

**Congestion Management Plan Update**  
Montgomery MPO

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***PC-Travel Reports for study: Chantilly Pkwy AM SB Study***

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# Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
 Page No. : **2**

## Study Summary

### *Runs Used in This Study*

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
Chantilly Pkwy AM-SB-001 t	12/10/13	08:07	16628	Before	Secondary
Chantilly Pkwy AM-SB-002 t	12/10/13	08:25	16808	Before	Secondary
Chantilly Pkwy AM-SB-003 t	12/10/13	08:40	16745	Before	Secondary

**Notes:**

### *Node Info*

#	Len	Name
1	0	I-85
2	295	I-85 EB Ramps
3	288	Boyd-Cooper Pkwy / US-
4	1573	Eastchase Pkwy
5	3329	Ryan Rd
6	981	Ryan Rd
7	2558	Handey Rd
8	934	Shiloh Ln
9	860	Unnamed Rd
10	460	Emma Ct
11	5255	Vaughn Rd

Length of Study Route = 16,533 feet

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
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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	I-85							
2	295	I-85 EB Ramps	9.0	0.0	22.3	5.0	0.0	8.7	9.0
3	288	Boyd-Cooper Pkwy / US-80	7.0	0.0	28.1	3.0	0.0	6.0	7.0
4	1573	Eastchase Pkwy	44.7	0.3	24.0	24.7	2.3	29.7	44.7
5	3329	Ryan Rd	43.3	0.0	52.4	1.3	0.0	2.0	23.3
6	981	Ryan Rd	14.3	0.0	46.7	2.0	0.0	5.3	9.3
7	2558	Handey Rd	43.0	0.7	40.6	11.7	0.3	18.0	23.3
8	934	Shiloh Ln	9.0	0.0	70.8	0.0	0.0	0.0	0.0
9	860	Unnamed Rd	8.0	0.0	73.3	0.0	0.0	0.0	0.0
10	460	Emma Ct	4.0	0.0	78.4	0.0	0.0	0.0	0.0
11	5255	Vaughn Rd	59.3	0.3	60.4	0.3	0.3	8.3	12.7
<b>Total</b>	<b>16,533</b>		<b>241.7</b>	<b>1.3</b>	<b>46.6</b>	<b>48.0</b>	<b>3.0</b>	<b>78.0</b>	<b>129.3</b>

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

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
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### Detailed Statistics By Run

#### Travel Time (sec) by Section

*Chantilly Pkwy AM-SB-001 t*  
*Chantilly Pkwy AM-SB-002 t*  
*Chantilly Pkwy AM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	14	7	6
3	288	Boyd-Cooper Pkwy / US-	8	8	5
4	1573	Eastchase Pkwy	26	83	25
5	3329	Ryan Rd	43	43	44
6	981	Ryan Rd	16	13	14
7	2558	Handey Rd	29	51	49
8	934	Shiloh Ln	9	9	9
9	860	Unnamed Rd	8	8	8
10	460	Emma Ct	4	4	4
11	5255	Vaughn Rd	66	55	57
Totals	16533		223	281	221

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
 Page No. : **5**

### Detailed Statistics By Run

#### Average Speed (MPH) by Section

*Chantilly Pkwy AM-SB-001 t*  
*Chantilly Pkwy AM-SB-002 t*  
*Chantilly Pkwy AM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	15.1	32.9	38.0
3	288	Boyd-Cooper Pkwy / US-	26.6	21.5	40.8
4	1573	Eastchase Pkwy	41.3	13.0	42.6
5	3329	Ryan Rd	52.6	53.2	52.1
6	981	Ryan Rd	41.8	50.8	45.3
7	2558	Handey Rd	60.8	34.8	35.7
8	934	Shiloh Ln	73.9	71.3	74.0
9	860	Unnamed Rd	73.4	73.1	73.8
10	460	Emma Ct	68.5	71.5	72.5
11	5255	Vaughn Rd	54.1	65.1	62.7
Totals	16533		50.6	40.2	51.1

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
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### Detailed Statistics By Run

#### Total Delay (sec) by Section

*Chantilly Pkwy AM-SB-001 t*  
*Chantilly Pkwy AM-SB-002 t*  
*Chantilly Pkwy AM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	10	3	2
3	288	Boyd-Cooper Pkwy / US-	4	4	1
4	1573	Eastchase Pkwy	6	63	5
5	3329	Ryan Rd	1	1	2
6	981	Ryan Rd	4	1	1
7	2558	Handey Rd	0	18	17
8	934	Shiloh Ln	0	0	0
9	860	Unnamed Rd	0	0	0
10	460	Emma Ct	0	0	0
11	5255	Vaughn Rd	1	0	0
Totals	16533		26	90	28

Total Delay based on a Normal Speed of 55 MPH.

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
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### Detailed Statistics By Run

#### Time <= 0 MPH by Section

*Chantilly Pkwy AM-SB-001 t*  
*Chantilly Pkwy AM-SB-002 t*  
*Chantilly Pkwy AM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	0	0	0
3	288	Boyd-Cooper Pkwy / US-	0	0	0
4	1573	Eastchase Pkwy	0	7	0
5	3329	Ryan Rd	0	0	0
6	981	Ryan Rd	0	0	0
7	2558	Handey Rd	0	1	0
8	934	Shiloh Ln	0	0	0
9	860	Unnamed Rd	0	0	0
10	460	Emma Ct	0	0	0
11	5255	Vaughn Rd	1	0	0
<b>Totals</b>	<b>16533</b>		<b>1</b>	<b>8</b>	<b>0</b>

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
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### Detailed Statistics By Run

#### Time <= 40 MPH by Section

*Chantilly Pkwy AM-SB-001 t*  
*Chantilly Pkwy AM-SB-002 t*  
*Chantilly Pkwy AM-SB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	14	7	5
3	288	Boyd-Cooper Pkwy / US-	8	8	2
4	1573	Eastchase Pkwy	6	75	8
5	3329	Ryan Rd	0	0	6
6	981	Ryan Rd	8	3	5
7	2558	Handey Rd	3	26	25
8	934	Shiloh Ln	0	0	0
9	860	Unnamed Rd	0	0	0
10	460	Emma Ct	0	0	0
11	5255	Vaughn Rd	17	5	3
Totals	16533		56	124	54



# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy AM SB Study**  
 Study Date : **12/10/2013**  
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### Detailed Statistics By Run

#### Time <= 55 MPH by Section

*Chantilly Pkwy AM-SB-001 t*  
*Chantilly Pkwy AM-SB-002 t*  
*Chantilly Pkwy AM-SB-003 t*

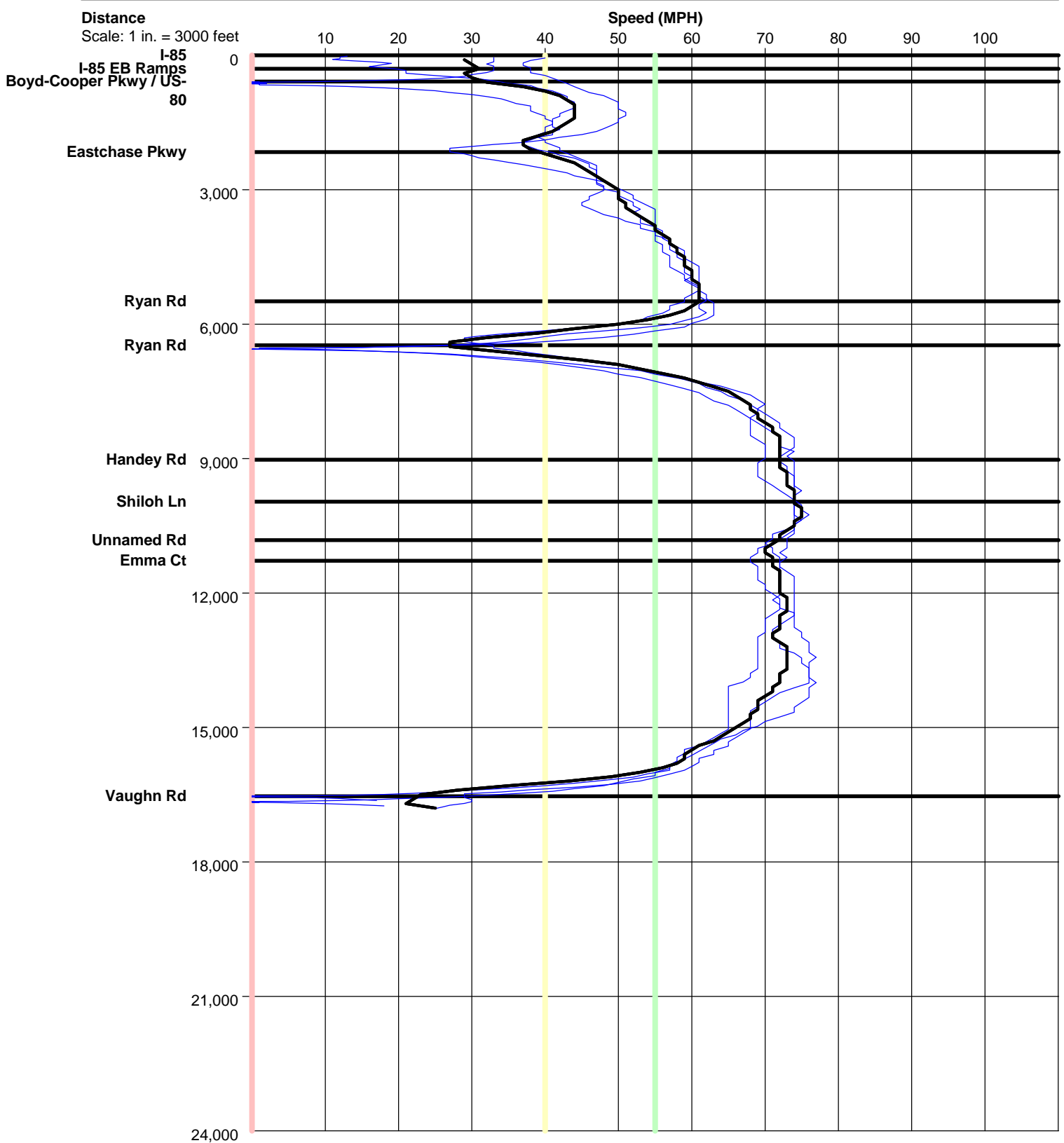
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	14	7	6
3	288	Boyd-Cooper Pkwy / US-	8	8	5
4	1573	Eastchase Pkwy	26	83	25
5	3329	Ryan Rd	24	24	22
6	981	Ryan Rd	13	6	9
7	2558	Handey Rd	9	30	31
8	934	Shiloh Ln	0	0	0
9	860	Unnamed Rd	0	0	0
10	460	Emma Ct	0	0	0
11	5255	Vaughn Rd	21	8	9
Totals	16533		115	166	107

# Congestion Management Plan Update

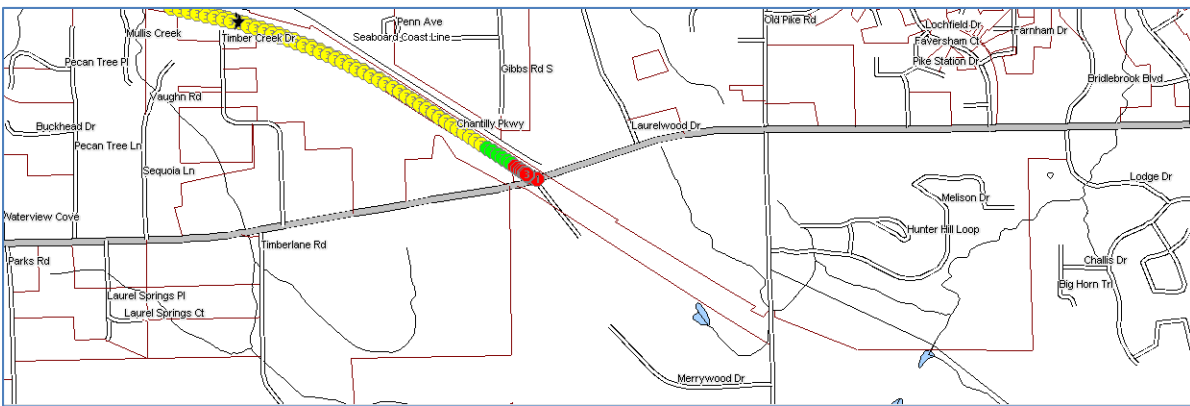
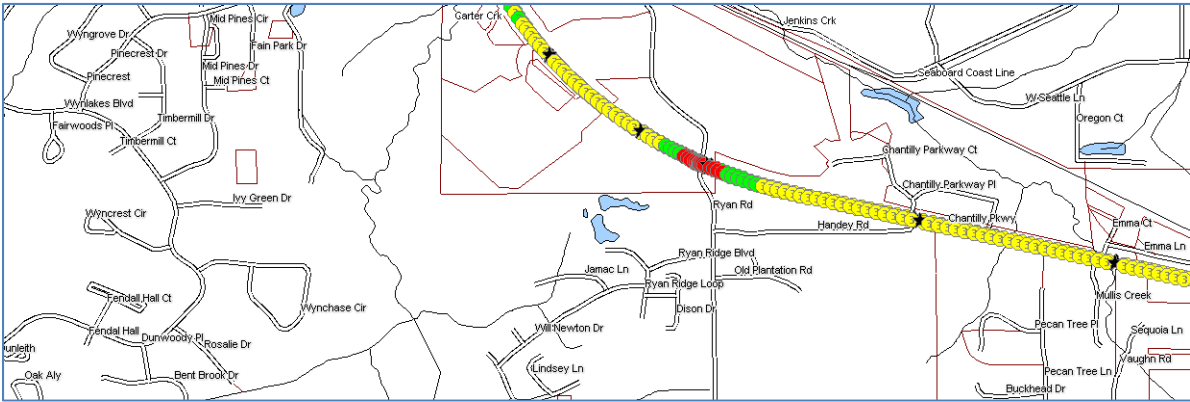
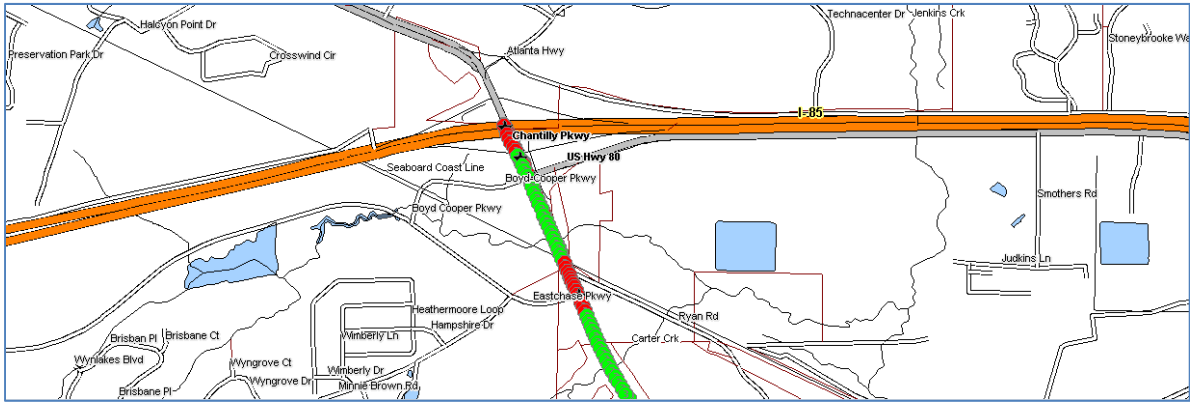
## Montgomery MPO

Study Name : Chantilly Pkwy AM SB Study  
Study Date : 12/10/2013  
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### Speed/Distance Profiles of All Runs



# Chantilly Pkwy AM SB



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