

Congestion Management Plan Update
Montgomery MPO

PC-Travel Reports for study: Chantilly Pkwy AM NB Study

<u>Report Name</u>	<u>Page</u>
Study Summary	2
Overall Output Statistics	3
Detailed Statistics By Run - Travel Times	4
Detailed Statistics By Run - Average Speed	5
Detailed Statistics By Run - Total Delay	6
Detailed Statistics By Run - Time <= 0 MPH	7
Detailed Statistics By Run - Time <= 40 MPH	8
Detailed Statistics By Run - Time <= 55 MPH	9
Speed/Distance Profiles of All Runs	10

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy AM NB 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-NB-001 t	12/10/13	08:15	16667	Before	Secondary
Chantilly Pkwy AM-NB-002 t	12/10/13	08:58	16479	Before	Secondary
Chantilly Pkwy AM-NB-003 t	12/10/13	08:47	16705	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

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy AM NB Study**
 Study Date : **12/10/2013**
 Page No. : **3**

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	65.7	0.0	55.9	1.0	0.0	10.3	19.3
3	483	Unnamed Rd	4.7	0.0	70.6	0.0	0.0	0.0	0.0
4	783	Shiloh Ln	8.0	0.0	66.7	0.0	0.0	0.0	0.0
5	986	Handey Rd	10.3	0.0	65.1	0.0	0.0	0.0	0.0
6	2568	Ryan Rd	27.3	0.0	64.1	0.0	0.0	0.0	0.0
7	903	Ryan Rd	9.7	0.0	63.7	0.0	0.0	0.0	0.0
8	3401	Eastchase Pkwy	48.3	0.0	48.0	7.3	0.0	17.3	23.7
9	1500	Boyd-Cooper Pkwy / US-80	59.3	0.7	17.2	40.3	10.3	47.7	58.7
10	303	I-85 EB Ramps	9.0	0.0	23.0	5.0	0.0	9.0	9.0
11	305	I-85	7.0	0.0	29.7	3.3	0.0	6.7	6.7
Total	16,619		249.3	0.7	45.4	57.0	10.3	91.0	117.3

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 NB Study**
 Study Date : **12/10/2013**
 Page No. : **4**

Detailed Statistics By Run

Travel Time (sec) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	70	63	64
3	483	Unnamed Rd	5	5	4
4	783	Shiloh Ln	9	7	8
5	986	Handey Rd	11	10	10
6	2568	Ryan Rd	29	26	27
7	903	Ryan Rd	10	10	9
8	3401	Eastchase Pkwy	65	40	40
9	1500	Boyd-Cooper Pkwy / US-	107	23	48
10	303	I-85 EB Ramps	8	5	14
11	305	I-85	7	4	10
Totals	16619		321	193	234

Congestion Management Plan Update

Montgomery MPO

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

Detailed Statistics By Run

Average Speed (MPH) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	52.9	59.2	58.4
3	483	Unnamed Rd	60.2	67.8	68.0
4	783	Shiloh Ln	61.2	69.3	68.3
5	986	Handey Rd	61.5	66.9	67.0
6	2568	Ryan Rd	61.5	67.3	66.4
7	903	Ryan Rd	58.0	62.8	64.4
8	3401	Eastchase Pkwy	35.8	57.6	57.6
9	1500	Boyd-Cooper Pkwy / US-	9.5	45.7	21.4
10	303	I-85 EB Ramps	25.5	36.0	14.9
11	305	I-85	28.7	35.0	19.6
Totals	16619		35.3	58.5	48.4

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy AM NB Study**
 Study Date : **12/10/2013**
 Page No. : **6**

Detailed Statistics By Run

Total Delay (sec) by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	3	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	0
7	903	Ryan Rd	0	0	0
8	3401	Eastchase Pkwy	22	0	0
9	1500	Boyd-Cooper Pkwy / US-	88	4	29
10	303	I-85 EB Ramps	4	1	10
11	305	I-85	3	1	6
Totals	16619		120	6	45

Total Delay based on a Normal Speed of 55 MPH.

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy AM NB Study**
 Study Date : **12/10/2013**
 Page No. : **7**

Detailed Statistics By Run

Time <= 0 MPH by Section

Chantilly Pkwy AM-NB-001 t
Chantilly Pkwy AM-NB-002 t
Chantilly Pkwy AM-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	0
7	903	Ryan Rd	0	0	0
8	3401	Eastchase Pkwy	0	0	0
9	1500	Boyd-Cooper Pkwy / US-	29	0	2
10	303	I-85 EB Ramps	0	0	0
11	305	I-85	0	0	0
Totals	16619		29	0	2

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy AM NB Study**
 Study Date : **12/10/2013**
 Page No. : **8**

Detailed Statistics By Run

Time <= 40 MPH by Section

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

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	13	8	10
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	0
7	903	Ryan Rd	0	0	0
8	3401	Eastchase Pkwy	52	0	0
9	1500	Boyd-Cooper Pkwy / US-	107	3	33
10	303	I-85 EB Ramps	8	5	14
11	305	I-85	7	3	10
Totals	16619		187	19	67

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy AM NB Study**
 Study Date : **12/10/2013**
 Page No. : **9**

Detailed Statistics By Run

Time <= 55 MPH by Section

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

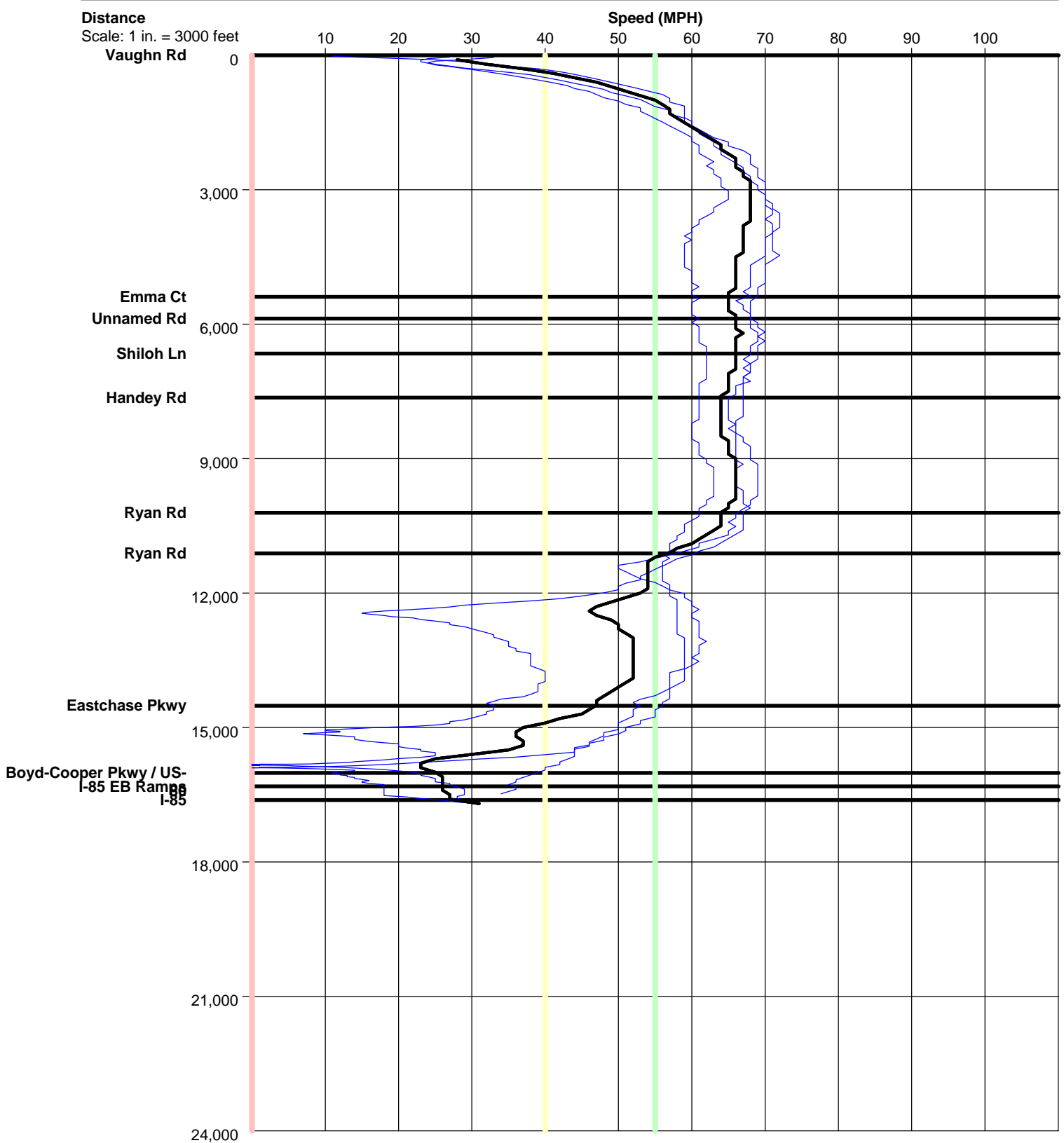
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	Vaughn Rd			
2	5387	Emma Ct	24	15	19
3	483	Unnamed Rd	0	0	0
4	783	Shiloh Ln	0	0	0
5	986	Handey Rd	0	0	0
6	2568	Ryan Rd	0	0	0
7	903	Ryan Rd	0	0	0
8	3401	Eastchase Pkwy	61	10	0
9	1500	Boyd-Cooper Pkwy / US-	107	23	46
10	303	I-85 EB Ramps	8	5	14
11	305	I-85	7	3	10
Totals	16619		207	56	89

Congestion Management Plan Update

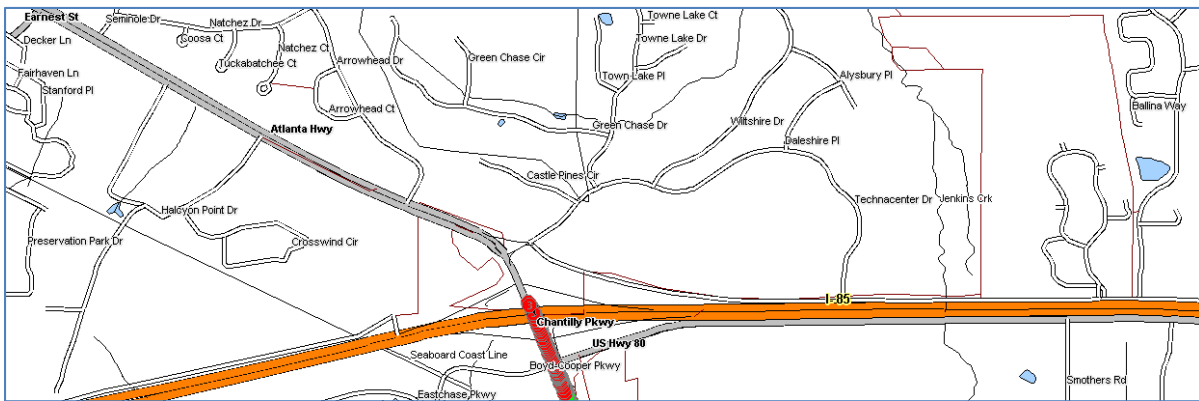
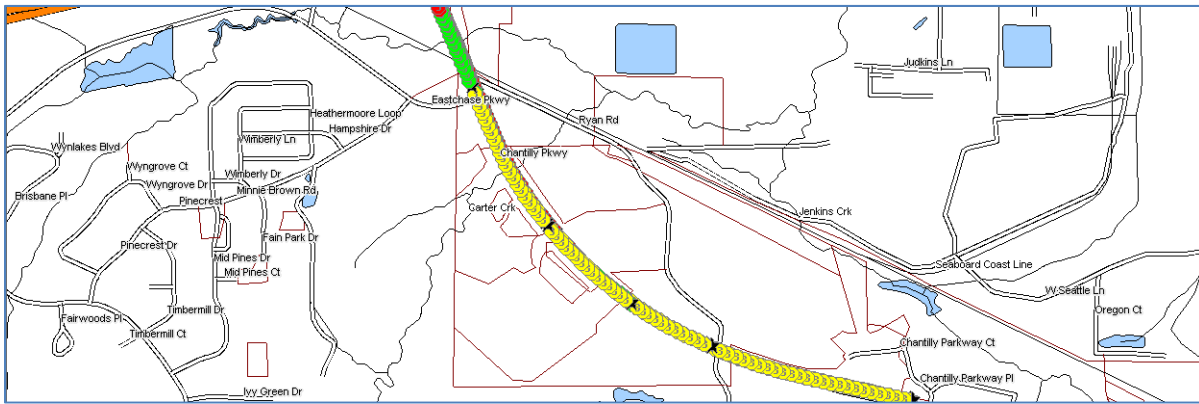
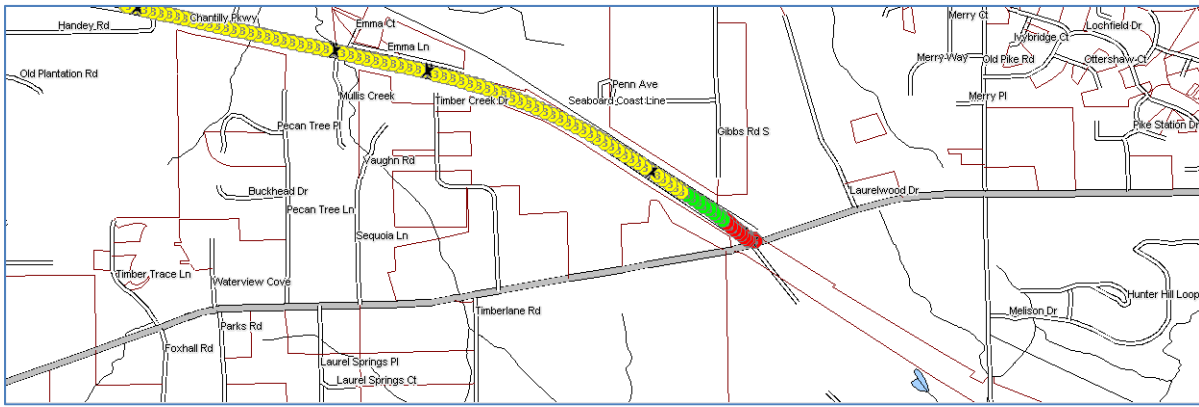
Montgomery MPO

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

Speed/Distance Profiles of All Runs



Chantilly Pkwy AM NB



Color Code Speeds

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