

**Congestion Management Plan Update**  
Montgomery MPO

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

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# Congestion Management Plan Update Montgomery MPO

Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
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## Study Summary

### *Runs Used in This Study*

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
S US-231 PM-NB-001 t	12/19/13	16:01	19975	Before	Secondary
S US-231 PM-NB-002 t	12/19/13	16:20	20044	Before	Secondary
S US-231 PM-NB-003 t	12/19/13	16:39	20131	Before	Secondary

**Notes:**

### *Node Info*

#	Len	Name
1	0	Taylor Rd
2	1868	Unnamed Rd
3	2178	Perimeter Pkwy
4	1120	Perimeter Pkwy
5	3308	Brewbaker Dr
6	1437	Jack Pine Dr
7	1079	Provost Ave / Bell Rd
8	816	Cherry Hill Rd / Kyser Ct
9	597	Radio Rd
10	2443	Business Park Dr
11	1778	Park Towne Way
12	496	Catherine Dr
13	1079	Virginia Loop Rd /
14	1711	South Blvd

Length of Study Route = 19,910 feet

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
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### 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	Taylor Rd							
2	1868	Unnamed Rd	23.0	0.0	55.4	1.0	0.0	4.0	7.3
3	2178	Perimeter Pkwy	20.3	0.0	73.0	0.0	0.0	0.0	0.0
4	1120	Perimeter Pkwy	10.3	0.0	73.9	0.0	0.0	0.0	0.0
5	3308	Brewbaker Dr	30.0	0.0	75.2	0.0	0.0	0.0	0.0
6	1437	Jack Pine Dr	14.7	0.0	66.8	0.0	0.0	0.0	1.0
7	1079	Provost Ave / Bell Rd	27.0	0.3	27.2	14.7	2.0	17.3	19.3
8	816	Cherry Hill Rd / Kyser Ct	10.3	0.0	53.8	1.0	0.0	1.3	4.3
9	597	Radio Rd	7.0	0.0	58.1	0.0	0.0	0.0	1.0
10	2443	Business Park Dr	25.7	0.0	64.9	0.0	0.0	0.0	0.0
11	1778	Park Towne Way	19.7	0.0	61.6	0.0	0.0	0.0	0.7
12	496	Catherine Dr	7.0	0.0	48.3	0.7	0.0	1.7	6.0
13	1079	Virginia Loop Rd / Christine	72.3	1.3	10.2	58.7	20.7	65.0	70.0
14	1711	South Blvd	59.3	0.7	19.7	38.0	9.3	45.3	59.3
<b>Total</b>	<b>19,910</b>		<b>326.7</b>	<b>2.3</b>	<b>41.6</b>	<b>114.0</b>	<b>32.0</b>	<b>134.7</b>	<b>169.0</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.

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## Montgomery MPO

Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
 Page No. : **4**

### Detailed Statistics By Run

#### Travel Time (sec) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	26	24	19
3	2178	Perimeter Pkwy	21	20	20
4	1120	Perimeter Pkwy	11	10	10
5	3308	Brewbaker Dr	30	31	29
6	1437	Jack Pine Dr	16	14	14
7	1079	Provost Ave / Bell Rd	13	57	11
8	816	Cherry Hill Rd / Kyser Ct	9	13	9
9	597	Radio Rd	7	8	6
10	2443	Business Park Dr	26	28	23
11	1778	Park Towne Way	19	21	19
12	496	Catherine Dr	9	6	6
13	1079	Virginia Loop Rd /	129	74	14
14	1711	South Blvd	43	33	102
<b>Totals</b>	<b>19910</b>		<b>359</b>	<b>339</b>	<b>282</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
 Page No. : **5**

### Detailed Statistics By Run

#### Average Speed (MPH) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	51.2	53.5	67.6
3	2178	Perimeter Pkwy	70.4	75.1	74.2
4	1120	Perimeter Pkwy	71.2	75.6	78.0
5	3308	Brewbaker Dr	74.5	74.0	77.3
6	1437	Jack Pine Dr	60.1	67.9	69.3
7	1079	Provost Ave / Bell Rd	57.6	12.7	66.9
8	816	Cherry Hill Rd / Kyser Ct	57.8	42.8	66.4
9	597	Radio Rd	59.0	55.3	67.0
10	2443	Business Park Dr	66.0	58.7	71.3
11	1778	Park Towne Way	61.2	59.2	65.5
12	496	Catherine Dr	38.9	53.8	53.3
13	1079	Virginia Loop Rd /	5.6	9.9	54.1
14	1711	South Blvd	27.5	35.2	11.1
<b>Totals</b>	<b>19910</b>		<b>37.9</b>	<b>40.1</b>	<b>48.2</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
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### Detailed Statistics By Run

#### Total Delay (sec) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	2	1	0
3	2178	Perimeter Pkwy	0	0	0
4	1120	Perimeter Pkwy	0	0	0
5	3308	Brewbaker Dr	0	0	0
6	1437	Jack Pine Dr	0	0	0
7	1079	Provost Ave / Bell Rd	0	44	0
8	816	Cherry Hill Rd / Kyser Ct	0	3	0
9	597	Radio Rd	0	0	0
10	2443	Business Park Dr	0	0	0
11	1778	Park Towne Way	0	0	0
12	496	Catherine Dr	2	0	0
13	1079	Virginia Loop Rd /	116	60	0
14	1711	South Blvd	21	12	81
Totals	19910		141	120	81

Total Delay based on a Normal Speed of 55 MPH.

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
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### Detailed Statistics By Run

#### Time <= 0 MPH by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	0	0	0
3	2178	Perimeter Pkwy	0	0	0
4	1120	Perimeter Pkwy	0	0	0
5	3308	Brewbaker Dr	0	0	0
6	1437	Jack Pine Dr	0	0	0
7	1079	Provost Ave / Bell Rd	0	6	0
8	816	Cherry Hill Rd / Kyser Ct	0	0	0
9	597	Radio Rd	0	0	0
10	2443	Business Park Dr	0	0	0
11	1778	Park Towne Way	0	0	0
12	496	Catherine Dr	0	0	0
13	1079	Virginia Loop Rd /	45	17	0
14	1711	South Blvd	0	0	28
Totals	19910		45	23	28

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
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### Detailed Statistics By Run

#### Time <= 40 MPH by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	6	6	0
3	2178	Perimeter Pkwy	0	0	0
4	1120	Perimeter Pkwy	0	0	0
5	3308	Brewbaker Dr	0	0	0
6	1437	Jack Pine Dr	0	0	0
7	1079	Provost Ave / Bell Rd	0	52	0
8	816	Cherry Hill Rd / Kyser Ct	0	4	0
9	597	Radio Rd	0	0	0
10	2443	Business Park Dr	0	0	0
11	1778	Park Towne Way	0	0	0
12	496	Catherine Dr	5	0	0
13	1079	Virginia Loop Rd /	129	66	0
14	1711	South Blvd	36	17	83
<b>Totals</b>	<b>19910</b>		<b>176</b>	<b>145</b>	<b>83</b>



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Study Name : **S US-231 PM NB Study**  
 Study Date : **12/19/2013**  
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### Detailed Statistics By Run

#### Time <= 55 MPH by Section

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

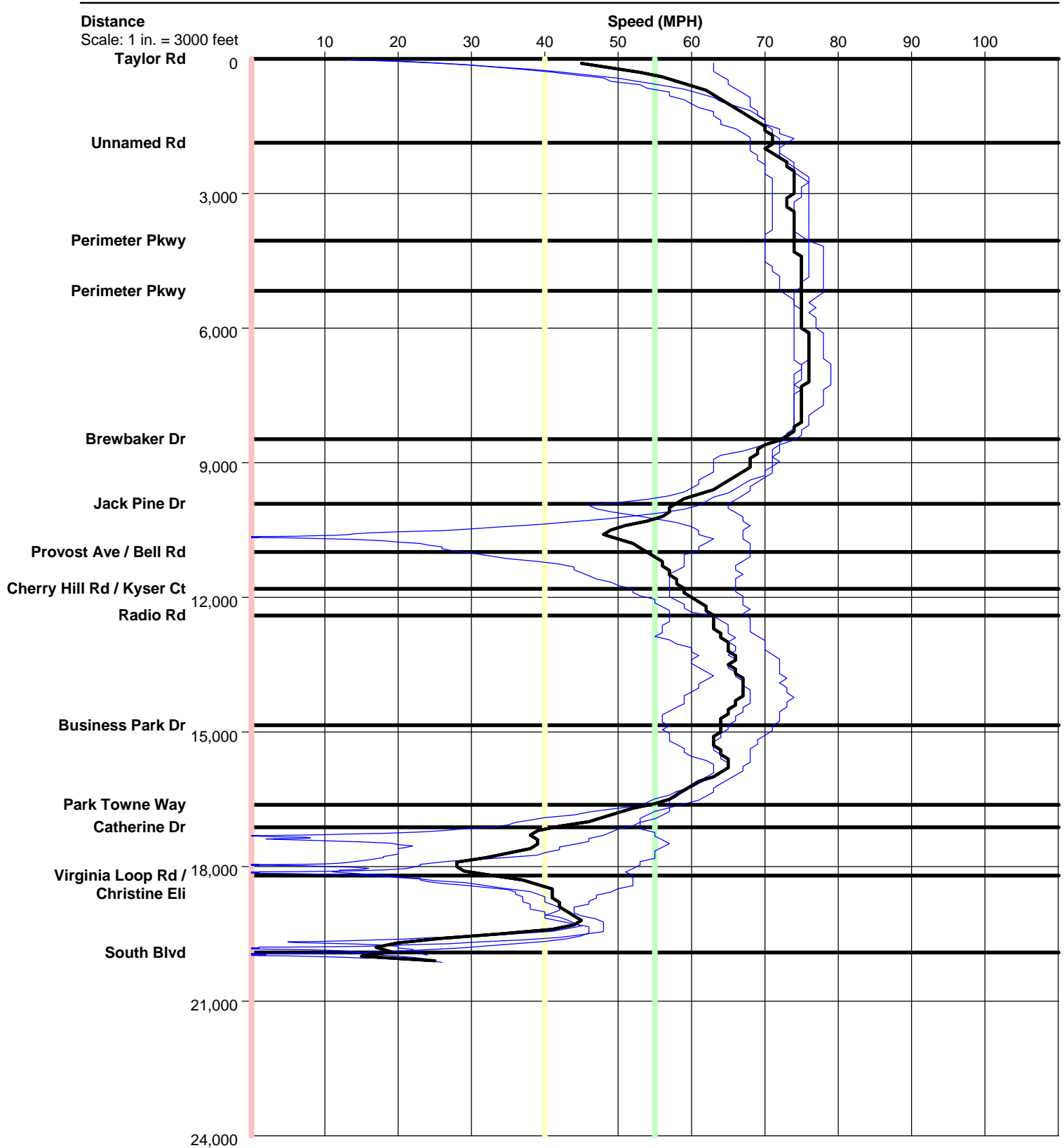
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	12	10	0
3	2178	Perimeter Pkwy	0	0	0
4	1120	Perimeter Pkwy	0	0	0
5	3308	Brewbaker Dr	0	0	0
6	1437	Jack Pine Dr	3	0	0
7	1079	Provost Ave / Bell Rd	3	55	0
8	816	Cherry Hill Rd / Kyser Ct	0	13	0
9	597	Radio Rd	0	3	0
10	2443	Business Park Dr	0	0	0
11	1778	Park Towne Way	2	0	0
12	496	Catherine Dr	9	4	5
13	1079	Virginia Loop Rd /	129	74	7
14	1711	South Blvd	43	33	102
<b>Totals</b>	<b>19910</b>		<b>201</b>	<b>192</b>	<b>114</b>

# Congestion Management Plan Update

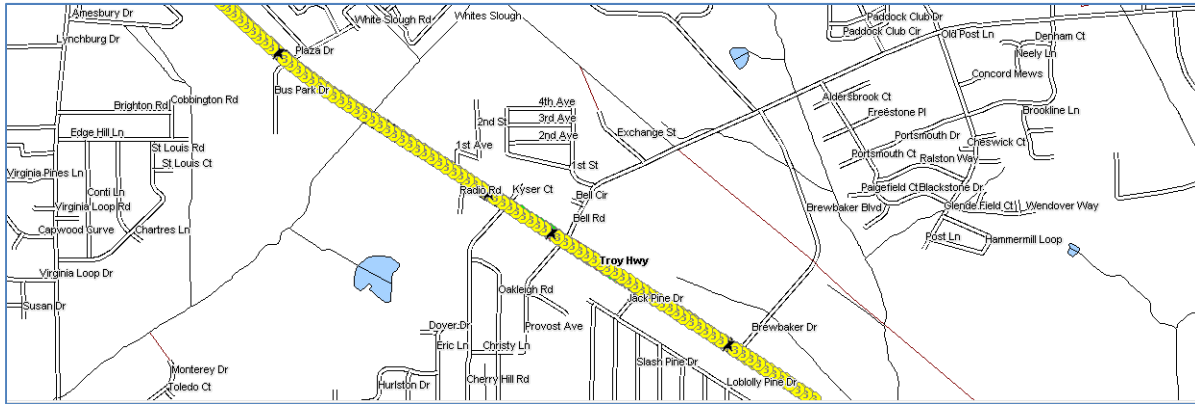
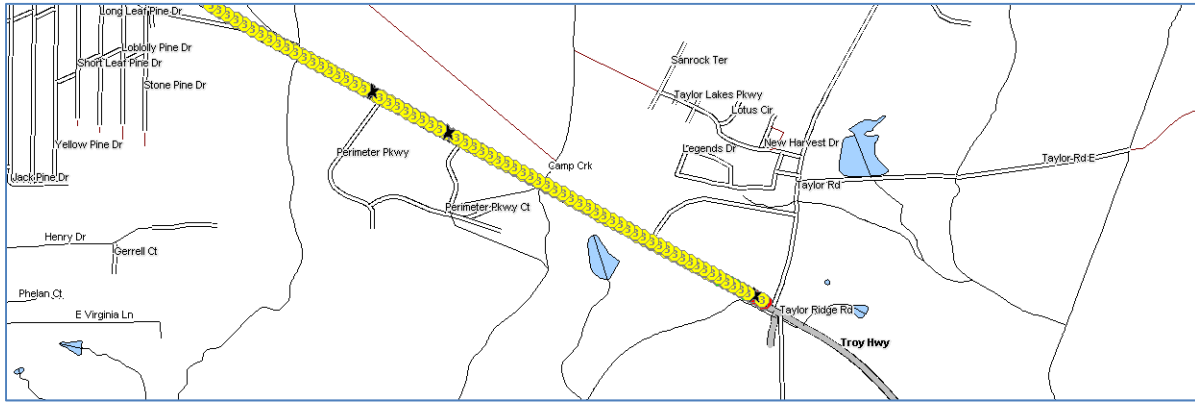
## Montgomery MPO

Study Name : S US-231 PM NB Study  
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### Speed/Distance Profiles of All Runs



S US-231 PM NB



Color Code Speeds				
<span style="color: red;">■</span>	Speed 1	0	To	40
<span style="color: green;">■</span>	Speed 2	40	To	55
<span style="color: yellow;">■</span>	Speed 3	55	To	99