

**Congestion Management Plan Update**  
Montgomery MPO

---

***PC-Travel Reports for study: S US-231 PM SB Study***

<u>Report Name</u>	<u>Page</u>
Study Summary .....	2
Overall Output Statistics .....	3
Detailed Statistics By Run - Travel Times .....	4
Detailed Statistics By Run - Average Speed .....	5
Detailed Statistics By Run - Total Delay .....	6
Detailed Statistics By Run - Time <= 0 MPH .....	7
Detailed Statistics By Run - Time <= 40 MPH .....	8
Detailed Statistics By Run - Time <= 55 MPH .....	9
Speed/Distance Profiles of All Runs .....	10

# Congestion Management Plan Update Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **2**

## Study Summary

### *Runs Used in This Study*

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
S US-231 PM-SB-001 t	11/05/13	17:34	20067	Before	Secondary
S US-231 PM-SB-002 t	12/19/13	16:13	20117	Before	Secondary
S US-231 PM-SB-003 t	12/19/13	16:31	20043	Before	Secondary

**Notes:**

### *Node Info*

#	Len	Name
1	0	South Blvd
2	1815	Virginia Loop Rd /
3	1124	Catherine Dr
4	446	Park Towne Way
5	1813	Business Park Dr
6	2436	Radio Rd
7	668	Cherry Hill Rd / Kyser Ct
8	796	Provost Ave / Bell Rd
9	1018	Jack Pine Dr
10	1476	Brewbaker Dr
11	3253	Perimeter Pkwy
12	1138	Perimeter Pkwy
13	2222	Unnamed Rd
14	1881	Taylor Rd

Length of Study Route = 20,086 feet

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **3**

### Overall Output Statistics

Node #	Length	Node	Travel Time	# of Stops	Avg Speed	Total Delay	Time <= 0 MPH	Time <= 40 MPH	Time <= 55 MPH
1	0	South Blvd							
2	1815	Virginia Loop Rd / Christine	94.3	1.3	13.1	71.3	21.0	90.0	94.3
3	1124	Catherine Dr	19.7	0.0	39.0	5.7	0.0	11.0	18.0
4	446	Park Towne Way	6.7	0.0	45.6	1.0	0.0	3.0	5.0
5	1813	Business Park Dr	23.0	0.0	53.7	1.3	0.0	1.3	14.7
6	2436	Radio Rd	32.3	0.0	51.4	3.3	0.0	5.0	21.0
7	668	Cherry Hill Rd / Kyser Ct	13.0	0.0	35.0	4.3	0.0	9.7	13.0
8	796	Provost Ave / Bell Rd	12.3	0.0	44.0	2.0	0.0	1.7	12.3
9	1018	Jack Pine Dr	13.7	0.0	50.8	0.3	0.0	0.0	10.0
10	1476	Brewbaker Dr	17.7	0.0	57.0	0.3	0.0	0.0	6.0
11	3253	Perimeter Pkwy	34.7	0.0	64.0	0.0	0.0	0.0	0.0
12	1138	Perimeter Pkwy	12.0	0.0	64.7	0.0	0.0	0.0	0.0
13	2222	Unnamed Rd	25.0	0.0	60.6	0.3	0.0	0.0	7.3
14	1881	Taylor Rd	38.0	0.7	33.8	15.3	2.3	18.3	28.3
<b>Total</b>	<b>20,086</b>		<b>342.3</b>	<b>2.0</b>	<b>40.0</b>	<b>105.3</b>	<b>23.3</b>	<b>140.0</b>	<b>230.0</b>

Stats based on 3 BEFORE runs.  
 Stops based on a Stop Speed of 5 MPH.  
 Total Delay based on a Normal Speed of 55 MPH.

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **4**

### Detailed Statistics By Run

#### Travel Time (sec) by Section

*S US-231 PM-SB-001 t*  
*S US-231 PM-SB-002 t*  
*S US-231 PM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	South Blvd			
2	1815	Virginia Loop Rd /	126	35	122
3	1124	Catherine Dr	27	17	15
4	446	Park Towne Way	9	6	5
5	1813	Business Park Dr	27	23	19
6	2436	Radio Rd	37	34	26
7	668	Cherry Hill Rd / Kyser Ct	15	12	12
8	796	Provost Ave / Bell Rd	14	12	11
9	1018	Jack Pine Dr	15	13	13
10	1476	Brewbaker Dr	20	16	17
11	3253	Perimeter Pkwy	36	34	34
12	1138	Perimeter Pkwy	13	13	10
13	2222	Unnamed Rd	29	24	22
14	1881	Taylor Rd	44	22	48
<b>Totals</b>	<b>20086</b>		<b>412</b>	<b>261</b>	<b>354</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **5**

### Detailed Statistics By Run

#### Average Speed (MPH) by Section

S US-231 PM-SB-001 t  
 S US-231 PM-SB-002 t  
 S US-231 PM-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	South Blvd			
2	1815	Virginia Loop Rd /	10.0	36.4	10.4
3	1124	Catherine Dr	28.1	44.5	51.2
4	446	Park Towne Way	35.6	49.5	61.4
5	1813	Business Park Dr	45.0	53.7	64.3
6	2436	Radio Rd	44.8	49.2	63.3
7	668	Cherry Hill Rd / Kyser Ct	29.9	37.5	38.5
8	796	Provost Ave / Bell Rd	41.0	44.8	49.1
9	1018	Jack Pine Dr	47.2	55.6	53.7
10	1476	Brewbaker Dr	50.4	64.3	60.1
11	3253	Perimeter Pkwy	60.3	63.8	66.2
12	1138	Perimeter Pkwy	62.4	61.1	72.2
13	2222	Unnamed Rd	52.1	63.4	70.8
14	1881	Taylor Rd	28.5	57.2	25.6
<b>Totals</b>	<b>20086</b>		<b>33.3</b>	<b>52.6</b>	<b>38.7</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **6**

### Detailed Statistics By Run

#### Total Delay (sec) by Section

*S US-231 PM-SB-001 t*  
*S US-231 PM-SB-002 t*  
*S US-231 PM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	South Blvd			
2	1815	Virginia Loop Rd /	103	12	99
3	1124	Catherine Dr	13	3	1
4	446	Park Towne Way	3	0	0
5	1813	Business Park Dr	4	0	0
6	2436	Radio Rd	7	3	0
7	668	Cherry Hill Rd / Kyser Ct	7	3	3
8	796	Provost Ave / Bell Rd	3	2	1
9	1018	Jack Pine Dr	1	0	0
10	1476	Brewbaker Dr	1	0	0
11	3253	Perimeter Pkwy	0	0	0
12	1138	Perimeter Pkwy	0	0	0
13	2222	Unnamed Rd	1	0	0
14	1881	Taylor Rd	21	0	25
Totals	20086		164	23	129

Total Delay based on a Normal Speed of 55 MPH.

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **7**

### Detailed Statistics By Run

#### Time <= 0 MPH by Section

S US-231 PM-SB-001 t  
 S US-231 PM-SB-002 t  
 S US-231 PM-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	South Blvd			
2	1815	Virginia Loop Rd /	24	0	39
3	1124	Catherine Dr	0	0	0
4	446	Park Towne Way	0	0	0
5	1813	Business Park Dr	0	0	0
6	2436	Radio Rd	0	0	0
7	668	Cherry Hill Rd / Kyser Ct	0	0	0
8	796	Provost Ave / Bell Rd	0	0	0
9	1018	Jack Pine Dr	0	0	0
10	1476	Brewbaker Dr	0	0	0
11	3253	Perimeter Pkwy	0	0	0
12	1138	Perimeter Pkwy	0	0	0
13	2222	Unnamed Rd	0	0	0
14	1881	Taylor Rd	3	0	4
<b>Totals</b>	<b>20086</b>		<b>27</b>	<b>0</b>	<b>43</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **8**

### Detailed Statistics By Run

#### Time <= 40 MPH by Section

*S US-231 PM-SB-001 t*  
*S US-231 PM-SB-002 t*  
*S US-231 PM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	South Blvd			
2	1815	Virginia Loop Rd /	126	22	122
3	1124	Catherine Dr	27	5	1
4	446	Park Towne Way	9	0	0
5	1813	Business Park Dr	4	0	0
6	2436	Radio Rd	10	5	0
7	668	Cherry Hill Rd / Kyser Ct	15	6	8
8	796	Provost Ave / Bell Rd	5	0	0
9	1018	Jack Pine Dr	0	0	0
10	1476	Brewbaker Dr	0	0	0
11	3253	Perimeter Pkwy	0	0	0
12	1138	Perimeter Pkwy	0	0	0
13	2222	Unnamed Rd	0	0	0
14	1881	Taylor Rd	26	0	29
<b>Totals</b>	<b>20086</b>		<b>222</b>	<b>38</b>	<b>160</b>



# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM SB Study**  
 Study Date : **11/5/2013**  
 Page No. : **9**

### Detailed Statistics By Run

#### Time <= 55 MPH by Section

S US-231 PM-SB-001 t  
 S US-231 PM-SB-002 t  
 S US-231 PM-SB-003 t

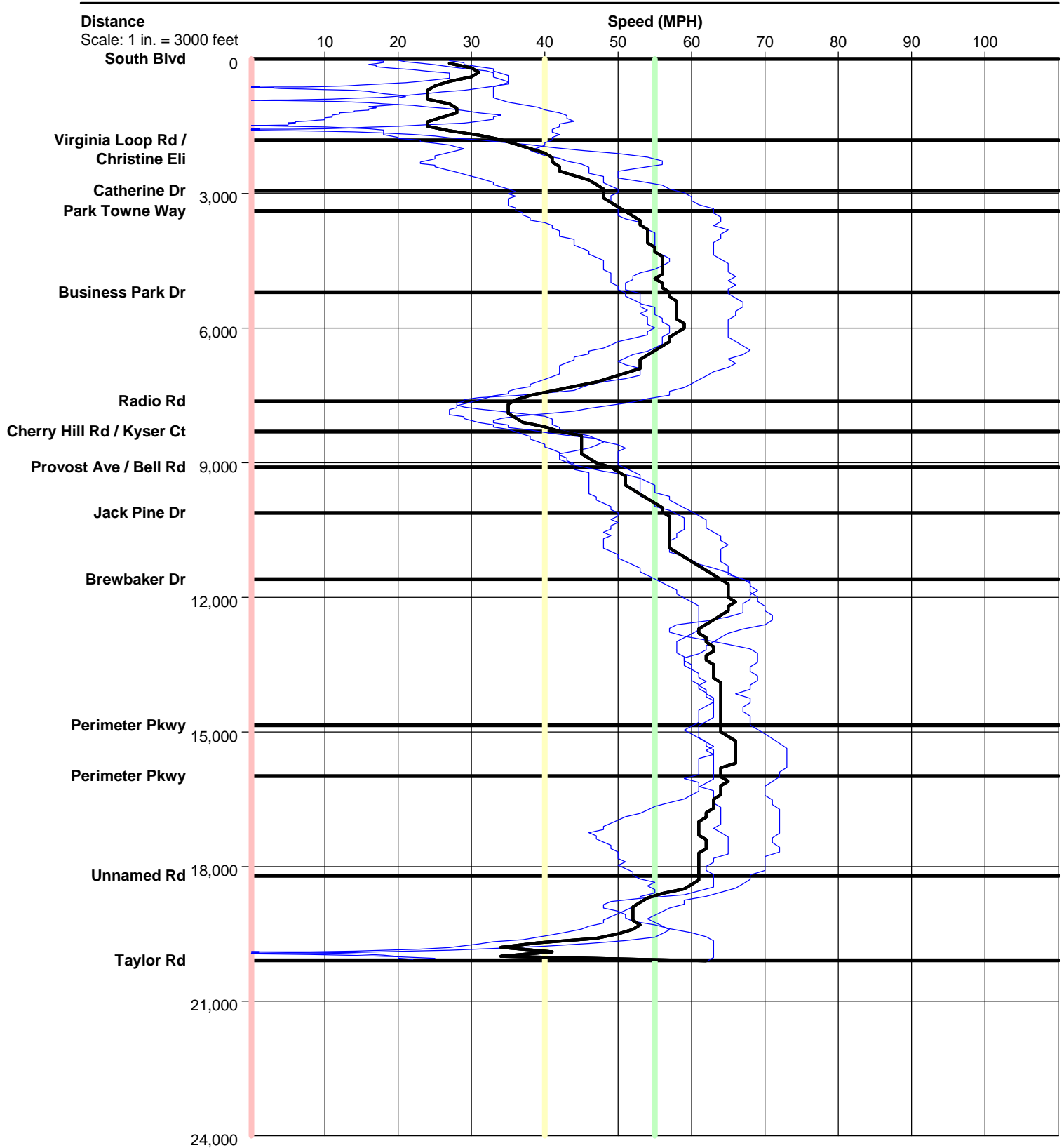
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	South Blvd			
2	1815	Virginia Loop Rd /	126	35	122
3	1124	Catherine Dr	27	17	10
4	446	Park Towne Way	9	6	0
5	1813	Business Park Dr	27	17	0
6	2436	Radio Rd	37	24	2
7	668	Cherry Hill Rd / Kyser Ct	15	12	12
8	796	Provost Ave / Bell Rd	14	12	11
9	1018	Jack Pine Dr	15	5	10
10	1476	Brewbaker Dr	18	0	0
11	3253	Perimeter Pkwy	0	0	0
12	1138	Perimeter Pkwy	0	0	0
13	2222	Unnamed Rd	22	0	0
14	1881	Taylor Rd	43	8	34
<b>Totals</b>	<b>20086</b>		<b>353</b>	<b>136</b>	<b>201</b>

# Congestion Management Plan Update

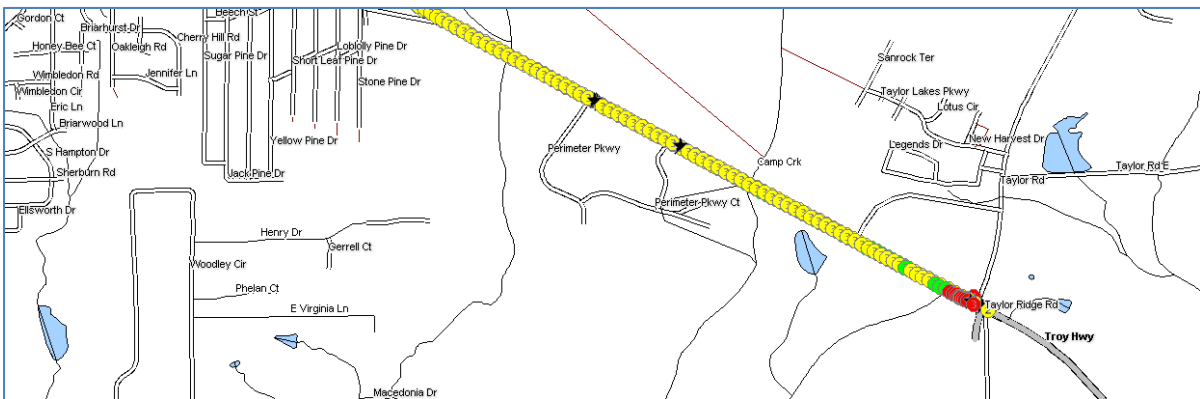
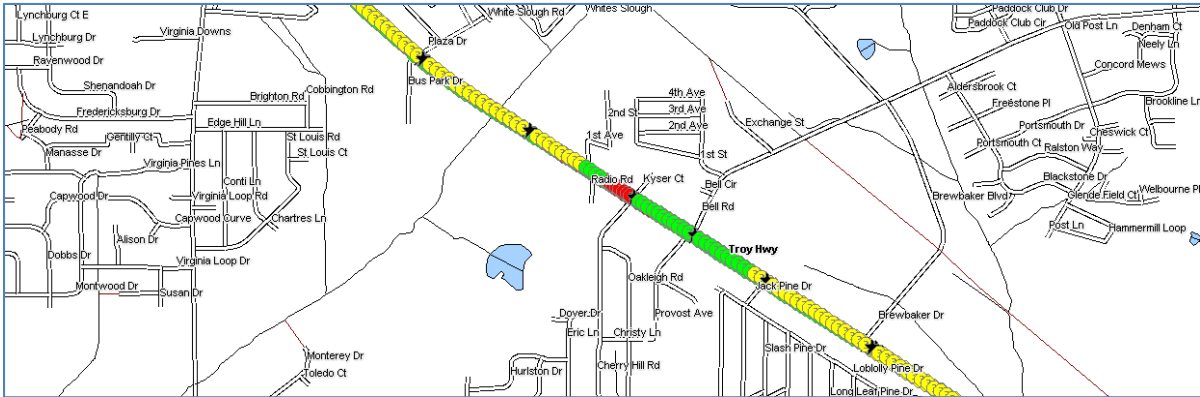
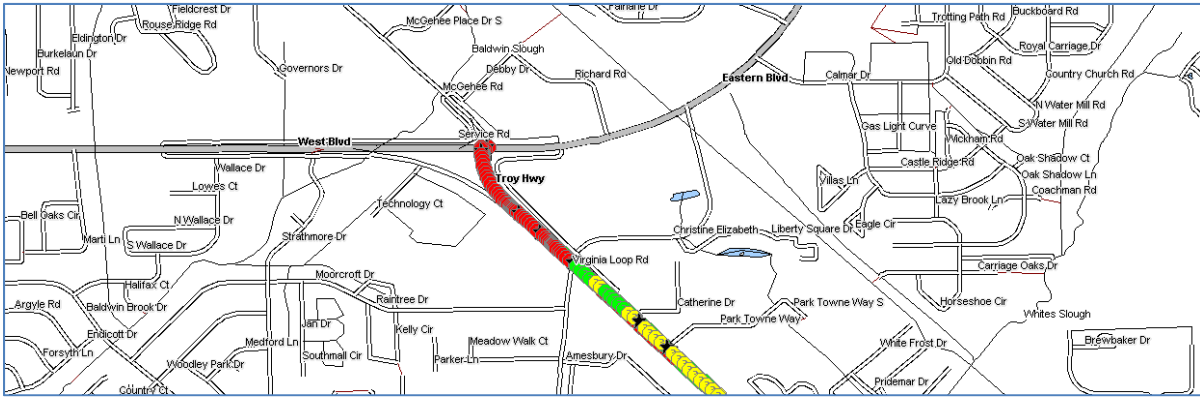
## Montgomery MPO

Study Name : S US-231 PM SB Study  
Study Date : 11/5/2013  
Page No. : 10

### Speed/Distance Profiles of All Runs



# S US-231 PM SB



Color Code Speeds

Speed 1	0	To	40
Speed 2	40	To	55
Speed 3	55	To	99