

**Congestion Management Plan Update**  
Montgomery MPO

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***PC-Travel Reports for study: Chantilly Pkwy OP NB Study***

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# Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy OP NB Study**  
 Study Date : **10/23/2013**  
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## Study Summary

### *Runs Used in This Study*

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
Chantilly Pkwy OP-NB-001 t	10/23/13	15:41	16583	Before	Secondary
Chantilly Pkwy OP-NB-002 t	10/30/13	10:53	16619	Before	Secondary
Chantilly Pkwy OP-NB-003 t	11/04/13	15:44	16624	Before	Secondary

### **Notes:**

### *Node Info*

#	Len	Name
1	0	Vaughn Rd
2	5387	Emma Ct
3	483	Unnamed Rd
4	783	Shiloh Ln
5	986	Handey Rd
6	2568	Ryan Rd
7	903	Ryan Rd
8	3401	Eastchase Pkwy
9	1500	Boyd-Cooper Pkwy / US-
10	303	I-85 EB Ramps
11	305	I-85

Length of Study Route = 16,619 feet

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Study Name : **Chantilly Pkwy OP NB Study**  
 Study Date : **10/23/2013**  
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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	Vaughn Rd							
2	5387	Emma Ct	72.3	0.0	50.8	5.3	0.0	15.3	35.7
3	483	Unnamed Rd	5.3	0.0	61.7	0.0	0.0	0.0	0.0
4	783	Shiloh Ln	8.3	0.0	64.1	0.0	0.0	0.0	2.0
5	986	Handey Rd	10.3	0.0	65.1	0.0	0.0	0.0	0.0
6	2568	Ryan Rd	33.7	0.3	52.0	3.7	1.0	6.7	7.7
7	903	Ryan Rd	12.0	0.0	51.3	1.0	0.0	1.3	7.0
8	3401	Eastchase Pkwy	83.3	1.0	27.8	40.7	7.7	47.0	83.3
9	1500	Boyd-Cooper Pkwy / US-80	48.7	0.3	21.0	29.7	12.7	34.7	48.7
10	303	I-85 EB Ramps	6.0	0.0	34.4	2.0	0.0	4.3	6.0
11	305	I-85	5.7	0.0	36.7	1.7	0.0	3.7	5.3
<b>Total</b>	<b>16,619</b>		<b>285.7</b>	<b>1.7</b>	<b>39.7</b>	<b>84.0</b>	<b>21.3</b>	<b>113.0</b>	<b>195.7</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 : **Chantilly Pkwy OP NB Study**  
 Study Date : **10/23/2013**  
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### Detailed Statistics By Run

#### Travel Time (sec) by Section

Chantilly Pkwy OP-NB-001 t  
 Chantilly Pkwy OP-NB-002 t  
 Chantilly Pkwy OP-NB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	83	67	67
3	483	Unnamed Rd	6	5	5
4	783	Shiloh Ln	10	8	7
5	986	Handey Rd	11	10	10
6	2568	Ryan Rd	31	27	43
7	903	Ryan Rd	11	11	14
8	3401	Eastchase Pkwy	86	83	81
9	1500	Boyd-Cooper Pkwy / US-	26	23	97
10	303	I-85 EB Ramps	6	5	7
11	305	I-85	6	5	6
Totals	16619		276	244	337

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Study Name : **Chantilly Pkwy OP NB Study**  
 Study Date : **10/23/2013**  
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### Detailed Statistics By Run

#### Average Speed (MPH) by Section

*Chantilly Pkwy OP-NB-001 t*  
*Chantilly Pkwy OP-NB-002 t*  
*Chantilly Pkwy OP-NB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	44.7	54.8	55.6
3	483	Unnamed Rd	55.5	65.6	70.0
4	783	Shiloh Ln	55.2	66.8	70.4
5	986	Handey Rd	57.1	67.4	69.3
6	2568	Ryan Rd	57.2	64.8	40.1
7	903	Ryan Rd	54.3	56.1	43.1
8	3401	Eastchase Pkwy	27.1	28.0	29.0
9	1500	Boyd-Cooper Pkwy / US-	39.5	44.4	10.4
10	303	I-85 EB Ramps	34.7	41.6	29.0
11	305	I-85	30.4	41.8	34.2
Totals	16619		41.1	46.5	33.7

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Study Name : **Chantilly Pkwy OP NB Study**  
 Study Date : **10/23/2013**  
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### Detailed Statistics By Run

#### Total Delay (sec) by Section

*Chantilly Pkwy OP-NB-001 t*  
*Chantilly Pkwy OP-NB-002 t*  
*Chantilly Pkwy OP-NB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	16	0	0
3	483	Unnamed Rd	0	0	0
4	783	Shiloh Ln	0	0	0
5	986	Handey Rd	0	0	0
6	2568	Ryan Rd	0	0	11
7	903	Ryan Rd	0	0	3
8	3401	Eastchase Pkwy	43	41	38
9	1500	Boyd-Cooper Pkwy / US-	7	4	78
10	303	I-85 EB Ramps	2	1	3
11	305	I-85	2	1	2
Totals	16619		70	47	135

Total Delay based on a Normal Speed of 55 MPH.

# Congestion Management Plan Update

## Montgomery MPO

Study Name : **Chantilly Pkwy OP NB Study**  
 Study Date : **10/23/2013**  
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### Detailed Statistics By Run

#### Time <= 0 MPH by Section

*Chantilly Pkwy OP-NB-001 t*  
*Chantilly Pkwy OP-NB-002 t*  
*Chantilly Pkwy OP-NB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	0	0	0
3	483	Unnamed Rd	0	0	0
4	783	Shiloh Ln	0	0	0
5	986	Handey Rd	0	0	0
6	2568	Ryan Rd	0	0	3
7	903	Ryan Rd	0	0	0
8	3401	Eastchase Pkwy	10	6	7
9	1500	Boyd-Cooper Pkwy / US-	0	0	38
10	303	I-85 EB Ramps	0	0	0
11	305	I-85	0	0	0
Totals	16619		10	6	48

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Study Name : **Chantilly Pkwy OP NB Study**  
 Study Date : **10/23/2013**  
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### Detailed Statistics By Run

#### Time <= 40 MPH by Section

*Chantilly Pkwy OP-NB-001 t*  
*Chantilly Pkwy OP-NB-002 t*  
*Chantilly Pkwy OP-NB-003 t*

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	21	12	13
3	483	Unnamed Rd	0	0	0
4	783	Shiloh Ln	0	0	0
5	986	Handey Rd	0	0	0
6	2568	Ryan Rd	0	0	20
7	903	Ryan Rd	0	0	4
8	3401	Eastchase Pkwy	48	44	49
9	1500	Boyd-Cooper Pkwy / US-	12	0	92
10	303	I-85 EB Ramps	6	0	7
11	305	I-85	5	0	6
Totals	16619		92	56	191



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## Montgomery MPO

Study Name : **Chantilly Pkwy OP NB Study**  
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### Detailed Statistics By Run

#### Time <= 55 MPH by Section

*Chantilly Pkwy OP-NB-001 t*  
*Chantilly Pkwy OP-NB-002 t*  
*Chantilly Pkwy OP-NB-003 t*

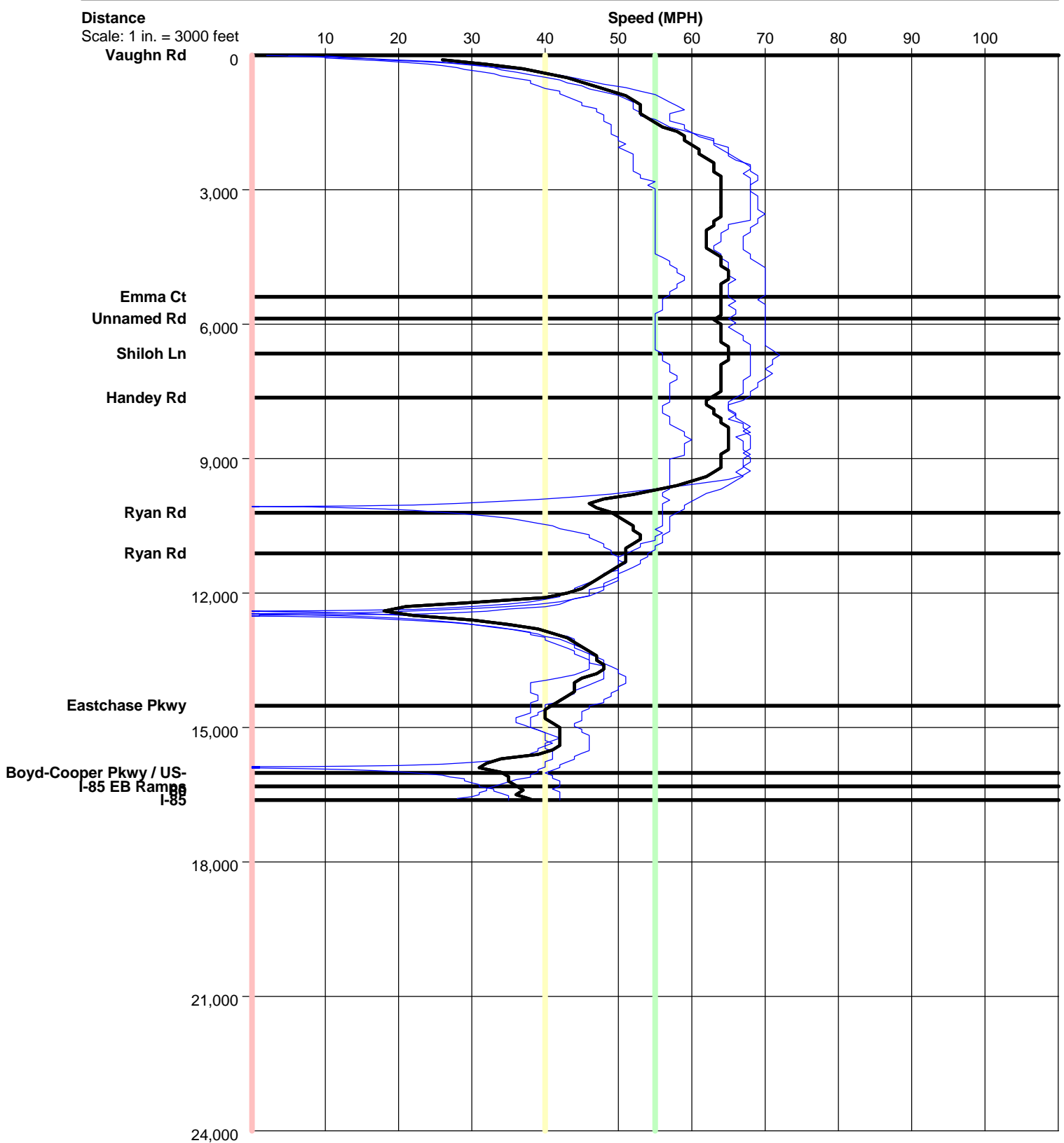
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	62	19	26
3	483	Unnamed Rd	0	0	0
4	783	Shiloh Ln	6	0	0
5	986	Handey Rd	0	0	0
6	2568	Ryan Rd	0	0	23
7	903	Ryan Rd	5	2	14
8	3401	Eastchase Pkwy	86	83	81
9	1500	Boyd-Cooper Pkwy / US-	26	23	97
10	303	I-85 EB Ramps	6	5	7
11	305	I-85	5	5	6
Totals	16619		196	137	254

# Congestion Management Plan Update

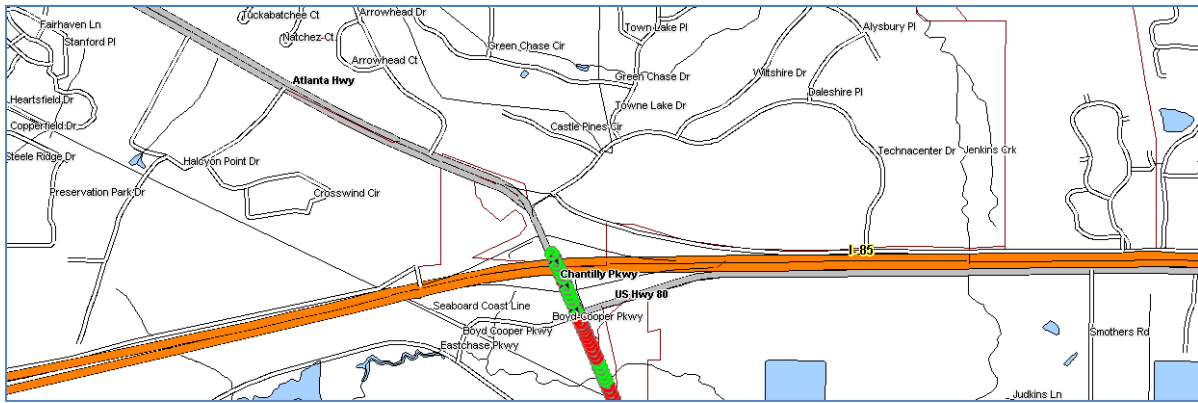
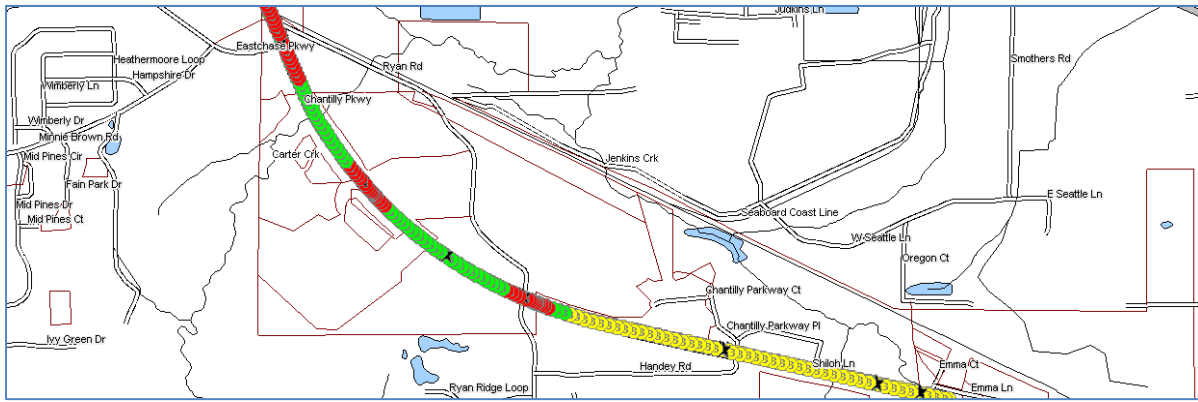
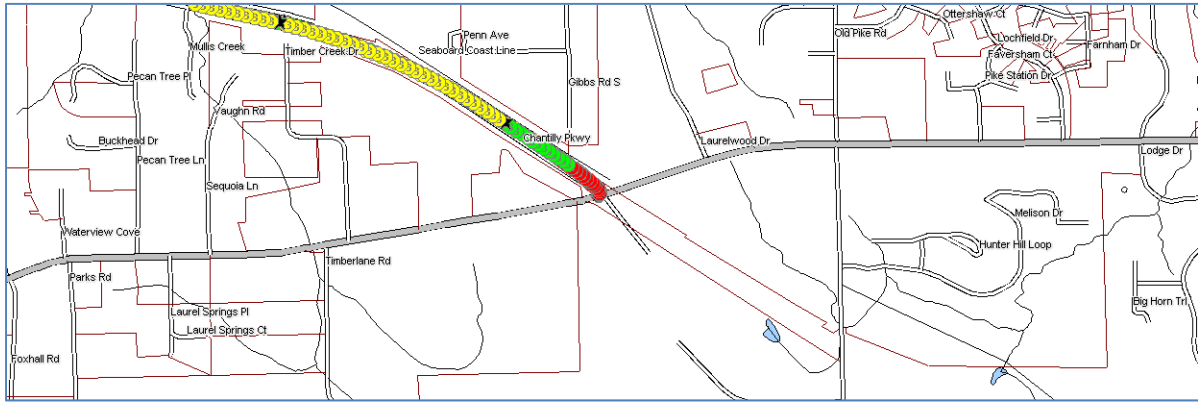
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### Speed/Distance Profiles of All Runs



# Chantilly Pkwy OP NB



Color Code Speeds

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