Westbound)**  
**West Cedar Lane**  

	#Lanes	VPH	R
NB ^--	0	261	Right
<--	1	44	Thru
v--	1	223	Left
	CLV(E)=	335	

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

CLV(S): \*->over 1,525!!  
 1369.3 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

49	2161	502
Left	Thru	Right

 R  
**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 and West Cedar Lane  
**Location:** Montgomery County  
**Date:**  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I21)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** West Cedar Lane

**Intersection CLV** 588  
**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)**  
**West Cedar Lane**

	VPH	#Lanes	
Left	8	0	--^
Thru	539	2	-->
Right	16	0	--v
R	CLV(W)= 315.39		

2 <= WB [receiving lanes]  
 CLV (N-S)= 25  
 CLV (E-W)= 563  
 SUM CLV= 588 ok  
 LOS= A EB => 2

**From EAST (Westbound)**  
**West Cedar Lane**

	#Lanes	VPH	R
NB ^--	0	18	Right
<--	1	537	Thru
v--	1	17	Left
	CLV(E)= 563		

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.**  
**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 and West Cedar Lane  
**Location:** Montgomery County  
**Date:** #REF!  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (I21)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** West Cedar Lane

**Intersection CLV** **602**  
**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)**  
**West Cedar Lane**

	VPH	#Lanes	
Left	30	0	--^
Thru	863	2	-->
Right	0	0	--v
R	CLV(W)= 473.29		

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

**From EAST (Westbound)**  
**West Cedar Lane**

	#Lanes	VPH	R
0	20	Right	
1	524	Thru	
1	0	Left	
CLV(E)= 574			

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
------	------	-------

 R  
**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 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I6)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** North Drive

**Intersection CLV** 1549  
**Level of Service** E

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	386	3797	0	
R	0	3	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 1547.7  
 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	1	1	--v
R	CLV(W)=	1	

2 <= WB [receiving lanes]  
 CLV (N-S)= 1547.7  
 CLV (E-W)= 1  
 SUM CLV= 1548.7 \*  
 LOS= E EB => 2

**From EAST (Westbound)**  
**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!!  
 557.59 <- ^ ->  
 | | |  
 # Lanes= 0 3 0  
 VPH= 0 1507 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 Drive  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (16)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 Drive **Split Phase (Y)es/(N)o** N  
**Westbound Approach** North Drive

**Intersection CLV** **1338.3**  
**Level of Service** **D**

**From NORTH (Southbound)**  
**Rockville Pike**

	Right	Thru	Left	
^	6	2045	0	=VPH
R	0	3	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 758.87  
 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]  
 CLV (N-S)= 1338.3  
 CLV (E-W)= 0  
 SUM CLV= 1338.3 ok  
 LOS= D EB => 2

**From EAST (Westbound)**  
**North Drive**

	#Lanes	VPH	R
^--	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): (ok-under 1,525)  
 1338.3 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

0	3617	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 NPMC\Analysis\CLVs\MPH Updates for Report[CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (17)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)

**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** 1244  
**Level of Service** C

**From NORTH (Southbound)**

**Rockville Pike**

R	Right	Thru	Left	=VPH
^	0	3099	697	
R	0	3	1	=#Lanes
ON LY				CLV(N):
for	<-	V	->	1146.6
RTOR				

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

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

**North Wood Road**

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

CLV (N-S)= 1225.36  
CLV (E-W)= 19  
SUM CLV= 1244.36 ok  
LOS= C EB => 2

**From EAST (Westbound)** 2

**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)  
1225.4 <- ^ ->

# Lanes=	0	3	0
VPH=	0	1426	2
	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 & North Wood Road  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (17)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** North Wood Road

**Intersection CLV** **1483.6**  
**Level of Service** **E**

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	0	2249	68	
R	0	3	1	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 832.13  
 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	--v
R	CLV(W)=	2	

2 <= WB [receiving lanes]  
 CLV (N-S)= 1254.6  
 CLV (E-W)= 229  
 SUM CLV= 1483.6 ok  
 LOS= E EB => 2

**From EAST (Westbound)**  
**North Wood Road**

	#Lanes	VPH	R
NB ^--	1	297	Right
<--	1	2	Thru
v--	0	2	Left
	CLV(E)=	229	

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

CLV(S): (ok-under 1,525)  
 1254.6 <- ^ ->  
 | | |  
 # Lanes= 0 3 0  
 VPH= 3204 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 NNMCC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I8)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Wilson Drive

**Intersection CLV** 1444  
**Level of Service** D/E

**From NORTH (Southbound)**  
**Rockville Pike**  

R	Right	Thru	Left	=VPH
^	387	2840	2	
R	0	3	0	=#Lanes

 ON LY | | | CLV(N):  
 for <- V -> 1392.7  
 RTOR

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

**From WEST (Eastbound)**  
**Wilson Drive**  

	VPH	#Lanes	
Left	51	0	--^
Thru	0	2	-->
Right	6	0	--v

 CLV(W)= 30.21

2 <= WB [receiving lanes]  
 CLV (N-S)= 1392.7  
 CLV (E-W)= 51  
 SUM CLV= 1443.7 ok  
 LOS= D/E EB => 2

**From EAST (Westbound)**  
**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)  
 532.21 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

198	1433	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 & Wilson Drive  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (18)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Wilson Drive

<b>Intersection CLV</b> <b>Level of Service</b>	<b>1581.2</b> <b>E/F</b>	<b>From NORTH (Southbound)</b> <b>Rockville Pike</b>			<- If Split Phase:N-S!! Use "N" or "Y": N																																	
	<table border="1"> <tr><td>R</td><td>Right</td><td>Thru</td><td>Left</td><td>=VPH</td></tr> <tr><td>^</td><td>37</td><td>2304</td><td>4</td><td></td></tr> <tr><td>R</td><td>0</td><td>3</td><td>0</td><td>=#Lanes</td></tr> </table>	R	Right	Thru		Left	=VPH	^	37	2304	4		R	0	3	0	=#Lanes	ON LY       CLV(N): for <- V -> 867.65 RTOR																				
R	Right	Thru	Left	=VPH																																		
^	37	2304	4																																			
R	0	3	0	=#Lanes																																		
<b>From WEST (Eastbound)</b> <b>Wilson Drive</b>	2 <= WB [receiving lanes]	<table border="1"> <tr><td>Left</td><td>553</td><td>0</td><td>--^</td></tr> <tr><td>Thru</td><td>0</td><td>2</td><td>--&gt;</td></tr> <tr><td>Right</td><td>20</td><td>0</td><td>--v</td></tr> </table>	Left	553	0	--^	Thru	0	2	-->	Right	20	0	--v	CLV (N-S)= 1028.2 CLV (E-W)= 553 SUM CLV= 1581.2 * LOS= E/F EB => 2	<b>From EAST (Westbound)</b> <b>Wilson Drive</b>	<table border="1"> <tr><td>NB</td><td>^--</td><td>#Lanes</td><td>VPH</td><td>R</td></tr> <tr><td>&lt;--</td><td>0</td><td>0</td><td>0</td><td>Right</td></tr> <tr><td>v--</td><td>0</td><td>0</td><td>0</td><td>Thru</td></tr> <tr><td></td><td>0</td><td>0</td><td>0</td><td>Left</td></tr> </table>	NB	^--	#Lanes	VPH	R	<--	0	0	0	Right	v--	0	0	0	Thru		0	0	0	Left	CLV(E)= 553 E2,N9,K19,A13 RTOR=R If # Lanes=0, then Rights use Thru Lane Left Turns use Thru Lane MUST hit CALC-F9
Left	553	0	--^																																			
Thru	0	2	-->																																			
Right	20	0	--v																																			
NB	^--	#Lanes	VPH	R																																		
<--	0	0	0	Right																																		
v--	0	0	0	Thru																																		
	0	0	0	Left																																		
If Split Phase:E-W!! Use "N" or "Y": N		<table border="1"> <tr><td># Lanes=</td><td>1</td><td>3</td><td>0</td></tr> <tr><td>VPH=</td><td>0</td><td>2765</td><td>3</td></tr> <tr><td></td><td>Left</td><td>Thru</td><td>Right</td></tr> </table>	# Lanes=	1	3	0	VPH=	0	2765	3		Left	Thru	Right	<b>Rockville Pike</b> <b>From SOUTH (Northbound)</b>																							
# Lanes=	1	3	0																																			
VPH=	0	2765	3																																			
	Left	Thru	Right																																			

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

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** South Wood Road

**Intersection CLV** 1188  
**Level of Service** C

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	196	2414	116	
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]  
 ^  
 ||  
 NB ^--  
 <--  
 v--  
 2 LOS= C EB => 2

**From EAST (Westbound)**  
**South Wood Road**

	#Lanes	VPH	R
Right	1	165	
Thru	1	11	
Left	0	42	

CLV(E)= 108

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

CLV(S): (ok-under 1,525)  
 578.13 <- ^ ->  
 | | |  
 # Lanes= 1 3 0  
 VPH= 104 1095 154  
 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 & South Wood Road  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (19)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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** **1207.2**  
**Level of Service** **C**

**From NORTH (Southbound)**  
**Rockville Pike**  

R	Right	Thru	Left	=VPH
^	97	2036	79	
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	--v

 CLV(W)= 289

2 <= WB [receiving lanes]  
 CLV (N-S)= 880.21  
 CLV (E-W)= 327  
 SUM CLV= 1207.2 ok  
 LOS= C EB => 2

**From EAST (Westbound)**  
**South Wood Road**  

	#Lanes	VPH	R
NB ^--	1	236	Right
<--	1	18	Thru
v--	0	97	Left

 CLV(E)= 327

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

CLV(S): (ok-under 1,525)  
 877.83 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

91	2070	89
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 NNMCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I10)

<b>Scenario</b>	CLV-(Total Future) Alternative II (with slip ramps)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Rockville Pike	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Rockville Pike		
<b>Eastbound Approach</b>	Jones Bridge Road	<b>Split Phase (Y)es/(N)o</b>	Y
<b>Westbound Approach</b>	Jones Bridge Road		

**Intersection CLV** 1365  
**Level of Service** D

**From NORTH (Southbound)**  
**Rockville Pike**

R	Right	Thru	Left	=VPH
^	119	2164	288	
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)**  
**Jones Bridge Road**

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

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

**From EAST (Westbound)**  
**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)  
 740.88 <- ^ ->  
 | | |  
 # Lanes= 1 3 1  
 VPH= 89 1224 271  
 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:** 0  
**Filename:** P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (110)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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** 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	
^	12	1616	557	=VPH
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 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I23)

<b>Scenario</b>	CLV-(Total Future) Alternative II (with slip ramps)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Gunnel Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Gunnel Road		
<b>Eastbound Approach</b>	Jones Bridge Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	Jones Bridge Road		

**Intersection CLV** 1056  
**Level of Service** B

**From NORTH (Southbound)**  
**Gunnel Road**

R	Right	Thru	Left	=VPH
^	63	0	107	
R	0	1	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 175  
 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]  
 CLV (N-S)= 175  
 CLV (E-W)= 880.62  
 SUM CLV= 1055.6 ok  
 LOS= B EB => 2

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

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

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

CLV(S): (ok-under 1,525)  
 114 <- ^ ->  
 | | |  
 # Lanes= 

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

  
 VPH= 

5	0	2
---	---	---

  

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 & Gunnel Road  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (I23)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Jones Bridge Road

**Intersection CLV** **1100.3**  
**Level of Service** **B**

**From NORTH (Southbound)**  
**Gunnel Road**  

R	Right	Thru	Left	=VPH
^	205	0	166	
R	0	1	0	=#Lanes

 ON LY | | | CLV(N):  
 for <- V -> 381  
 RTOR

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

**From WEST (Eastbound)**  
**Jones Bridge Road**

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

2 <= WB [receiving lanes]  
 CLV (N-S)= 381  
 CLV (E-W)= 719.32  
 || -----  
 V SUM CLV= 1100.3 ok  
 LOS= B EB => 2

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

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

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

CLV(S): (ok-under 1,525)  
 182 <- ^ ->  
 | | |  
 # 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 (with slip ramps).xls]AM Peak (I24)

<b>Scenario</b>	CLV-(Total Future) Alternative II (with slip ramps)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	Grier Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	Grier Road		
<b>Eastbound Approach</b>	Jones Bridge Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	Jones Bridge Road		

**Intersection CLV** 846  
**Level of Service** A

**From NORTH (Southbound)**  
**Grier Road**

R	Right	Thru	Left	=VPH
^	1	0	0	
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)**  
**Jones Bridge Road**

	VPH	#Lanes	
Left	0	1	--^
Thru	917	2	-->
Right	0	0	--v
R	CLV(W)= 486.01		

2 <= WB [receiving lanes]  
 CLV (N-S)= 1  
 CLV (E-W)= 844.82  
 || -----  
 V SUM CLV= 845.82 ok  
 LOS= A EB => 2

**From EAST (Westbound)**  
**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
------	------	-------

 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 & Grier Road  
**Location:** Montgomery County  
**Date:** 0  
**Filename:** P:\2080-001 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (I24)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** Jones Bridge Road

**Intersection CLV** 1222  
**Level of Service** C

**From NORTH (Southbound)**  
**Grier Road**

R	Right	Thru	Left	=VPH
^	84	0	219	
R	0	1	0	=#Lanes

ON LY | | | CLV(N):  
 for <- V -> 303  
 RTOR

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

**From WEST (Eastbound)**  
**Jones Bridge Road**

	VPH	#Lanes	
Left	0	1	--^
Thru	1734	2	-->
Right	0	0	--v
R	CLV(W)= 919.02		

2 <= WB [receiving lanes]  
 CLV (N-S)= 303  
 CLV (E-W)= 919.02  
 || -----  
 V SUM CLV= 1222 ok  
 LOS= C EB => 2

**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)  
 219 <- ^ ->  
 | | |  
 # 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 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I25)

<b>Scenario</b>	CLV-(Total Future) Alternative II (with slip ramps)		
<b>Peak Hour or Period</b>	AM Peak Hour ( - am)		
<b>Northbound Approach</b>	University Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Southbound Approach</b>	University Road		
<b>Eastbound Approach</b>	Jones Bridge Road	<b>Split Phase (Y)es/(N)o</b>	N
<b>Westbound Approach</b>	Jones Bridge Road		

<b>Intersection CLV</b>	860
<b>Level of Service</b>	A

**From NORTH (Southbound)**  
**University Road**

R	Right	Thru	Left	=VPH
^	0	0		
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	4	1	--^
Thru	984	2	-->
Right	0	0	--v
R	CLV(W)= 521.52		

2 <= WB [receiving lanes]

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

**From EAST (Westbound)**  
**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 NNCMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]PM Peak (I25)

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

**Intersection CLV** **1100.3**  
**Level of Service** **B**

**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	2076	2	-->
Right		0	--v
R	CLV(W)= 1100.3		

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

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

#Lanes	VPH	R
1	0	Right
2	656	Thru
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 NNCM\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (with slip ramps).xls]AM Peak (I26)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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** 1928  
**Level of Service** F

**From NORTH (Southbound)**  
**Connecticut Avenue**

R	Right	Thru	Left
^	1043	2375	2
R	0	3	0

=VPH  
 =#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	311	2
Thru	257	2
Right	68	

R CLV(W)= 172.25  
 CLV (N-S)= 1265.4  
 CLV (E-W)= 662.21  
 SUM CLV= 1927.6 \*  
 LOS= F EB => 2

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

	#Lanes	VPH	
0	211	Right	
3	569	Thru	
0	28	Left	

CLV(E)= 298.96

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

**Connecticut Avenue**  
**From SOUTH (Northbound)**

# Lanes=	0	3	0
VPH=	0	1781	51
	Left	Thru	Right

CLV(S): \*->over 1,525!!  
 679.84 <- ^ ->  
 | | |

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 (with slip ramps).xls]PM Peak (I26)

**Scenario** CLV-(Total Future) Alternative II (with slip ramps)  
**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** 2033.87  
**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(Southbound)**  
**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	1201	2	--^
Thru	655	2	-->
Right	104		--v
R	CLV(W)=	636.53	

2 <= WB [receiving lanes]

CLV (N-S)= 1067.34  
 CLV (E-W)= 966.53  
 SUM CLV= 2033.87 \*  
 LOS= F EB => 2

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

	#Lanes	VPH	
NB ^--	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!!  
 1067.34 <- ^ ->  
 | | |  
 # 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:** Old Georgetown Rd and West Cedar Lane

**Location:** Montgomery County

**Date:**

**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (spot improvements).xls\AM Peak (122)

**Scenario** Total Future Alternative II (with spot improvements)

**Peak Hour or Period** AM Peak Hour ( - am)

**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** 1323  
**Level of Service** D

**From NORTH (Southbound)**  
**Old Georgetown Rd.**

R	Right	Thru	Left	=VPH
^	20	2431	373	
R	0	3	2	=#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
-----	
SUM CLV=	1322.87 ok
LOS=	D
EB =>	2

**From EAST (Westbound)**  
**West Cedar Lane**

	#Lanes	VPH	R
NB ^--	0	322	Right
<--	1	22	Thru
v--	1	322	Left
CLV(E)=	374		

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

CLV(S):	(ok-under 1,525)		
627.63	<-	^	->
# Lanes=	1	3	0
VPH=	9	960	202
	Left	Thru	Right
	R		

**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:** Old Georgetown Rd and West Cedar Lane  
**Location:** Montgomery County  
**Date:** #REF!  
**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (spot improvements).xls\PM Peak (I22)

**Scenario** Total Future Alternative II (with spot improvements)  
**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 **Split Phase (Y)es/(N)o** N  
**Westbound Approach** West Cedar Lane

**Intersection CLV** 1647.22  
**Level of Service** F

**From NORTH (Southbound)**  
**Old Georgetown Rd.**

R	Right	Thru	Left	
^	44	1381	447	=VPH
R	0	3	2	=#Lanes
ON LY				CLV(N):
for	<-	V	->	576.25
RTOR				

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

**From WEST (Eastbound)**  
**West Cedar Lane**

	VPH	#Lanes	
Left	30	0	--^
Thru	47	1	-->
Right	23	0	--v
R	CLV(W)= 323		

2 <= WB [receiving lanes]  
 CLV (N-S)= 1222.22  
 CLV (E-W)= 425  
 || -----  
 V SUM CLV= 1647.22 \*  
 2 LOS= F EB => 2

**From EAST (Westbound)**  
**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!!  
 1222.22 <- ^ ->  
 | | |  
 # Lanes= 1 3 0  
 VPH= 49 2161 502  

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

 R

**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:** 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 (spot improvements).xls\AM Peak (I10)

**Scenario** Total Future Alternative II (with spot improvements)

**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** 1371  
**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)**

**Jones Bridge Road**

	VPH	#Lanes	
Left	17	1	--^
Thru	12	2	-->
Right	29	0	--v
R	CLV(W)= 21.73		

2 <= WB [receiving lanes]

CLV (N-S)= 933.71

SB CLV (E-W)= 437.61

|| -----

V SUM CLV= 1371.32 ok

2 LOS= D EB => 2

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

837.15 <- ^ ->

# Lanes=	1	3	
VPH=	89	1224	271
	Left	Thru	Right

**Rockville Pike**

**From SOUTH (Northbound)**

2 **From EAST (Westbound)**

**Jones Bridge Road**

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

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

**Project Name:** National Navy Medical Center

**Intersection:** Rockville Pike & Jones Bridge Road

**Location:** Montgomery County

**Date:** 0

**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (spot improvements).xls\PM Peak (I10)

**Scenario** Total Future Alternative II (with spot improvements)

**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** Jones Bridge Road

**Westbound Approach** Jones Bridge Road

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

**Intersection CLV** 1667.56  
**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	1
Thru	276	2
Right	79	0
R	CLV(W)= 188.15	

2 <= WB [receiving lanes]

CLV (N-S)= 1303.29  
CLV (E-W)= 364.27

SUM CLV= 1667.56 \*  
LOS= F

**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!!  
1303.29 <- ^ ->

# Lanes=	1	3	
VPH=	20	2017	
	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:** Jones Bridge Road & Connecticut Avenue

**Location:** Montgomery County

**Date:**

**Filename:** P:\2080-001 NNMC\Analysis\CLVs\MPH Updates for Report\CLV-(Total Future) Alternative II (spot improvements).xls\AM Peak (126)

**Scenario** Total Future Alternative II (with spot improvements)  
**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** 1589  
**Level of Service** E/F

**From NORTH (Southbound)**  
**Connecticut Avenue**

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

ON LY | | | CLV(N):  
for <- V -> 879.49  
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	0	--^
Thru	270	4	-->
Right	68		--v
R	CLV(W)=	202.5	

2 <= WB [receiving lanes]  
CLV (N-S)= 879.49  
CLV (E-W)= 709.91  
SUM CLV= 1589.4 \*  
LOS= E/F EB => 2

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

	#Lanes	VPH	
NB ^--	1	211	Right
<--	2	569	Thru
v--	0	28	Left
	CLV(E)=	316.41	

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

CLV(S): \*->over 1,525!!  
679.84 <- ^ ->  
| | |  
# Lanes= 0 3 0  
VPH= 0 1781 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 (spot improvements).xls\PM Peak (I26)

**Scenario** Total Future Alternative II (with spot improvements)  
**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** 2017.74  
**Level of Service** F

**From NORTH (Southbound)**  
**Connecticut Avenue**

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

ON LY | | | CLV(N):  
for <- V -> 580.9  
RTOR

**From NORTHEAST(Southbound)**  
**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	0	--^
Thru	690	4	-->
Right	104		--v
R	CLV(W)=	620.4	

2 <= WB [receiving lanes]  
 CLV (N-S)= 1067.34  
 CLV (E-W)= 950.4  
 SUM CLV= 2017.74 \*  
 LOS= F EB => 2

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

	#Lanes	VPH	
NB ^--	1	294	Right
<--	2	283	Thru
v--	0	59	Left
	CLV(E)=	294	

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

CLV(S): \*->over 1,525!!  
 1067.34 <- ^ ->  
 | | |  
 # 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