

Data Collection and Uses at International Border Crossings



TxDOT's online Data Display

Juan Carlos Villa
July 26, 2016

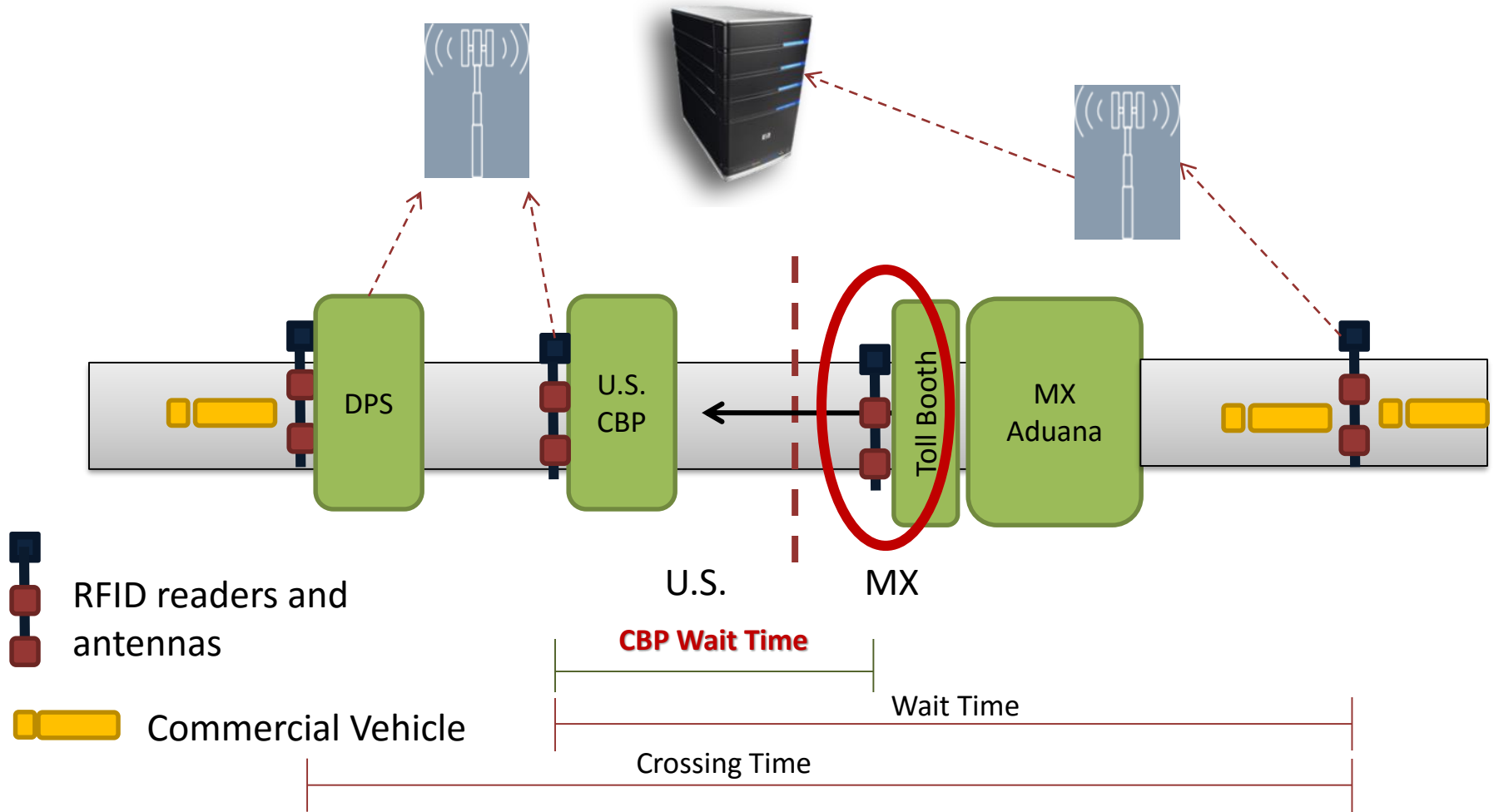
Border Crossing Information System

- Commercial Crossings (Northbound traffic only)
 - Veterans Memorial Bridge, Brownsville, TX
 - Pharr-Reynosa International Bridge, Pharr, TX
 - World Trade Bridge, Laredo, TX
 - Camino Colombia Bridge, Laredo, TX
 - Camino Real International Bridge, Eagle Pass, TX
 - Ysleta-Zaragoza Bridge, El Paso, TX
 - Bridge of the Americas, El Paso, TX
- Passenger Crossings (Northbound and Southbound traffic)
 - Ysleta-Zaragoza Bridge, El Paso, TX

BCIS New Features

- Additional RFID readers installed at exit of toll booths for commercial vehicles in Mexico at:
 - Veterans Memorial Bridge, Brownsville, TX
 - World Trade Bridge, Laredo, TX
 - Camino Colombia Bridge, Laredo, TX
 - Ysleta-Zaragoza Bridge, El Paso, TX
 - Bridge of the Americas, El Paso, TX
- All POE CBP Primary FAST lane booths were segregated to measure FAST and Non FAST travel times

Additional Travel Time Segmentation



BCIS Reports

– CBP Wait Times

- FAST Wait Time - Wait Time for commercial vehicles using CBP FAST lanes.
- Non-FAST Wait Time – Wait Time for commercial vehicles using CBP standard lanes.

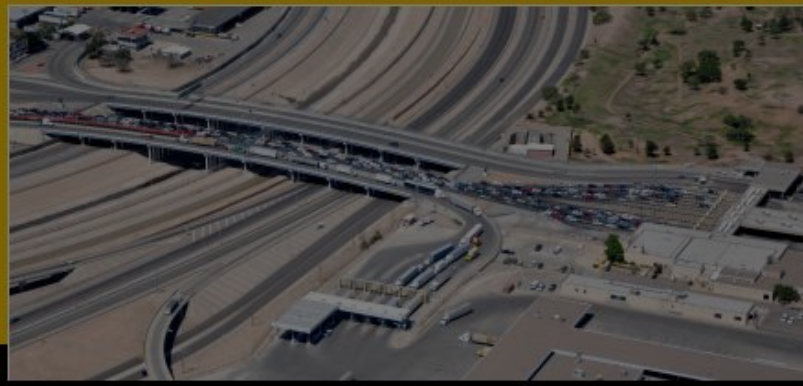
– Crossing Times

- FAST Crossing Time – Crossing Time for commercial vehicles using CBP FAST lanes.
- Non-FAST Crossing Time – Crossing Time for commercial vehicles using CBP Standard lanes.

■ Bridge of the Americas, El Paso, TX

Wait time for Bridge of the Americas, El Paso, TX is estimated based on the travel time between the RFID station at the entrance of the international bridge and the RFID station at the exit of U.S. CBP Primary.

Crossing time for Bridge of the Americas, El Paso, TX is estimated based on the travel time between the RFID station at Intersection of MX45 and Cuatro Siglos and the RFID station at exit of DPS.



EXPECTED WAIT TIME		EXPECTED CROSSING TIME		UPDATED AT
FAST	Non FAST	FAST	Non FAST	

■ Veteran's Memorial Bridge, Brownsville, TX

No Delay	No Delay	37 Minute(s)	29 Minute(s)	Jul 25 2016 11:50AM CDT
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■ Pharr-Reynosa International Bridge, Pharr, TX

No Delay	13 Minute(s)	38 Minute(s)	43 Minute(s)	Jul 25 2016 11:50AM CDT
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■ World Trade Bridge, Laredo, TX

No Delay	12 Minute(s)	24 Minute(s)	32 Minute(s)	Jul 25 2016 11:50AM CDT
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■ Colombia Bridge, Laredo, TX

30 Minute(s)	26 Minute(s)	83 Minute(s)	59 Minute(s)	Jul 25 2016 11:50AM CDT
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■ Camino Real International Bridge, Eagle Pass, TX

N / A ¹	No Delay	N / A ¹	No Delay	Jul 25 2016 11:40AM CDT
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■ Ysleta Bridge, El Paso, TX

No Delay	11 Minute(s)	39 Minute(s)	42 Minute(s)	Jul 25 2016 10:50AM MDT
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■ Bridge of the Americas, El Paso, TX

57 Minute(s)	23 Minute(s)	101 Minute(s)	76 Minute(s)	Jul 25 2016 10:50AM MDT
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■ Nogales-Mariposa Port of Entry, Nogales, AZ

N / A ²	No Delay	N / A ²	18 Minute(s)	Jul 25 2016 9:50AM MST
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N / A¹ = Not available as there are no FAST lanes at this crossing

N / A² = Not available at the moment as FAST crossing and wait times are not being measured

CBP Fast

Non FAST

Individual Segment Travel Times

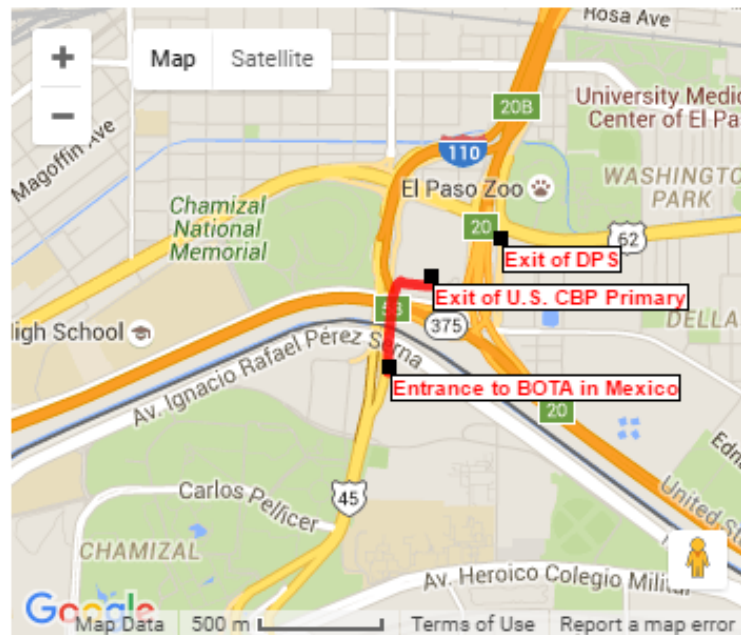
Intersection of MX45 and Cuatro Siglos to Entrance to BOTA in Mexico : 42 Minute(s)

Entrance to BOTA in Mexico to Exit of U.S. CBP Primary : 64 Minute(s)

Exit of U.S. CBP Primary to Exit of DPS : 5 Minute(s)

CBP FAST Wait Time : 64 Minute(s)

CBP FAST Crossing Time : 112 Minute(s)



From : Entrance to BOTA in Mexico
To : Exit of U.S. CBP Primary



From : Intersection of MX45 and Cuatro Siglos
To : Exit of DPS

- Unavailable
 - Travel Time Less Than 30 Minute(s)
 - Travel Time Between 30 Minute(s) and 60 Minute(s)
 - Travel Time Greater Than 60 Minute(s)
- All maps courtesy of GoogleMaps

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Shows Average Travel Time of US bound commercial vehicles, for the selected segment over the selected time period, aggregated at every 1-hour interval.

Select Performance Measure

Hourly Average Travel Time

Select a Port of Entry

World Trade Bridge, Laredo, TX

Select Segment

Crossing time

Date Range

04/20/2016 00:00

Enter

- CBP FAST Wait Time
- CBP Non-FAST Wait Time
- CBP FAST Crossing Time
- CBP Non-FAST Crossing Time
- Wait time
- Crossing time

BORDER CROSSING INFORMATION SYSTEM

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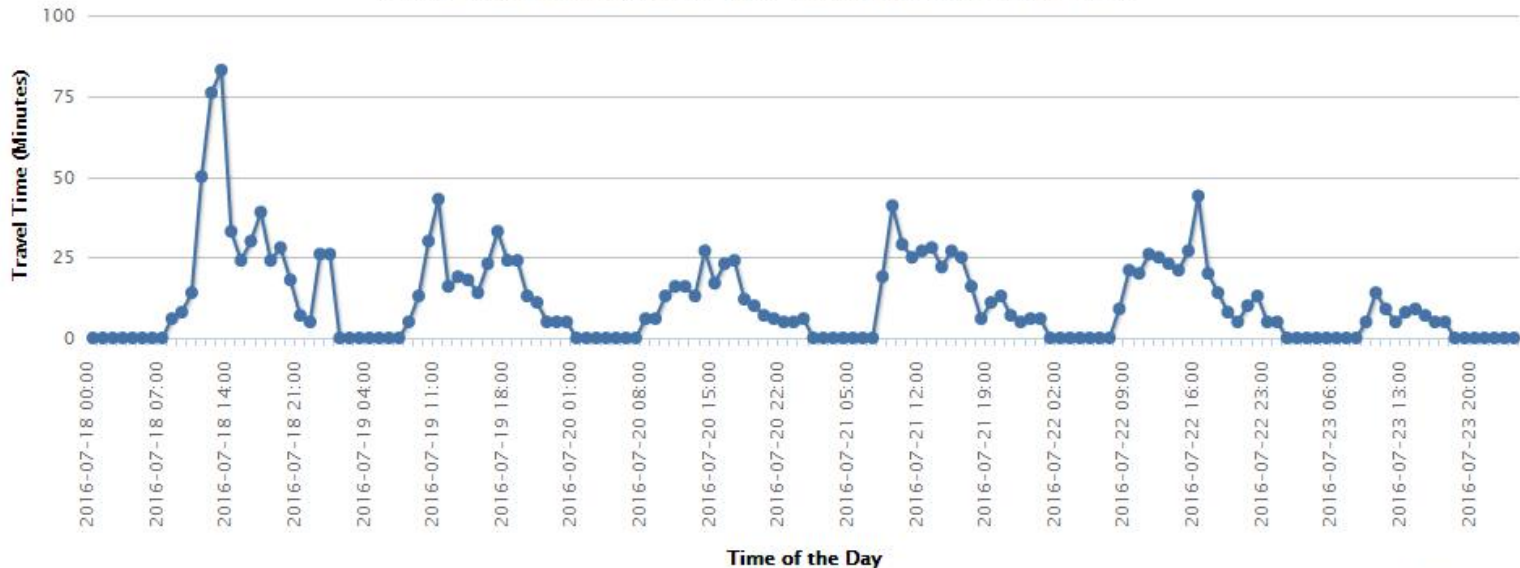
Select Performance Measure:

Select a Port of Entry:

Select Segment:

Date Range: from to

World Trade Bridge, Laredo, TX: Hourly Average Travel Time



Highcharts.com

Area Port Of Pembina Hosts Change Of Command Ceremony

Query Our Archives

Shows Average Travel Time of US bound commercial vehicles, for the selected segment over the selected time period, aggregated at every 1-hour interval.

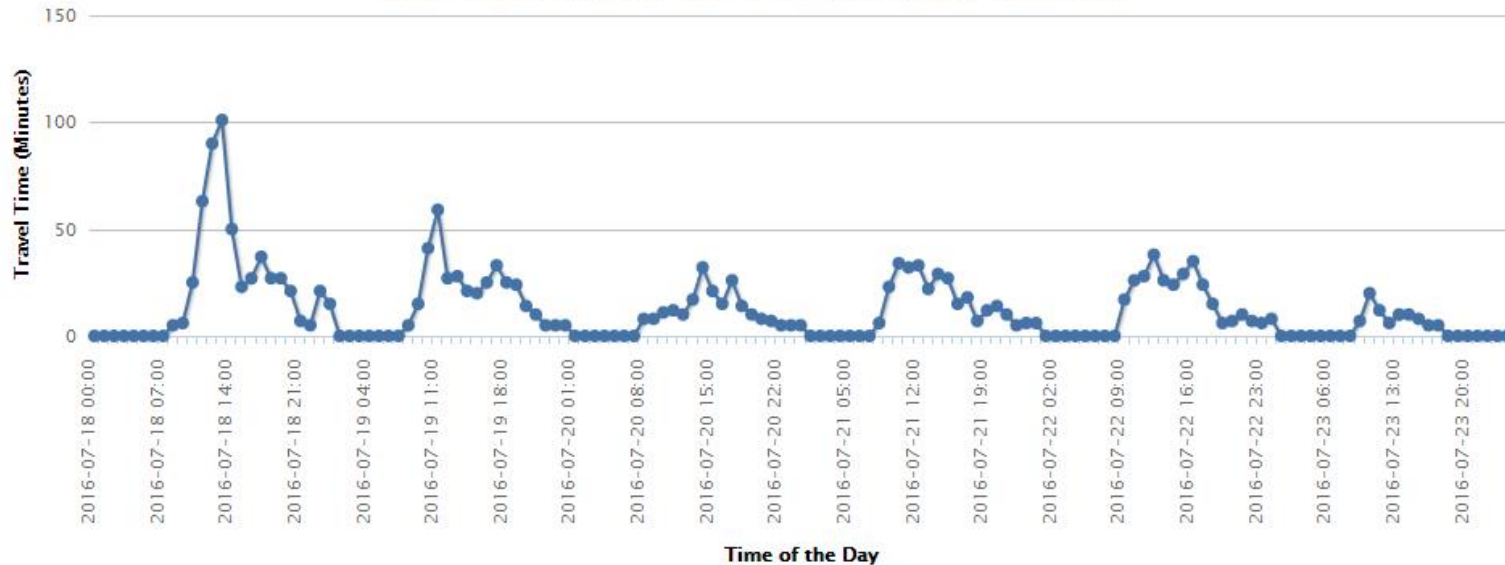
Select Performance Measure:

Select a Port of Entry:

Select Segment:

Date Range: from to

World Trade Bridge, Laredo, TX: Hourly Average Travel Time



Highcharts.com

Laredo Sector Border Patrol Rescue Four Undocumented Immigrants

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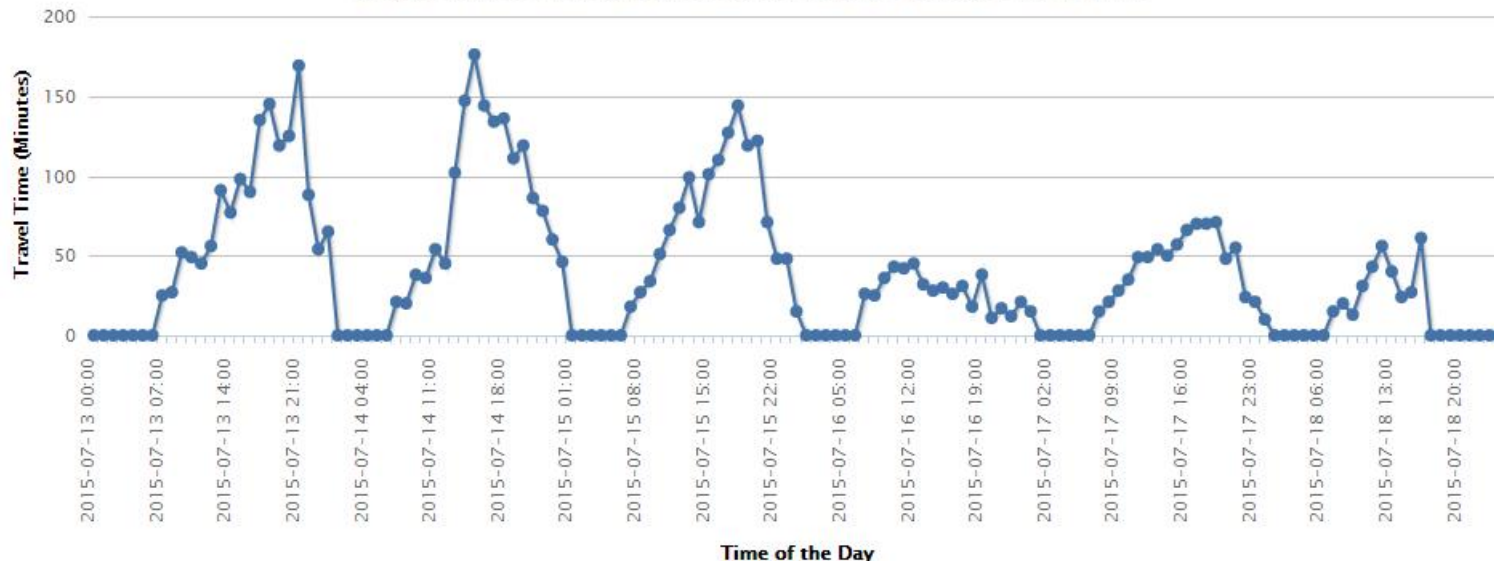
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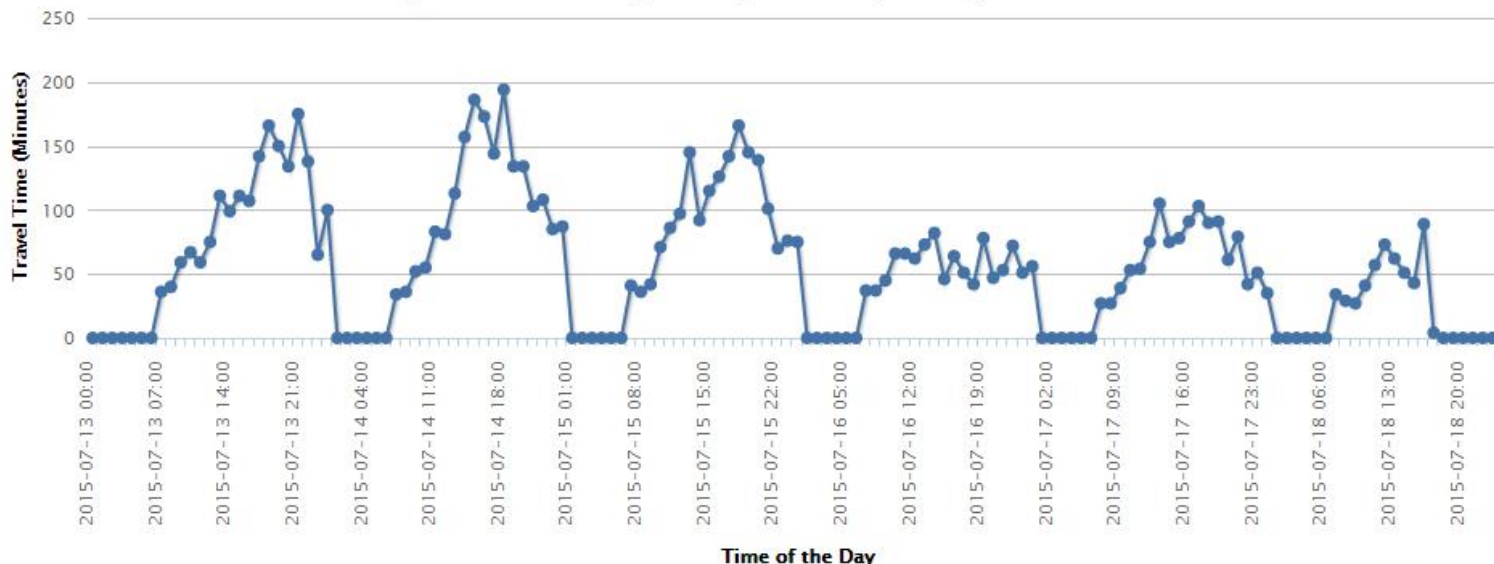
Select Performance Measure:

Select a Port of Entry:

Select Segment:

Date Range: from to

Bridge of the Americas, El Paso, TX: Hourly Average Travel Time



Highcharts.com

CBP Officers at Pharr International Bridge Seize More Than Five Tons of Marijuana in Mango Shipment

View Dashboard

The Dashboard presents a quick look at the performance measures for all ports of entry yesterday, last week and last month.

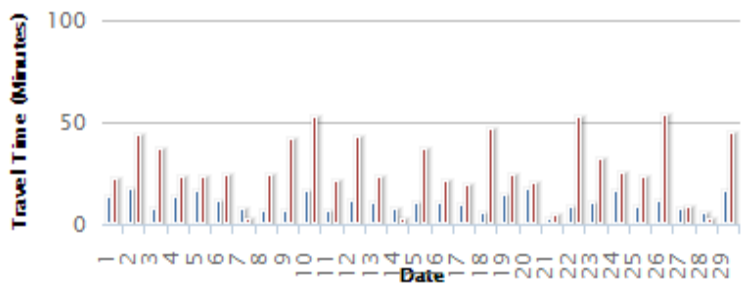
Select a Port of Entry

Wait Time

Median Value

FAST: 4 Min. **Non-FAST: 18 Min.**

10 Minutes Average Wait Time : 2/1/2016 - 2/29/2016



Bridge FAST Bridge Non-FAST

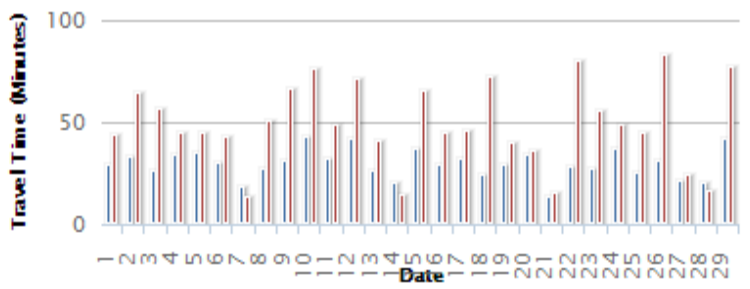
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Crossing Time

Median Value

FAST: 24 Min. **Non-FAST: 43 Min.**

10 Minutes Average Crossing Time : 2/1/2016 - 2/29/2016



Bridge FAST Bridge Non-FAST

Highcharts.com



U.S. - Mexico Border Crossing Profile

Profile of Monthly Border Crossing Times Experienced by Commercial Vehicles Entering the United States from Mexico Through Various Land Ports of Entry in the State of Texas.

June 2016 Outlook for vehicles using CBP standard lanes (Non-FAST lanes)

Hours of Operation (Commercial Vehicles Only)

Port of Entry	Weekday	Weekend
Veterans Memorial Bridge, Brownsville, TX	8:00 AM - 12:00 AM (Central)	8:00 AM - 4:00 PM (Central) Saturday and Sunday
Pharr- Reynosa, Pharr, TX	7:00 AM - 10:00 PM (Central)	8:00 AM - 4:00 PM (Central) Saturday and Sunday
World Trade Bridge, Laredo, TX	8:00 AM - 12:00 AM (Central)	8:00 AM - 4:00 PM (Central) Saturday 10:00 AM - 2:00 PM (Central) Sunday
Colombia Bridge, Laredo, TX	8:00 AM - 12:00 AM (Central)	8:00 AM - 4:00 PM (Central) Saturday 12:00 PM - 4:00 PM (Central) Sunday
Camino Real International Bridge, Eagle Pass, TX	8:00 AM - 10:00 PM (Central)	8:00 AM - 2:00 PM (Central) Saturday
Ysleta Bridge, El Paso, TX	6:00 AM - 12:00 AM (Mountain)	8:00 AM - 4:00 PM (Mountain) Saturday
Bridge of the Americas, El Paso, TX	6:00 AM—6:00 PM (Mountain)	6:00 AM—2:00 PM (Mountain) Saturday

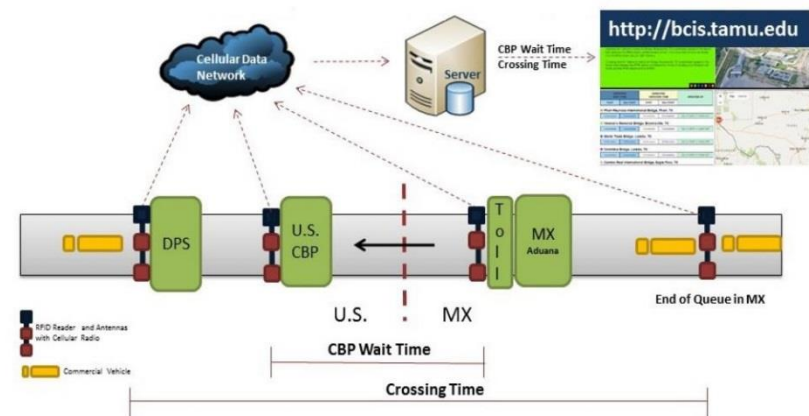
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Definitions

CBP Non-FAST Wait time is defined as the time it take for a commercial vehicle to travel from the RFID reader at the exit of toll booths in Mexico to the RFID reader at the exit of CBP primary inspection booths designated for Non-FAST shipments.

CBP Non-FAST Crossing Time is defined as the time it take for a commercial vehicle passing through the CBP primary inspection lanes designated for Standard shipments to travel from the RFID reader at the end of queue in Mexico to the RFID reader at the exit of DPS vehicle inspection facility.



World Trade – June 2016 – FAST

World Trade Bridge, Laredo, TX

Busiest Day in June 2016 was Saturday June 4 with average crossing time of 76 minutes

Least busy day in June 2016 was Sunday June 19 with average crossing time of 22 minutes

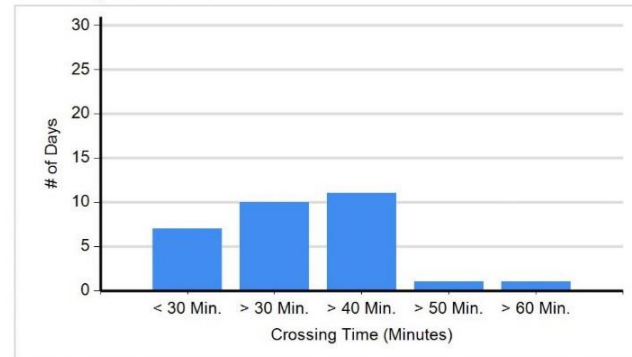
Busiest hour in June 2016 was 13:00 - 14:00 on Saturday June 4 with average crossing time of 136 minutes

Typical Busy Days in June 2016 were Saturday and Tuesday

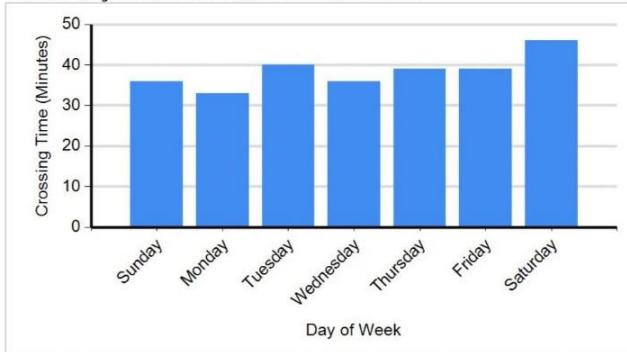
Calendar of average daily crossing times... (minutes)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
May 29	30	31	June...	2	3	4
			40	48	46	76
5	6	7	8	9	10	11
46	41	47	44	41	44	46
12	13	14	15	16	17	18
55	39	46	45	38	34	40
19	20	21	22	23	24	25
22	30	36	26	35	32	24
26	27	28	29	30	July...	2
22	25	33	29	37		
3	4	5	6	7	8	9

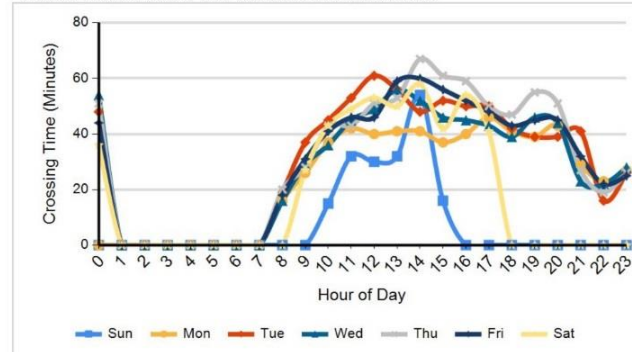
Crossing time distribution for June 2016



Which days were the busiest in June 2016

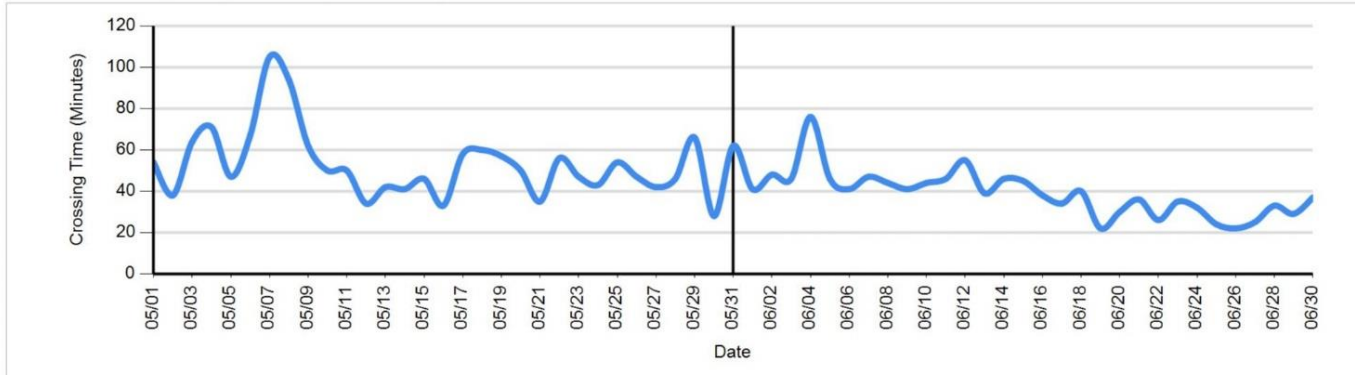


Which hours were the busiest in June 2016

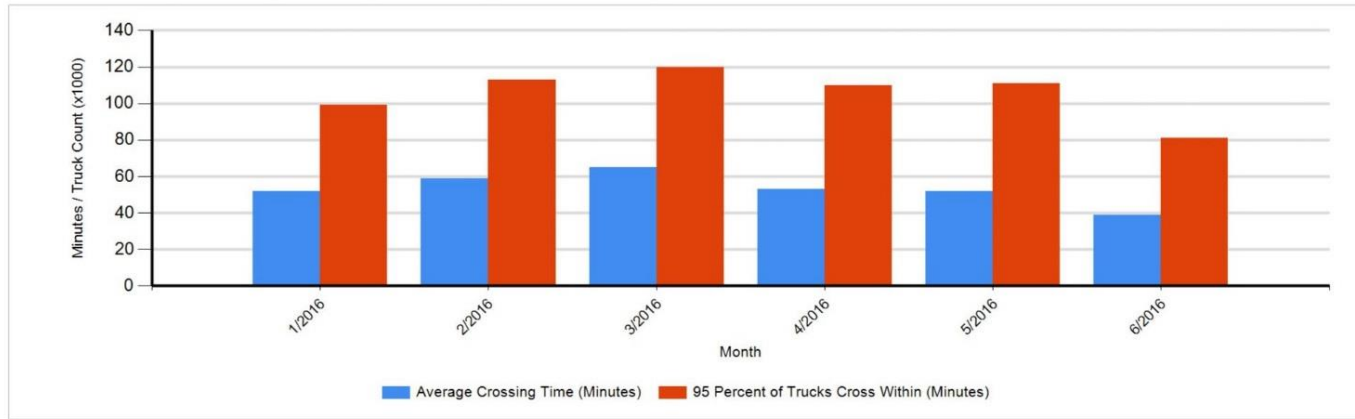


World Trade – June 2016 – FAST

How did average daily crossing time compare to last month's...



How has average monthly crossing time changed since January 2016...



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World Trade – June 2016 – Non-FAST

World Trade Bridge, Laredo, TX

Busiest Day in June 2016 was Saturday June 4 with average crossing time of 73 minutes

Least busy day in June 2016 was Monday June 27 with average crossing time of 25 minutes

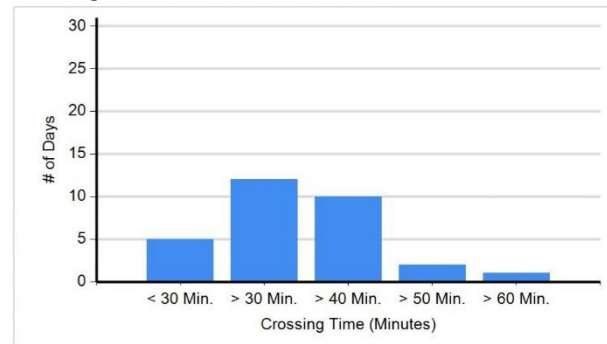
Busiest hour in June 2016 was 13:00 - 14:00 on Saturday June 4 with average crossing time of 121 minutes

Typical Busy Days in June 2016 were Saturday and Tuesday

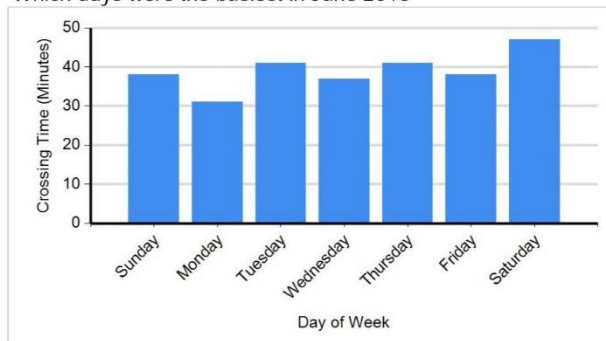
Calendar of average daily crossing times... (minutes)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
May 29	30	31	June...	2	3	4
			38	52	43	73
5	6	7	8	9	10	11
45	37	47	45	44	41	49
12	13	14	15	16	17	18
51	32	44	44	37	33	42
19	20	21	22	23	24	25
31	33	40	28	38	38	26
26	27	28	29	30	July...	2
26	25	35	30	37		
3	4	5	6	7	8	9

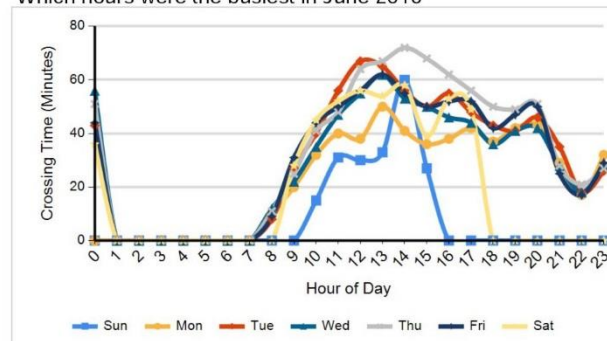
Crossing time distribution for June 2016



Which days were the busiest in June 2016

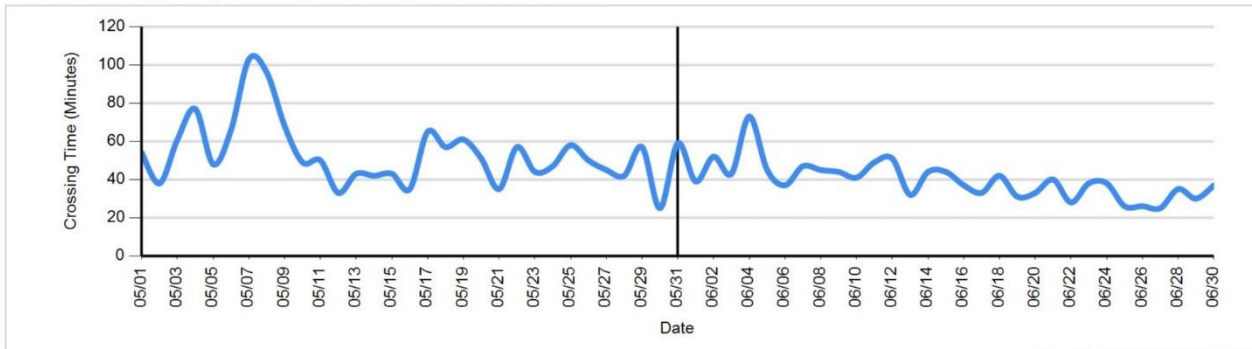


Which hours were the busiest in June 2016

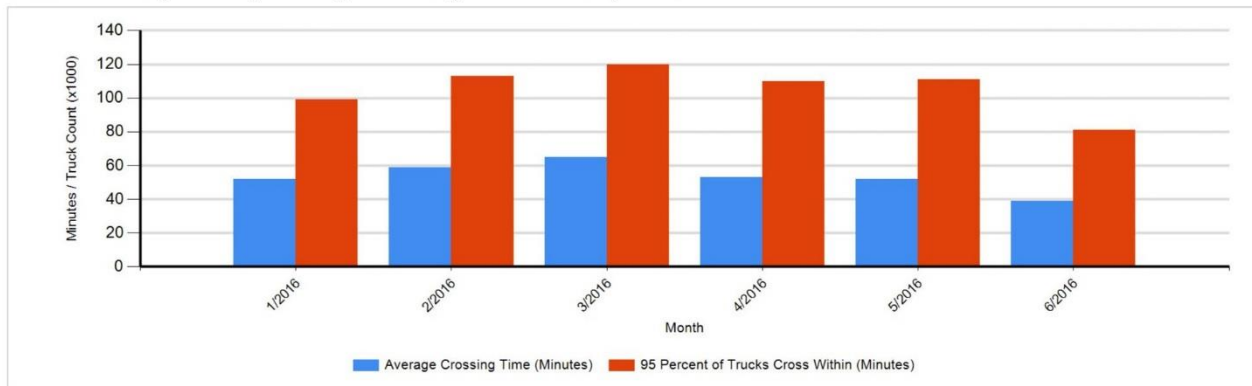


World Trade – June 2016 – Non-FAST

How did average daily crossing time compare to last month's...



How has average monthly crossing time changed since January 2016...



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