

**Congestion Management Plan Update**  
Montgomery MPO

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***PC-Travel Reports for study: S Perry Hill Rd OP SB Study***

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# Congestion Management Plan Update

Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
 Page No. : **2**

## Study Summary

### *Runs Used in This Study*

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
S Perry Hill Rd OP-SB-001 t	01/21/14	09:53	3126	Before	Secondary
S Perry Hill Rd OP-SB-002 t	01/21/14	10:02	3089	Before	Secondary
S Perry Hill Rd OP-SB-003 t	01/21/14	14:53	3108	Before	Secondary

### *Node Info*

#	Len	Name
1	0	I-85
2	345	I-85 EB Ramps
3	761	Carmichael Rd
4	705	Cairbrook Dr
5	1148	Vaughn Rd

Length of Study Route = 2,959 feet

### **Notes:**

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
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### Overall Output Statistics

Node #	Length	Node	Travel Time	# of Stops	Avg Speed	Total Delay	Time <= 0 MPH	Time <= 20 MPH	Time <= 35 MPH
1	0	I-85							
2	345	I-85 EB Ramps	8.7	0.0	27.1	1.7	0.0	1.7	6.0
3	761	Carmichael Rd	46.7	1.3	11.1	31.7	11.0	34.0	43.7
4	705	Cairnbrook Dr	12.7	0.0	37.9	0.0	0.0	0.0	3.0
5	1148	Vaughn Rd	19.7	0.3	39.8	0.7	0.0	2.3	5.7
<b>Total</b>	<b>2,959</b>		<b>87.7</b>	<b>1.7</b>	<b>23.0</b>	<b>34.0</b>	<b>11.0</b>	<b>38.0</b>	<b>58.3</b>

Stats based on 3 BEFORE runs.  
 Stops based on a Stop Speed of 5 MPH.  
 Total Delay based on a Normal Speed of 35 MPH.

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## Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
 Page No. : **4**

### Detailed Statistics By Run

#### Travel Time (sec) by Section

S Perry Hill Rd OP-SB-001 t  
 S Perry Hill Rd OP-SB-002 t  
 S Perry Hill Rd OP-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	345	I-85 EB Ramps	7	7	12
3	761	Carmichael Rd	16	48	76
4	705	Cairnbrook Dr	12	13	13
5	1148	Vaughn Rd	24	17	18
<b>Totals</b>	<b>2959</b>		<b>59</b>	<b>85</b>	<b>119</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
 Page No. : **5**

### Detailed Statistics By Run

#### Average Speed (MPH) by Section

S Perry Hill Rd OP-SB-001 t  
 S Perry Hill Rd OP-SB-002 t  
 S Perry Hill Rd OP-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	345	I-85 EB Ramps	34.7	35.4	20.3
3	761	Carmichael Rd	32.9	10.8	6.9
4	705	Cairnbrook Dr	40.3	39.0	38.9
5	1148	Vaughn Rd	31.9	44.1	41.9
<b>Totals</b>	<b>2959</b>		<b>34.2</b>	<b>23.8</b>	<b>17.0</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
 Page No. : **6**

### Detailed Statistics By Run

#### Total Delay (sec) by Section

S Perry Hill Rd OP-SB-001 t  
 S Perry Hill Rd OP-SB-002 t  
 S Perry Hill Rd OP-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	345	I-85 EB Ramps	0	0	5
3	761	Carmichael Rd	1	33	61
4	705	Cairnbrook Dr	0	0	0
5	1148	Vaughn Rd	2	0	0
<b>Totals</b>	<b>2959</b>		<b>3</b>	<b>33</b>	<b>66</b>

Total Delay based on a Normal Speed of 35 MPH.

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
 Page No. : **7**

### Detailed Statistics By Run

#### Time <= 0 MPH by Section

*S Perry Hill Rd OP-SB-001 t*  
*S Perry Hill Rd OP-SB-002 t*  
*S Perry Hill Rd OP-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	345	I-85 EB Ramps	0	0	0
3	761	Carmichael Rd	0	9	24
4	705	Cairnbrook Dr	0	0	0
5	1148	Vaughn Rd	0	0	0
<b>Totals</b>	<b>2959</b>		<b>0</b>	<b>9</b>	<b>24</b>

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## Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
 Page No. : **8**

### Detailed Statistics By Run

#### Time <= 20 MPH by Section

S Perry Hill Rd OP-SB-001 t  
 S Perry Hill Rd OP-SB-002 t  
 S Perry Hill Rd OP-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	345	I-85 EB Ramps	0	0	5
3	761	Carmichael Rd	0	37	65
4	705	Cairnbrook Dr	0	0	0
5	1148	Vaughn Rd	3	1	3
<b>Totals</b>	<b>2959</b>		<b>3</b>	<b>38</b>	<b>73</b>



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## Montgomery MPO

Study Name : **S Perry Hill Rd OP SB Study**  
 Study Date : **1/21/2014**  
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### Detailed Statistics By Run

#### Time <= 35 MPH by Section

S Perry Hill Rd OP-SB-001 t  
 S Perry Hill Rd OP-SB-002 t  
 S Perry Hill Rd OP-SB-003 t

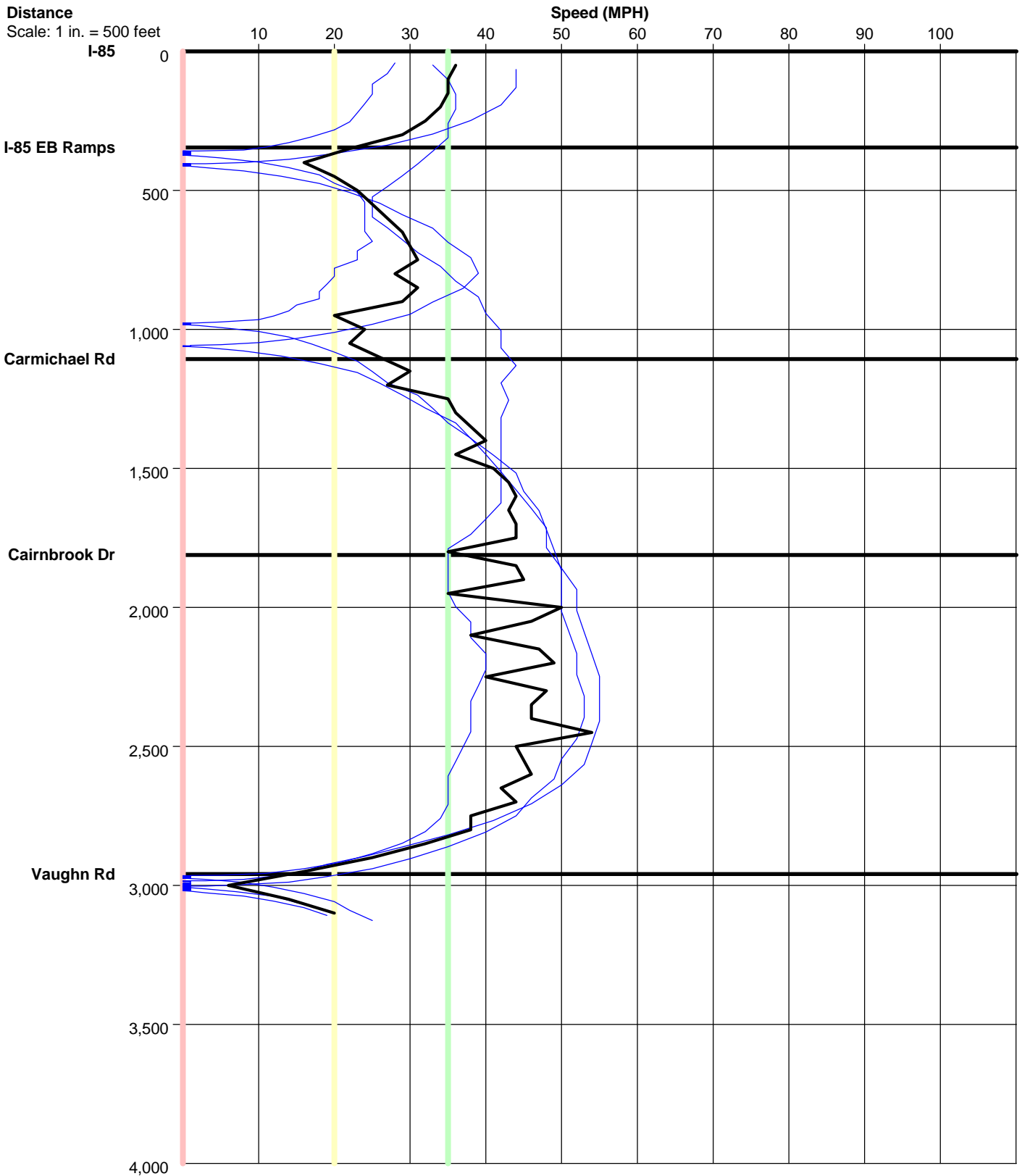
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	345	I-85 EB Ramps	3	3	12
3	761	Carmichael Rd	10	45	76
4	705	Cairnbrook Dr	1	4	4
5	1148	Vaughn Rd	9	3	5
<b>Totals</b>	<b>2959</b>		<b>23</b>	<b>55</b>	<b>97</b>

# Congestion Management Plan Update

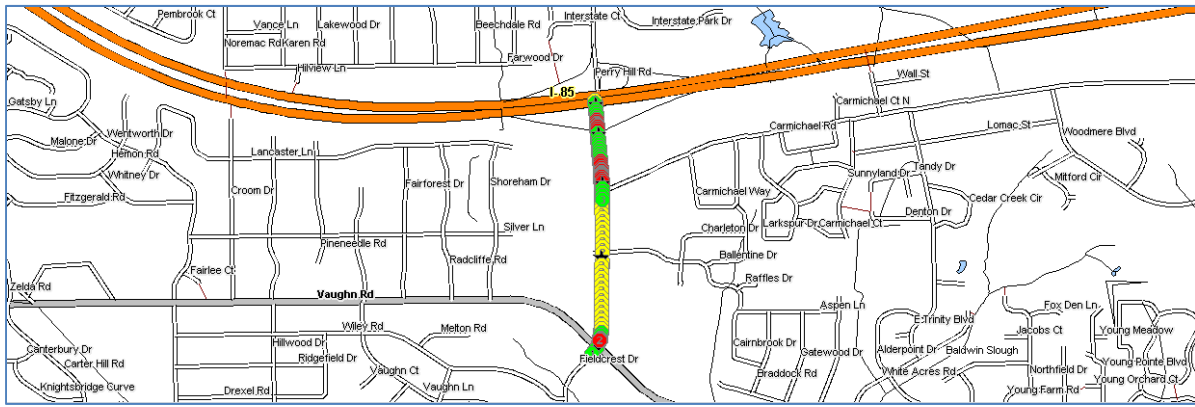
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Study Name : S Perry Hill Rd OP SB Study  
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## Speed/Distance Profiles of All Runs



# S Perry Hill Rd OP SB



Color Code Speeds

Speed 1	0	To	20
Speed 2	20	To	35
Speed 3	35	To	99