

Congestion Management Plan Update
Montgomery MPO

PC-Travel Reports for study: Chantilly Pkwy PM 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 PM SB Study**
 Study Date : **11/21/2013**
 Page No. : **2**

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
Chantilly Pkwy PM-SB-001 t	11/21/13	17:22	16594	Before	Secondary
Chantilly Pkwy PM-SB-002 t	12/17/13	16:01	16764	Before	Secondary
Chantilly Pkwy PM-SB-003 t	10/23/13	17:40	16649	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 PM SB Study**
 Study Date : **11/21/2013**
 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	7.7	0.0	26.2	3.7	0.0	6.0	7.7
3	288	Boyd-Cooper Pkwy / US-80	9.7	0.3	20.3	5.7	0.7	9.3	9.7
4	1573	Eastchase Pkwy	29.7	0.0	36.2	9.7	0.0	16.7	29.7
5	3329	Ryan Rd	60.0	0.3	37.8	19.3	10.7	20.0	45.7
6	981	Ryan Rd	19.3	0.3	34.6	8.0	2.7	8.7	12.3
7	2558	Handey Rd	30.0	0.0	58.1	1.0	0.0	2.7	6.0
8	934	Shiloh Ln	9.7	0.0	65.9	0.0	0.0	0.0	0.0
9	860	Unnamed Rd	9.3	0.0	62.8	0.0	0.0	0.0	0.0
10	460	Emma Ct	5.0	0.0	62.7	0.0	0.0	0.0	0.0
11	5255	Vaughn Rd	75.0	0.3	47.8	10.3	2.7	20.7	33.3
Total	16,533		255.3	1.3	44.1	57.7	16.7	84.0	144.3

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 PM SB Study**
 Study Date : **11/21/2013**
 Page No. : **4**

Detailed Statistics By Run

Travel Time (sec) by Section

Chantilly Pkwy PM-SB-001 t
Chantilly Pkwy PM-SB-002 t
Chantilly Pkwy PM-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	12	5	6
3	288	Boyd-Cooper Pkwy / US-	17	6	6
4	1573	Eastchase Pkwy	27	31	31
5	3329	Ryan Rd	44	39	97
6	981	Ryan Rd	12	10	36
7	2558	Handey Rd	29	25	36
8	934	Shiloh Ln	10	9	10
9	860	Unnamed Rd	10	9	9
10	460	Emma Ct	5	5	5
11	5255	Vaughn Rd	66	95	64
Totals	16533		232	234	300

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy PM SB Study**
 Study Date : **11/21/2013**
 Page No. : **5**

Detailed Statistics By Run

Average Speed (MPH) by Section

Chantilly Pkwy PM-SB-001 t
Chantilly Pkwy PM-SB-002 t
Chantilly Pkwy PM-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	16.6	41.6	34.7
3	288	Boyd-Cooper Pkwy / US-	11.6	33.8	35.2
4	1573	Eastchase Pkwy	40.1	35.0	34.1
5	3329	Ryan Rd	52.2	58.6	23.4
6	981	Ryan Rd	54.7	64.4	18.4
7	2558	Handey Rd	61.0	70.9	49.9
8	934	Shiloh Ln	60.2	67.1	64.1
9	860	Unnamed Rd	62.1	68.0	63.7
10	460	Emma Ct	63.2	68.0	63.0
11	5255	Vaughn Rd	53.8	37.1	55.3
Totals	16533		48.7	48.2	37.6

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy PM SB Study**
 Study Date : **11/21/2013**
 Page No. : **6**

Detailed Statistics By Run

Total Delay (sec) by Section

Chantilly Pkwy PM-SB-001 t
Chantilly Pkwy PM-SB-002 t
Chantilly Pkwy PM-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	8	1	2
3	288	Boyd-Cooper Pkwy / US-	13	2	2
4	1573	Eastchase Pkwy	7	11	11
5	3329	Ryan Rd	2	0	56
6	981	Ryan Rd	0	0	24
7	2558	Handey Rd	0	0	3
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	30	0
Totals	16533		31	44	98

Total Delay based on a Normal Speed of 55 MPH.

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy PM SB Study**
 Study Date : **11/21/2013**
 Page No. : **7**

Detailed Statistics By Run

Time <= 0 MPH by Section

Chantilly Pkwy PM-SB-001 t
Chantilly Pkwy PM-SB-002 t
Chantilly Pkwy PM-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-	2	0	0
4	1573	Eastchase Pkwy	0	0	0
5	3329	Ryan Rd	0	0	32
6	981	Ryan Rd	0	0	8
7	2558	Handey Rd	0	0	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	0	8	0
Totals	16533		2	8	40

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy PM SB Study**
 Study Date : **11/21/2013**
 Page No. : **8**

Detailed Statistics By Run

Time <= 40 MPH by Section

Chantilly Pkwy PM-SB-001 t
Chantilly Pkwy PM-SB-002 t
Chantilly Pkwy PM-SB-003 t

Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	12	0	6
3	288	Boyd-Cooper Pkwy / US-	17	5	6
4	1573	Eastchase Pkwy	10	14	26
5	3329	Ryan Rd	0	0	60
6	981	Ryan Rd	0	0	26
7	2558	Handey Rd	0	0	8
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	15	43	4
Totals	16533		54	62	136

Congestion Management Plan Update

Montgomery MPO

Study Name : **Chantilly Pkwy PM SB Study**
 Study Date : **11/21/2013**
 Page No. : **9**

Detailed Statistics By Run

Time <= 55 MPH by Section

Chantilly Pkwy PM-SB-001 t
Chantilly Pkwy PM-SB-002 t
Chantilly Pkwy PM-SB-003 t

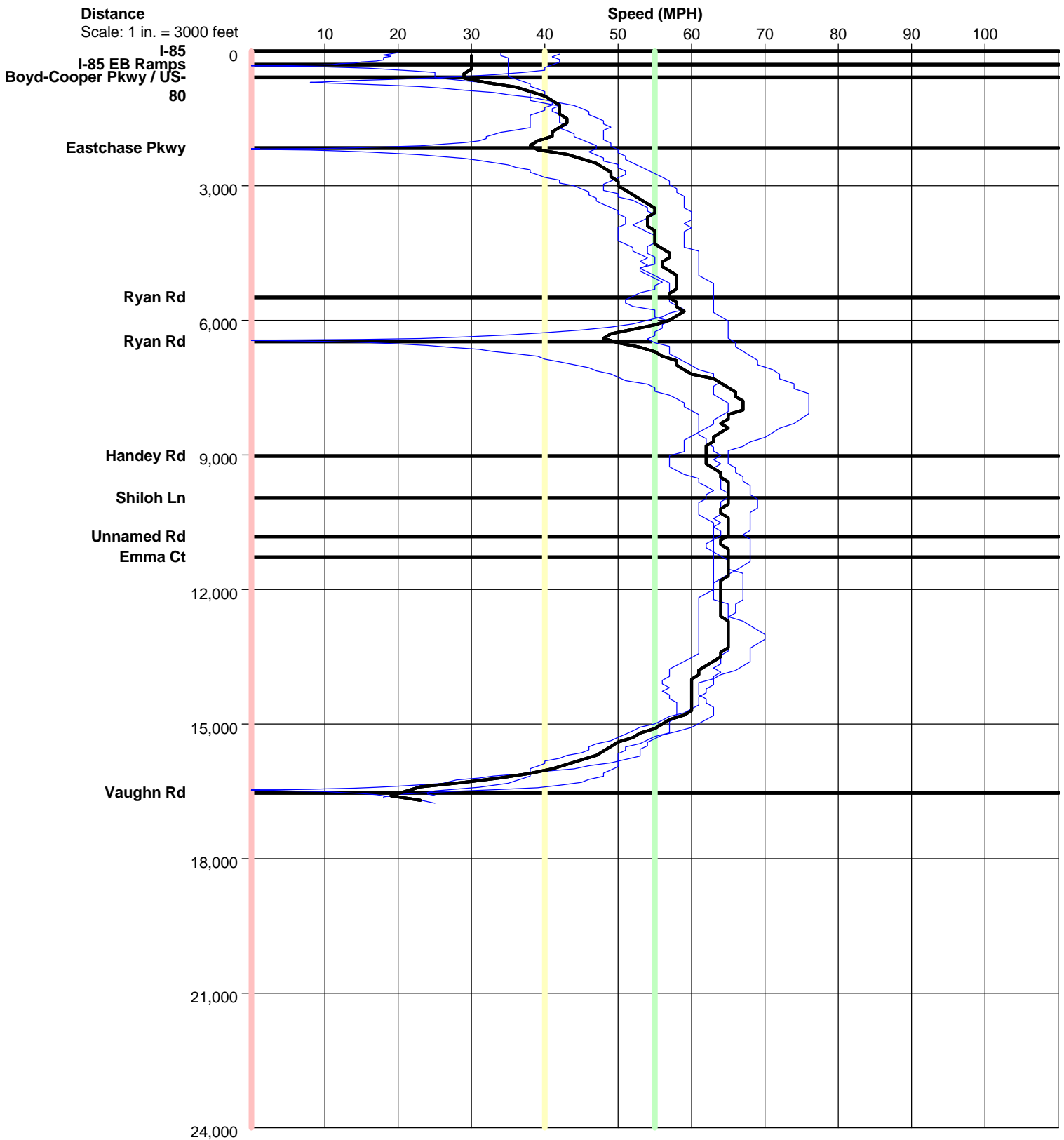
Node #	Length	Node Name	Run #1	Run #2	Run #3
1	0	I-85			
2	295	I-85 EB Ramps	12	5	6
3	288	Boyd-Cooper Pkwy / US-	17	6	6
4	1573	Eastchase Pkwy	27	31	31
5	3329	Ryan Rd	39	7	91
6	981	Ryan Rd	6	0	31
7	2558	Handey Rd	0	0	18
8	934	Shiloh Ln	0	0	0
9	860	Unnamed Rd	0	0	0
10	460	Emma Ct	0	0	0
11	5255	Vaughn Rd	28	53	19
Totals	16533		129	102	202

Congestion Management Plan Update

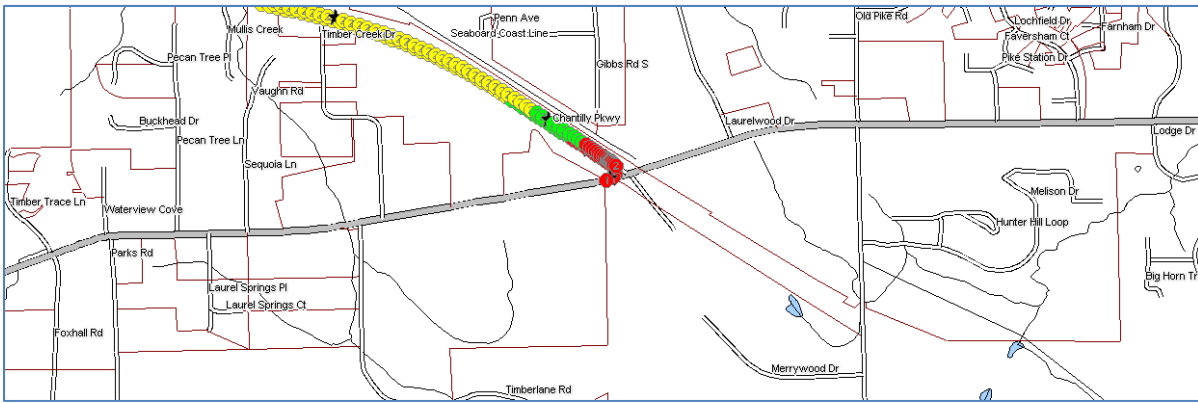
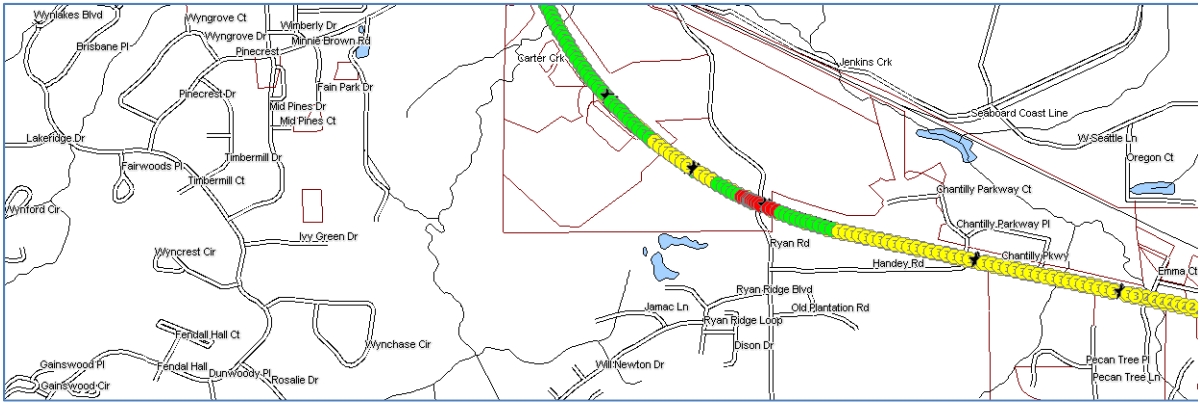
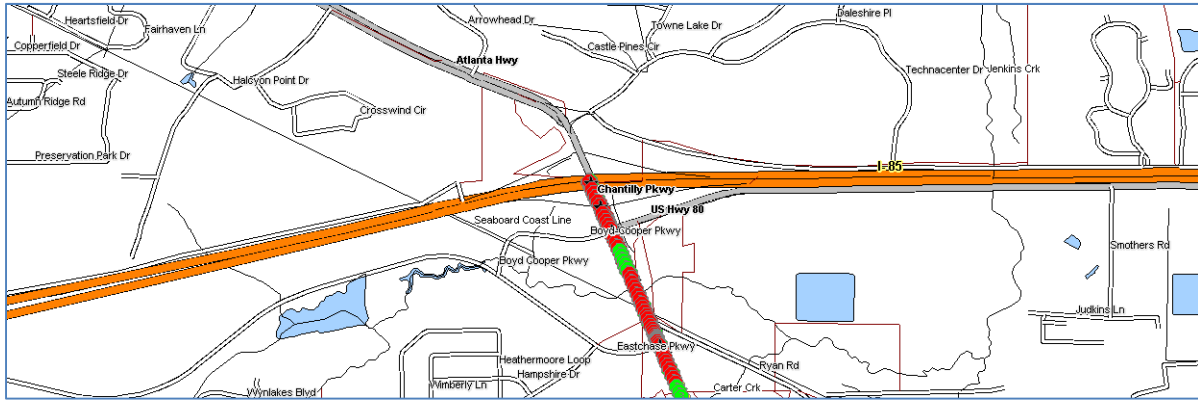
Montgomery MPO

Study Name : Chantilly Pkwy PM SB Study
Study Date : 11/21/2013
Page No. : 10

Speed/Distance Profiles of All Runs



Chantilly Pkwy PM SB



Color Code Speeds

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