

Congestion Management Plan Update
Montgomery MPO

PC-Travel Reports for study: Chantilly Pkwy AM SB 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 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**
 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	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
Total	16,533		241.7	1.3	46.6	48.0	3.0	78.0	129.3

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

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**
 Page No. : **6**

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**
 Page No. : **7**

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
Totals	16533		1	8	0

Congestion Management Plan Update

Montgomery MPO

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

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**
 Page No. : **9**

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

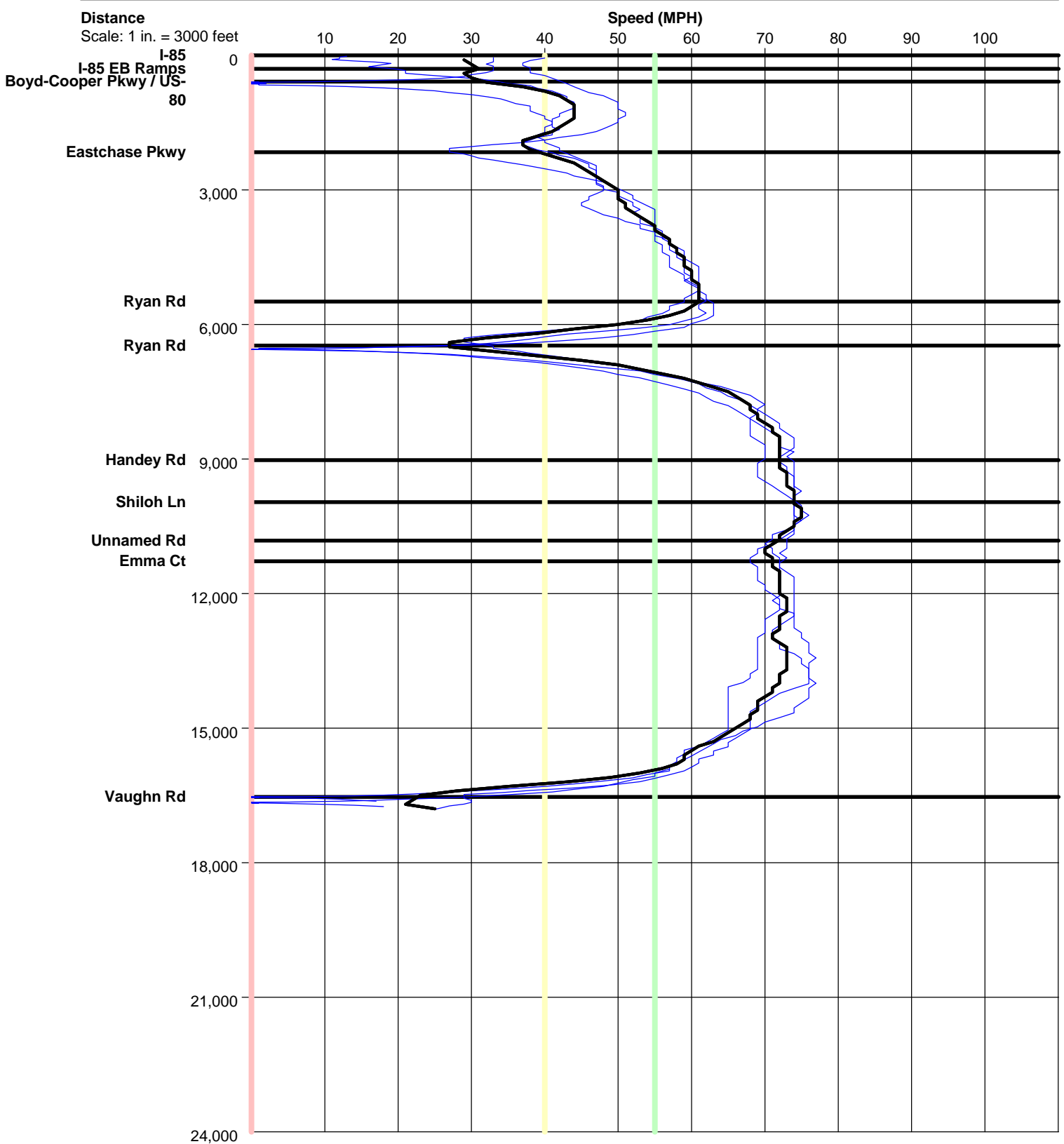
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	14	7	6
3	288	Boyd-Cooper Pkwy / US-	8	8	5
4	1573	Eastchase Pkwy	26	83	25
5	3329	Ryan Rd	24	24	22
6	981	Ryan Rd	13	6	9
7	2558	Handey Rd	9	30	31
8	934	Shiloh Ln	0	0	0
9	860	Unnamed Rd	0	0	0
10	460	Emma Ct	0	0	0
11	5255	Vaughn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

Congestion Management Plan Update

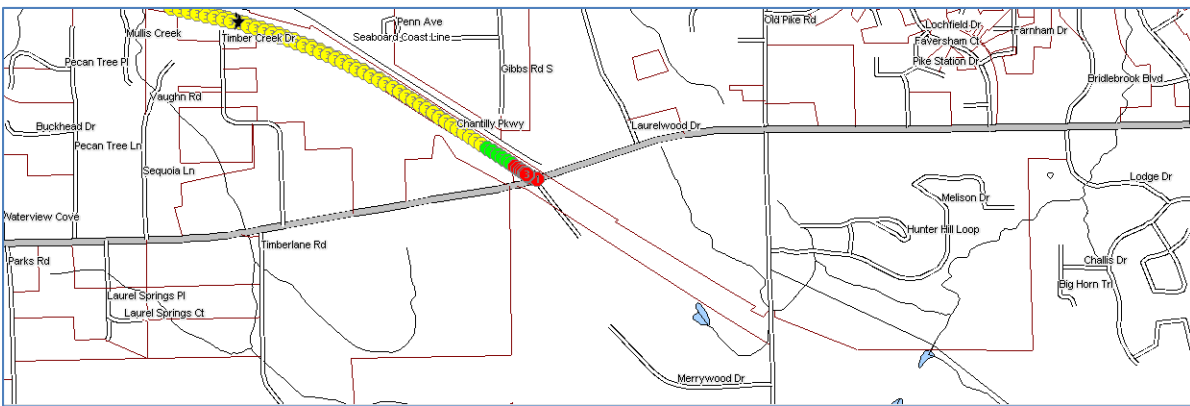
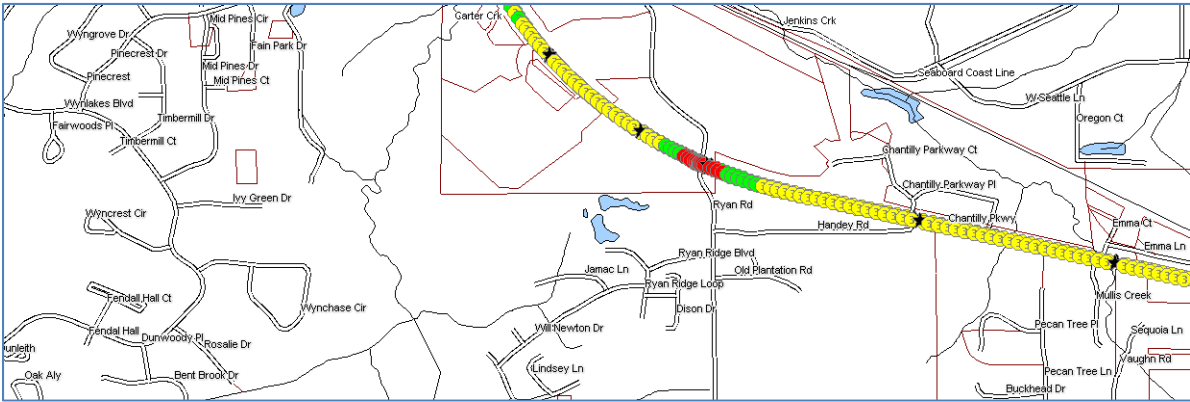
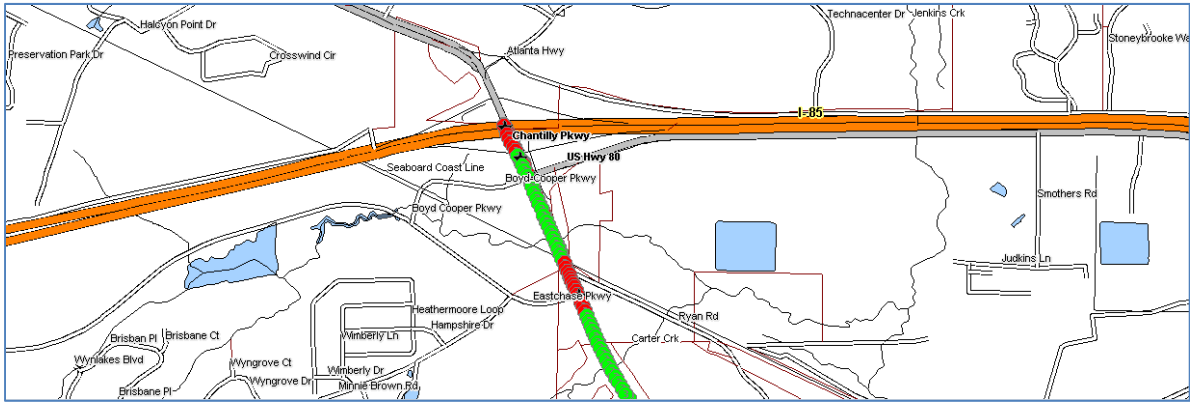
Montgomery MPO

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

Speed/Distance Profiles of All Runs



Chantilly Pkwy AM SB



Color Code Speeds				
■	Speed 1	0	To	40
■	Speed 2	40	To	55
■	Speed 3	55	To	99