

**Congestion Management Plan Update**  
Montgomery MPO

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

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# Congestion Management Plan Update Montgomery MPO

Study Name : **S US-231 OP NB Study**  
 Study Date : **11/4/2013**  
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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 OP-NB-001 t	11/04/13	14:23	20021	Before	Secondary
S US-231 OP-NB-002 t	11/04/13	14:46	19962	Before	Secondary
S US-231 OP-NB-003 t	11/04/13	15:03	19897	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 OP NB Study**  
 Study Date : **11/4/2013**  
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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	27.7	0.0	46.0	4.0	0.0	7.7	16.0
3	2178	Perimeter Pkwy	23.0	0.0	64.6	0.0	0.0	0.0	0.0
4	1120	Perimeter Pkwy	11.3	0.0	67.4	0.0	0.0	0.0	0.0
5	3308	Brewbaker Dr	34.7	0.0	65.1	0.0	0.0	0.0	0.0
6	1437	Jack Pine Dr	17.0	0.0	57.6	0.0	0.0	0.0	2.0
7	1079	Provost Ave / Bell Rd	34.7	1.0	21.2	21.0	4.7	27.3	31.7
8	816	Cherry Hill Rd / Kyser Ct	25.3	0.0	22.0	15.0	3.7	19.7	25.3
9	597	Radio Rd	8.3	0.0	48.8	0.3	0.0	0.0	8.3
10	2443	Business Park Dr	29.0	0.0	57.4	0.0	0.0	0.0	8.3
11	1778	Park Towne Way	22.3	0.0	54.3	0.3	0.0	0.0	12.3
12	496	Catherine Dr	6.7	0.0	50.7	0.3	0.0	0.7	5.3
13	1079	Virginia Loop Rd / Christine	17.7	0.0	41.6	3.7	0.0	6.0	17.7
14	1711	South Blvd	94.3	1.3	12.4	73.3	35.7	79.0	94.0
<b>Total</b>	<b>19,910</b>		<b>352.0</b>	<b>2.3</b>	<b>38.6</b>	<b>118.0</b>	<b>44.0</b>	<b>140.3</b>	<b>221.0</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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Study Name : **S US-231 OP NB Study**  
 Study Date : **11/4/2013**  
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### Detailed Statistics By Run

#### Travel Time (sec) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	27	27	29
3	2178	Perimeter Pkwy	23	22	24
4	1120	Perimeter Pkwy	12	11	11
5	3308	Brewbaker Dr	37	33	34
6	1437	Jack Pine Dr	17	16	18
7	1079	Provost Ave / Bell Rd	20	58	26
8	816	Cherry Hill Rd / Kyser Ct	47	15	14
9	597	Radio Rd	8	8	9
10	2443	Business Park Dr	28	31	28
11	1778	Park Towne Way	20	24	23
12	496	Catherine Dr	6	7	7
13	1079	Virginia Loop Rd /	18	20	15
14	1711	South Blvd	132	114	37
<b>Totals</b>	<b>19910</b>		<b>395</b>	<b>386</b>	<b>275</b>

# Congestion Management Plan Update

## Montgomery MPO

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

### Detailed Statistics By Run

#### Average Speed (MPH) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	48.5	48.5	44.3
3	2178	Perimeter Pkwy	64.6	67.5	63.5
4	1120	Perimeter Pkwy	60.8	69.5	67.2
5	3308	Brewbaker Dr	61.3	68.4	65.9
6	1437	Jack Pine Dr	59.9	61.1	56.7
7	1079	Provost Ave / Bell Rd	34.2	12.4	27.5
8	816	Cherry Hill Rd / Kyser Ct	12.1	38.9	38.4
9	597	Radio Rd	51.4	50.9	49.1
10	2443	Business Park Dr	60.7	53.8	58.1
11	1778	Park Towne Way	59.0	50.5	54.1
12	496	Catherine Dr	55.0	43.3	49.4
13	1079	Virginia Loop Rd /	41.9	38.6	48.6
14	1711	South Blvd	8.8	10.1	31.1
<b>Totals</b>	<b>19910</b>		<b>34.4</b>	<b>35.2</b>	<b>49.5</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 OP NB Study**  
 Study Date : **11/4/2013**  
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### Detailed Statistics By Run

#### Total Delay (sec) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	3	3	6
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	7	44	12
8	816	Cherry Hill Rd / Kyser Ct	37	4	4
9	597	Radio Rd	0	0	1
10	2443	Business Park Dr	0	0	0
11	1778	Park Towne Way	0	1	0
12	496	Catherine Dr	0	1	0
13	1079	Virginia Loop Rd /	4	6	1
14	1711	South Blvd	111	93	16
Totals	19910		162	152	40

Total Delay based on a Normal Speed of 55 MPH.

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S US-231 OP NB Study**  
 Study Date : **11/4/2013**  
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### Detailed Statistics By Run

#### Time <= 0 MPH by Section

*S US-231 OP-NB-001 t*  
*S US-231 OP-NB-002 t*  
*S US-231 OP-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	2	12	0
8	816	Cherry Hill Rd / Kyser Ct	11	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 /	0	0	0
14	1711	South Blvd	57	50	0
<b>Totals</b>	<b>19910</b>		<b>70</b>	<b>62</b>	<b>0</b>

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## Montgomery MPO

Study Name : **S US-231 OP NB Study**  
 Study Date : **11/4/2013**  
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### Detailed Statistics By Run

#### Time <= 40 MPH by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	7	7	9
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	10	49	23
8	816	Cherry Hill Rd / Kyser Ct	41	8	10
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	2	0
13	1079	Virginia Loop Rd /	9	9	0
14	1711	South Blvd	122	96	19
<b>Totals</b>	<b>19910</b>		<b>189</b>	<b>171</b>	<b>61</b>



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Study Name : **S US-231 OP NB Study**  
 Study Date : **11/4/2013**  
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### Detailed Statistics By Run

#### Time <= 55 MPH by Section

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

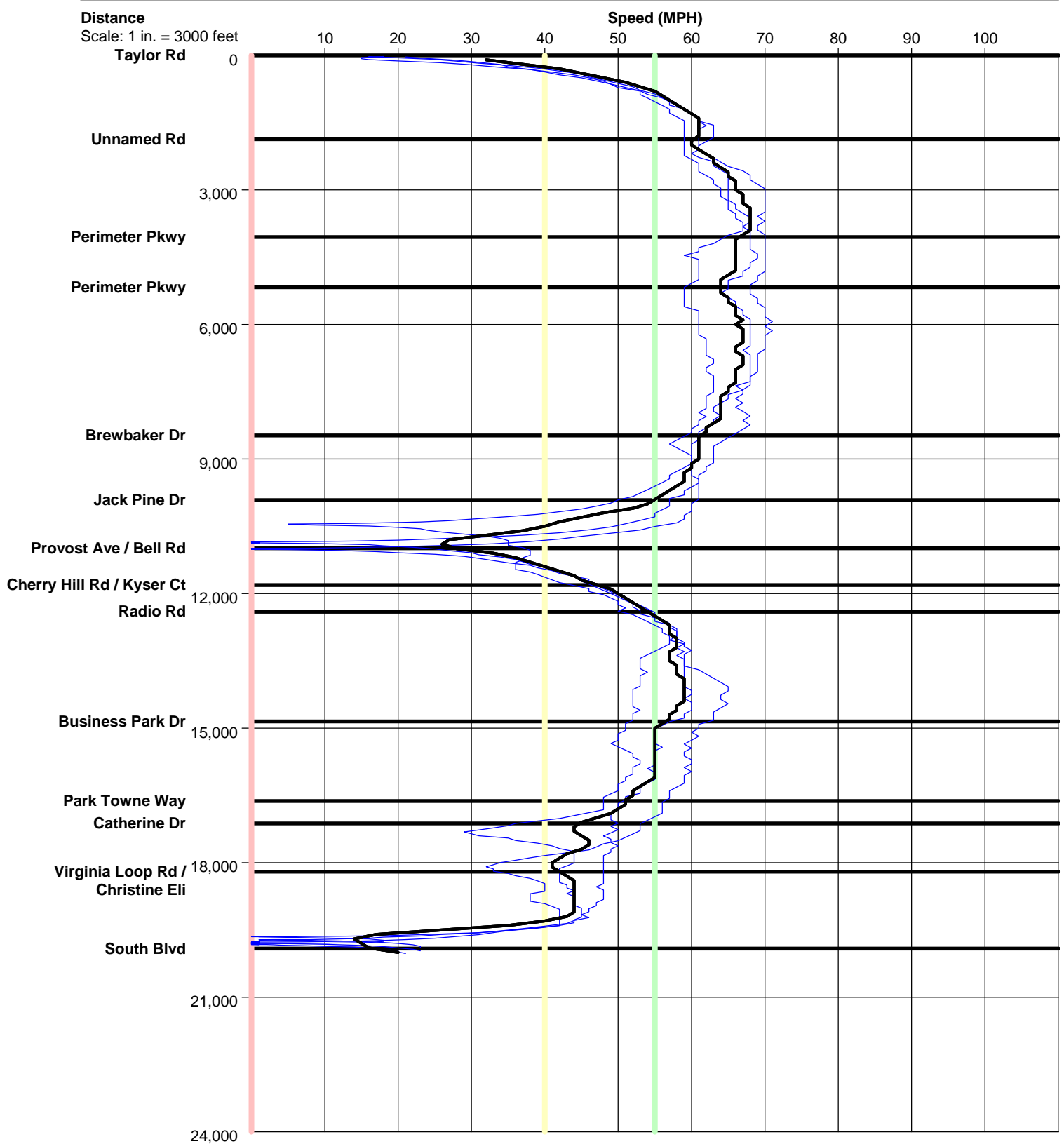
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Taylor Rd			
2	1868	Unnamed Rd	15	15	18
3	2178	Perimeter Pkwy	0	0	0
4	1120	Perimeter Pkwy	0	0	0
5	3308	Brewbaker Dr	0	0	0
6	1437	Jack Pine Dr	0	0	6
7	1079	Provost Ave / Bell Rd	14	55	26
8	816	Cherry Hill Rd / Kyser Ct	47	15	14
9	597	Radio Rd	8	8	9
10	2443	Business Park Dr	0	22	3
11	1778	Park Towne Way	0	24	13
12	496	Catherine Dr	2	7	7
13	1079	Virginia Loop Rd /	18	20	15
14	1711	South Blvd	132	114	36
<b>Totals</b>	<b>19910</b>		<b>236</b>	<b>280</b>	<b>147</b>

# Congestion Management Plan Update

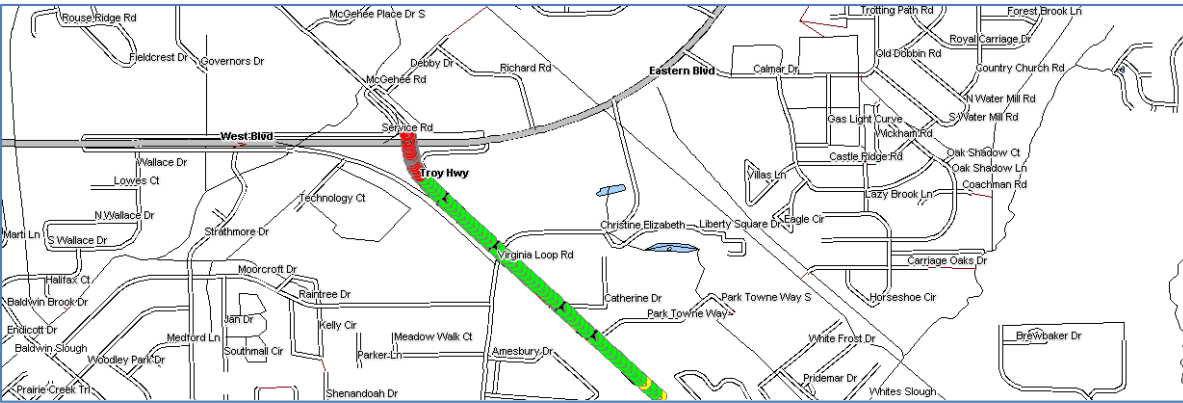
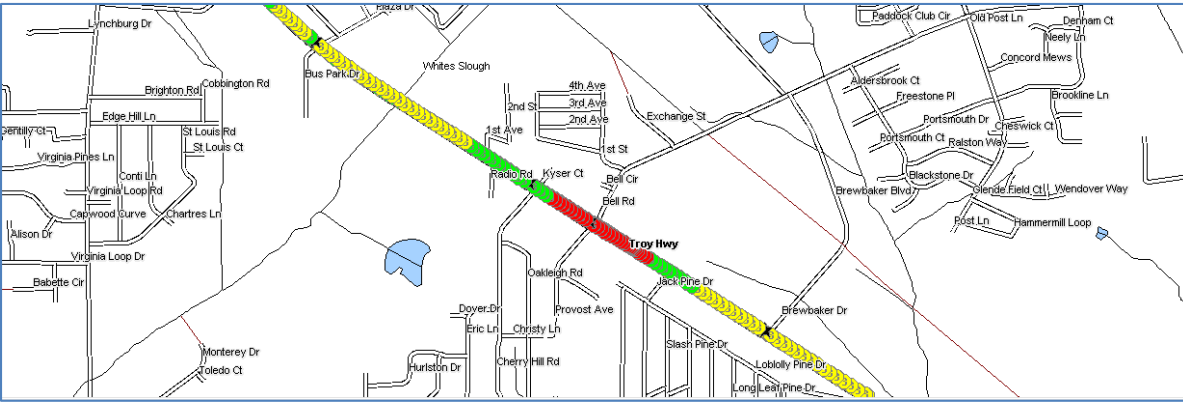
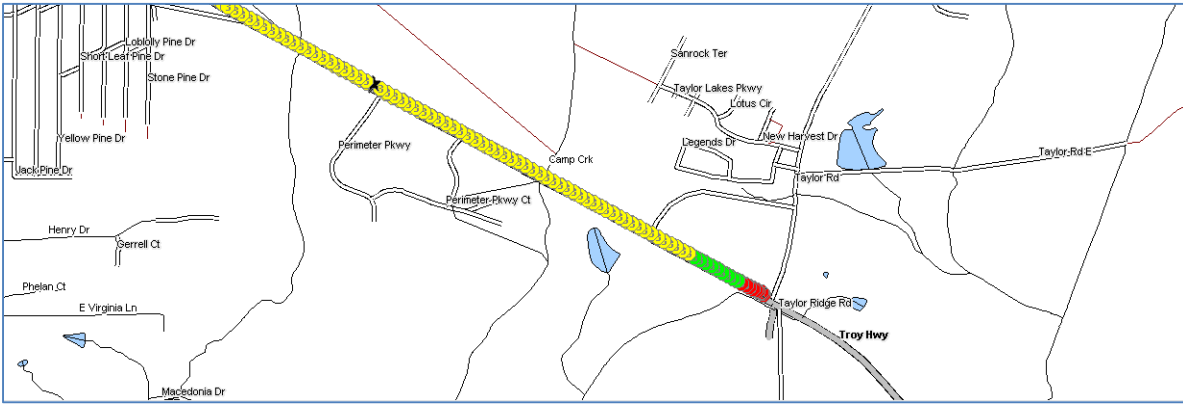
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Study Name : S US-231 OP NB Study  
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### Speed/Distance Profiles of All Runs



# S US-231 OP NB



Color Code Speeds

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