Where We Stand
7th Edition – Update 6

Congestion

October 25, 2017

WWS 7th Edition, Data, & Updates
www.ewgateway.org/research-center/where-we-stand/

Subscribe to the WWS email list
wws@ewgateway.org

Source: Regional Integrated Transportation Information System (RITIS)

- Funded by Federal Highway Administration (FHWA).
- Currently housed at University of Maryland CATT Lab.
- Uses probe data.
- Geography: Road Segment
- Time interval: 5 minute averages.

WHERE
WE
STAND

Travel Time Index

Travel Time Index

Morning Rush Hour (6 to 9 am), 2016

1	**Los Angeles**	**1.88**
2	San Francisco	1.64
3	San Jose	1.57
4	Boston	1.50
5	Seattle	1.48
6	Washington, D.C.	1.46
7	New York	1.44
7	Philadelphia	1.44
7	San Diego	1.44
10	Miami	1.42
10	Portland	1.42
12	Orlando	1.41
13	Austin	1.39
14	Baltimore	1.38
14	Houston	1.38
16	Denver	1.36
16	Virginia Beach	1.36
18	Chicago	1.31
Peer Average		**1.30**
19	Atlanta	1.30
20	Dallas	1.29
21	Pittsburgh	1.28
21	Tampa	1.28
23	Detroit	1.27
23	Milwaukee	1.27
23	Minneapolis	1.27
23	Riverside	1.27
27	Raleigh	1.25
27	Sacramento	1.25
29	Jacksonville	1.24
29	Nashville	1.24
31	Buffalo	1.23
31	Charlotte	1.23
31	Hartford	1.23
31	Providence	1.23
35	New Orleans	1.22
35	Phoenix	1.22
37	Las Vegas	1.21
37	San Antonio	1.21
39	Cleveland	1.19
40	Cincinnati	1.17
40	Kansas City	1.17
40	Oklahoma City	1.17
40	Salt Lake City	1.17
44	Louisville	1.16
44	Memphis	1.16
46	Birmingham	1.15
46	Columbus	1.15
46	Richmond	1.15
46	**St. Louis**	**1.15**
50	**Indianapolis**	**1.13**

Travel Time Index

Evening Rush Hour (4 to 7 pm), 2016

1	**Los Angeles**	**2.34**
2	San Jose	2.23
3	San Francisco	2.04
4	Orlando	1.85
5	Portland	1.80
6	Seattle	1.74
7	Austin	1.71
8	San Diego	1.69
8	Washington, D.C.	1.69
10	Boston	1.66
11	Philadelphia	1.64
12	Miami	1.61
13	Houston	1.60
14	New York	1.59
15	Virginia Beach	1.57
16	Baltimore	1.48
17	Denver	1.47
18	Atlanta	1.46
Peer Average		**1.45**
19	Chicago	1.45
20	Dallas	1.42
20	Minneapolis	1.42
22	Tampa	1.41
23	Charlotte	1.36
23	Detroit	1.36
23	Pittsburgh	1.36
26	Hartford	1.35
26	Milwaukee	1.35
28	New Orleans	1.34
29	Nashville	1.33
29	Raleigh	1.33
29	Sacramento	1.33
32	Providence	1.32
33	Buffalo	1.31
33	Riverside	1.31
33	San Antonio	1.31
36	Jacksonville	1.30
37	Las Vegas	1.28
38	Cincinnati	1.25
38	Columbus	1.25
38	Louisville	1.25
38	Phoenix	1.25
42	Oklahoma City	1.24
42	Salt Lake City	1.24
44	Cleveland	1.22
44	**St. Louis**	**1.22**
46	Kansas City	1.21
46	Memphis	1.21
48	Birmingham	1.19
49	Indianapolis	1.17
49	**Richmond**	**1.17**

Rush Hour Travel Time vs. Non-Congested Travel Time

St. Louis Metropolitan Statistical Area, 2016

Morning Rush Hour

- 15% Longer travel time
- 30 minute trip takes 35 minutes

Evening Rush Hour

- 22% Longer travel time
- 30 minute trip takes 37 minutes

WHERE WE STAND

Planning Time Index

Planning Time Index

Morning Rush Hour (6 to 9 am), 2016

1	**Los Angeles**	**3.25**
2	San Francisco	2.79
3	San Jose	2.73
4	Boston	2.51
5	Seattle	2.33
6	Washington, D.C.	2.28
7	Portland	2.22
8	Miami	2.18
8	New York	2.18
10	San Diego	2.16
11	Orlando	2.15
11	Philadelphia	2.15
13	Baltimore	2.08
14	Houston	2.04
14	Virginia Beach	2.04
16	Austin	1.98
17	Denver	1.96
18	Minneapolis	1.87
19	Chicago	1.86
20	Dallas	1.83
Peer Average		**1.83**
21	Milwaukee	1.82
22	Atlanta	1.76
22	Detroit	1.76
24	Raleigh	1.71
24	Riverside	1.71
24	Tampa	1.71
27	Pittsburgh	1.70
28	Buffalo	1.67
28	Nashville	1.67
30	Charlotte	1.65
30	Hartford	1.65
32	Jacksonville	1.64
33	Providence	1.63
34	Sacramento	1.62
35	San Antonio	1.59
36	New Orleans	1.57
37	Cleveland	1.55
38	Cincinnati	1.48
38	Phoenix	1.48
40	Las Vegas	1.47
41	Columbus	1.44
41	Kansas City	1.44
43	Louisville	1.43
44	**St. Louis**	**1.42**
45	Salt Lake City	1.41
46	Oklahoma City	1.39
47	Memphis	1.38
48	Birmingham	1.37
49	Richmond	1.33
50	**Indianapolis**	**1.32**

Planning Time Index

Evening Rush Hour (4 to 7 pm), 2016

1	**Los Angeles**	**4.17**
1	San Jose	4.17
3	San Francisco	3.57
4	Orlando	3.53
5	Portland	3.33
6	Seattle	3.12
7	Boston	2.98
8	Washington, D.C.	2.87
9	San Diego	2.85
10	Philadelphia	2.77
11	Virginia Beach	2.74
12	Austin	2.67
13	Houston	2.65
14	Miami	2.63
15	New York	2.54
16	Baltimore	2.41
17	Minneapolis	2.39
18	Chicago	2.27
19	Denver	2.26
Peer Average		**2.25**
20	Dallas	2.22
21	Atlanta	2.21
22	Tampa	2.18
23	Detroit	2.13
24	Milwaukee	2.08
25	Pittsburgh	2.04
26	Charlotte	2.03
27	Hartford	2.02
28	New Orleans	1.99
29	Buffalo	1.96
30	Providence	1.95
30	Raleigh	1.95
32	Nashville	1.92
33	Sacramento	1.86
33	San Antonio	1.86
35	Riverside	1.82
36	Jacksonville	1.81
37	Louisville	1.80
38	Columbus	1.79
39	Cincinnati	1.74
40	Oklahoma City	1.69
41	Las Vegas	1.67
42	Cleveland	1.64
42	Salt Lake City	1.64
44	Kansas City	1.59
44	**St. Louis**	**1.59**
46	Phoenix	1.58
47	Memphis	1.54
48	Indianapolis	1.50
49	Birmingham	1.49
50	**Richmond**	**1.43**

Arrive On Time, Every Time. In St. Louis

30 Minute drive during non-congested times…

- Plan for **43 minutes** in **morning** rush hour
- Plan for **48 minutes** in the **evening** rush hour

WHERE
WE
STAND

Travel Time Reliability

Interstate Travel Time Reliability

Percent of person-miles traveled on interstates that are reliable, 2016

1	**Kansas City**	**88.6**
2	Cleveland	88.3
3	Pittsburgh	88.1
4	Memphis	87.2
5	Virginia Beach	83.7
6	Providence	83.0
7	**St. Louis**	**82.4**
8	Milwaukee	77.9
9	Columbus	77.0
10	Cincinnati	76.8
11	Las Vegas	75.7
12	San Antonio	72.7
12	Tampa	72.7
14	New York	72.2
15	Salt Lake City	71.9
16	Charlotte	71.1
17	Riverside	69.8
18	Philadelphia	69.3
19	Detroit	68.8
20	Jacksonville	68.7
21	Miami	68.3
Peer Average		**67.0**
22	Atlanta	66.9
23	Sacramento	65.3
24	Baltimore	64.5
25	Minneapolis	64.2
26	Chicago	63.5
27	Orlando	63.1
28	Dallas	62.9
29	San Diego	61.1
30	Austin	59.0
31	Boston	58.7
32	Denver	56.0
33	Washington, D.C.	54.1
34	San Francisco	49.2
35	Houston	48.7
36	Portland	48.4
37	Seattle	47.5
38	Phoenix	47.2
39	San Jose	45.7
40	**Los Angeles**	**41.1**

Non-Interstate Travel Time Reliability

Percent of person-miles traveled on non-interstates that are reliable, 2016

1	**Kansas City**	**71.5**
2	Minneapolis	69.6
3	Orlando	64.3
4	Providence	60.0
5	Memphis	59.6
6	**St. Louis**	**59.1**
7	Jacksonville	58.8
7	Riverside	58.8
9	Tampa	58.6
10	Virginia Beach	58.4
11	Milwaukee	57.7
12	Columbus	56.1
13	Baltimore	55.7
14	Philadelphia	55.5
15	Phoenix	55.2
16	New York	54.8
17	Las Vegas	53.3
18	San Diego	53.0
19	Atlanta	52.9
20	Chicago	51.7
21	Washington, D.C.	51.6
Peer Average		**51.0**
22	Cincinnati	50.9
23	Pittsburgh	49.7
24	Boston	49.6
25	Denver	48.5
26	Charlotte	47.2
27	San Antonio	46.7
28	Cleveland	46.6
29	Houston	46.2
30	Sacramento	45.2
31	San Jose	44.4
32	Austin	44.0
33	Portland	41.9
34	Detroit	41.3
35	Miami	39.1
36	Dallas	38.6
37	Seattle	38.3
38	Salt Lake City	37.7
39	San Francisco	37.4
40	**Los Angeles**	**30.2**

Percent of Miles Traveled on Reliable Roads

St. Louis Urbanized Area & Peer Average, 2016

WHERE WE STAND

Truck Travel Time Reliability

Truck Travel Time Reliability Index

2016

1	**Seattle**	**3.99**
2	Houston	3.81
3	Portland	3.71
4	Los Angeles	3.70
5	Washington, D.C.	3.64
6	San Francisco	3.44
7	Phoenix	3.29
8	San Jose	3.20
9	Minneapolis	3.01
10	New York	2.99
11	Salt Lake City	2.96
12	Riverside	2.95
13	Virginia Beach	2.94
14	San Diego	2.82
15	Las Vegas	2.81
16	Boston	2.78
17	Dallas	2.77
18	Baltimore	2.73
19	Orlando	2.71
Peer Average		**2.65**
20	Denver	2.64
21	Miami	2.59
22	Sacramento	2.55
23	Milwaukee	2.43
24	Atlanta	2.36
25	Jacksonville	2.34
26	Austin	2.29
27	San Antonio	2.29
28	Philadelphia	2.28
28	Providence	2.28
30	Chicago	2.26
31	Detroit	2.25
32	Pittsburgh	2.20
33	**St. Louis**	**2.13**
34	Columbus	2.11
35	Charlotte	2.09
36	Tampa	2.08
37	Cincinnati	2.06
38	Memphis	1.94
39	Kansas City	1.86
40	Cleveland	1.74
41	**Indianapolis**	**1.68**

MAP-21 (and subsequently the FAST Act) required establishment of national goals, performance measures, and accountability in planning and funding transportation investments (FAST Act §§ 1116, 1406; 23 U.S.C. 119, 148, 150, 167)

- Safety
- Infrastructure Condition
- Congestion Reduction
- System Reliability
- Freight Movement and Economic Vitality
- Environmental sustainability
- Reduced Project Delivery Delays

WHERE WE STAND

Google Maps
Secure
https://www.google.com/maps/@38.6309595,-90.3594109,10.4z/data=!5m1!1e1
Search Google Maps
O'Fallon
St Peters
St Charles
Florissant
Hazelwood
Ferguson
Lake St Louis
New Melle
Weldon Spring
Maryland Heights
Chesterfield
Creve Coeur
Granite City
Madison
Wood River
Roxana
Edwardsville
Troy
Missouri River
Mississippi River
St. Louis
Defiance
Matson
Town and Country
Ballwin
Wildwood
Fairview Heights
Lebanon
Shiloh
Labadie
Fenton
Belleville
Gray Summit
Pacific
Villa Ridge
Mascouta
Millstadt
Freeburg
Robertsville
House Springs
Smithton
Typical traffic
Fast
Slow
S M T W T F S
Wednesday, 8:20 AM
8 AM 12 PM 4 PM 8 PM
Satellite
Map data ©2017 Google
United States
Terms
Send feedback
5 mi
Start
7:38 AM
10/17/2017

Google Maps
Secure
https://www.google.com/maps/@38.9279851,-77.0394844,10.4z/data=!5m1!1e1
Search Google Maps
Gaithersburg
Olney
Glen Burnie
Leesburg
Potomac River
Rockville
Laurel
Fort Meade
Odenton
Ashburn
North Bethesda
Potomac
Sterling
Greenbelt
Bowie
Crofton
Arnold
Bethesda
Annapolis
Dulles
Hyattsville
Edgewater
Tysons
Washington
Chantilly
Largo
Fairfax
Annandale
Shady Side
Alexandria
Gainesville
Springfield
Joint Base Andrews
Manassas Park
Deale
Manassas
Dunkirk
Lake Ridge
Satellite
Typical traffic
Fast
Slow
S M T W T F S
Wednesday, 8:20 AM
8 AM 12 PM 4 PM 8 PM
Map data ©2017 Google
United States
Terms
Send feedback
5 mi
Start
7:39 AM
10/17/2017

Google Maps
Secure
https://www.google.com/maps/@33.8509642,-84.2903305,10.4z/data=!5m1!1e1
Search Google Maps
Alpharetta
Roswell
Johns Creek
Duluth
Suwanee
Braselton
Auburn
Winder
Kennesaw
East Cobb
Marietta
White Forest
Dallas
Sandy Springs
Norcross
Lawrenceville
Smyrna
Hiram
Powder Springs
Brookhaven
BUCKHEAD
Tucker
Grayson
Snellville
Loganville
Mableton
Stone Mountain
Monroe
Decatur
Atlanta
Douglasville
Redan
Lithonia
Lakeview Estates
Jersey
Conyers
Campbellton
Oxford
Satellite
Typical traffic
Fast
Slow
S M T W T F S
Wednesday, 8:20 AM
8 AM 12 PM 4 PM 8 PM
Map data ©2017 Google
United States
Terms
Send feedback
5 mi
Start
7:44 AM
10/17/2017

Google Maps
Secure
https://www.google.com/maps/@40.7068403,-73.8930076,10.4z/data=!5m1!1e1
Search Google Maps
New Rochelle
Denville
Clifton
Montclair
Morristown
Livingston
Newark
Summit
Plainfield
Linden
Woodbridge Township
Piscataway Township
Edison
Perth Amboy
STATEN ISLAND
Upper Bay
Lower Bay
New York
MANHATTAN
BRONX
FLUSHING
QUEENS
BROOKLYN
Huntington
Commack
Melville
Hicksville
Garden City
Levittown
Hempstead
Amityville
Freeport
Jones Beach Island
Long Beach
Typical traffic
Fast
Slow
S M T W T F S
Wednesday, 8:20 AM
8 AM 12 PM 4 PM 8 PM
Satellite
Map data ©2017 Google
United States
Terms
Send feedback
5 mi
Start
7:41 AM
10/17/2017

Google Maps
Secure
https://www.google.com/maps/@41.911087,-88.0696337,10.4z/data=!5m1!1e1
Search Google Maps
Carpentersville
Northbrook
Genoa
Hampshire
West Dundee
Arlington Heights
Pingree Grove
Hoffman Estates
Glenview
Burlington
Elgin
Schaumburg
Des Plaines
Evanston
Elk Grove Village
South Elgin
Sycamore
Rosemont
Campton Hills
Cortland
Maple Park
St Charles
Carol Stream
Elburn
Elmhurst
NEAR NORTH SIDE
Chicago
Batavia
Cicero
Kaneville
Oak Brook
Downers Grove
North Aurora
HYDE PARK
Hinckley
Big Rock
Sugar Grove
Aurora
Countryside
Bridgeview
Oswego
Satellite
Typical traffic
Fast
Slow
S M T W T F S
Wednesday, 8:20 AM
8 AM 12 PM 4 PM 8 PM
Map data ©2017 Google
United States
Terms
Send feedback
5 mi
Start
8:11 AM
10/17/2017

Google Maps
Secure
https://www.google.com/maps/@33.9910696,-118.0288786,10.4z/data=!5m1!1e1
Search Google Maps
Typical traffic
Fast
Slow
S M T W T F S
Wednesday, 8:20 AM
8 AM 12 PM 4 PM 8 PM
Satellite
Los Angeles
Burbank
Glendale
Pasadena
La Cañada Flintridge
Mt Baldy
Scotland
Azusa
Covina
El Monte
Pomona
Ontario
Fontana
Chino
City of Industry
Beverly Hills
HOLLYWOOD
Topanga State Park
Santa Monica
SOUTH LOS ANGELES
Inglewood
Downey
El Segundo
Manhattan Beach
Torrance
Lakewood
Fullerton
Anaheim
Brea
Yorba Linda
Corona
El Cerrito
North Tustin
Silverado
Rancho Palos Verdes
SAN PEDRO
Map data ©2017 Google
United States
Terms
Send feedback
5 mi
Start
7:46 AM
10/17/2017

Google Maps
Secure
https://www.google.com/maps/@38.6309595,-90.3594109,10.4z/data=!5m1!1e1
Search Google Maps
O'Fallon
St Peters
St Charles
Florissant
Hazelwood
Ferguson
Lake St Louis
New Melle
Weldon Spring
Maryland Heights
Chesterfield
Creve Coeur
Granite City
Madison
Wood River
Roxana
Edwardsville
Troy
Missouri River
Mississippi River
St. Louis
Defiance
Matson
Town and Country
Ballwin
Wildwood
Fairview Heights
Lebanon
Shiloh
Labadie
Fenton
Belleville
Gray Summit
Pacific
Villa Ridge
Mascouta
Millstadt
Freeburg
Robertsville
House Springs
Smithton
Typical traffic
Fast
Slow
S M T W T F S
Wednesday, 8:20 AM
8 AM 12 PM 4 PM 8 PM
Satellite
Map data ©2017 Google
United States
Terms
Send feedback
5 mi
Start
7:38 AM
10/17/2017

Where We Stand
7th Edition – Update 6

Congestion

October 25, 2017

WWS 7th Edition, Data, & Updates
www.ewgateway.org/research-center/where-we-stand/

Subscribe to the WWS email list
wws@ewgateway.org