

HOUSTON-GALVESTON AREA COUNCIL



Temporary Pedestrian/Bicycle Counters Data Summary

Deployment Summary	
Sponsoring Agency	Houston-Galveston Area Council Texas Transportation Institute
Deployment Period	Saturday, July 23, 2016 – Tuesday, August 2, 2016
Number of Counters Deployed	19
Facility Description	Shared-Use Paths, Sidewalks, and Informal Pathways near Memorial Park/Uptown
Locations Deployed (Houston-Galveston Area Council and Texas Transportation Institute)	
Counter H1	Woodway Drive Westbound (West of I-610)
Counter H2	Woodway Drive Eastbound (West of I-610)
Counter H3	Woodway Drive Eastbound (East of I-610)
Counter H4	Woodway Drive Westbound (East of I-610)
Counter H5	I-610 Southbound Frontage Road (North of Buffalo Bayou)
Counter H6	Uptown Park Boulevard Westbound at I-610 Southbound
Counter H7	Uptown Park Boulevard Northbound (North of Post Oak Boulevard)
Counter T1	Memorial Drive Westbound (West of N. Post Oak Lane)
Counter T2	Memorial Drive Eastbound (West of N. Post Oak Lane)
Counter T3	Memorial Drive Westbound (East of I-610)
Counter T4	Memorial Drive Eastbound (East of I-610)
Counter T5	I-610 Southbound Frontage Road (North of Woodway Drive)
Counter T7	Post Oak Boulevard Eastbound (West of I-610)
Counter T8	Post Oak Boulevard Westbound (West of I-610)
Counter T9	Post Oak Boulevard Eastbound (East of I-610)
Counter T10	Post Oak Boulevard Westbound (East of I-610)
Counter T11	I-610 Southbound Frontage Road (North of San Felipe Street)
Counter T12	I-610 Northbound Frontage Road (North of San Felipe Street)
Counter T13	I-610 Northbound Frontage Road (North of Buffalo Bayou)

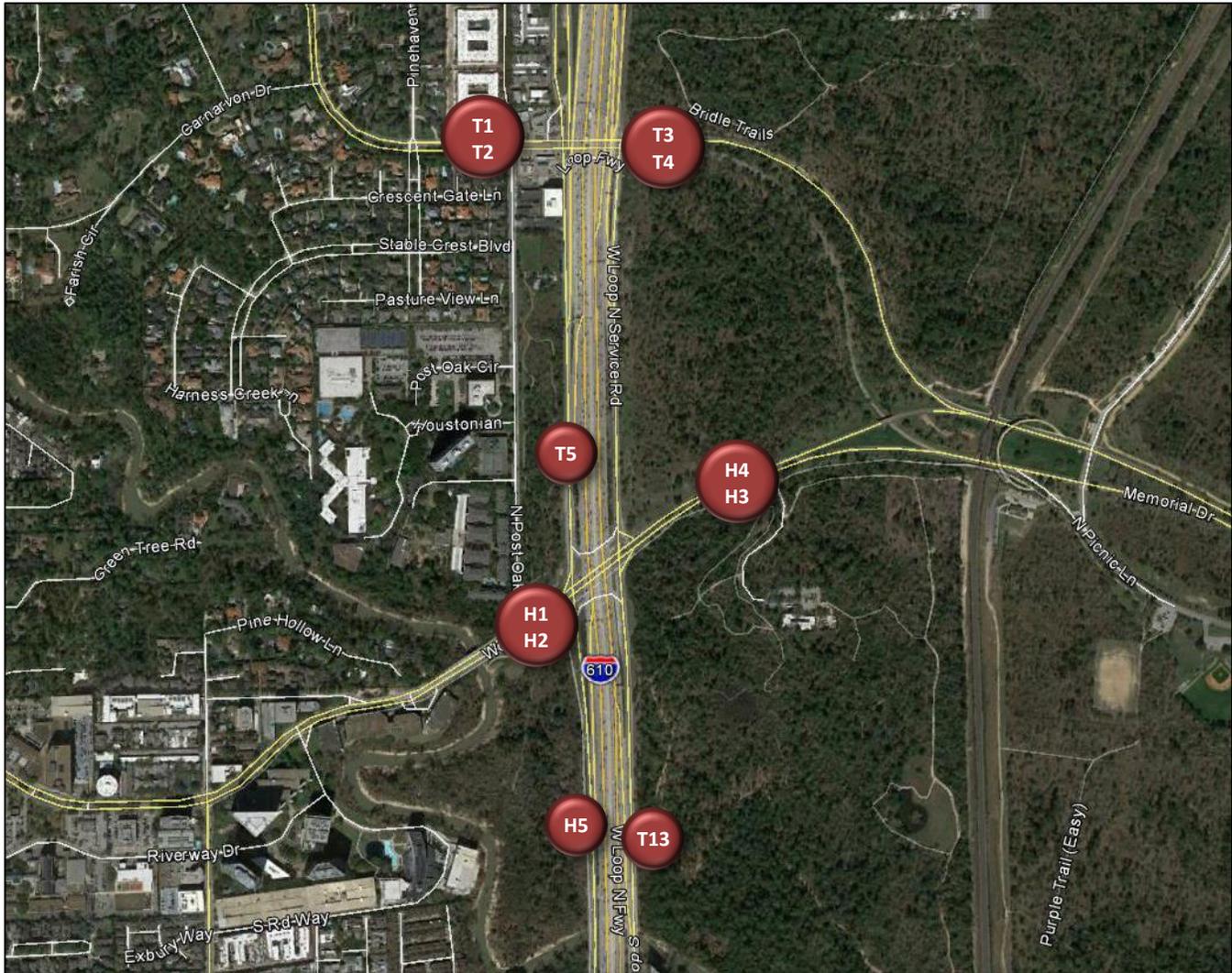
About the Temporary Pedestrian/Bicycle Counters

The Houston-Galveston Area Council (H-GAC) has temporary counters (TRAFx Infrared Trail Counters: Generation III) that can be borrowed by local governments and transportation agencies to count the number of people using off-street pedestrian and bicycle facilities. Infrared technology is used to count the number of people passing the counter. The counters do not differentiate between pedestrians and bicyclists, but count the total number of users.

The Texas Transportation Institute (TTI) owns additional temporary counters that it deploys along off-street pedestrian and bicycle facilities statewide.

Counter Locations

Shared-Use Paths, Sidewalks, and Informal Pathways near Memorial Park/Uptown: North of Buffalo Bayou



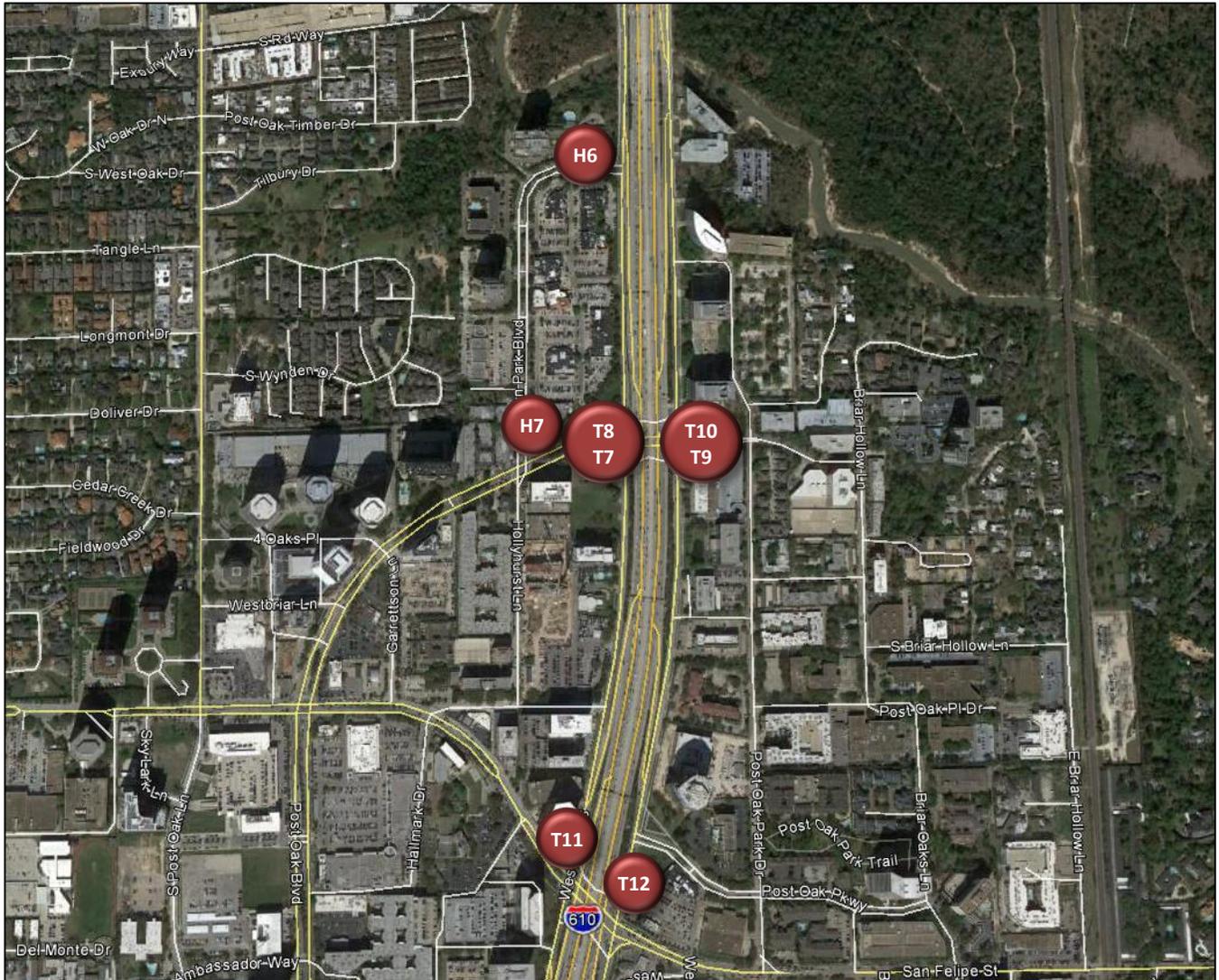
Counter	Location	Total Users	Average Daily Usage	Report Page Num.
H1	Woodway Drive Westbound (West of I-610)	N/A*	N/A*	6
H2	Woodway Drive Eastbound (West of I-610)	883	80	8
H3	Woodway Drive Eastbound (East of I-610)	1,866	170	12
H4	Woodway Drive Westbound (East of I-610)	27	2	16
H5	I-610 Southbound Frontage Road (North of Buffalo Bayou)	415	38	20
T1	Memorial Drive Westbound (West of N. Post Oak Lane)	N/A**	N/A**	32
T2	Memorial Drive Eastbound (West of N. Post Oak Lane)	284	26	34
T3	Memorial Drive Westbound (East of I-610)	431	39	38
T4	Memorial Drive Eastbound (East of I-610)	53	5	42
T5	I-610 Southbound Frontage Road (North of Woodway Drive)	59	5	46
T13	I-610 Northbound Frontage Road (North of Buffalo Bayou)	395	36	74

*Counter H1 did not collect accurate pedestrian/bicycle counts during the deployment period.

**Counter T1 malfunctioned and did not collect data during the deployment period.

Counter Locations

Shared-Use Paths, Sidewalks, and Informal Pathways near Memorial Park/Uptown: South of Buffalo Bayou



Counter	Location	Total Users	Average Daily Usage	Report Page Num.
H6	Uptown Park Boulevard Westbound at I-610 Southbound	390	35	24
H7	Uptown Park Boulevard Northbound (North of Post Oak Boulevard)	984	89	28
T7	Post Oak Boulevard Eastbound (West of I-610)	342	31	50
T8	Post Oak Boulevard Westbound (West of I-610)	506	46	54
T9	Post Oak Boulevard Eastbound (East of I-610)	366	33	58
T10	Post Oak Boulevard Westbound (East of I-610)	97	9	62
T11	I-610 Southbound Frontage Road (North of San Felipe Street)	912	83	66
T12	I-610 Northbound Frontage Road (North of San Felipe Street)	512	47	70

Pedestrian/Bicycle Activity at I-610 Intersections

Pedestrian/bicycle activity was measured along three local thoroughfares that intersect I-610 near Memorial Park: Memorial Drive, Woodway Drive, and Post Oak Boulevard. Two counters were placed east of I-610 along each roadway, and two counters were placed west of I-610.

Accommodations for pedestrians and cyclists were not consistent at each location. At some places, there were sidewalks, but at others there were wider shared-use paths or no infrastructure at all.

Memorial Drive

Location	Counter	Facility Type	Total Users	Avg. Daily Usage	Avg. Daily Usage (Weekdays)	Avg. Daily Usage (Weekends)
West of N. Post Oak Lane/ I-610	T2	Sidewalk (Adj. to Eastbound Lanes)	284	26	28	23
	T1	Sidewalk (Adj. to Westbound Lanes)	N/A (Counter T1 malfunctioned and did not collect data.)			
	Total Pedestrians/Cyclists in Area (Counter T2 + Counter T1)		N/A (Counter T1 malfunctioned and did not collect data.)			
East of I-610	T4	Informal Dirt Path (Adj. to Eastbound Lanes)	53	5	5	5
	T3	Shared-Use Path (Adj. to Westbound Lanes)	431	39	38	42
	Total Pedestrians/Cyclists in Area (Counter T4 + Counter T3)		484	44	43	46

Woodway Drive

Location	Counter	Facility Type	Total Users	Avg. Daily Usage	Avg. Daily Usage (Weekdays)	Avg. Daily Usage (Weekends)
West of I-610	H2	Shared-Use Path (Adj. to Eastbound Lanes)	883	80	90	64
	H1	Shared-Use Path (Adj. to Westbound Lanes)	N/A (Counter H1 did not collect accurate pedestrian/bicycle counts.)			
	Total Pedestrians/Cyclists in Area (Counter H2 + Counter H1)		N/A (Counter H1 did not collect accurate pedestrian/bicycle counts.)			
East of I-610	H3	Shared-Use Path (Adj. to Eastbound Lanes)	1,866	170	92	306
	H4	Informal Dirt Path (Adj. to Westbound Lanes)	27	2	3	1
	Total Pedestrians/Cyclists in Area (Counter H3 + Counter H4)		1,893	172	95	307

Post Oak Boulevard

Location	Counter	Facility Type	Total Users	Avg. Daily Usage	Avg. Daily Usage (Weekdays)	Avg. Daily Usage (Weekends)
West of I-610	T7	Sidewalk (Adj. to Eastbound Lanes)	342	31	37	20
	T8	Sidewalk (Adj. to Westbound Lanes)	506	46	55	31
	Total Pedestrians/Cyclists in Area (Counter T7 + Counter T8)		848	77	92	51
East of I-610	T9	Sidewalk (Adj. to Eastbound Lanes)	366	33	41	20
	T10	Informal Dirt Path (Adj. to Westbound Lanes)	97	9	9	1
	Total Pedestrians/Cyclists in Area (Counter T9 + Counter T10)		463	42	50	21

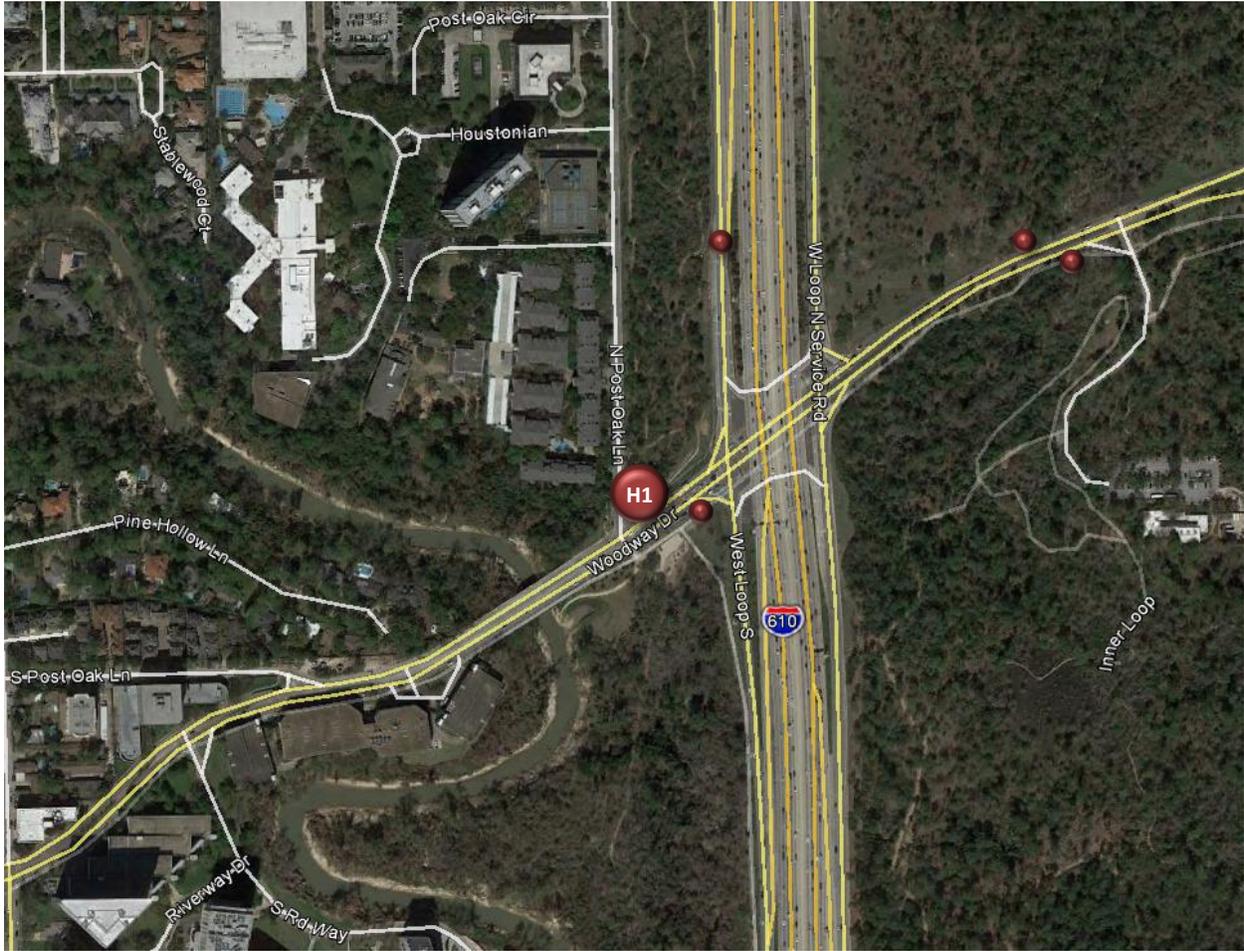
Counter H1

Woodway Drive Westbound (West of I-610)

Location Information		
Location Name	Woodway Drive Westbound (West of I-610)	
Location Description	Shared-Use Path along Woodway Drive Westbound West of I-610	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'55.01"N, 95°27'26.03"W	
Surrounding Land Uses	North	Wiess Park, Multi-Family Residential, Hotel
	South	Memorial Park
	East	I-610, Memorial Park
	West	Multi-Family Residential, Office, Single-Family Residential
What object was device secured to?	Utility Pole	
Sidewalk Width	8'	
Buffer Width	20' (varies)	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	35 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	32,295 (5050 Woodway Drive: City of Houston – 2009)	
Transit	Yes (METRO Bus Stop 20' West at Woodway Drive/N. Post Oak Lane)	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	
Notes	Counter H1 did not collect accurate pedestrian/bicycle counts. Utility work within the vicinity may have resulted in incorrect data.	
	Counter H1 stopped collecting data at approximately 8:00 p.m. on Friday, July 29, 2016 (reached maximum capacity).	

Trends
Counter H1 did not collect accurate pedestrian/bicycle counts. Utility work within the vicinity may have resulted in incorrect data.

Location Information: Map



Location Information: Photos



Image 1: Woodway Drive Westbound (West of I-610)
Facing East



Image 2: Woodway Drive Westbound (West of I-610)
Facing West

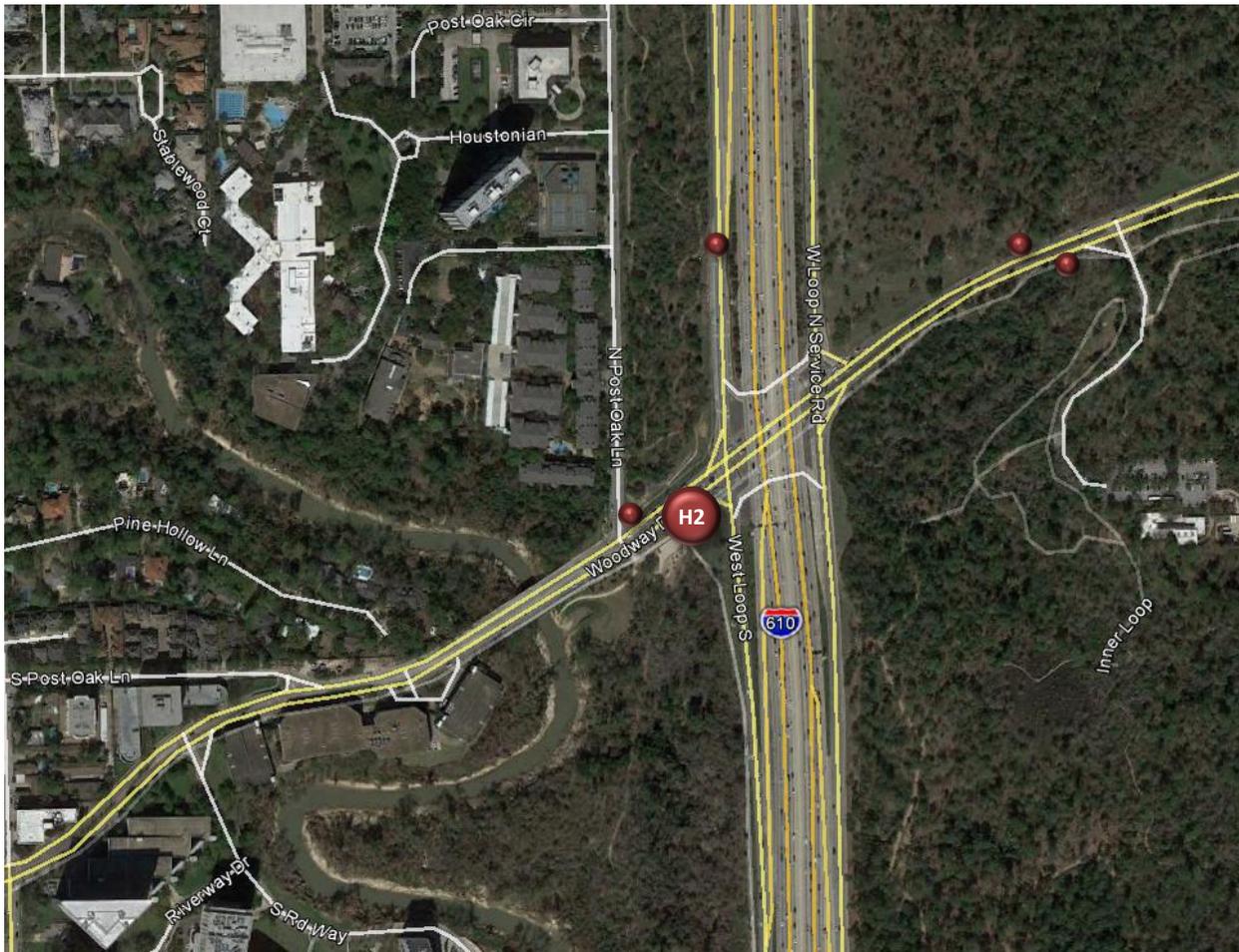
Counter H2

Woodway Drive Eastbound (West of I-610)

Location Information		
Location Name	Woodway Drive Eastbound (West of I-610)	
Location Description	Shared-Use Path along Woodway Drive Eastbound West of I-610	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'55.25"N, 95°27'24.14"W	
Surrounding Land Uses	North	Wiess Park, Multi-Family Residential, Hotel
	South	Memorial Park
	East	I-610, Memorial Park
	West	Multi-Family Residential, Office, Single-Family Residential
What object was device secured to?	Sign Post (Right Turn from Right Lane Only)	
Sidewalk Width	8'	
Buffer Width	15' (varies)	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	35 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	32,295 (5050 Woodway Drive: City of Houston – 2009)	
Transit	Yes (METRO Bus Stop 175' West at Woodway Drive/N. Post Oak Lane)	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	
Notes	There was unusually high pedestrian/bicycle activity on Tuesday, August 2, 2016 between 1:00 p.m. and 10:30 p.m. An additional deployment may be necessary at this location.	

Trends
<ul style="list-style-type: none"> • There was unusually high pedestrian/bicycle activity on Tuesday, August 2, 2016 between 1:00 p.m. and 10:30 p.m. An additional deployment may be necessary at this location. <ul style="list-style-type: none"> ○ If data collected on August 2, 2016 is included, usage tends to be higher on weekdays (90 users/day) than during weekends (64 users/day). ○ If data collected on August 2, 2016 is excluded, usage tends to be higher during weekends (64 users/day) than on weekdays (23 users/day). • On weekdays, usage is highest in the evening (7:00 p.m. – 8:00 p.m.). This may be skewed by unusually high pedestrian/bicycle activity on Tuesday, August 2, 2016. • During weekends, usage is highest in the morning (6:00 a.m. – 8:00 a.m.).

Location Information: Map



Location Information: Photos



Image 3: Woodway Drive Eastbound (West of I-610)
Facing East

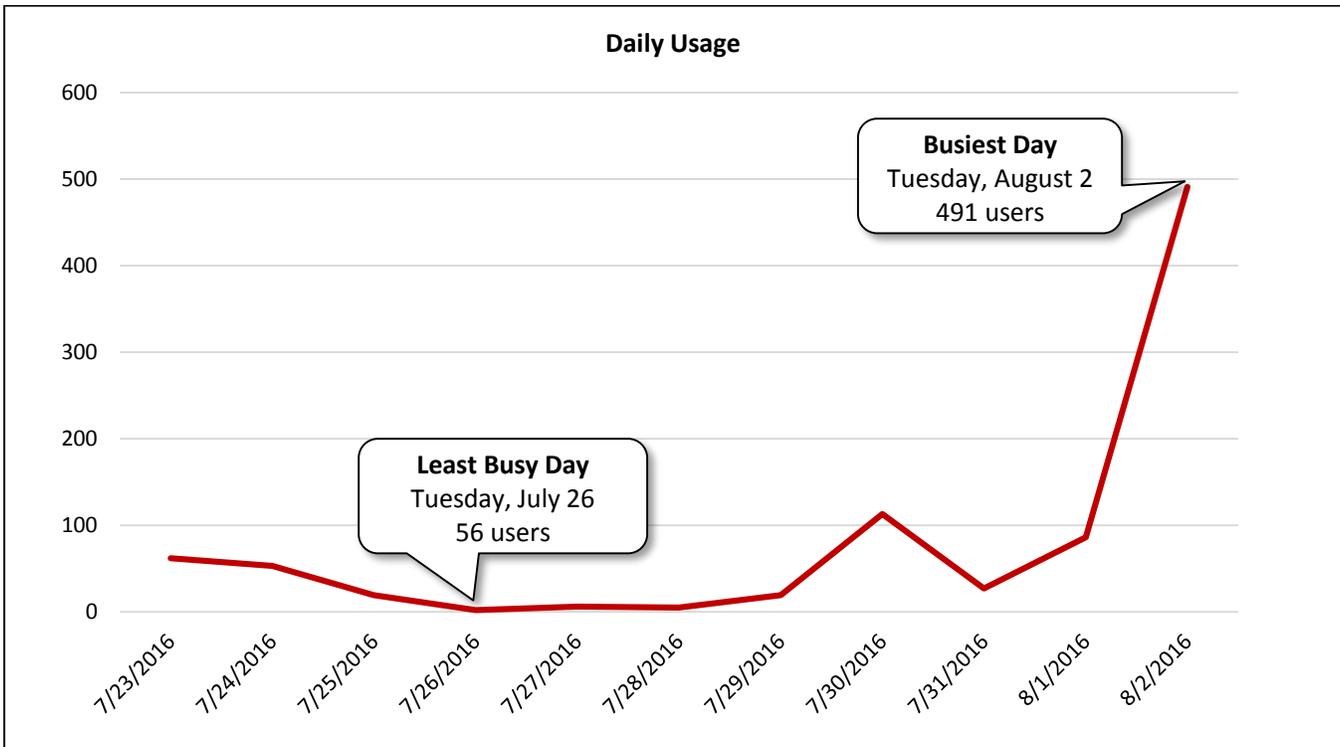


Image 4: Woodway Drive Eastbound (West of I-610)
Facing West

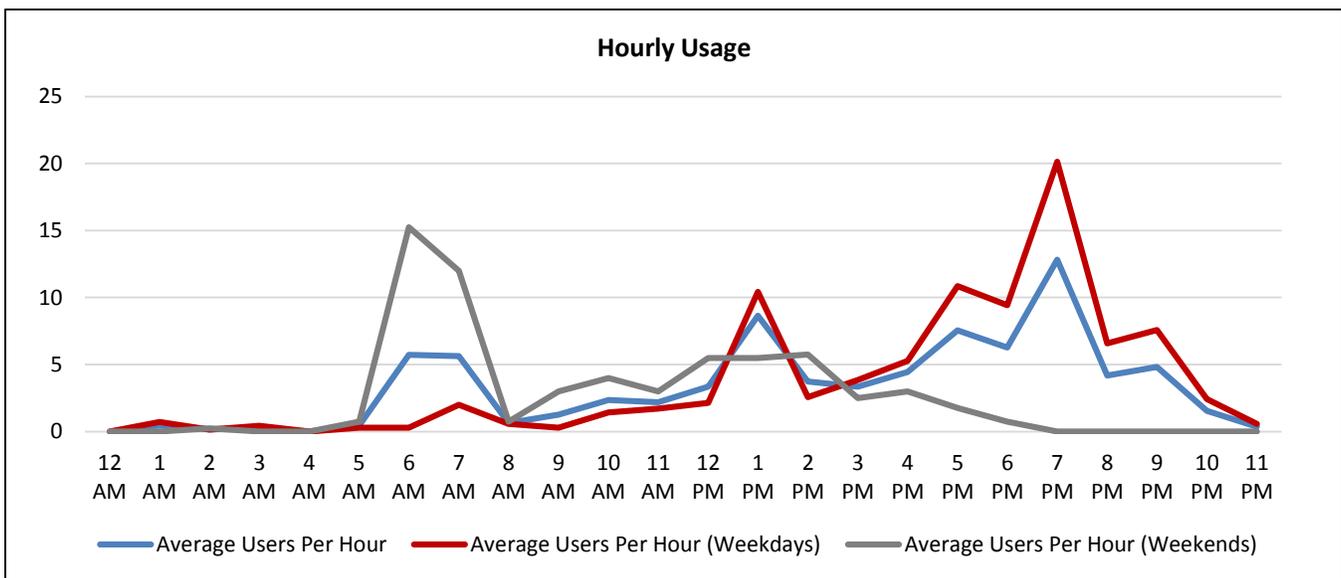
Daily Usage Woodway Drive Eastbound (West of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	62	100	77	0
Sunday, July 24, 2016	53	100	78	0
Monday, July 25, 2016	19	98	77	T
Tuesday, July 26, 2016	2	92	77	T
Wednesday, July 27, 2016	6	85	73	0.22
Thursday, July 28, 2016	5	91	76	0.12
Friday, July 29, 2016	19	96	75	T
Saturday, July 30, 2016	113	98	76	0
Sunday, July 31, 2016	27	96	77	T
Monday, August 1, 2016	86	98	74	0
Tuesday, August 2, 2016	491	99	77	0
Total	883			
Average Daily Usage	80			
Average Daily Usage (Weekday)	90			
Average Daily Usage (Weekend)	64			

Notes	
There was unusually high pedestrian/bicycle activity on Tuesday, August 2, 2016 between 1:00 p.m. and 10:30 p.m.	

*Weather conditions recorded at KHOU.



Hourly Usage Woodway Drive Eastbound (West of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.5	0.7	0.0
2:00 a.m.	0.2	0.1	0.3
3:00 a.m.	0.3	0.4	0.0
4:00 a.m.	0.0	0.0	0.0
5:00 a.m.	0.5	0.3	0.8
6:00 a.m.	5.7	0.3	15.3
7:00 a.m.	5.6	2.0	12.0
8:00 a.m.	0.6	0.6	0.8
9:00 a.m.	1.3	0.3	3.0
10:00 a.m.	2.4	1.4	4.0
11:00 a.m.	2.2	1.7	3.0
12:00 p.m.	3.4	2.1	5.5
1:00 p.m.	8.6	10.4	5.5
2:00 p.m.	3.7	2.6	5.8
3:00 p.m.	3.4	3.9	2.5
4:00 p.m.	4.5	5.3	3.0
5:00 p.m.	7.5	10.9	1.8
6:00 p.m.	6.3	9.4	0.8
7:00 p.m.	12.8	20.1	0.0
8:00 p.m.	4.2	6.6	0.0
9:00 p.m.	4.8	7.6	0.0
10:00 p.m.	1.5	2.4	0.0
11:00 p.m.	0.4	0.6	0.0



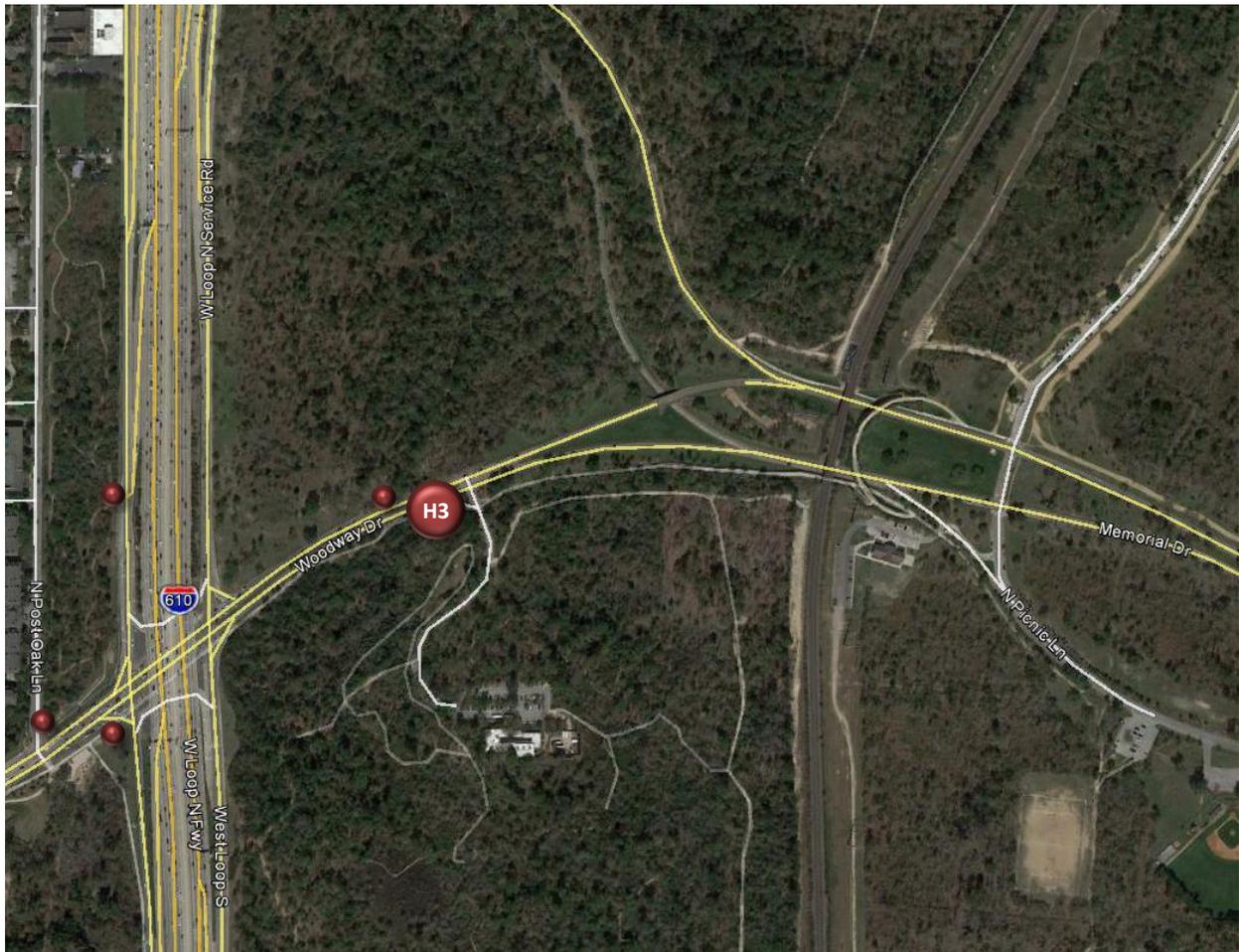
Counter H3

Woodway Drive Eastbound (East of I-610)

Location Information		
Location Name	Woodway Drive Eastbound (East of I-610)	
Location Description	Shared-Use Path along Woodway Drive Eastbound East of I-610	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°46'3.01"N, 95°27'11.12"W	
Surrounding Land Uses	North	Memorial Park
	South	Memorial Park
	East	Memorial Park
	West	Memorial Park, I-610
What object was device secured to?	Sign Post (Bike Route)	
Sidewalk Width	13'	
Buffer Width	5' (Varies)	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	40 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	34,849 (4600 Woodway Drive: City of Houston – 2007)	
Transit	Yes (METRO Bus Stop 20' East at Woodway Drive/Houston Arboretum and Nature Center)	
Shade	Yes	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Usage tends to be much higher during weekends (306 users/day) than on weekdays (92 users/day). • On weekdays, usage is highest in the morning (5:00 a.m. – 8:00 a.m.) and evening (6:00 p.m. – 7:00 p.m.). • During weekends, usage is highest in the morning (6:00 a.m. – 8:00 a.m.). Usage is particularly high on Saturday mornings.

Location Information: Map



Location Information: Photos



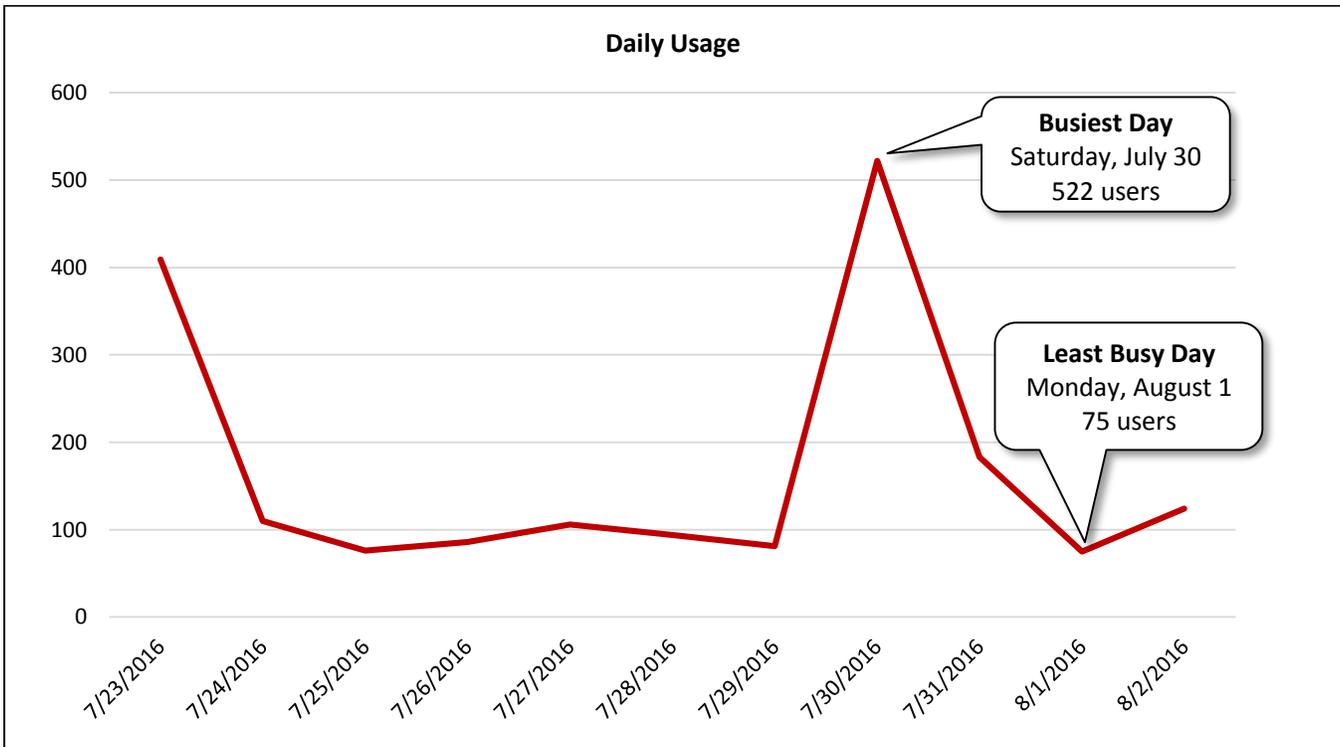
Image 5: Woodway Drive Eastbound (East of I-610)
Facing East



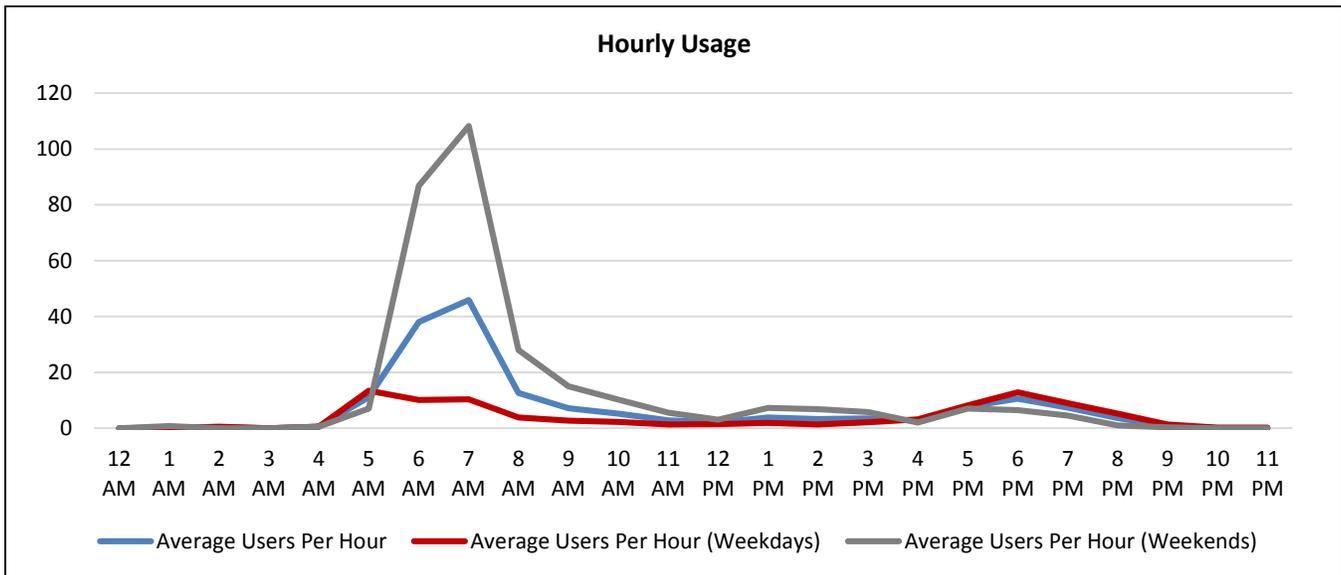
Image 6: Woodway Drive Eastbound (East of I-610)
Facing West

Daily Usage Woodway Drive Eastbound (East of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	409	100	77	0
Sunday, July 24, 2016	110	100	78	0
Monday, July 25, 2016	76	98	77	T
Tuesday, July 26, 2016	86	92	77	T
Wednesday, July 27, 2016	106	85	73	0.22
Thursday, July 28, 2016	94	91	76	0.12
Friday, July 29, 2016	81	96	75	T
Saturday, July 30, 2016	522	98	76	0
Sunday, July 31, 2016	183	96	77	T
Monday, August 1, 2016	75	98	74	0
Tuesday, August 2, 2016	124	99	77	0
Total	1,866			
Average Daily Usage	170			
Average Daily Usage (Weekday)	92			
Average Daily Usage (Weekend)	306			

*Weather conditions recorded at KHOU.



Hourly Usage Woodway Drive Eastbound (East of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.3	0.0	0.8
2:00 a.m.	0.4	0.6	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.5	0.6	0.5
5:00 a.m.	11.1	13.4	7.0
6:00 a.m.	38.0	10.1	86.8
7:00 a.m.	45.9	10.3	108.3
8:00 a.m.	12.6	3.9	28.0
9:00 a.m.	7.2	2.7	15.0
10:00 a.m.	5.2	2.3	10.3
11:00 a.m.	2.8	1.3	5.5
12:00 p.m.	2.0	1.4	3.0
1:00 p.m.	3.8	1.9	7.3
2:00 p.m.	3.3	1.3	6.8
3:00 p.m.	3.5	2.1	5.8
4:00 p.m.	2.7	3.1	2.0
5:00 p.m.	7.7	8.1	7.0
6:00 p.m.	10.5	12.9	6.5
7:00 p.m.	7.4	9.0	4.5
8:00 p.m.	3.6	5.1	1.0
9:00 p.m.	0.9	1.3	0.3
10:00 p.m.	0.1	0.1	0.0
11:00 p.m.	0.1	0.1	0.0



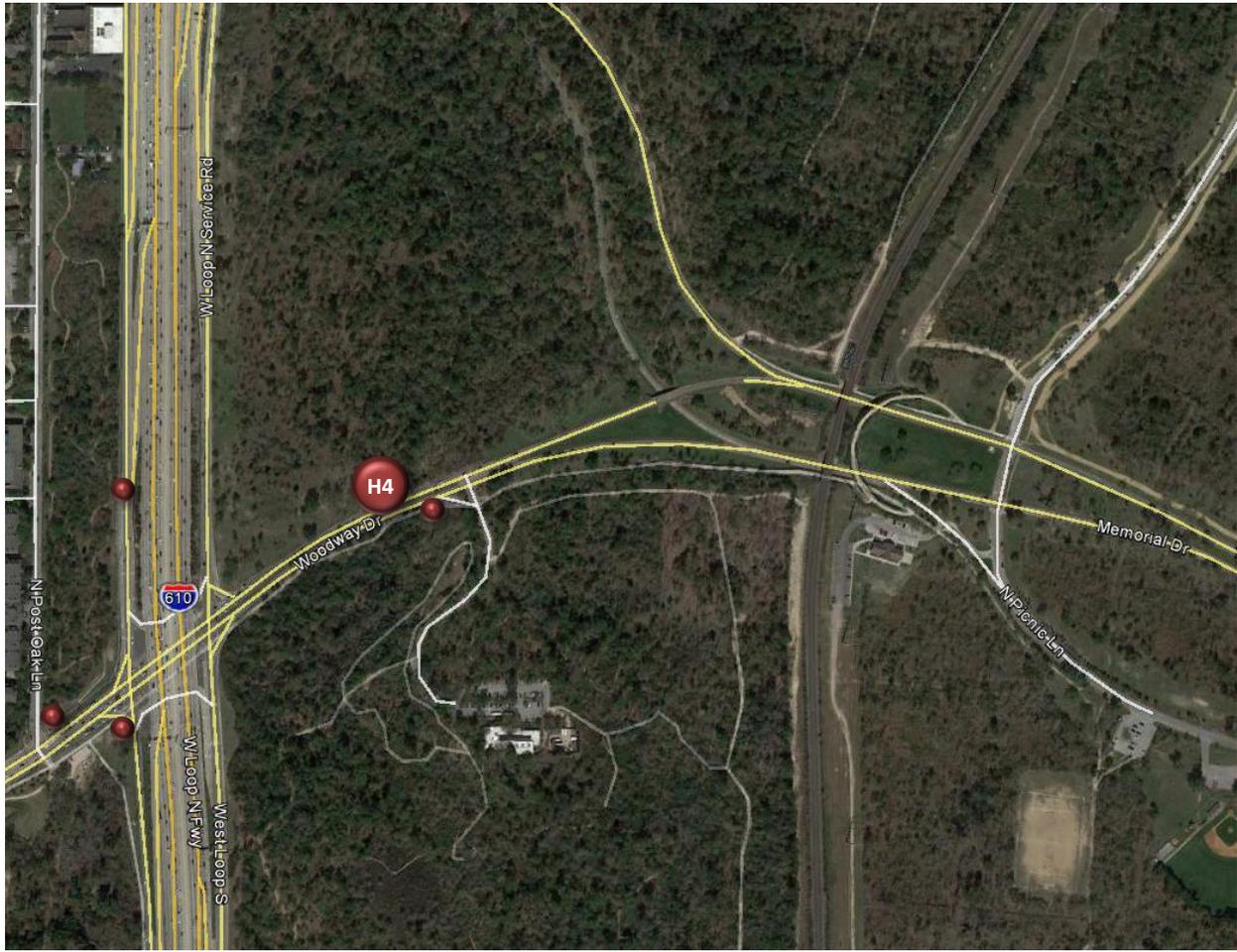
Counter H4

Woodway Drive Westbound (East of I-610)

Location Information		
Location Name	Woodway Drive Westbound (East of I-610)	
Location Description	Informal Dirt Path along Woodway Drive Westbound East of I-610 (Note: No pedestrian facilities present at this location)	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°46'3.29"N, 95°27'12.46"W	
Surrounding Land Uses	North	Memorial Park
	South	Memorial Park
	East	Memorial Park
	West	Memorial Park, I-610
What object was device secured to?	Light Post (#215725)	
Sidewalk Width	N/A (No Pedestrian Facilities Present)	
Buffer Width	N/A (No Pedestrian Facilities Present)	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Dirt Path (No Pedestrian Facilities Present)	
ADA Ramps	N/A (No Pedestrian Facilities Present)	
Sidewalk Condition	N/A (No Pedestrian Facilities Present)	
Speed Limit	40 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	34,849 (4600 Woodway Drive: City of Houston – 2007)	
Transit	Yes (METRO Bus Stop 300' East at Woodway Drive/Entrance to Houston Arboretum and Nature Center)	
Shade	Intermittent	
Have counts been collected by H-GAC at this location before?	No	
Notes	There are no pedestrian facilities present at Counter H4, only an informal dirt path. A shared-use path is located on the opposite side of Woodway Drive (see Counter H3).	

Trends
<ul style="list-style-type: none"> There are no pedestrian facilities present at Counter H4, and pedestrian activity is very low.

Location Information: Map



Location Information: Photos



Image 7: Woodway Drive Westbound (East of I-610)
Facing East

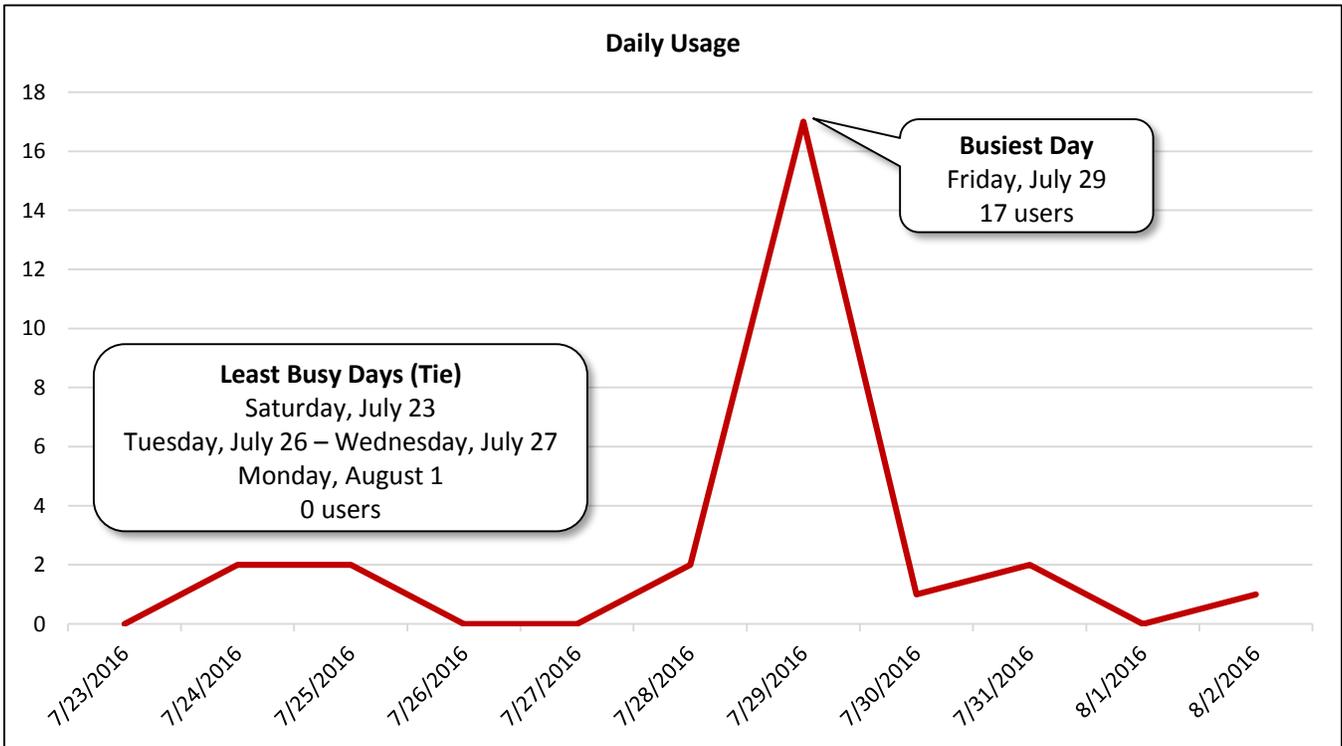


Image 8: Woodway Drive Westbound (East of I-610)
Facing West

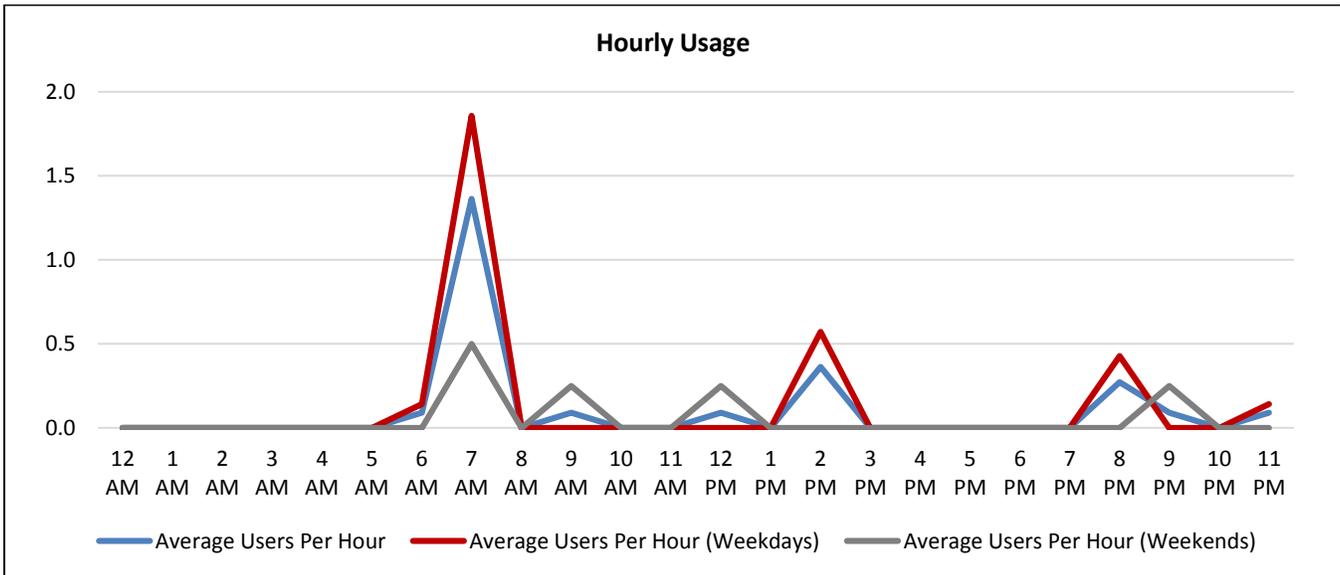
Daily Usage Woodway Drive Westbound (East of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	0	100	77	0
Sunday, July 24, 2016	2	100	78	0
Monday, July 25, 2016	2	98	77	T
Tuesday, July 26, 2016	0	92	77	T
Wednesday, July 27, 2016	0	85	73	0.22
Thursday, July 28, 2016	2	91	76	0.12
Friday, July 29, 2016	17	96	75	T
Saturday, July 30, 2016	1	98	76	0
Sunday, July 31, 2016	2	96	77	T
Monday, August 1, 2016	0	98	74	0
Tuesday, August 2, 2016	1	99	77	0
Total	27			
Average Daily Usage	2			
Average Daily Usage (Weekday)	3			
Average Daily Usage (Weekend)	1			

Notes	
There are no pedestrian facilities present at Counter H4, only an informal dirt path. A shared-use path is located on the opposite side of Woodway Drive (see Counter H3).	

*Weather conditions recorded at KHOU.



Hourly Usage			
Woodway Drive Westbound (East of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.0	0.0	0.0
5:00 a.m.	0.0	0.0	0.0
6:00 a.m.	0.1	0.1	0.0
7:00 a.m.	1.4	1.9	0.5
8:00 a.m.	0.0	0.0	0.0
9:00 a.m.	0.1	0.0	0.3
10:00 a.m.	0.0	0.0	0.0
11:00 a.m.	0.0	0.0	0.0
12:00 p.m.	0.1	0.0	0.3
1:00 p.m.	0.0	0.0	0.0
2:00 p.m.	0.4	0.6	0.0
3:00 p.m.	0.0	0.0	0.0
4:00 p.m.	0.0	0.0	0.0
5:00 p.m.	0.0	0.0	0.0
6:00 p.m.	0.0	0.0	0.0
7:00 p.m.	0.0	0.0	0.0
8:00 p.m.	0.3	0.4	0.0
9:00 p.m.	0.1	0.0	0.3
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.1	0.1	0.0



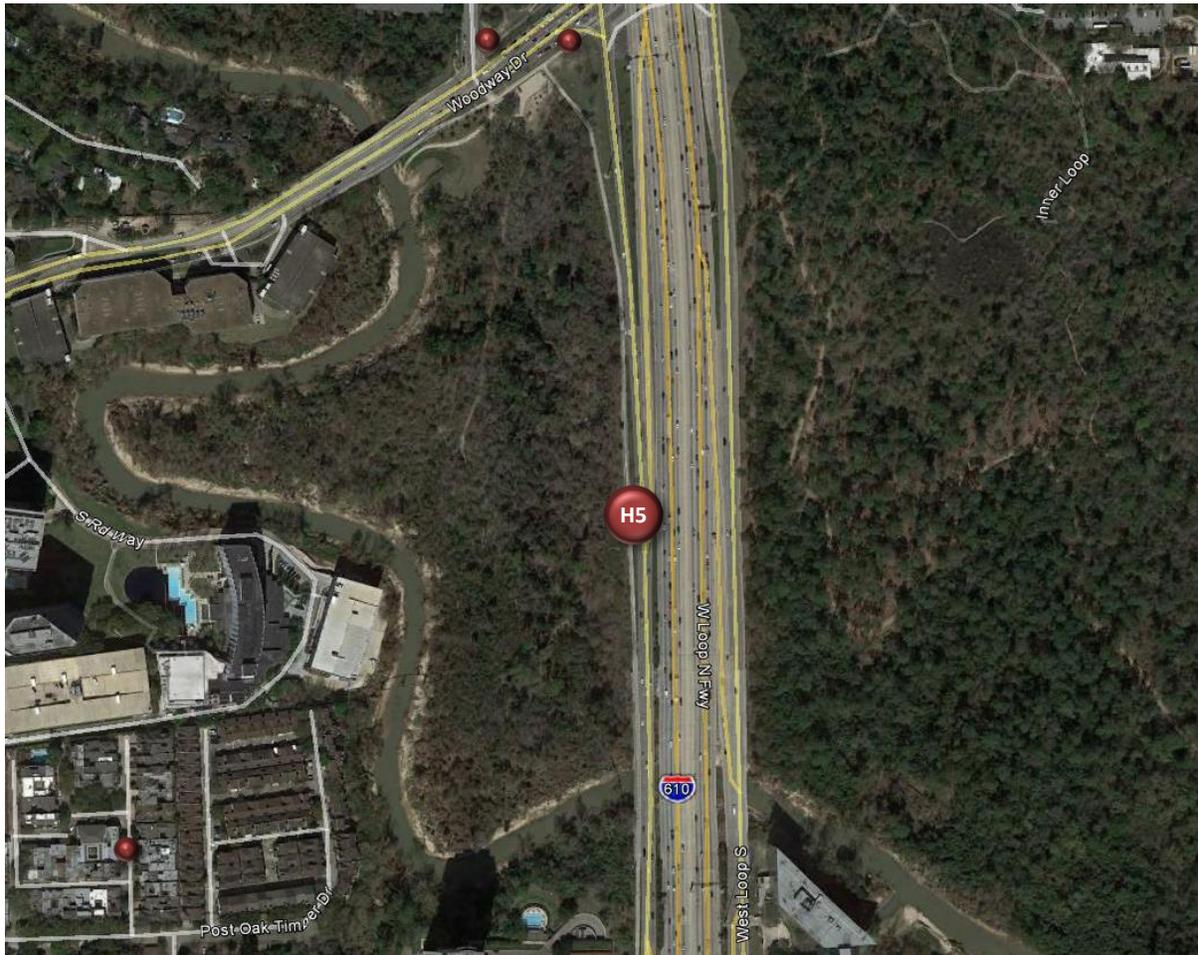
Counter H5

I-610 Southbound Frontage Road (North of Buffalo Bayou)

Location Information		
Location Name	I-610 Southbound Frontage Road (North of Buffalo Bayou)	
Location Description	Shared-Use Path along I-610 Southbound Frontage Road North of Buffalo Bayou	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'42.76"N, 95°27'22.01"W	
Surrounding Land Uses	North	Memorial Park
	South	Memorial Park, Multi-Family Residential, Commercial/Retail
	East	I-610, Memorial Park
	West	Memorial Park
What object was device secured to?	Sign Post (Bike Route)	
Sidewalk Width	11'	
Buffer Width	15' (varies)	
Street Width	Two-/Three-Lane One-Way Frontage Road	
Parallel Parking	No	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	45 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	Not Available	
Transit	No	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Usage tends to be much higher during weekends (59 users/day) than on weekdays (26 users/day). • On weekdays, usage is highest in the morning (7:00 a.m. – 8:00 a.m.). • During weekends, usage is highest in the morning (6:00 a.m. – 8:00 a.m. and 10:00 a.m. – 11:00 a.m.).

Location Information: Map



Location Information: Photos



Image 9: I-610 Southbound Frontage Road North of Buffalo Bayou Facing North

Source: Google Maps

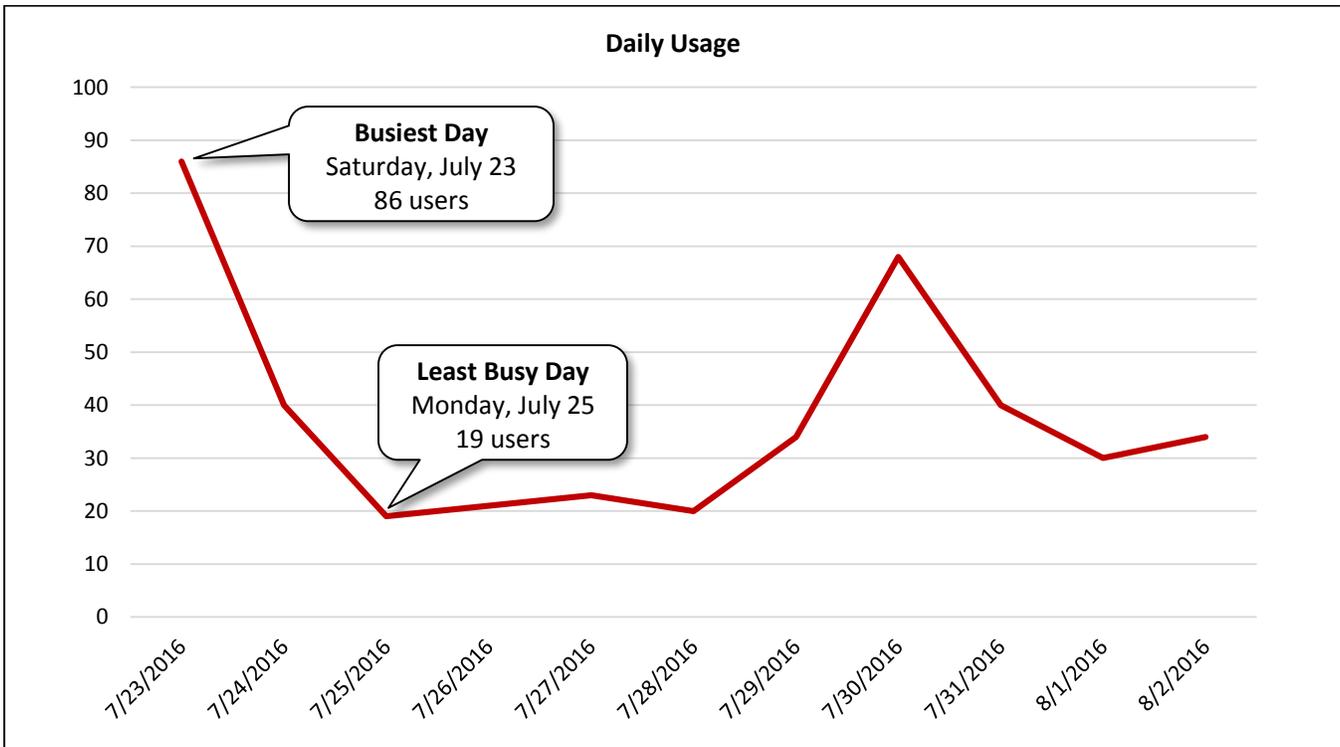


Image 10: I-610 Southbound Frontage Road North of Buffalo Bayou Facing South

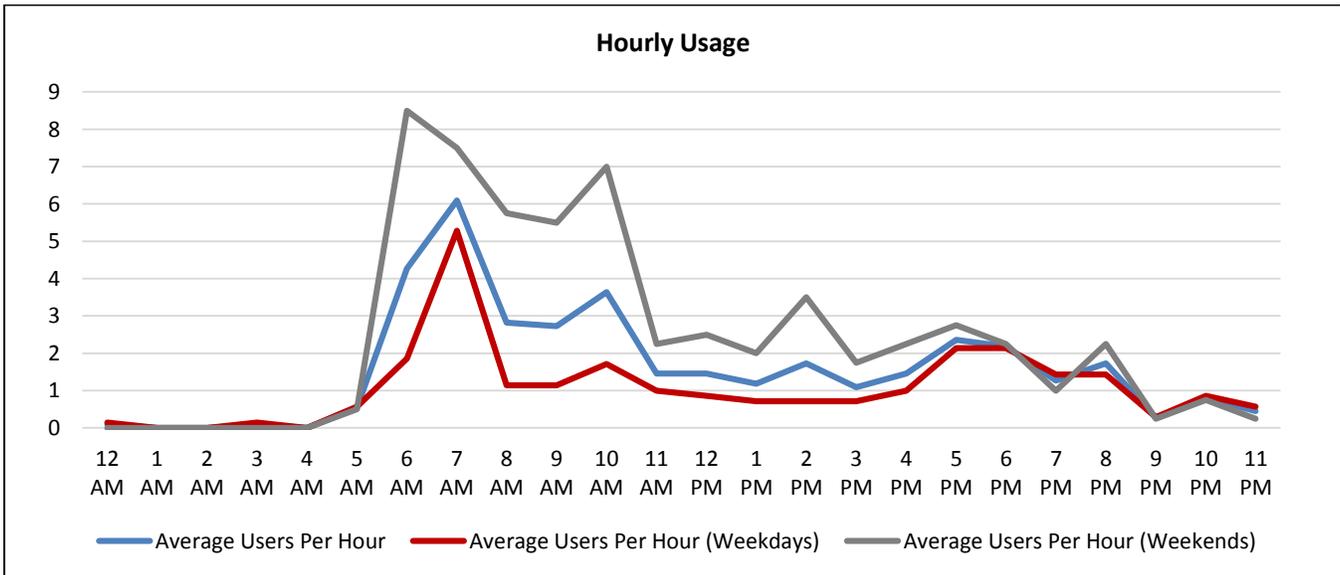
Source: Google Maps

Daily Usage				
I-610 Southbound Frontage Road (North of Buffalo Bayou)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	86	100	77	0
Sunday, July 24, 2016	40	100	78	0
Monday, July 25, 2016	19	98	77	T
Tuesday, July 26, 2016	21	92	77	T
Wednesday, July 27, 2016	23	85	73	0.22
Thursday, July 28, 2016	20	91	76	0.12
Friday, July 29, 2016	34	96	75	T
Saturday, July 30, 2016	68	98	76	0
Sunday, July 31, 2016	40	96	77	T
Monday, August 1, 2016	30	98	74	0
Tuesday, August 2, 2016	34	99	77	0
Total	415			
Average Daily Usage	38			
Average Daily Usage (Weekday)	26			
Average Daily Usage (Weekend)	59			

*Weather conditions recorded at KHOU.



Hourly Usage I-610 Southbound Frontage Road (North of Buffalo Bayou)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.1	0.1	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.1	0.1	0.0
4:00 a.m.	0.0	0.0	0.0
5:00 a.m.	0.5	0.6	0.5
6:00 a.m.	4.3	1.9	8.5
7:00 a.m.	6.1	5.3	7.5
8:00 a.m.	2.8	1.1	5.8
9:00 a.m.	2.7	1.1	5.5
10:00 a.m.	3.6	1.7	7.0
11:00 a.m.	1.5	1.0	2.3
12:00 p.m.	1.5	0.9	2.5
1:00 p.m.	1.2	0.7	2.0
2:00 p.m.	1.7	0.7	3.5
3:00 p.m.	1.1	0.7	1.8
4:00 p.m.	1.5	1.0	2.3
5:00 p.m.	2.4	2.1	2.8
6:00 p.m.	2.2	2.1	2.3
7:00 p.m.	1.3	1.4	1.0
8:00 p.m.	1.7	1.4	2.3
9:00 p.m.	0.3	0.3	0.3
10:00 p.m.	0.8	0.9	0.8
11:00 p.m.	0.5	0.6	0.3



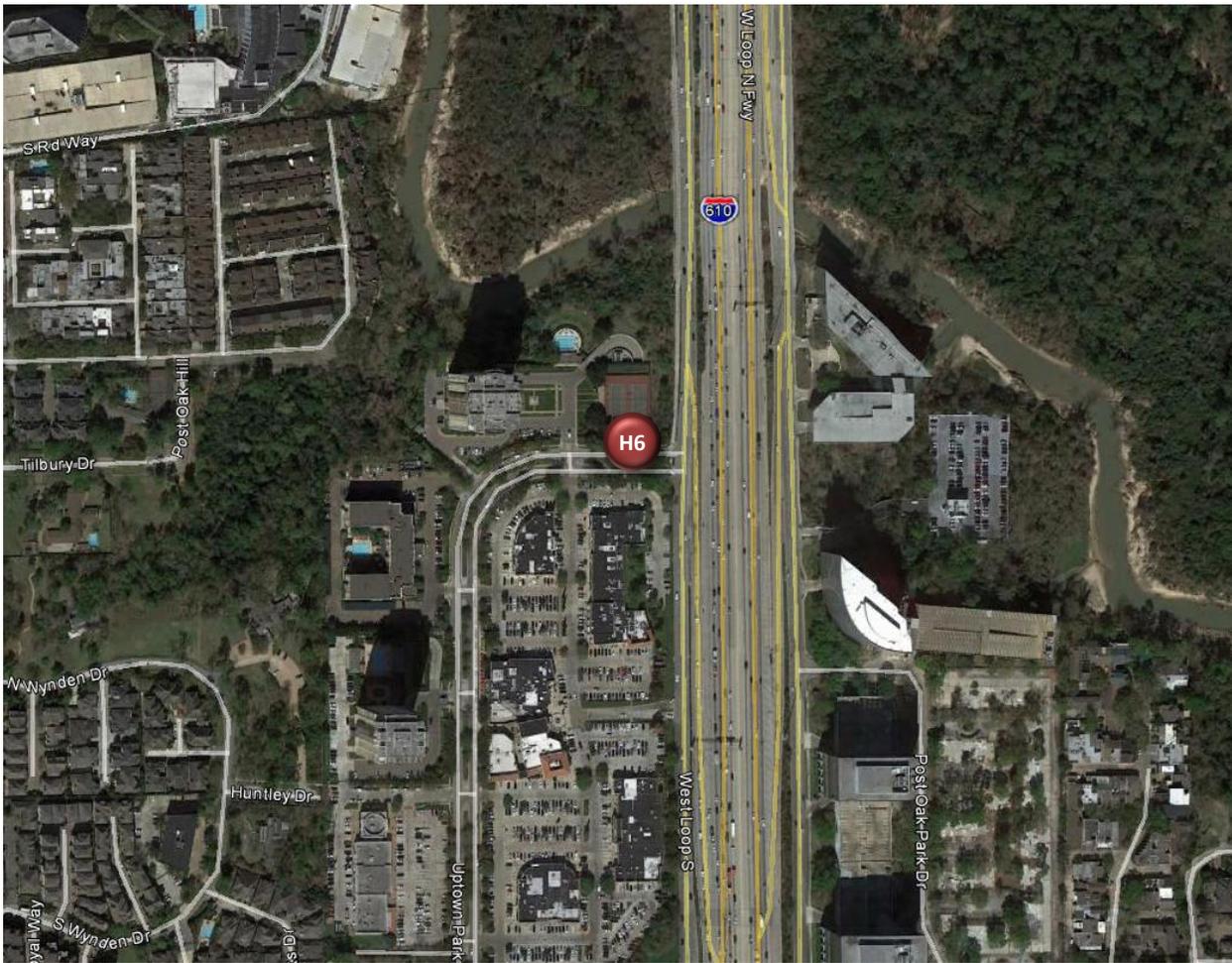
Counter H6

Uptown Park Boulevard Westbound at I-610 Southbound

Location Information		
Location Name	Uptown Park Boulevard Westbound at I-610 Southbound	
Location Description	Sidewalk along Uptown Park Boulevard Westbound West of I-610 Southbound Frontage Road	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'30.01"N, 95°27'23.46"W	
Surrounding Land Uses	North	Multi-Family Residential, Memorial Park
	South	Commercial/Retail, Multi-Family Residential
	East	I-610, Office, Memorial Park
	West	Multi-Family Residential, Commercial/Retail
What object was device secured to?	Sign Post (Speed Limit)	
Sidewalk Width	4'	
Buffer Width	4.5'	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	30 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	Not Available	
Transit	No	
Shade	Yes	
Have counts been collected by H-GAC at this location before?	No	
Notes	Uptown Park Boulevard runs east/west near its intersection with I-610 Southbound. About 400' west of Counter H6, the roadway turns sharply and runs north/south parallel to I-610.	

Trends
<ul style="list-style-type: none"> • Usage tends to be higher during weekends (48 users/day) than on weekdays (28 users/day). • On weekdays, usage is highest in the morning (7:00 a.m. – 8:00 a.m.). • During weekends, usage is highest in the morning (6:00 a.m. – 9:00 a.m.).

Location Information: Map



Location Information: Photos



Image 11: Uptown Park Boulevard Westbound at I-610 Southbound Facing East

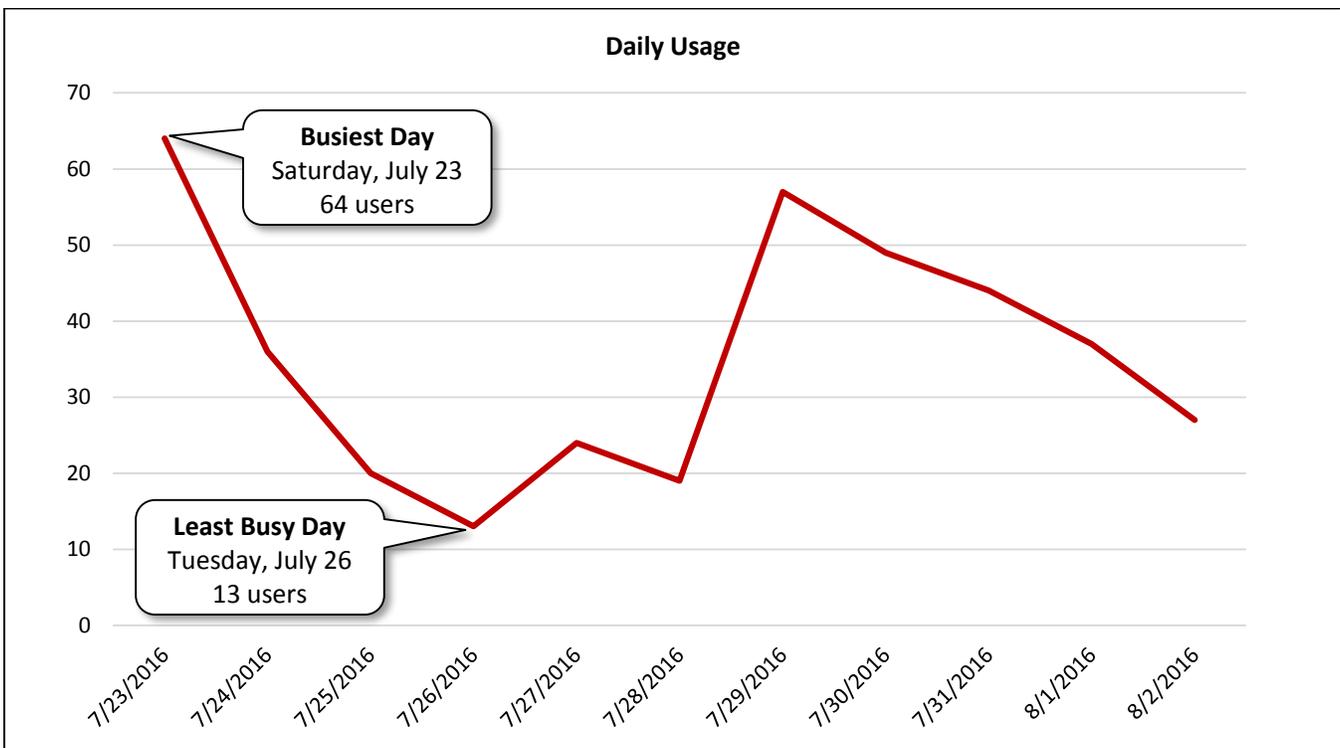


Image 12: Uptown Park Boulevard Westbound at I-610 Southbound Facing West

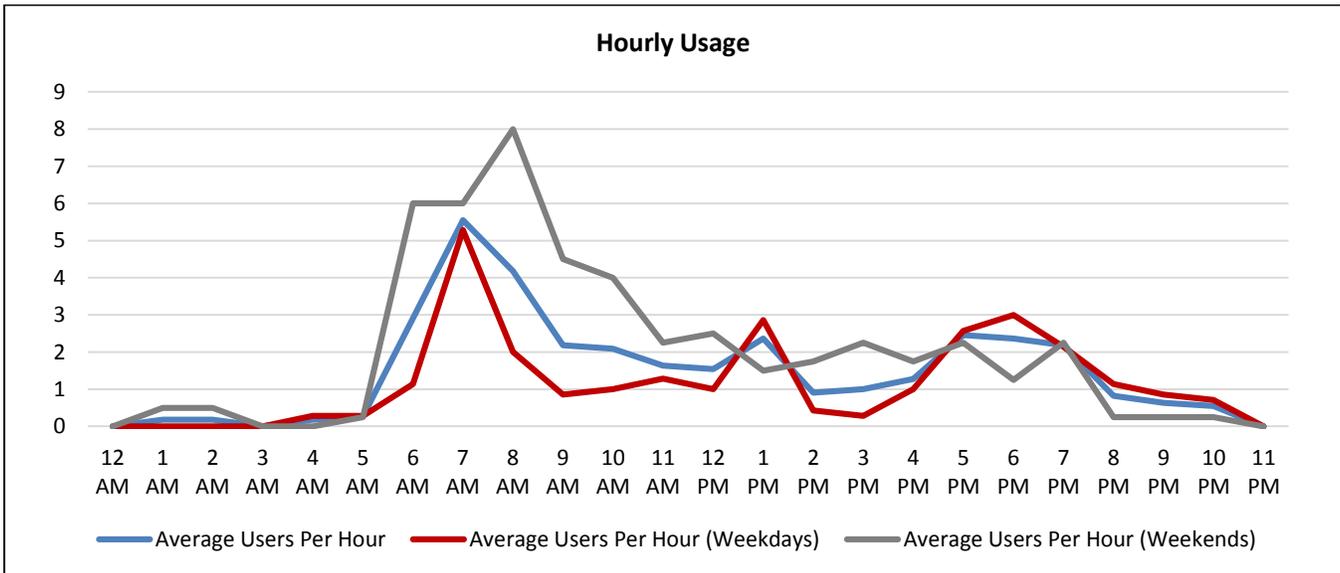
Daily Usage				
Uptown Park Boulevard Westbound at I-610 Southbound				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	64	100	77	0
Sunday, July 24, 2016	36	100	78	0
Monday, July 25, 2016	20	98	77	T
Tuesday, July 26, 2016	13	92	77	T
Wednesday, July 27, 2016	24	85	73	0.22
Thursday, July 28, 2016	19	91	76	0.12
Friday, July 29, 2016	57	96	75	T
Saturday, July 30, 2016	49	98	76	0
Sunday, July 31, 2016	44	96	77	T
Monday, August 1, 2016	37	98	74	0
Tuesday, August 2, 2016	27	99	77	0

Total	390
Average Daily Usage	35
Average Daily Usage (Weekday)	28
Average Daily Usage (Weekend)	48

*Weather conditions recorded at KHOU.



Hourly Usage Uptown Park Boulevard Westbound at I-610 Southbound			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.2	0.0	0.5
2:00 a.m.	0.2	0.0	0.5
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.2	0.3	0.0
5:00 a.m.	0.3	0.3	0.3
6:00 a.m.	2.9	1.1	6.0
7:00 a.m.	5.5	5.3	6.0
8:00 a.m.	4.2	2.0	8.0
9:00 a.m.	2.2	0.9	4.5
10:00 a.m.	2.1	1.0	4.0
11:00 a.m.	1.6	1.3	2.3
12:00 p.m.	1.5	1.0	2.5
1:00 p.m.	2.4	2.9	1.5
2:00 p.m.	0.9	0.4	1.8
3:00 p.m.	1.0	0.3	2.3
4:00 p.m.	1.3	1.0	1.8
5:00 p.m.	2.5	2.6	2.3
6:00 p.m.	2.4	3.0	1.3
7:00 p.m.	2.2	2.1	2.3
8:00 p.m.	0.8	1.1	0.3
9:00 p.m.	0.6	0.9	0.3
10:00 p.m.	0.5	0.7	0.3
11:00 p.m.	0.0	0.0	0.0



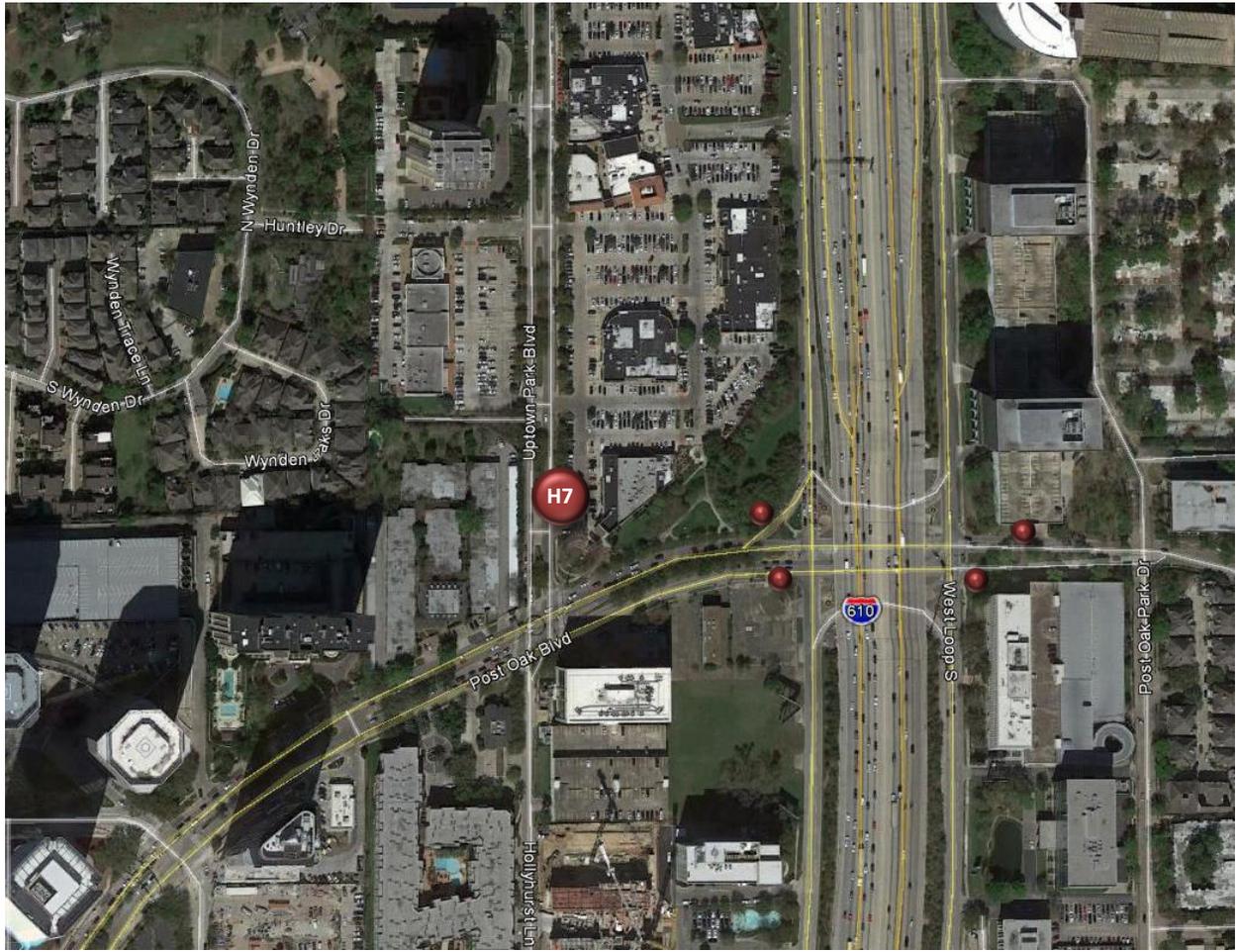
Counter H7

Uptown Park Boulevard Northbound (North of Post Oak Boulevard)

Location Information		
Location Name	Uptown Park Boulevard Northbound (North of Post Oak Boulevard)	
Location Description	Sidewalk along Uptown Park Boulevard Northbound North of Post Oak Boulevard	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'15.85"N, 95°27'27.46"W	
Surrounding Land Uses	North	Commercial/Retail, Multi-Family Residential
	South	Commercial/Retail, Multi-Family Residential, Office
	East	Commercial/Retail, I-610
	West	Multi-Family Residential, Commercial/Retail, Office
What object was device secured to?	Sign Post (Speed Limit)	
Sidewalk Width	6'	
Buffer Width	1.5'	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	30 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	Not Available	
Transit	Yes (METRO Bus Stop 200' South at Uptown Park Boulevard/Post Oak Boulevard)	
Shade	Intermittent	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Usage tends to be much higher on weekdays (102 users/day) than during weekends (67 users/day). • On weekdays, usage is highest midday (12:00 p.m. – 1:00 p.m.) and in the evening (4:00 p.m. – 5:00 p.m.). • During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.).

Location Information: Map



Location Information: Photos



Image 13: Uptown Park Boulevard Northbound (North of Post Oak Boulevard) Facing North

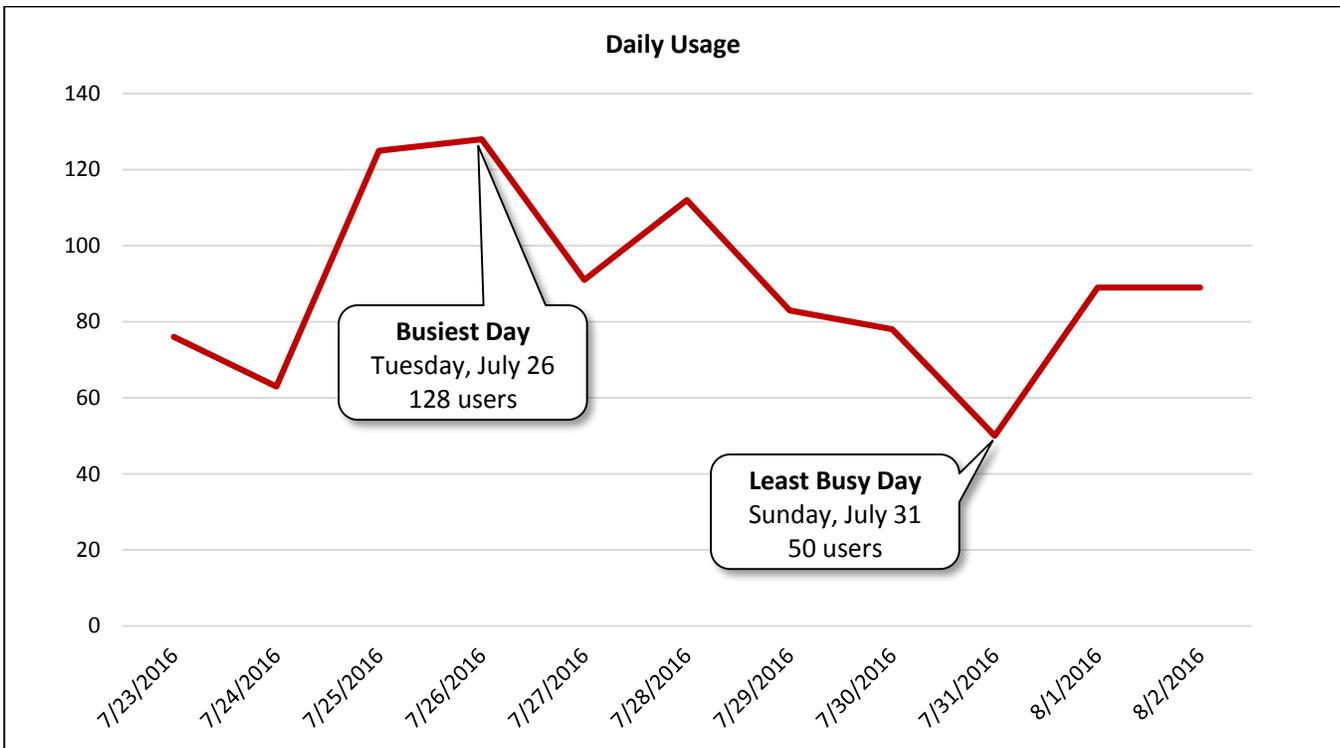


Image 14: Uptown Park Boulevard Northbound (North of Post Oak Boulevard) Facing South

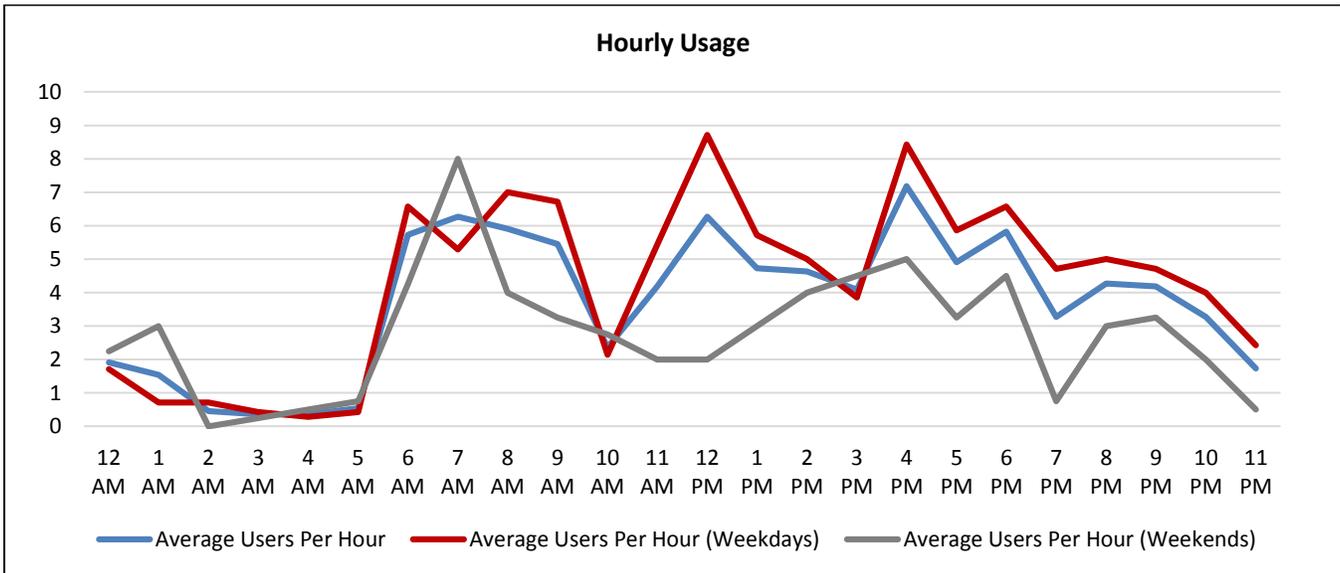
Daily Usage				
Uptown Park Boulevard Northbound (North of Post Oak Boulevard)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	76	100	77	0
Sunday, July 24, 2016	63	100	78	0
Monday, July 25, 2016	125	98	77	T
Tuesday, July 26, 2016	128	92	77	T
Wednesday, July 27, 2016	91	85	73	0.22
Thursday, July 28, 2016	112	91	76	0.12
Friday, July 29, 2016	83	96	75	T
Saturday, July 30, 2016	78	98	76	0
Sunday, July 31, 2016	50	96	77	T
Monday, August 1, 2016	89	98	74	0
Tuesday, August 2, 2016	89	99	77	0

Total	984
Average Daily Usage	89
Average Daily Usage (Weekday)	102
Average Daily Usage (Weekend)	67

*Weather conditions recorded at KHOU.



Hourly Usage Uptown Park Boulevard Northbound (North of Post Oak Boulevard)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	1.9	1.7	2.3
1:00 a.m.	1.5	0.7	3.0
2:00 a.m.	0.5	0.7	0.0
3:00 a.m.	0.4	0.4	0.3
4:00 a.m.	0.4	0.3	0.5
5:00 a.m.	0.5	0.4	0.8
6:00 a.m.	5.7	6.6	4.3
7:00 a.m.	6.3	5.3	8.0
8:00 a.m.	5.9	7.0	4.0
9:00 a.m.	5.5	6.7	3.3
10:00 a.m.	2.4	2.1	2.8
11:00 a.m.	4.2	5.4	2.0
12:00 p.m.	6.3	8.7	2.0
1:00 p.m.	4.7	5.7	3.0
2:00 p.m.	4.6	5.0	4.0
3:00 p.m.	4.1	3.9	4.5
4:00 p.m.	7.2	8.4	5.0
5:00 p.m.	4.9	5.9	3.3
6:00 p.m.	5.8	6.6	4.5
7:00 p.m.	3.3	4.7	0.8
8:00 p.m.	4.3	5.0	3.0
9:00 p.m.	4.2	4.7	3.3
10:00 p.m.	3.3	4.0	2.0
11:00 p.m.	1.7	2.4	0.5



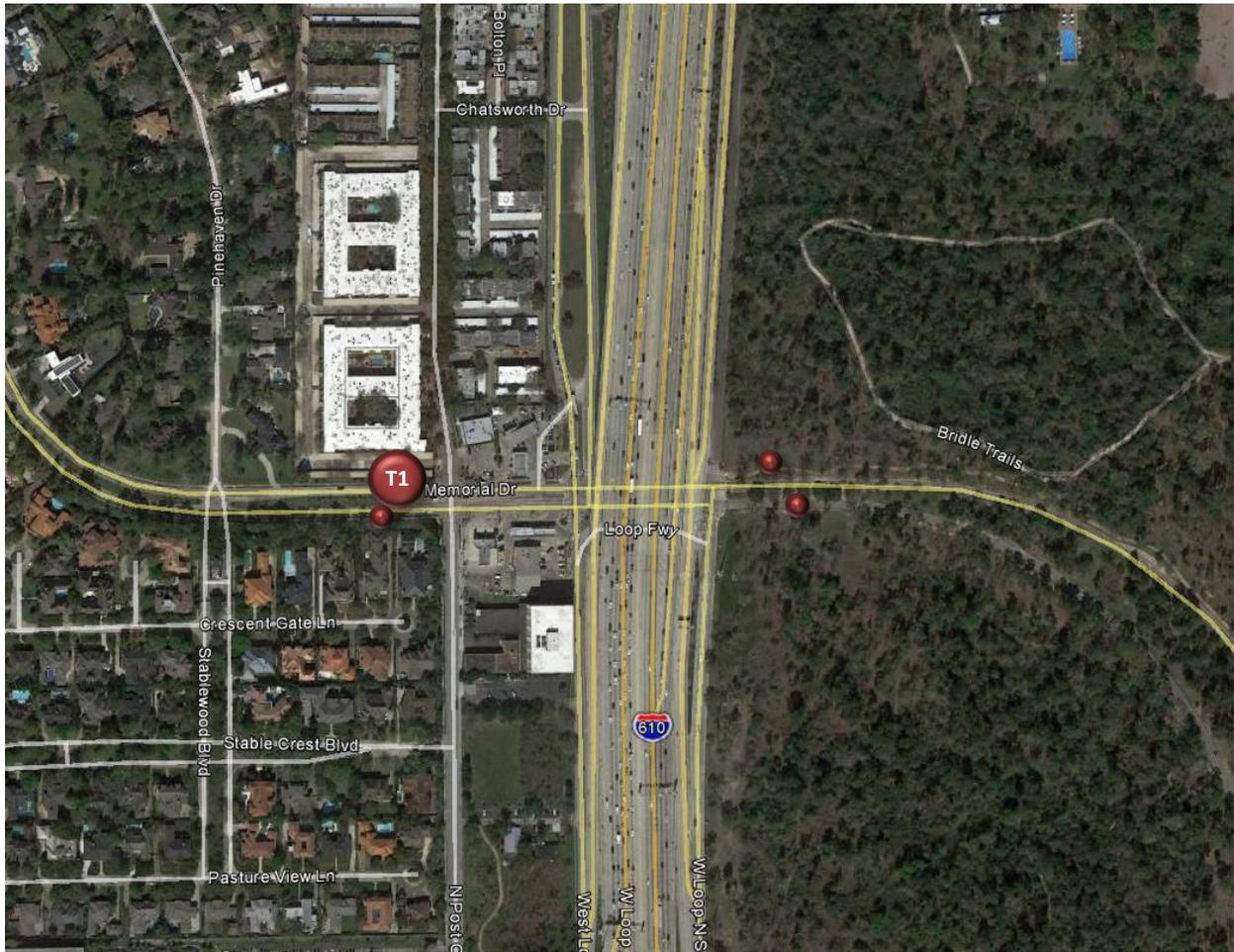
Counter T1

Memorial Drive Westbound (West of N. Post Oak Lane)

Location Information	
Location Name	Memorial Drive Westbound (West of N. Post Oak Lane)
Location Description	Sidewalk along Memorial Drive Westbound West of N. Post Oak Lane
Jurisdiction	City of Houston
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute
GPS Coordinates	29°46'24.23"N, 95°27'29.16"W
Surrounding Land Uses	North Multi-Family Residential
	South Single-Family Residential
	East Commercial/Retail, Office, I-610, Memorial Park
	West Single-Family Residential
What object was device secured to?	Sign Post (Speed Limit)
Sidewalk Width	4'
Buffer Width	4'
Street Width	Four-Lane Divided Roadway
Parallel Parking	No
Landscaping or Trees	Yes
Sidewalk Pavement Type	Concrete
ADA Ramps	Yes
Sidewalk Condition	Good (Minor Unevenness)
Speed Limit	35 miles per hour
Street Lighting	Yes
Street Traffic Volume	15,959 (8917 Memorial Drive: City of Houston – 2008)
Transit	Yes (METRO Bus Stop 180' East at Memorial Drive/N. Post Oak Lane)
Shade	No
Have counts been collected by H-GAC at this location before?	No
Notes	Counter T1 malfunctioned and did not collect data during the deployment period.
	Construction was underway along Memorial Drive west of Counter T1 during the deployment period.

Trends
Counter T1 malfunctioned and did not collect data during the deployment period.

Location Information: Map



Location Information: Photos



Image 15: Memorial Drive Westbound (West of I-610)
Facing East



Image 16: Memorial Drive Westbound (West of I-610)
Facing West

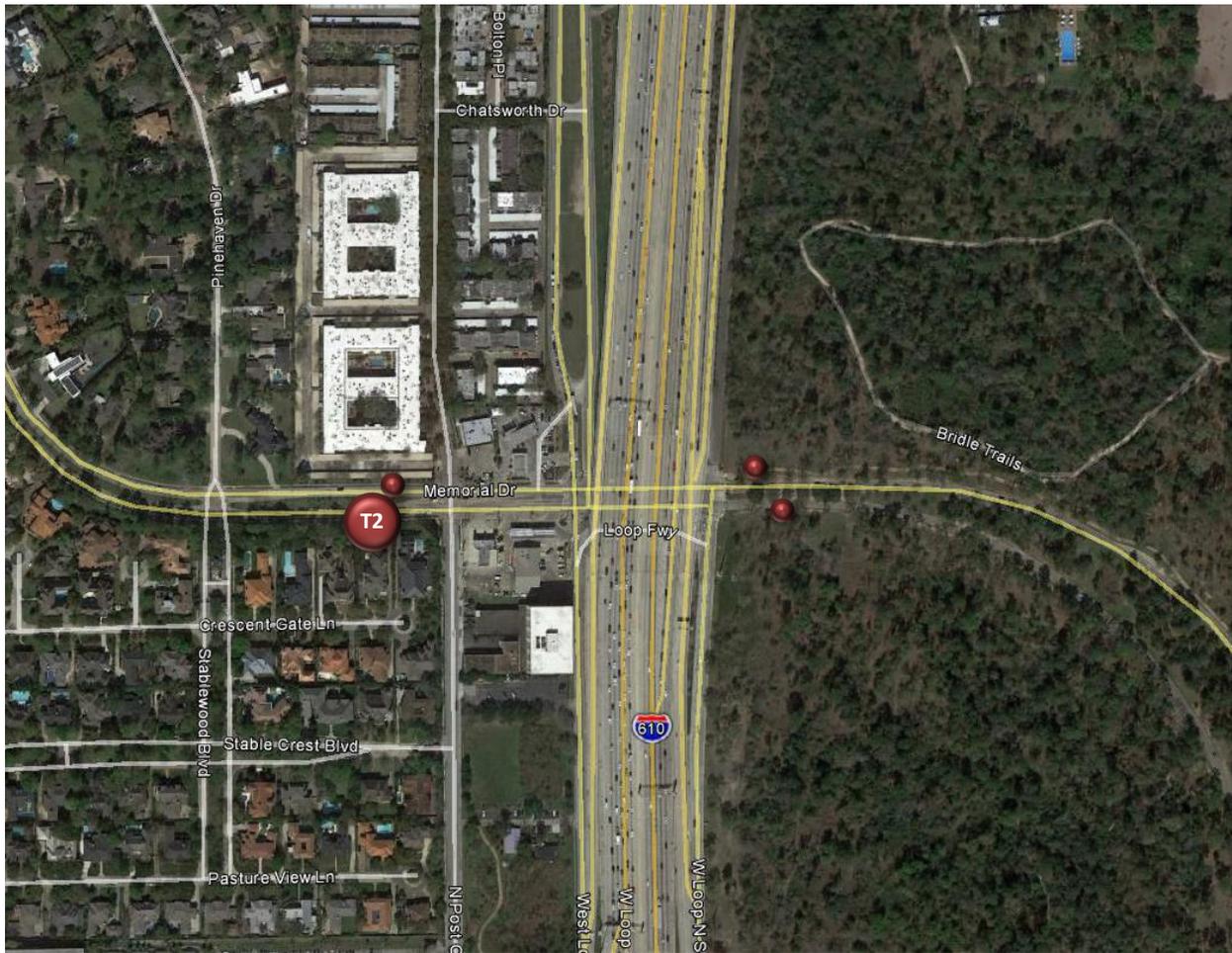
Counter T2

Memorial Drive Eastbound (West of N. Post Oak Lane)

Location Information		
Location Name	Memorial Drive Eastbound (West of N. Post Oak Lane)	
Location Description	Sidewalk along Memorial Drive Eastbound West of N. Post Oak Lane	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°46'23.46"N, 95°27'29.45"W	
Surrounding Land Uses	North	Multi-Family Residential
	South	Single-Family Residential
	East	Commercial/Retail, Office, I-610, Memorial Park
	West	Single-Family Residential
What object was device secured to?	Sign Post (Bike Route Ahead)	
Sidewalk Width	4'	
Buffer Width	4'	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Fair (Some Unevenness)	
Speed Limit	35 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	15,959 (8917 Memorial Drive: City of Houston – 2008)	
Transit	Yes (METRO Bus Stop 200' East at Memorial Drive/N. Post Oak Lane)	
Shade	Intermittent	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Usage tends to be higher on weekdays (28 users/day) than during weekends (23 users/day). • On weekdays, usage is highest in the morning (8:00 a.m. – 10:00 a.m.). • During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.).

Location Information: Map



Location Information: Photos



Image 17: Memorial Drive Eastbound (West of I-610)
Facing East

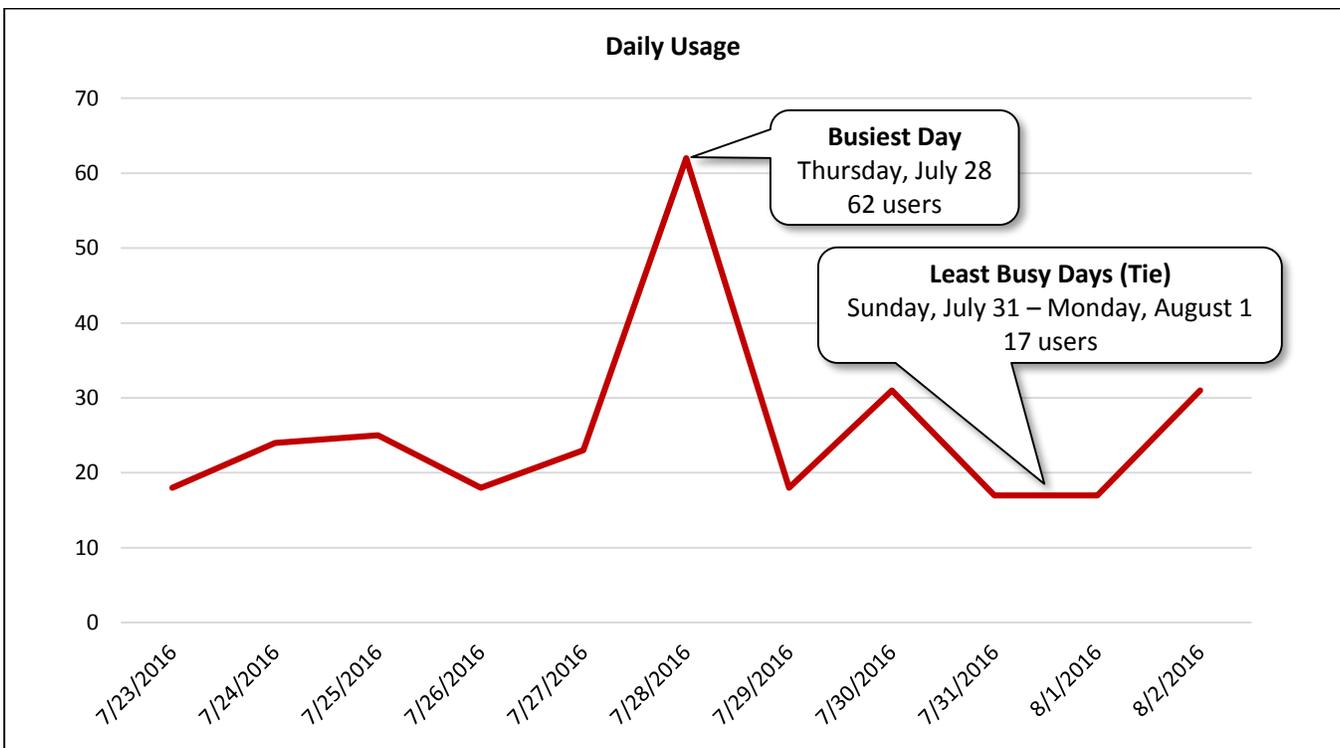


Image 18: Memorial Drive Eastbound (West of I-610)
Facing West

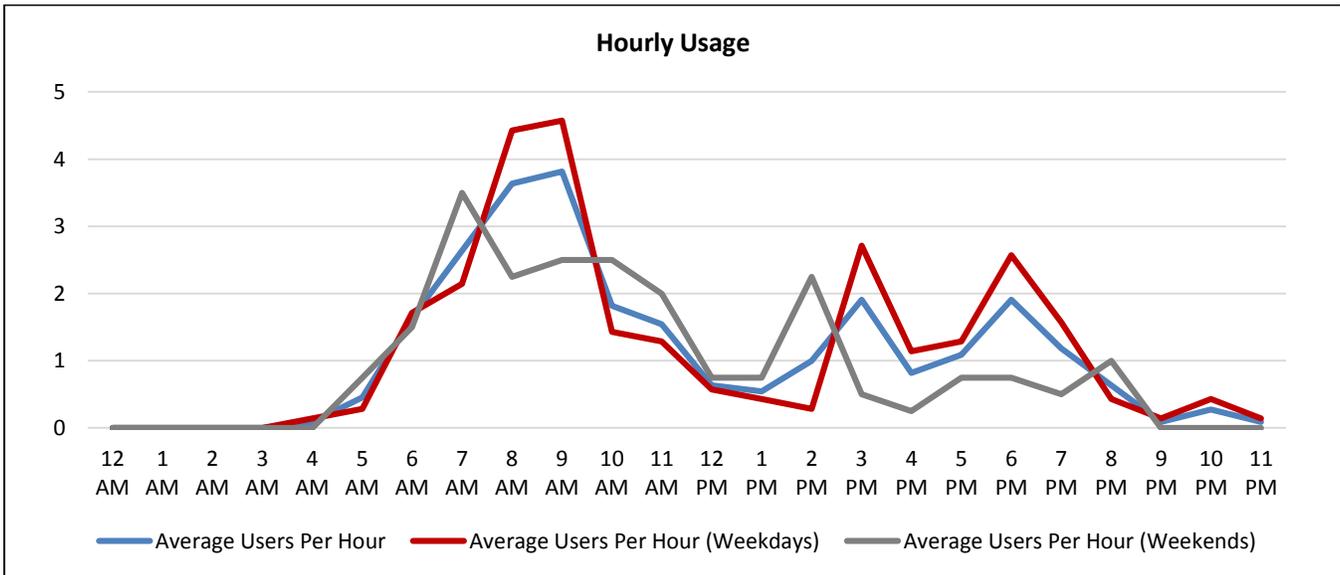
Daily Usage Memorial Drive Eastbound (West of N. Post Oak Lane)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	18	100	77	0
Sunday, July 24, 2016	24	100	78	0
Monday, July 25, 2016	25	98	77	T
Tuesday, July 26, 2016	18	92	77	T
Wednesday, July 27, 2016	23	85	73	0.22
Thursday, July 28, 2016	62	91	76	0.12
Friday, July 29, 2016	18	96	75	T
Saturday, July 30, 2016	31	98	76	0
Sunday, July 31, 2016	17	96	77	T
Monday, August 1, 2016	17	98	74	0
Tuesday, August 2, 2016	31	99	77	0

Total	284
Average Daily Usage	26
Average Daily Usage (Weekday)	28
Average Daily Usage (Weekend)	23

*Weather conditions recorded at KHOU.



Hourly Usage Memorial Drive Eastbound (West of N. Post Oak Lane)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.1	0.1	0.0
5:00 a.m.	0.5	0.3	0.8
6:00 a.m.	1.6	1.7	1.5
7:00 a.m.	2.6	2.1	3.5
8:00 a.m.	3.6	4.4	2.3
9:00 a.m.	3.8	4.6	2.5
10:00 a.m.	1.8	1.4	2.5
11:00 a.m.	1.5	1.3	2.0
12:00 p.m.	0.6	0.6	0.8
1:00 p.m.	0.5	0.4	0.8
2:00 p.m.	1.0	0.3	2.3
3:00 p.m.	1.9	2.7	0.5
4:00 p.m.	0.8	1.1	0.3
5:00 p.m.	1.1	1.3	0.8
6:00 p.m.	1.9	2.6	0.8
7:00 p.m.	1.2	1.6	0.5
8:00 p.m.	0.6	0.4	1.0
9:00 p.m.	0.1	0.1	0.0
10:00 p.m.	0.3	0.4	0.0
11:00 p.m.	0.1	0.1	0.0



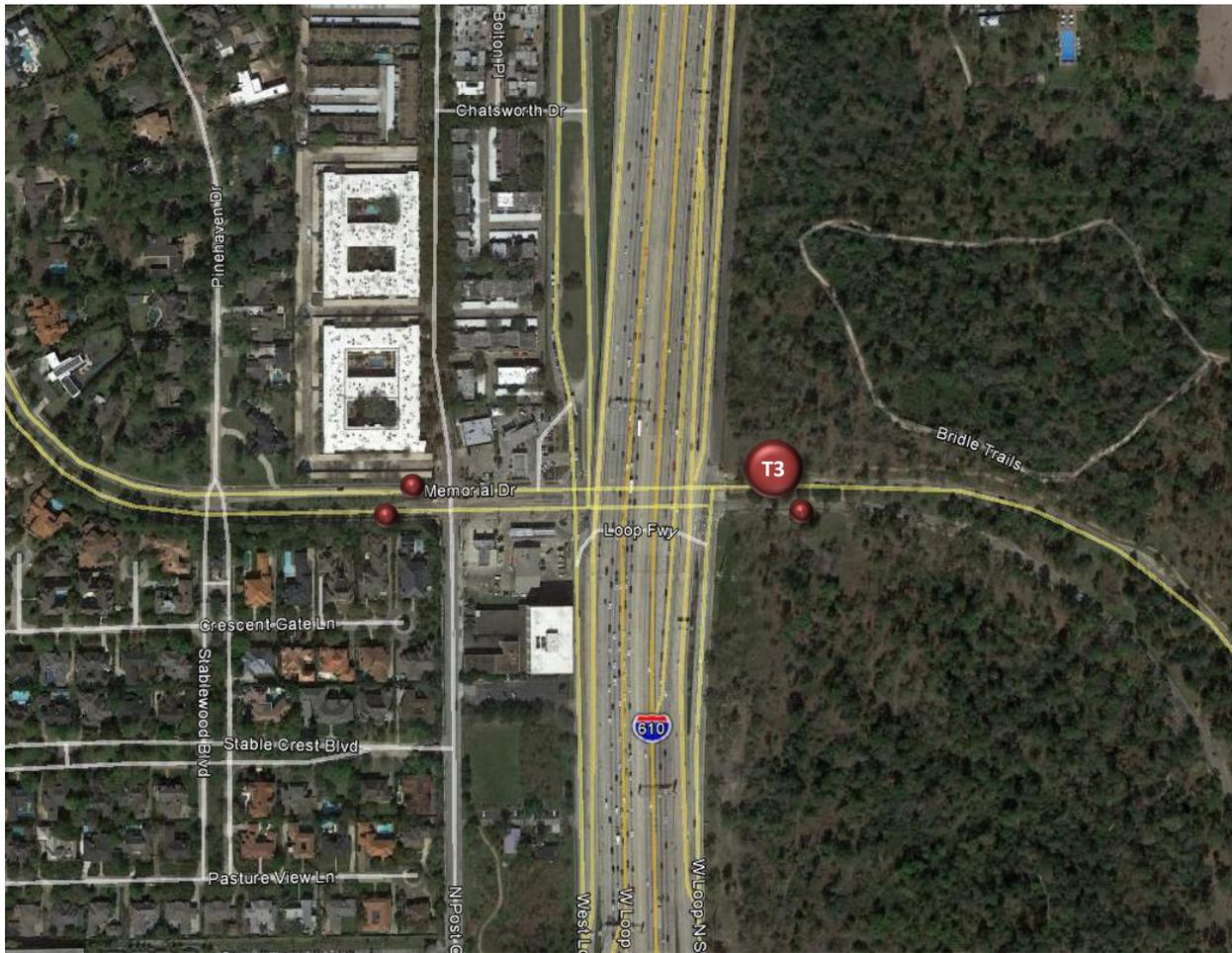
Counter T3

Memorial Drive Westbound (East of I-610)

Location Information		
Location Name	Memorial Drive Westbound (East of I-610)	
Location Description	Shared-Use Path along Memorial Drive Westbound East of I-610	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°46'24.37"N, 95°27'16.81"W	
Surrounding Land Uses	North	Memorial Park
	South	Memorial Park
	East	Memorial Park
	West	I-610, Commercial/Retail, Office, Multi-Family Residential, Single-Family Residential
What object was device secured to?	Light Post (with Signal Ahead Sign)	
Sidewalk Width	8'	
Buffer Width	20' (Varies)	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Decomposed Granite	
ADA Ramps	Yes	
Sidewalk Condition	Good (Some Vegetation along Edges)	
Speed Limit	40 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	13,339 (6500 Memorial Drive: City of Houston – 2007)	
Transit	No	
Shade	Intermittent	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Usage is higher during weekends (42 users/day) than on weekdays (38 users/day). • On weekdays, usage is highest in the morning (6:00 a.m. – 8:00 a.m.). • During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.).

Location Information: Map



Location Information: Photos



Image 19: Memorial Drive Westbound (East of I-610)
Facing East

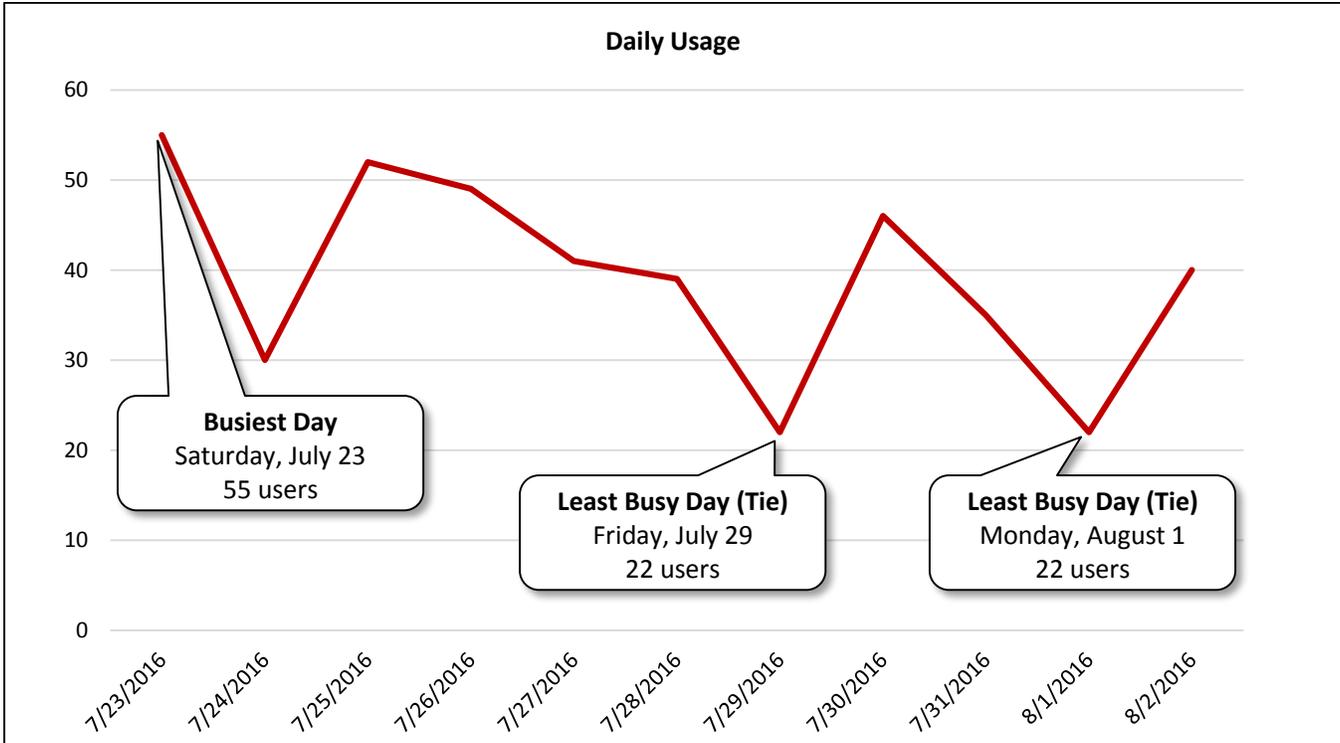


Image 20: Memorial Drive Westbound (East of I-610)
Facing West

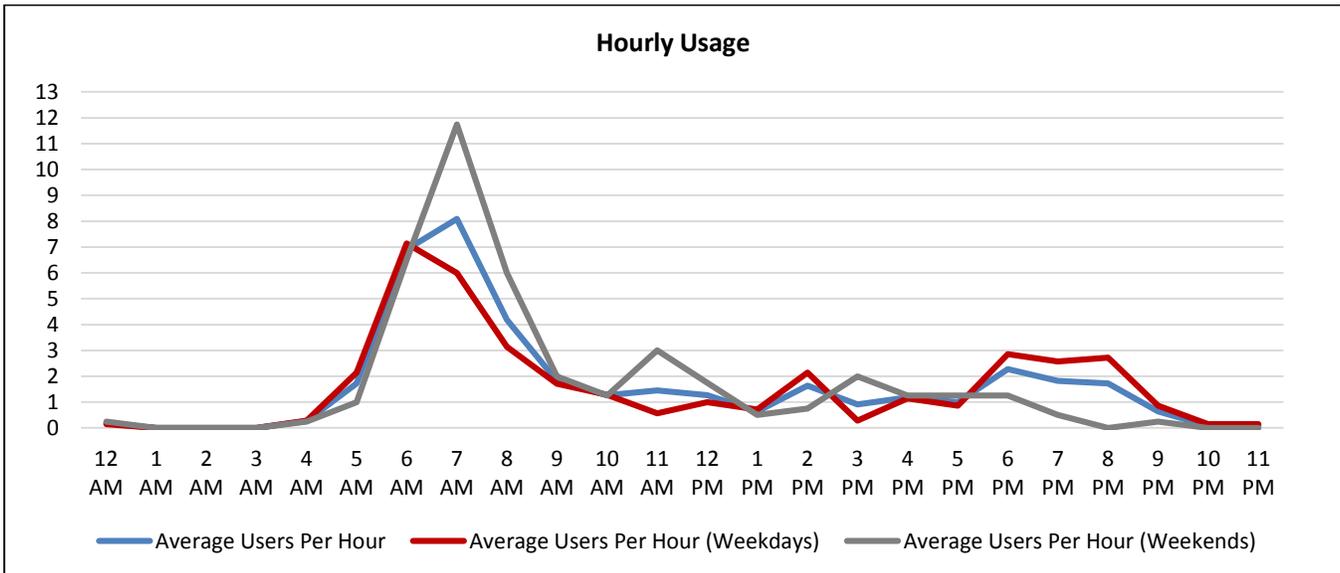
Daily Usage Memorial Drive Westbound (East of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	55	100	77	0
Sunday, July 24, 2016	30	100	78	0
Monday, July 25, 2016	52	98	77	T
Tuesday, July 26, 2016	49	92	77	T
Wednesday, July 27, 2016	41	85	73	0.22
Thursday, July 28, 2016	39	91	76	0.12
Friday, July 29, 2016	22	96	75	T
Saturday, July 30, 2016	46	98	76	0
Sunday, July 31, 2016	35	96	77	T
Monday, August 1, 2016	22	98	74	0
Tuesday, August 2, 2016	40	99	77	0

Total	431
Average Daily Usage	39
Average Daily Usage (Weekday)	38
Average Daily Usage (Weekend)	42

*Weather conditions recorded at KHOU.



Hourly Usage Memorial Drive Westbound (East of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.2	0.1	0.3
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.3	0.3	0.3
5:00 a.m.	1.7	2.1	1.0
6:00 a.m.	6.9	7.1	6.5
7:00 a.m.	8.1	6.0	11.8
8:00 a.m.	4.2	3.1	6.0
9:00 a.m.	1.8	1.7	2.0
10:00 a.m.	1.3	1.3	1.3
11:00 a.m.	1.5	0.6	3.0
12:00 p.m.	1.3	1.0	1.8
1:00 p.m.	0.6	0.7	0.5
2:00 p.m.	1.6	2.1	0.8
3:00 p.m.	0.9	0.3	2.0
4:00 p.m.	1.2	1.1	1.3
5:00 p.m.	1.0	0.9	1.3
6:00 p.m.	2.3	2.9	1.3
7:00 p.m.	1.8	2.6	0.5
8:00 p.m.	1.7	2.7	0.0
9:00 p.m.	0.6	0.9	0.3
10:00 p.m.	0.1	0.1	0.0
11:00 p.m.	0.1	0.1	0.0



Counter T4

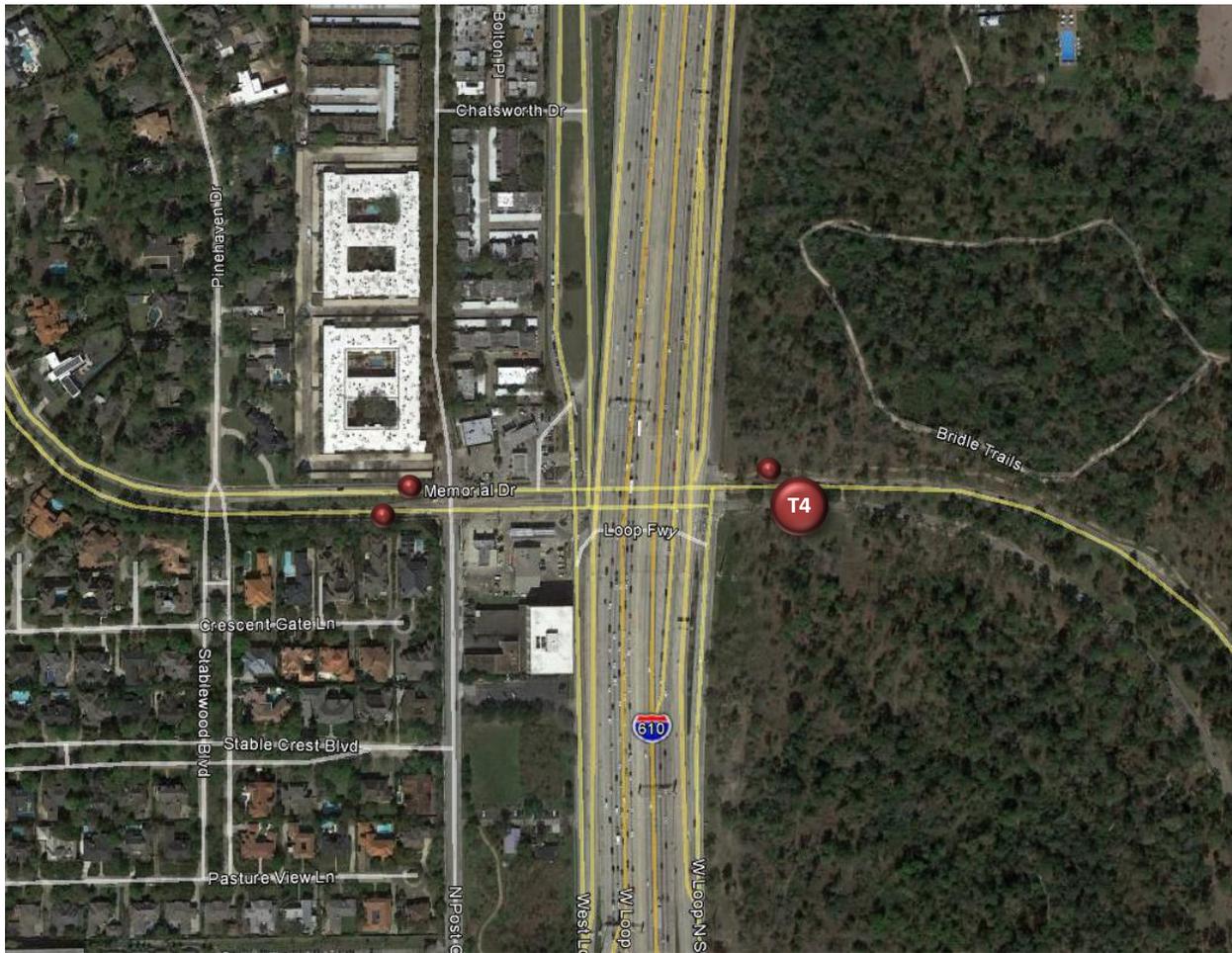
Memorial Drive Eastbound (East of I-610)

Location Information		
Location Name	Memorial Drive Eastbound (East of I-610)	
Location Description	Informal Dirt Path along Memorial Drive Eastbound East of I-610	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°46'23.62"N, 95°27'17.68"W	
Surrounding Land Uses	North	Memorial Park
	South	Memorial Park
	East	Memorial Park
	West	I-610, Commercial/Retail, Office, Multi-Family Residential, Single-Family Residential
What object was device secured to?	Light Post (#215366)	
Sidewalk Width	N/A (No Pedestrian Facilities Present)	
Buffer Width	N/A (No Pedestrian Facilities Present)	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Dirt Path (No Pedestrian Facilities Present)	
ADA Ramps	N/A (No Pedestrian Facilities Present)	
Sidewalk Condition	N/A (No Pedestrian Facilities Present)	
Speed Limit	40 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	13,339 (6500 Memorial Drive: City of Houston – 2007)	
Transit	No	
Shade	Intermittent	
Have counts been collected by H-GAC at this location before?	No	
Notes	There are no pedestrian facilities present at Counter T4, only an informal dirt path. A shared-use path is located on the opposite side of Memorial Drive (see Counter T3).	

Trends

- There are no pedestrian facilities present at Counter T4, and pedestrian activity is low.
- Usage is consistent throughout the day, with an average of 5 users/day on weekdays and during weekends.
- On weekdays, usage is highest in the morning (8:00 a.m. – 9:00 a.m.).
- During weekends, usage is highest in the morning (8:00 a.m. – 9:00 a.m.).

Location Information: Map



Location Information: Photos



Image 21: Memorial Drive Eastbound (East of I-610)
Facing East

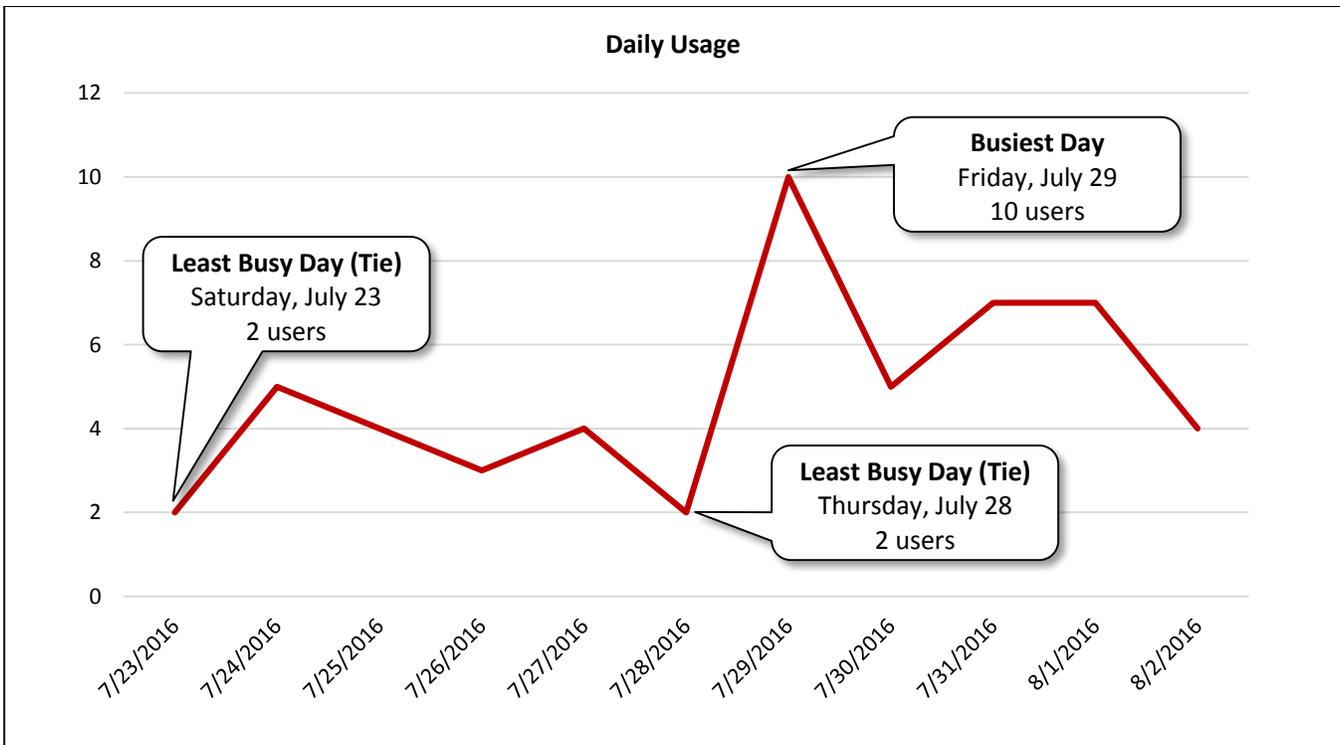


Image 22: Memorial Drive Eastbound (East of I-610)
Facing West

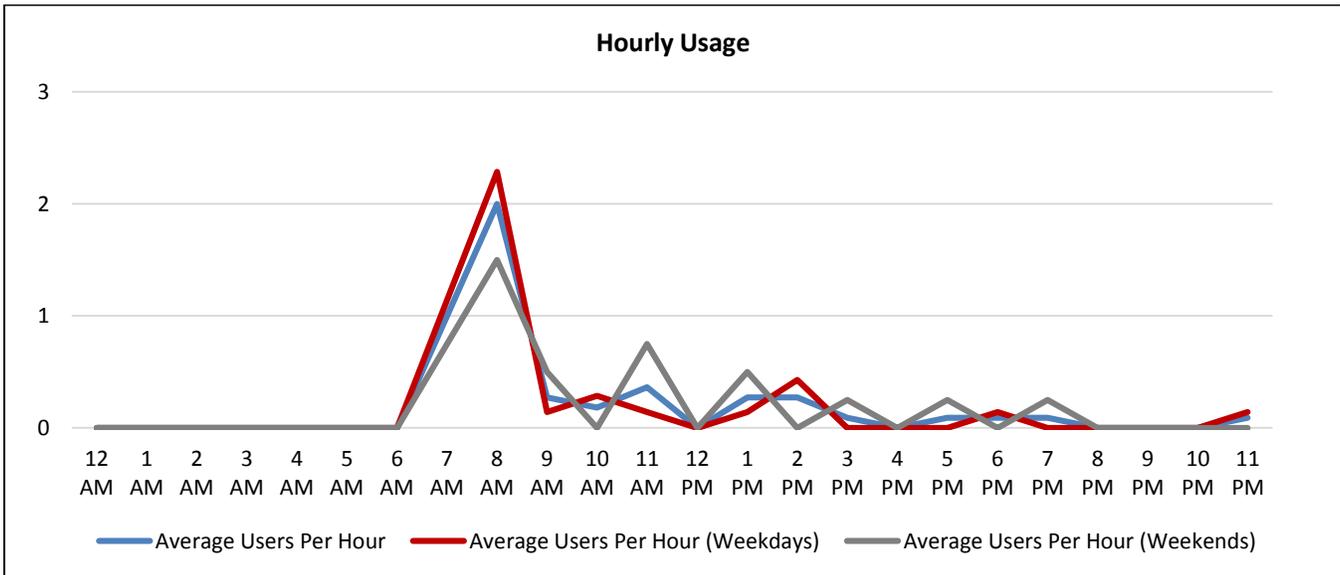
Daily Usage				
Memorial Drive Eastbound (East of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	2	100	77	0
Sunday, July 24, 2016	5	100	78	0
Monday, July 25, 2016	4	98	77	T
Tuesday, July 26, 2016	3	92	77	T
Wednesday, July 27, 2016	4	85	73	0.22
Thursday, July 28, 2016	2	91	76	0.12
Friday, July 29, 2016	10	96	75	T
Saturday, July 30, 2016	5	98	76	0
Sunday, July 31, 2016	7	96	77	T
Monday, August 1, 2016	7	98	74	0
Tuesday, August 2, 2016	4	99	77	0
Total	53			
Average Daily Usage	5			
Average Daily Usage (Weekday)	5			
Average Daily Usage (Weekend)	5			

Notes	
There are no pedestrian facilities present at Counter T4, only an informal dirt path.	

*Weather conditions recorded at KHOU.



Hourly Usage			
Memorial Drive Eastbound (East of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.0	0.0	0.0
5:00 a.m.	0.0	0.0	0.0
6:00 a.m.	0.0	0.0	0.0
7:00 a.m.	1.0	1.1	0.8
8:00 a.m.	2.0	2.3	1.5
9:00 a.m.	0.3	0.1	0.5
10:00 a.m.	0.2	0.3	0.0
11:00 a.m.	0.4	0.1	0.8
12:00 p.m.	0.0	0.0	0.0
1:00 p.m.	0.3	0.1	0.5
2:00 p.m.	0.3	0.4	0.0
3:00 p.m.	0.1	0.0	0.3
4:00 p.m.	0.0	0.0	0.0
5:00 p.m.	0.1	0.0	0.3
6:00 p.m.	0.1	0.1	0.0
7:00 p.m.	0.1	0.0	0.3
8:00 p.m.	0.0	0.0	0.0
9:00 p.m.	0.0	0.0	0.0
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.1	0.1	0.0



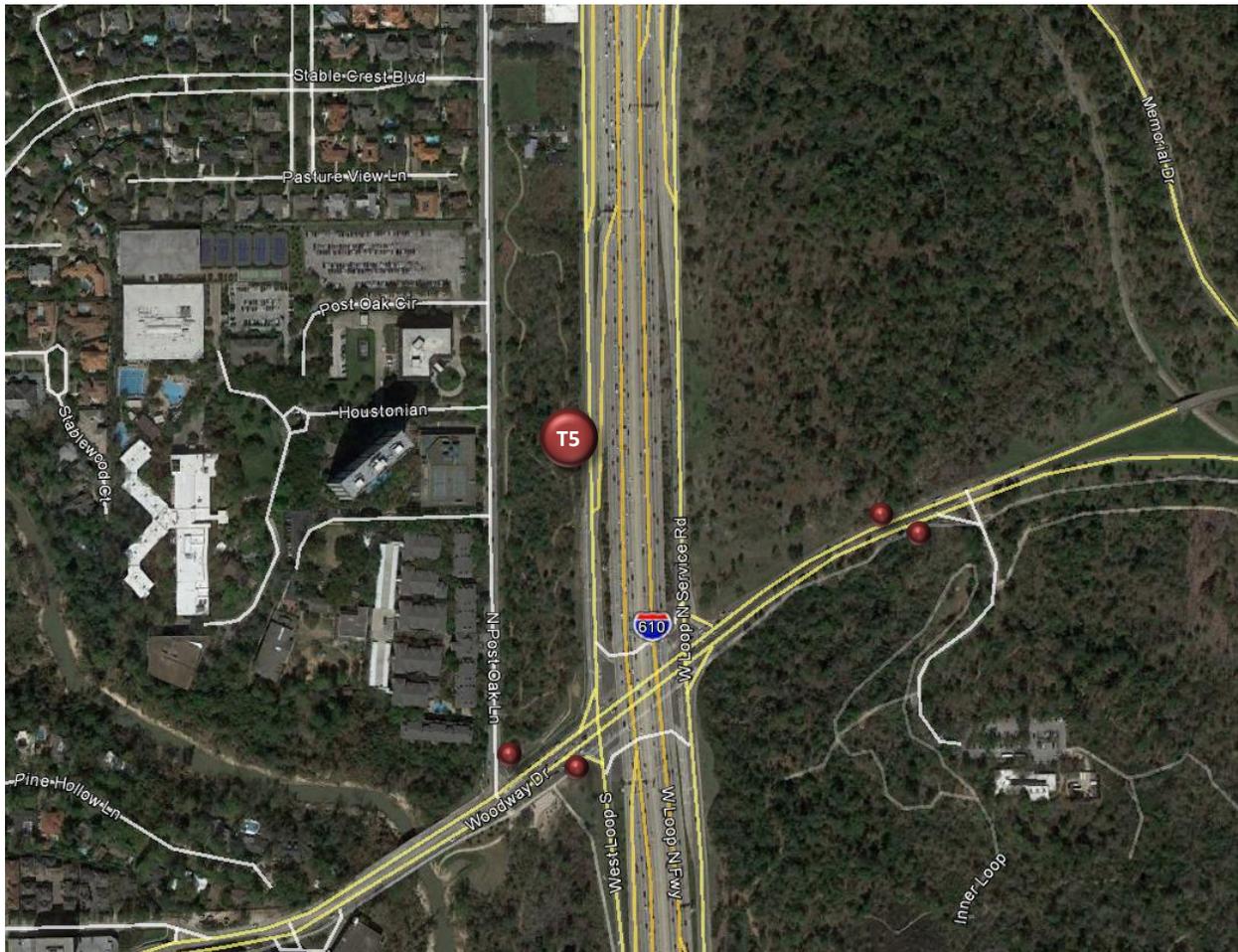
Counter T5

I-610 Southbound Frontage Road (North of Woodway Drive)

Location Information	
Location Name	I-610 Southbound Frontage Road (North of Woodway Drive)
Location Description	Sidewalk along I-610 Southbound Frontage Road North of Woodway Drive
Jurisdiction	City of Houston
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute
GPS Coordinates	29°46'6.72"N, 95°27'23.58"W
Surrounding Land Uses	North Weiss Park
	South Weiss Park
	East I-610, Memorial Park
	West Weiss Park, Office, Hotel, Multi-Family Residential
What object was device secured to?	Sign Post (Yield)
Sidewalk Width	4'
Buffer Width	4.5'
Street Width	Three-Lane, One-Way Frontage Road
Parallel Parking	No
Landscaping or Trees	No
Sidewalk Pavement Type	Concrete
ADA Ramps	Yes
Sidewalk Condition	Good
Speed Limit	45 miles per hour
Street Lighting	Yes
Street Traffic Volume	Not Available
Transit	Yes (METRO Bus Stop 100' South along I-610 Southbound Frontage Road)
Shade	No
Have counts been collected by H-GAC at this location before?	No

Trends
<ul style="list-style-type: none"> • Pedestrian/bicycle activity is low at this location. • Usage is higher on weekdays (7 users/day) than during weekends (3 users/day). • On weekdays, usage is highest in the late morning (10:00 a.m. – 11:00 a.m.). Usage may be skewed by abnormally high usage on Tuesday, July 26, 2016 between 10:00 a.m. and 11:00 a.m., when 22 users passed the counter. • During weekends, usage is low throughout the day.

Location Information: Map



Location Information: Photos



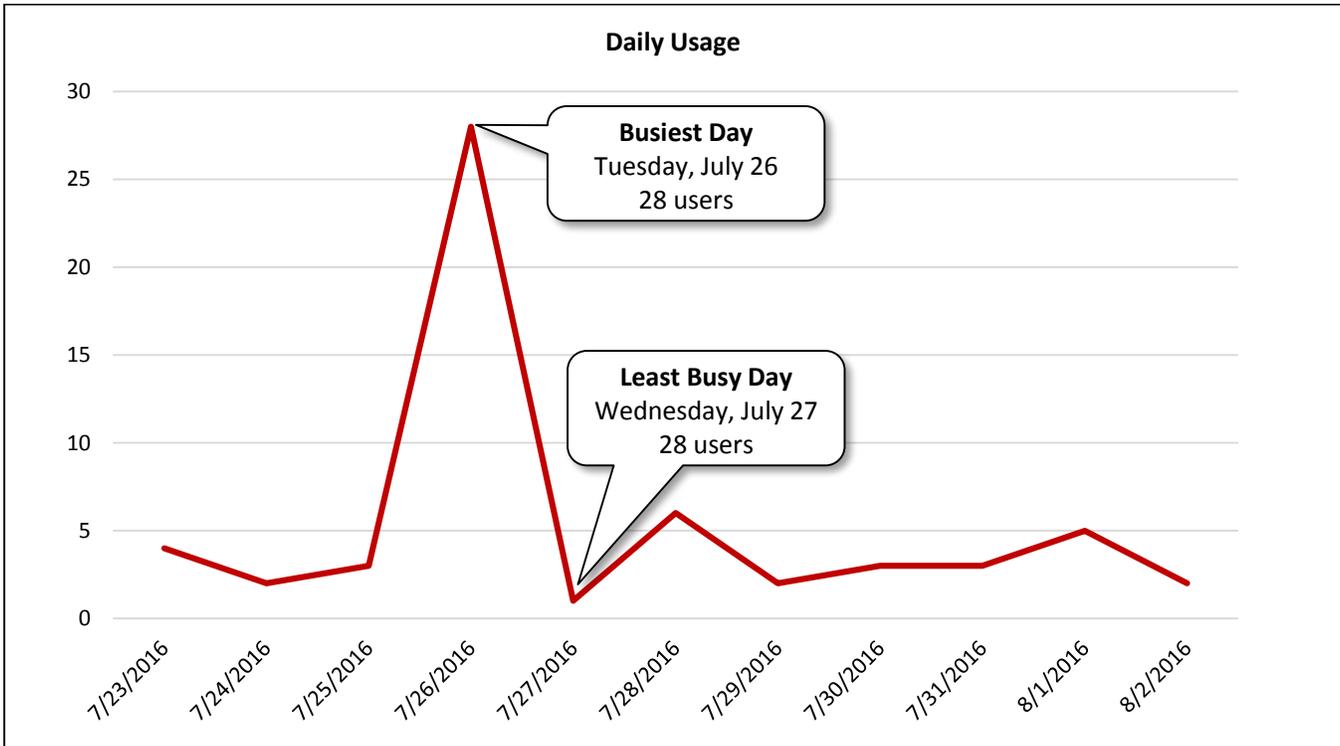
Image 23: I-610 Southbound Frontage Road (North of Woodway Drive) Facing North



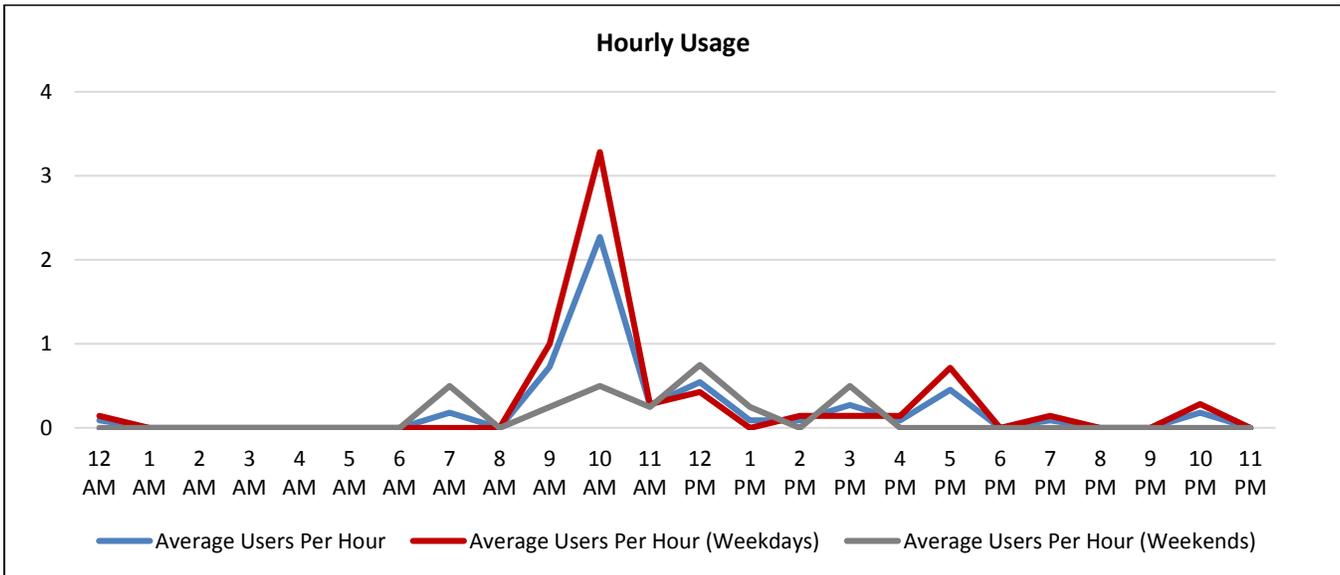
Image 24: I-610 Southbound Frontage Road (North of Woodway Drive) Facing South

Daily Usage				
I-610 Southbound Frontage Road (North of Woodway Drive)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	4	100	77	0
Sunday, July 24, 2016	2	100	78	0
Monday, July 25, 2016	3	98	77	T
Tuesday, July 26, 2016	28	92	77	T
Wednesday, July 27, 2016	1	85	73	0.22
Thursday, July 28, 2016	6	91	76	0.12
Friday, July 29, 2016	2	96	75	T
Saturday, July 30, 2016	3	98	76	0
Sunday, July 31, 2016	3	96	77	T
Monday, August 1, 2016	5	98	74	0
Tuesday, August 2, 2016	2	99	77	0
Saturday, July 23, 2016	4	100	77	0
Total	59			
Average Daily Usage	5			
Average Daily Usage (Weekday)	7			
Average Daily Usage (Weekend)	3			

*Weather conditions recorded at KHOU.



Hourly Usage I-610 Southbound Frontage Road (North of Woodway Drive)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.1	0.1	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.0	0.0	0.0
5:00 a.m.	0.0	0.0	0.0
6:00 a.m.	0.0	0.0	0.0
7:00 a.m.	0.2	0.0	0.5
8:00 a.m.	0.0	0.0	0.0
9:00 a.m.	0.7	1.0	0.3
10:00 a.m.	2.3	3.3	0.5
11:00 a.m.	0.3	0.3	0.3
12:00 p.m.	0.5	0.4	0.8
1:00 p.m.	0.1	0.0	0.3
2:00 p.m.	0.1	0.1	0.0
3:00 p.m.	0.3	0.1	0.5
4:00 p.m.	0.1	0.1	0.0
5:00 p.m.	0.5	0.7	0.0
6:00 p.m.	0.0	0.0	0.0
7:00 p.m.	0.1	0.1	0.0
8:00 p.m.	0.0	0.0	0.0
9:00 p.m.	0.0	0.0	0.0
10:00 p.m.	0.2	0.3	0.0
11:00 p.m.	0.0	0.0	0.0



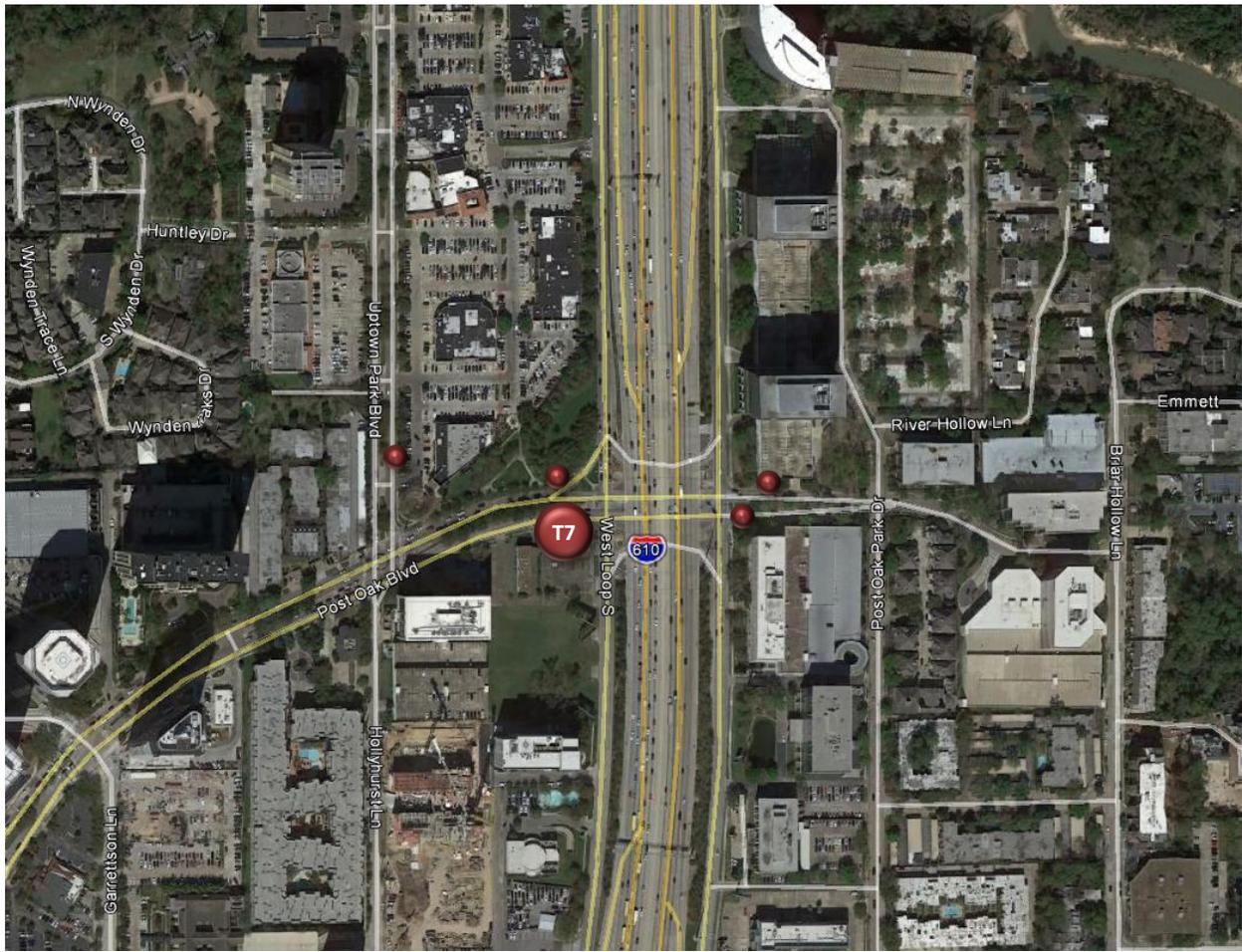
Counter T7

Post Oak Boulevard Eastbound (West of I-610)

Location Information		
Location Name	Post Oak Boulevard Eastbound (West of I-610)	
Location Description	Sidewalk along Post Oak Boulevard Eastbound West of I-610	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'14.29"N, 95°27'22.87"W	
Surrounding Land Uses	North	Park/Open Space
	South	Office, Vacant Land
	East	I-610, Office, Multi-Family Residential
	West	Office, Commercial/Retail, Multi-Family Residential
What object was device secured to?	Sign Post (I-610 Directional Sign)	
Sidewalk Width	5'	
Buffer Width	5'	
Street Width	Six-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Poor (Unevenness and Debris Covering Sidewalk)	
Speed Limit	35 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	32,000 (700 Post Oak Boulevard: TxDOT – 2012)	
Transit	Yes (METRO Bus Stop 400' West at Post Oak Boulevard/Uptown Park Boulevard/ Hollyhurst Lane)	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	
Notes	During the deployment period, there was construction underway along Post Oak Boulevard (Eastbound and Westbound) at I-610.	

Trends
<ul style="list-style-type: none"> • Usage tends to be higher on weekdays (37 users/day) than during weekends (20 users/days). • On weekdays, usage is highest in the morning (8:00 a.m. – 10:00 a.m.) and late afternoon (3:00 p.m. – 4:00 p.m.) • During weekends, usage is highest in the late morning (9:00 a.m. – 11:00 a.m.).

Location Information: Map



Location Information: Photos



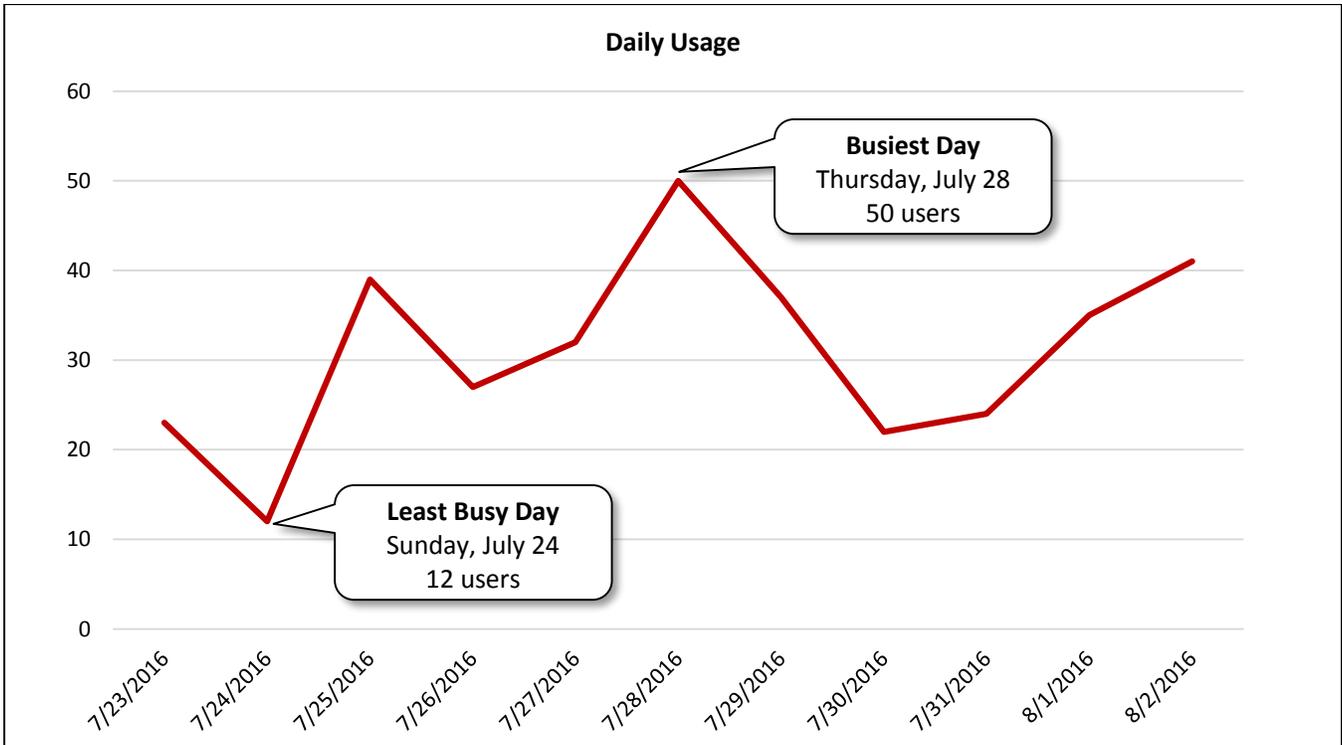
Image 25: Post Oak Boulevard Eastbound (West of I-610)
Facing East



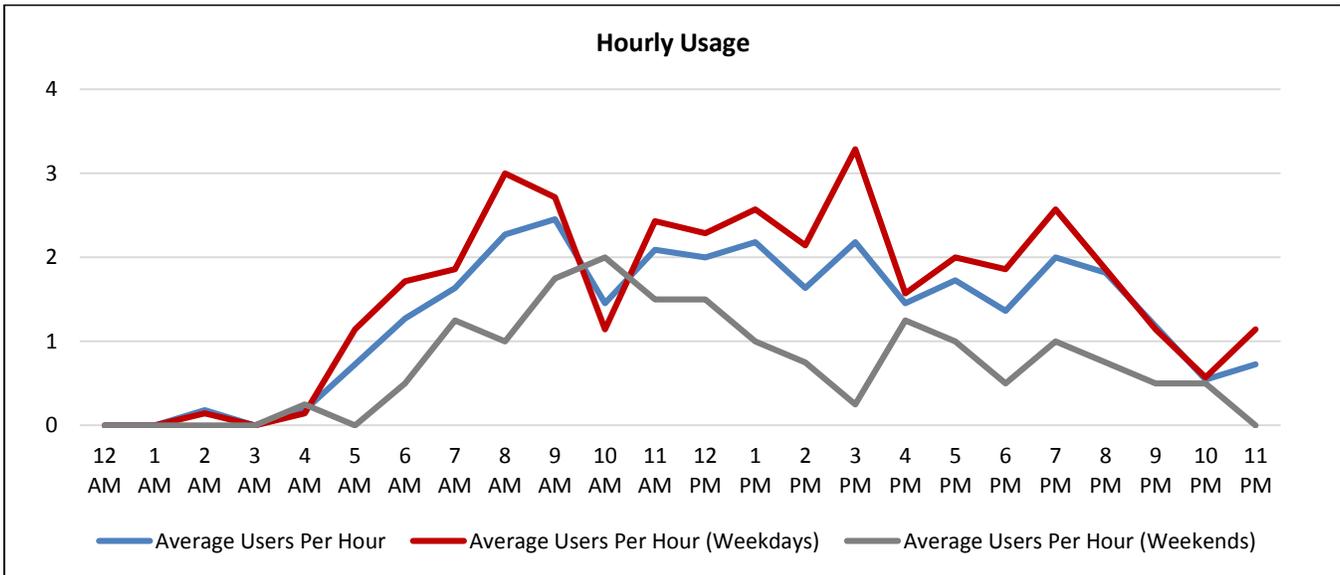
Image 26: Post Oak Boulevard Eastbound (West of I-610)
Facing West

Daily Usage				
Post Oak Boulevard Eastbound (West of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	23	100	77	0
Sunday, July 24, 2016	12	100	78	0
Monday, July 25, 2016	39	98	77	T
Tuesday, July 26, 2016	27	92	77	T
Wednesday, July 27, 2016	32	85	73	0.22
Thursday, July 28, 2016	50	91	76	0.12
Friday, July 29, 2016	37	96	75	T
Saturday, July 30, 2016	22	98	76	0
Sunday, July 31, 2016	24	96	77	T
Monday, August 1, 2016	35	98	74	0
Tuesday, August 2, 2016	41	99	77	0
Total	342			
Average Daily Usage	31			
Average Daily Usage (Weekday)	37			
Average Daily Usage (Weekend)	20			

*Weather conditions recorded at KHOU.



Hourly Usage			
Post Oak Boulevard Eastbound (West of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.2	0.1	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.2	0.1	0.3
5:00 a.m.	0.7	1.1	0.0
6:00 a.m.	1.3	1.7	0.5
7:00 a.m.	1.6	1.9	1.3
8:00 a.m.	2.3	3.0	1.0
9:00 a.m.	2.5	2.7	1.8
10:00 a.m.	1.5	1.1	2.0
11:00 a.m.	2.1	2.4	1.5
12:00 p.m.	2.0	2.3	1.5
1:00 p.m.	2.2	2.6	1.0
2:00 p.m.	1.6	2.1	0.8
3:00 p.m.	2.2	3.3	0.3
4:00 p.m.	1.5	1.6	1.3
5:00 p.m.	1.7	2.0	1.0
6:00 p.m.	1.4	1.9	0.5
7:00 p.m.	2.0	2.6	1.0
8:00 p.m.	1.8	1.9	0.8
9:00 p.m.	1.2	1.1	0.5
10:00 p.m.	0.5	0.6	0.5
11:00 p.m.	0.7	1.1	0.0



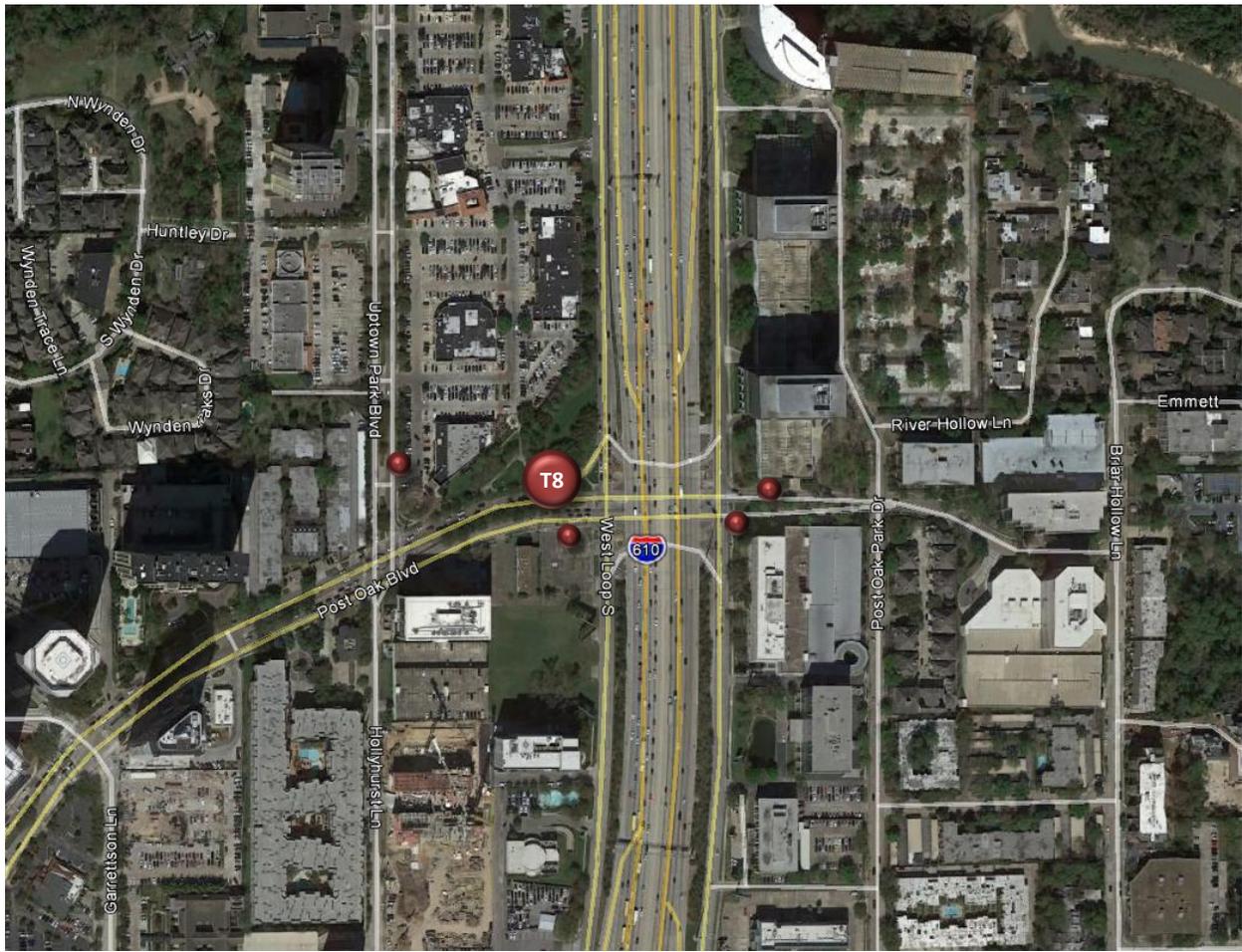
Counter T8

Post Oak Boulevard Westbound (West of I-610)

Location Information		
Location Name	Post Oak Boulevard Westbound (West of I-610)	
Location Description	Sidewalk along Post Oak Boulevard Westbound West of I-610	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'15.39"N, 95°27'22.79"W	
Surrounding Land Uses	North	Park/Open Space, Commercial/Retail
	South	Office, Vacant Land
	East	I-610, Office, Multi-Family Residential
	West	Office, Commercial/Retail, Multi-Family Residential
What object was device secured to?	Sign Post (Yield)	
Sidewalk Width	6'	
Buffer Width	10' (Varies)	
Street Width	Six-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good (Minor Unevenness)	
Speed Limit	35 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	32,000 (700 Post Oak Boulevard: TxDOT – 2012)	
Transit	Yes (METRO Bus Stop 400' West at Post Oak Boulevard/Uptown Park Boulevard/ Hollyhurst Lane)	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	
Notes	During the deployment period, there was construction underway along Post Oak Boulevard (Eastbound and Westbound) at I-610.	

Trends
<ul style="list-style-type: none"> • Usage tends to be higher on weekdays (55 users/day) than during weekends (31 users/day). • On weekdays, usage is highest midday (12:00 p.m. – 2:00 p.m.). • During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.).

Location Information: Map



Location Information: Photos



Image 27: Post Oak Boulevard Westbound (West of I-610)
Facing East



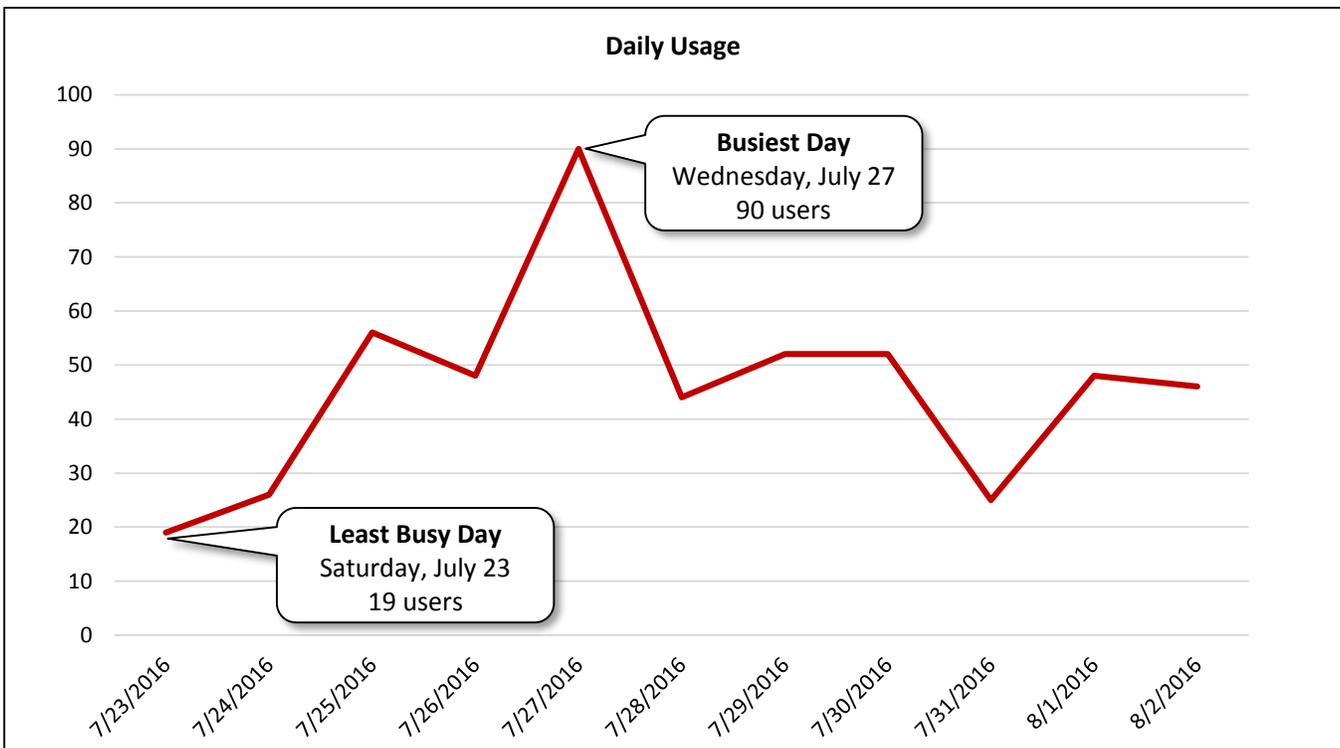
Image 28: Post Oak Boulevard Westbound (West of I-610)
Facing West

Daily Usage
Post Oak Boulevard Westbound (West of I-610)

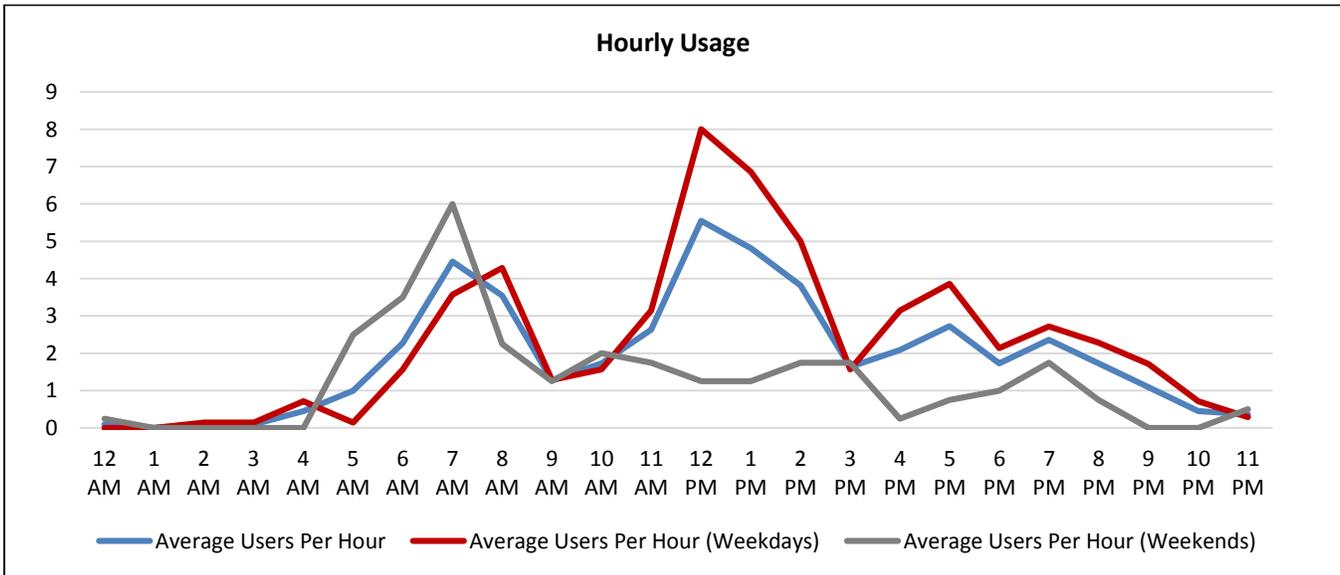
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	19	100	77	0
Sunday, July 24, 2016	26	100	78	0
Monday, July 25, 2016	56	98	77	T
Tuesday, July 26, 2016	48	92	77	T
Wednesday, July 27, 2016	90	85	73	0.22
Thursday, July 28, 2016	44	91	76	0.12
Friday, July 29, 2016	52	96	75	T
Saturday, July 30, 2016	52	98	76	0
Sunday, July 31, 2016	25	96	77	T
Monday, August 1, 2016	48	98	74	0
Tuesday, August 2, 2016	46	99	77	0

Total	506
Average Daily Usage	46
Average Daily Usage (Weekday)	55
Average Daily Usage (Weekend)	31

*Weather conditions recorded at KHOU.



Hourly Usage			
Post Oak Boulevard Westbound (West of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.1	0.0	0.3
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.1	0.1	0.0
3:00 a.m.	0.1	0.1	0.0
4:00 a.m.	0.5	0.7	0.0
5:00 a.m.	1.0	0.1	2.5
6:00 a.m.	2.3	1.6	3.5
7:00 a.m.	4.5	3.6	6.0
8:00 a.m.	3.5	4.3	2.3
9:00 a.m.	1.3	1.3	1.3
10:00 a.m.	1.7	1.6	2.0
11:00 a.m.	2.6	3.1	1.8
12:00 p.m.	5.5	8.0	1.3
1:00 p.m.	4.8	6.9	1.3
2:00 p.m.	3.8	5.0	1.8
3:00 p.m.	1.6	1.6	1.8
4:00 p.m.	2.1	3.1	0.3
5:00 p.m.	2.7	3.9	0.8
6:00 p.m.	1.7	2.1	1.0
7:00 p.m.	2.4	2.7	1.8
8:00 p.m.	1.7	2.3	0.8
9:00 p.m.	1.1	1.7	0.0
10:00 p.m.	0.5	0.7	0.0
11:00 p.m.	0.4	0.3	0.5



Counter T9

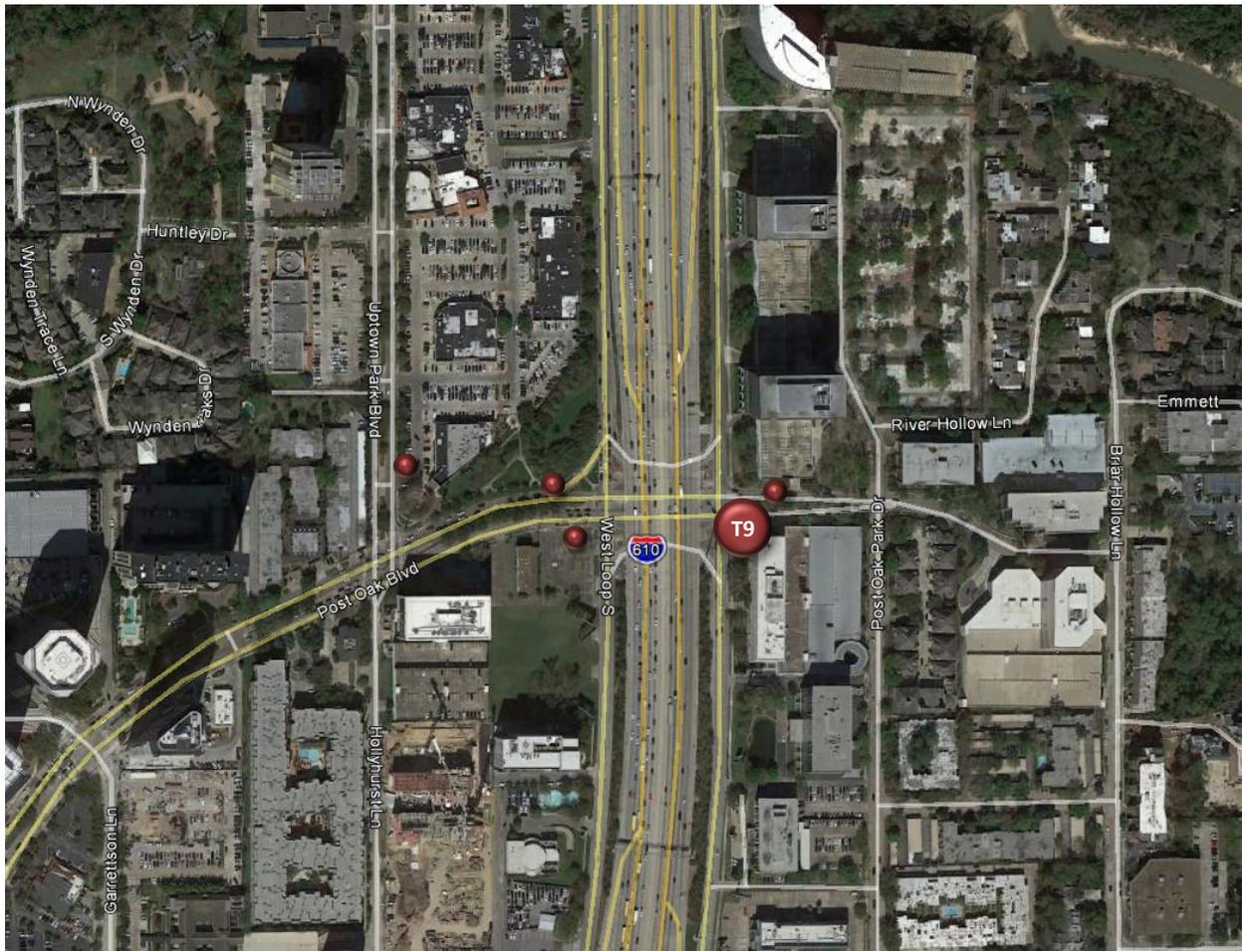
Post Oak Boulevard Eastbound (East of I-610)

Location Information	
Location Name	Post Oak Boulevard Eastbound (East of I-610)
Location Description	Sidewalk along Post Oak Boulevard Eastbound East of I-610
Jurisdiction	City of Houston
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute
GPS Coordinates	29°45'14.36"N, 95°27'17.92"W
Surrounding Land Uses	North Office
	South Office
	East Office, Multi-Family Residential
	West I-610, Office, Park/Open Space, Commercial/Retail
What object was device secured to?	Sign Post (No Parking)
Sidewalk Width	4'
Buffer Width	4'
Street Width	Four-Lane Divided Roadway
Parallel Parking	No
Landscaping or Trees	Yes
Sidewalk Pavement Type	Concrete
ADA Ramps	Yes
Sidewalk Condition	Good
Speed Limit	35 miles per hour
Street Lighting	Yes
Street Traffic Volume	Not Available
Transit	Yes (METRO Bus Stop 225' East at Post Oak Boulevard/Post Oak Park Drive)
Shade	Intermittent
Have counts been collected by H-GAC at this location before?	No
Notes	During the deployment period, there was construction underway along Post Oak Boulevard (Eastbound and Westbound) at I-610.

Trends

- Usage tends to be higher on weekdays (41 users/day) than during weekends (20 users/day).
- On weekdays, usage varies throughout the day. It is highest in the mid-afternoon (2:00 p.m. – 3:00 p.m.). This may be skewed by abnormally high usage on Friday, July 29, when 20 users passed the counter between 2:00 p.m. and 3:00 p.m.
- During weekends, usage is highest in the morning (6:00 a.m. – 7:00 a.m.).

Location Information: Map



Location Information: Photos



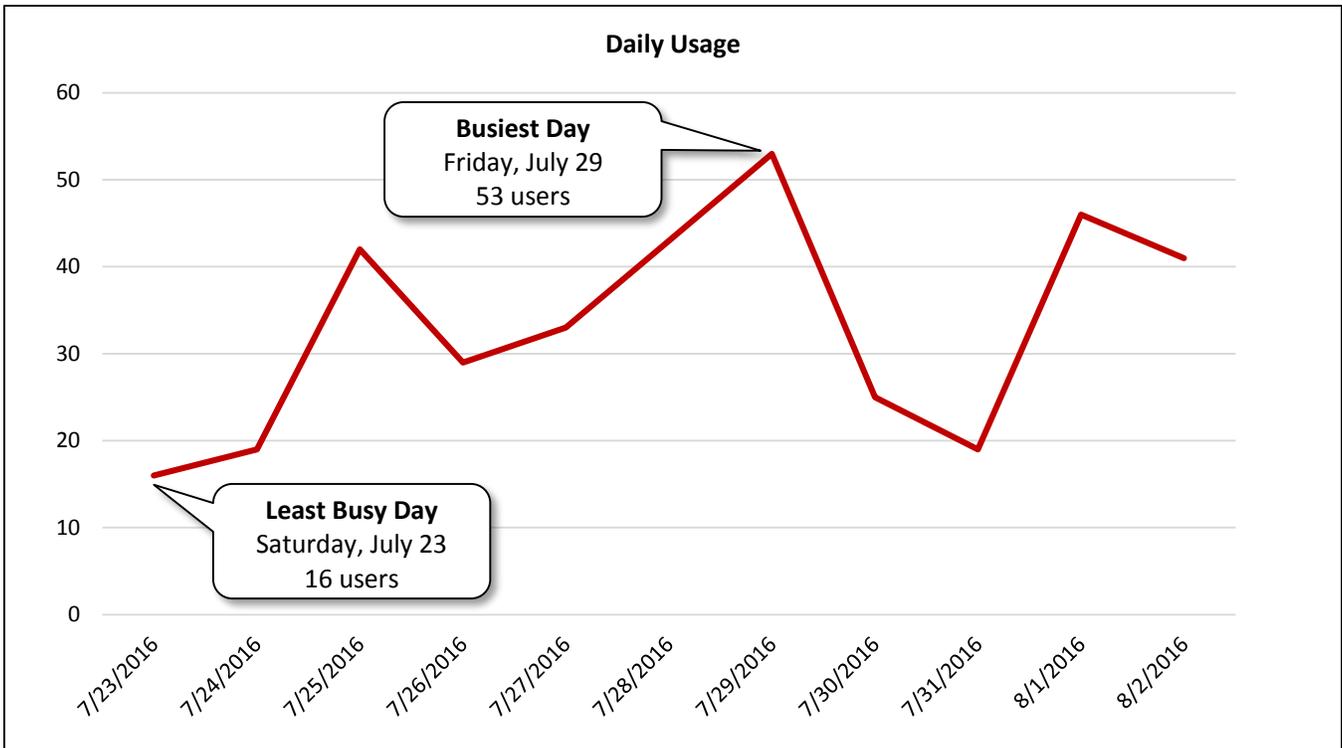
Image 29: Post Oak Boulevard Eastbound (East of I-610)
Facing East



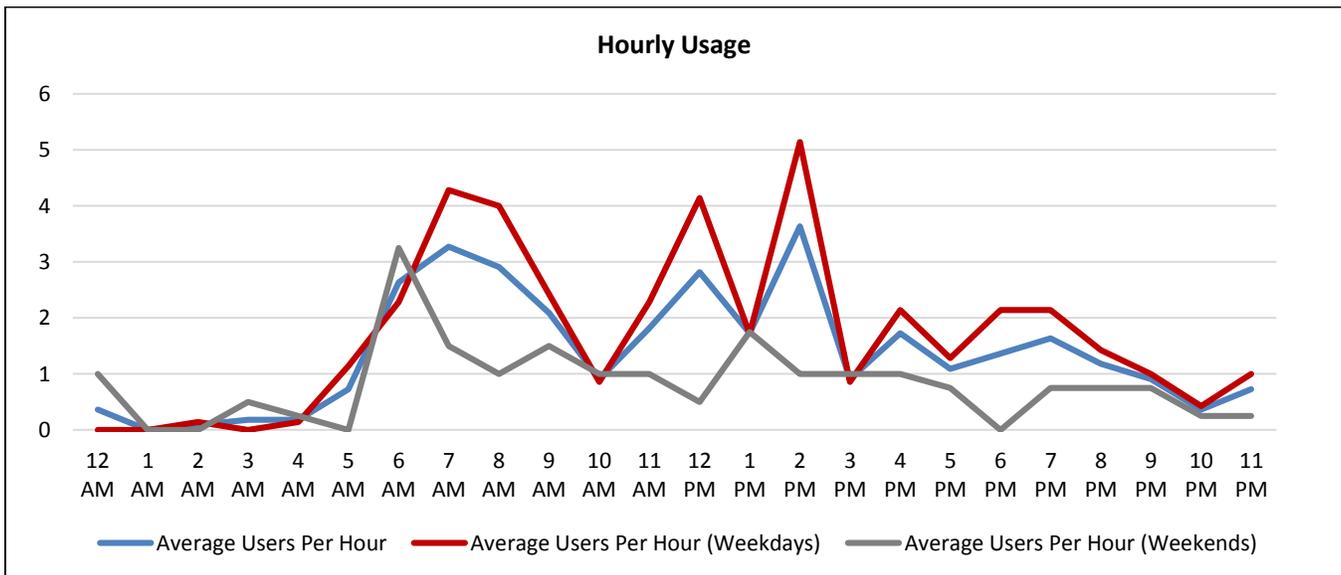
Image 30: Post Oak Boulevard Eastbound (East of I-610)
Facing West

Daily Usage Post Oak Boulevard Eastbound (East of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	16	100	77	0
Sunday, July 24, 2016	19	100	78	0
Monday, July 25, 2016	42	98	77	T
Tuesday, July 26, 2016	29	92	77	T
Wednesday, July 27, 2016	33	85	73	0.22
Thursday, July 28, 2016	43	91	76	0.12
Friday, July 29, 2016	53	96	75	T
Saturday, July 30, 2016	25	98	76	0
Sunday, July 31, 2016	19	96	77	T
Monday, August 1, 2016	46	98	74	0
Tuesday, August 2, 2016	41	99	77	0
Total	366			
Average Daily Usage	33			
Average Daily Usage (Weekday)	41			
Average Daily Usage (Weekend)	20			

*Weather conditions recorded at KHOU.



Hourly Usage Post Oak Boulevard Eastbound (East of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.4	0.0	1.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.1	0.1	0.0
3:00 a.m.	0.2	0.0	0.5
4:00 a.m.	0.2	0.1	0.3
5:00 a.m.	0.7	1.1	0.0
6:00 a.m.	2.6	2.3	3.3
7:00 a.m.	3.3	4.3	1.5
8:00 a.m.	2.9	4.0	1.0
9:00 a.m.	2.1	2.4	1.5
10:00 a.m.	0.9	0.9	1.0
11:00 a.m.	1.8	2.3	1.0
12:00 p.m.	2.8	4.1	0.5
1:00 p.m.	1.7	1.7	1.8
2:00 p.m.	3.6	5.1	1.0
3:00 p.m.	0.9	0.9	1.0
4:00 p.m.	1.7	2.1	1.0
5:00 p.m.	1.1	1.3	0.8
6:00 p.m.	1.4	2.1	0.0
7:00 p.m.	1.6	2.1	0.8
8:00 p.m.	1.2	1.4	0.8
9:00 p.m.	0.9	1.0	0.8
10:00 p.m.	0.4	0.4	0.3
11:00 p.m.	0.7	1.0	0.3



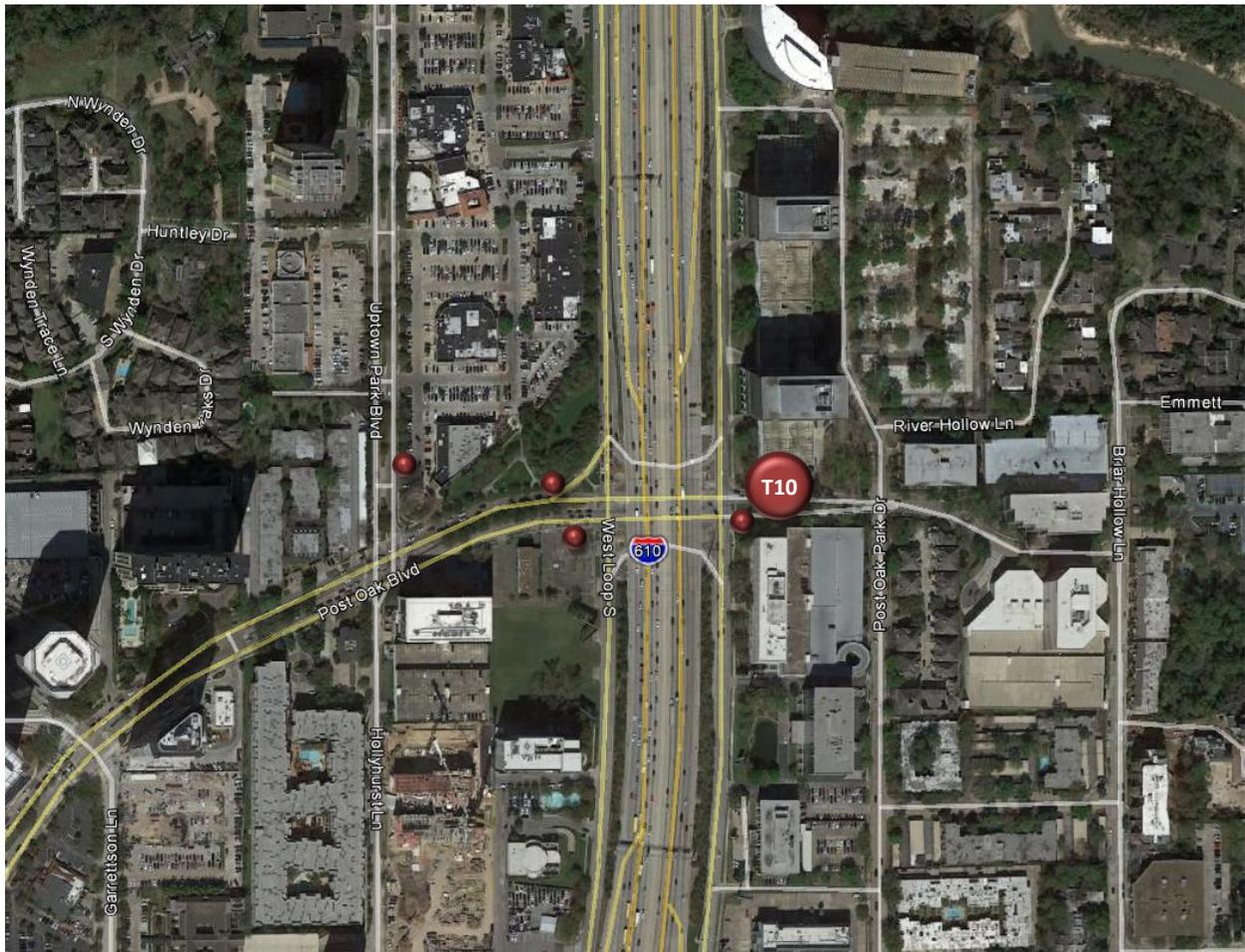
Counter T10

Post Oak Boulevard Westbound (East of I-610)

Location Information		
Location Name	Post Oak Boulevard Westbound (East of I-610)	
Location Description	Informal Dirt Path along Post Oak Boulevard Eastbound East of I-610 (Note: No pedestrian facilities present at this location)	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'15.25"N, 95°27'16.68"W	
Surrounding Land Uses	North	Office
	South	Office
	East	Office, Multi-Family Residential
	West	I-610, Office, Park/Open Space, Commercial/Retail
What object was device secured to?	Sign Post (Lane Markers)	
Sidewalk Width	N/A (No Pedestrian Facilities Present)	
Buffer Width	N/A (No Pedestrian Facilities Present)	
Street Width	Four-Lane Divided Roadway	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Dirt Path (No Pedestrian Facilities Present)	
ADA Ramps	N/A (No Pedestrian Facilities Present)	
Sidewalk Condition	N/A (No Pedestrian Facilities Present)	
Speed Limit	35 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	Not Available	
Transit	Yes (METRO Bus Stop 150' East at Post Oak Boulevard/Post Oak Park Drive)	
Shade	Intermittent	
Have counts been collected by H-GAC at this location before?	No	
Notes	During the deployment period, there was construction underway along Post Oak Boulevard (Eastbound and Westbound) at I-610.	
	There are no pedestrian facilities present at Counter T10, only an informal dirt path. A sidewalk is located on the opposite side of Post Oak Boulevard (see Counter T9).	

Trends
<ul style="list-style-type: none"> • There are no pedestrian facilities present at Counter T1, and pedestrian activity is low. • Usage tends to be higher on weekdays (9 users/day) than during weekends (1 user/day). • On weekdays, usage is highest midday (11:00 a.m. – 1:00 p.m.). There was particularly high usage on Mondays during that period. • During weekends, usage is low throughout the day.

Location Information: Map



Location Information: Photos



Image 31: Post Oak Boulevard Westbound (East of I-610)
Facing East

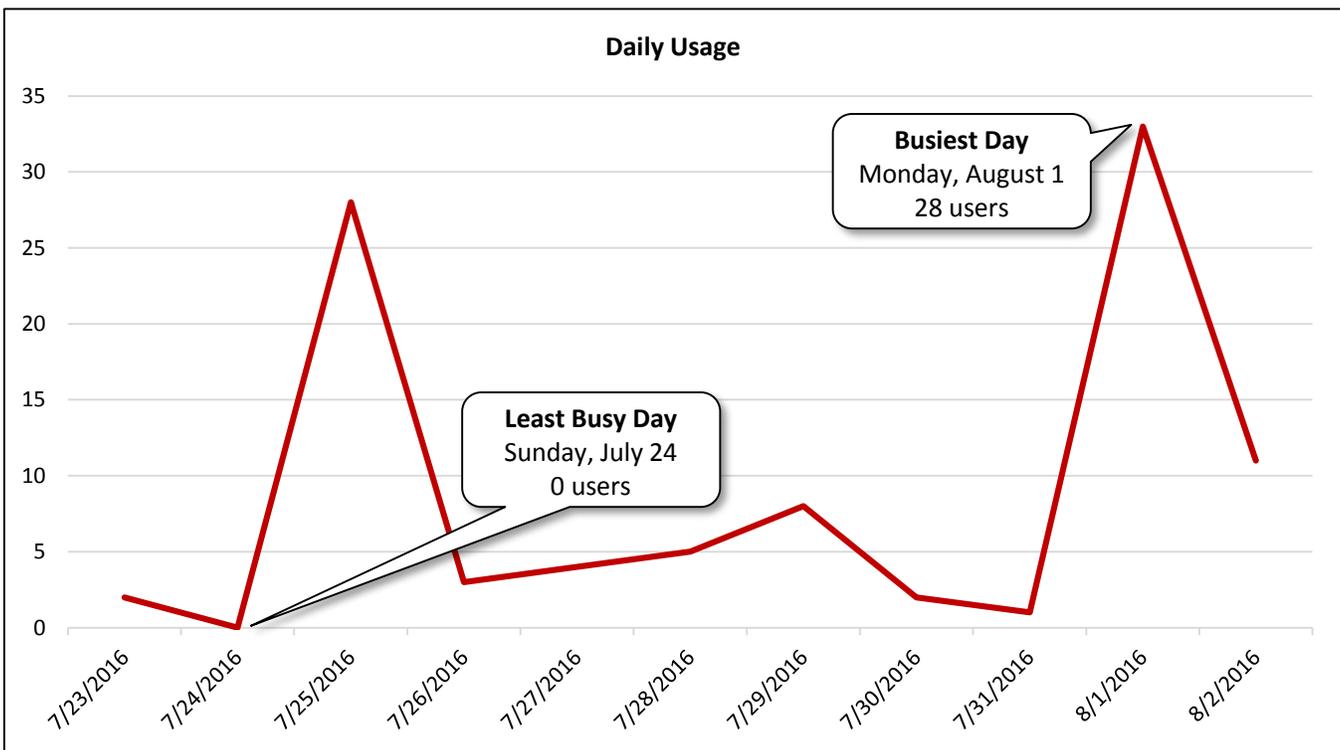


Image 32: Post Oak Boulevard Westbound (East of I-610)
Facing West

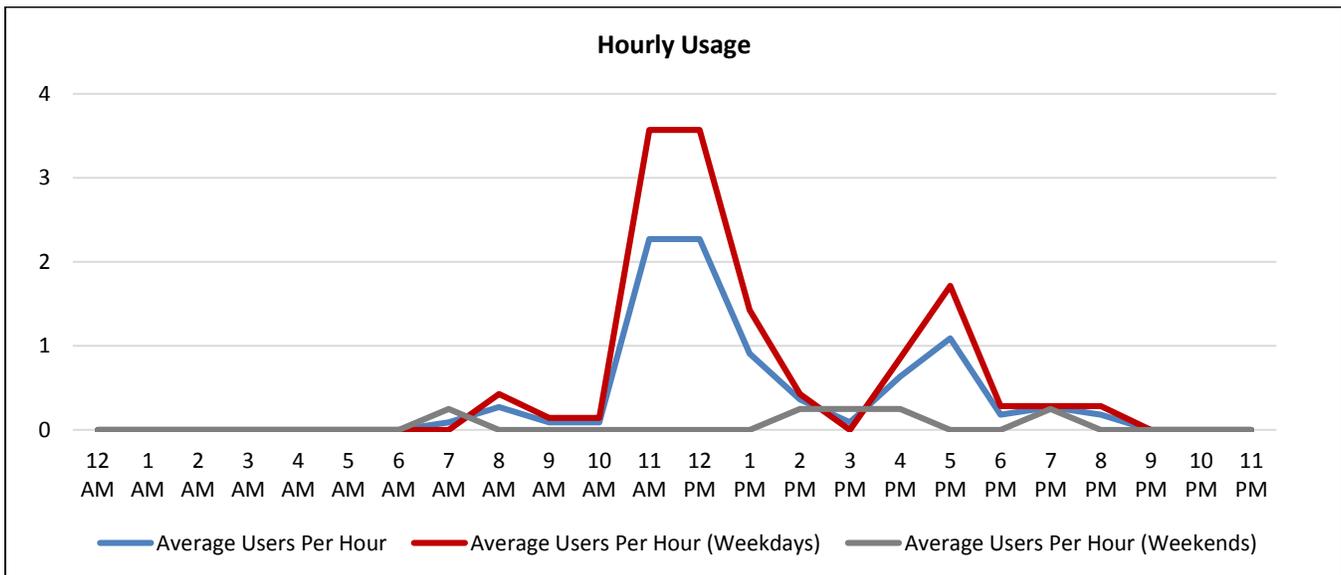
Daily Usage Post Oak Boulevard Westbound (East of I-610)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	2	100	77	0
Sunday, July 24, 2016	0	100	78	0
Monday, July 25, 2016	28	98	77	T
Tuesday, July 26, 2016	3	92	77	T
Wednesday, July 27, 2016	4	85	73	0.22
Thursday, July 28, 2016	5	91	76	0.12
Friday, July 29, 2016	8	96	75	T
Saturday, July 30, 2016	2	98	76	0
Sunday, July 31, 2016	1	96	77	T
Monday, August 1, 2016	33	98	74	0
Tuesday, August 2, 2016	11	99	77	0
Saturday, July 23, 2016	2	100	77	0
Total	97			
Average Daily Usage	9			
Average Daily Usage (Weekday)	9			
Average Daily Usage (Weekend)	1			

Notes	
There are no pedestrian facilities present at Counter T10, only an informal dirt path.	

*Weather conditions recorded at KHOU.



Hourly Usage Post Oak Boulevard Westbound (East of I-610)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.0	0.0	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.0	0.0	0.0
5:00 a.m.	0.0	0.0	0.0
6:00 a.m.	0.0	0.0	0.0
7:00 a.m.	0.1	0.0	0.3
8:00 a.m.	0.3	0.4	0.0
9:00 a.m.	0.1	0.1	0.0
10:00 a.m.	0.1	0.1	0.0
11:00 a.m.	2.3	3.6	0.0
12:00 p.m.	2.3	3.6	0.0
1:00 p.m.	0.9	1.4	0.0
2:00 p.m.	0.4	0.4	0.3
3:00 p.m.	0.1	0.0	0.3
4:00 p.m.	0.6	0.9	0.3
5:00 p.m.	1.1	1.7	0.0
6:00 p.m.	0.2	0.3	0.0
7:00 p.m.	0.3	0.3	0.3
8:00 p.m.	0.2	0.3	0.0
9:00 p.m.	0.0	0.0	0.0
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.0	0.0	0.0



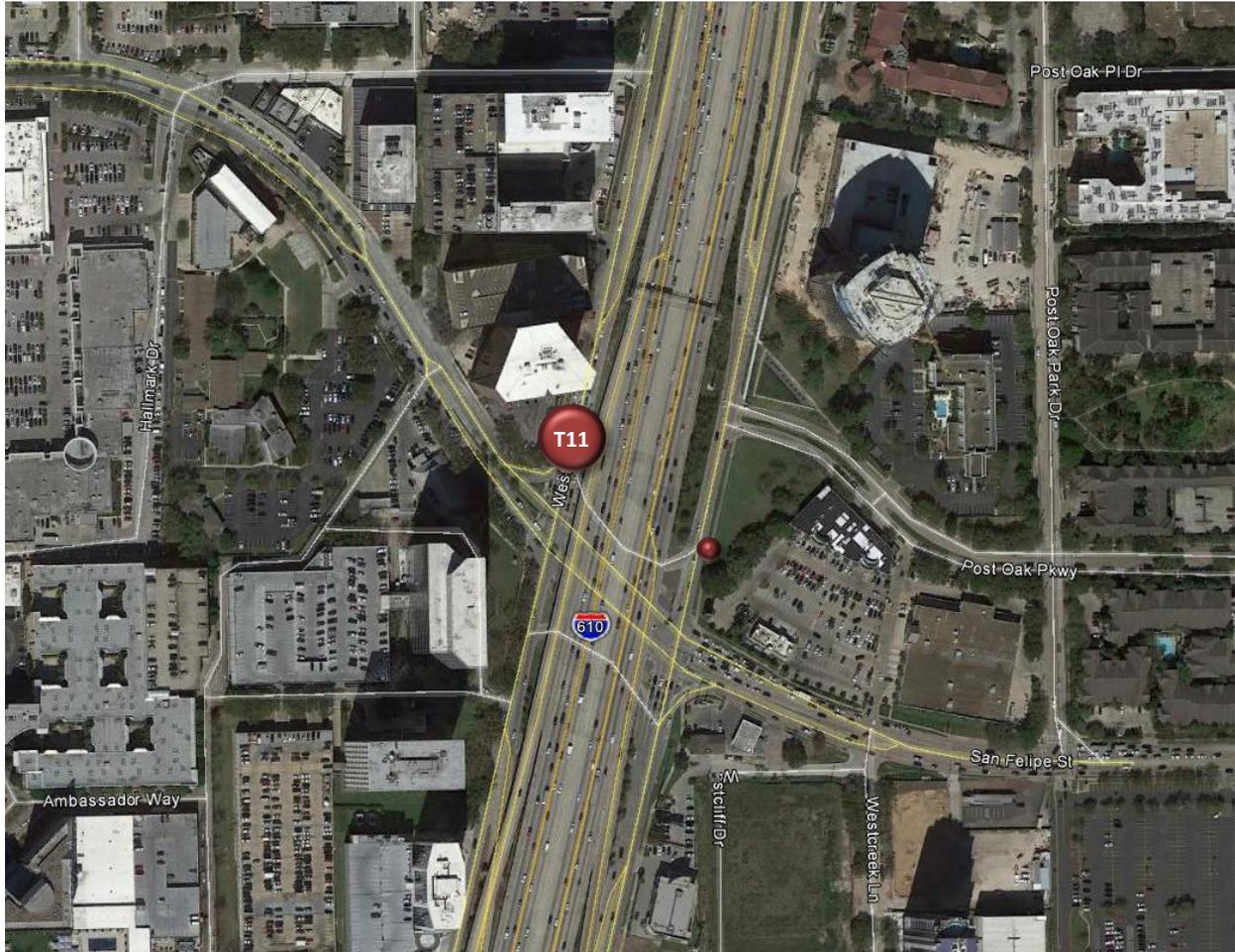
Counter T11

I-610 Southbound Frontage Road (North of San Felipe Street)

Location Information		
Location Name	I-610 Southbound Frontage Road (North of San Felipe Street)	
Location Description	Sidewalk along I-610 Southbound Frontage Road North of San Felipe Street	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°44'54.65"N, 95°27'24.56"W	
Surrounding Land Uses	North	Office, Hotel
	South	Office
	East	I-610, Commercial/Retail, Office, Hotel, Vacant Land
	West	Office, Institutional (Church), Commercial/Retail
What object was device secured to?	Sign Post (Wrong Way)	
Sidewalk Width	4'	
Buffer Width	9'	
Street Width	Three-Lane, One-Way Frontage Road	
Parallel Parking	No	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good (Minor Unevenness)	
Speed Limit	45 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	Not Available	
Transit	No	
Shade	Intermittent	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Usage tends to be much higher on weekdays (118 users/day) than during weekends (22 users/day). • On weekdays, usage is highest in the morning (6:00 a.m. – 7:00 a.m.). • During weekends, usage peaks in the morning (6:00 a.m. – 7:00 a.m.) and in the evening (6:00 p.m. – 7:00 p.m.).

Location Information: Map



Location Information: Photos



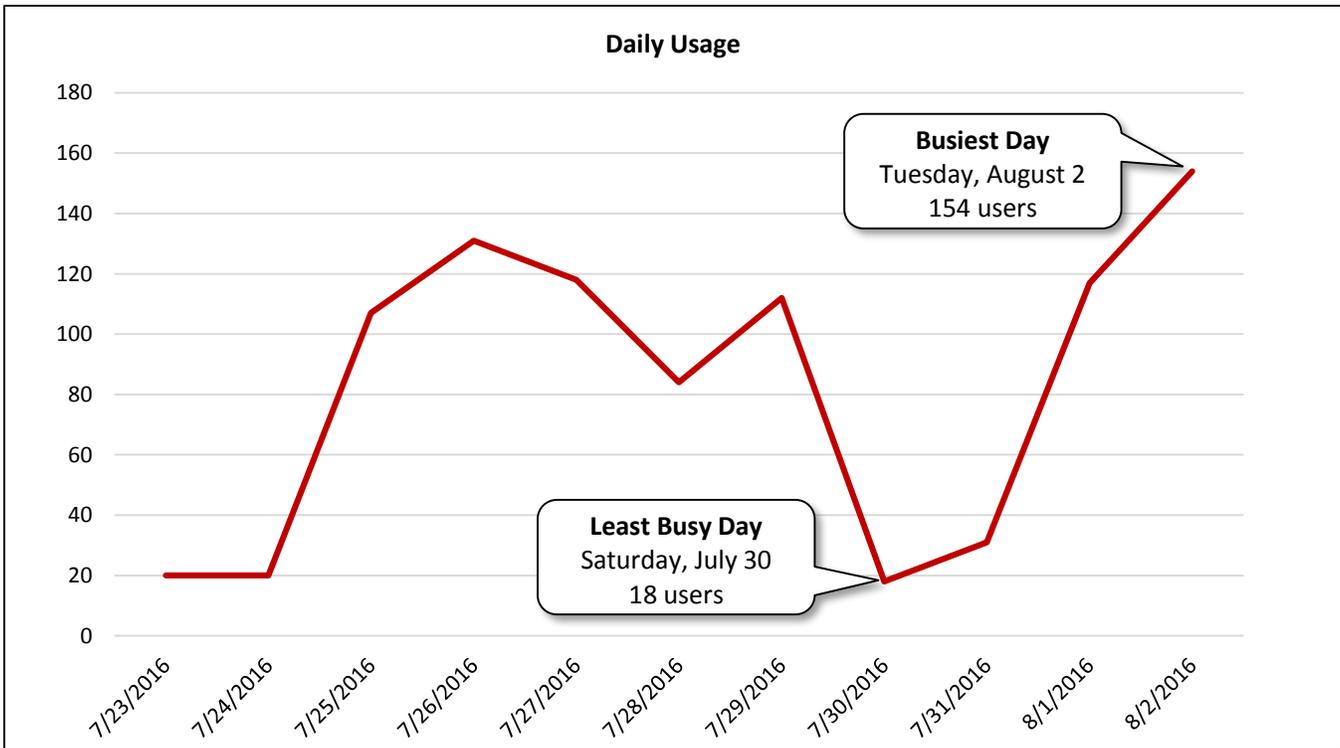
Image 33: I-610 Southbound Frontage Road (North of San Felipe Street) Facing North



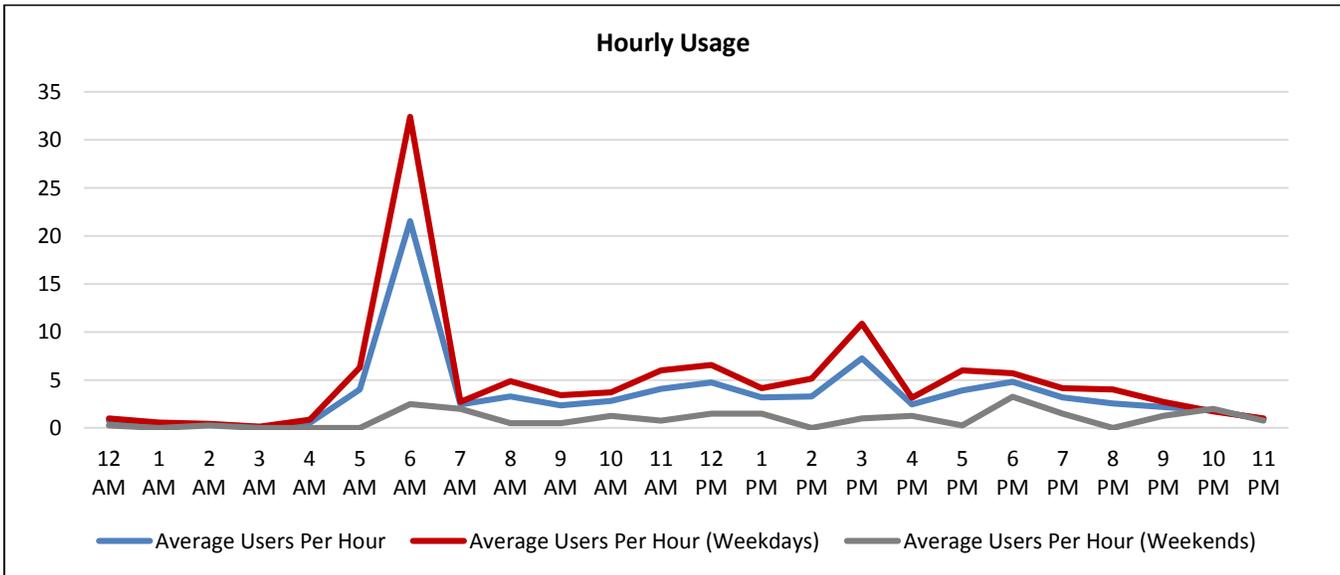
Image 34: I-610 Southbound Frontage Road (North of San Felipe Street) Facing South

Daily Usage				
I-610 Southbound Frontage Road (North of San Felipe Street)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	20	100	77	0
Sunday, July 24, 2016	20	100	78	0
Monday, July 25, 2016	107	98	77	T
Tuesday, July 26, 2016	131	92	77	T
Wednesday, July 27, 2016	118	85	73	0.22
Thursday, July 28, 2016	84	91	76	0.12
Friday, July 29, 2016	112	96	75	T
Saturday, July 30, 2016	18	98	76	0
Sunday, July 31, 2016	31	96	77	T
Monday, August 1, 2016	117	98	74	0
Tuesday, August 2, 2016	154	99	77	0
Total	912			
Average Daily Usage	83			
Average Daily Usage (Weekday)	118			
Average Daily Usage (Weekend)	22			

*Weather conditions recorded at KHOU.



Hourly Usage I-610 Southbound Frontage Road (North of San Felipe Street)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.7	1.0	0.3
1:00 a.m.	0.4	0.6	0.0
2:00 a.m.	0.4	0.4	0.3
3:00 a.m.	0.1	0.1	0.0
4:00 a.m.	0.5	0.9	0.0
5:00 a.m.	4.0	6.3	0.0
6:00 a.m.	21.5	32.4	2.5
7:00 a.m.	2.5	2.7	2.0
8:00 a.m.	3.3	4.9	0.5
9:00 a.m.	2.4	3.4	0.5
10:00 a.m.	2.8	3.7	1.3
11:00 a.m.	4.1	6.0	0.8
12:00 p.m.	4.7	6.6	1.5
1:00 p.m.	3.2	4.1	1.5
2:00 p.m.	3.3	5.1	0.0
3:00 p.m.	7.3	10.9	1.0
4:00 p.m.	2.5	3.1	1.3
5:00 p.m.	3.9	6.0	0.3
6:00 p.m.	4.8	5.7	3.3
7:00 p.m.	3.2	4.1	1.5
8:00 p.m.	2.5	4.0	0.0
9:00 p.m.	2.2	2.7	1.3
10:00 p.m.	1.8	1.7	2.0
11:00 p.m.	0.9	1.0	0.8



Counter T12

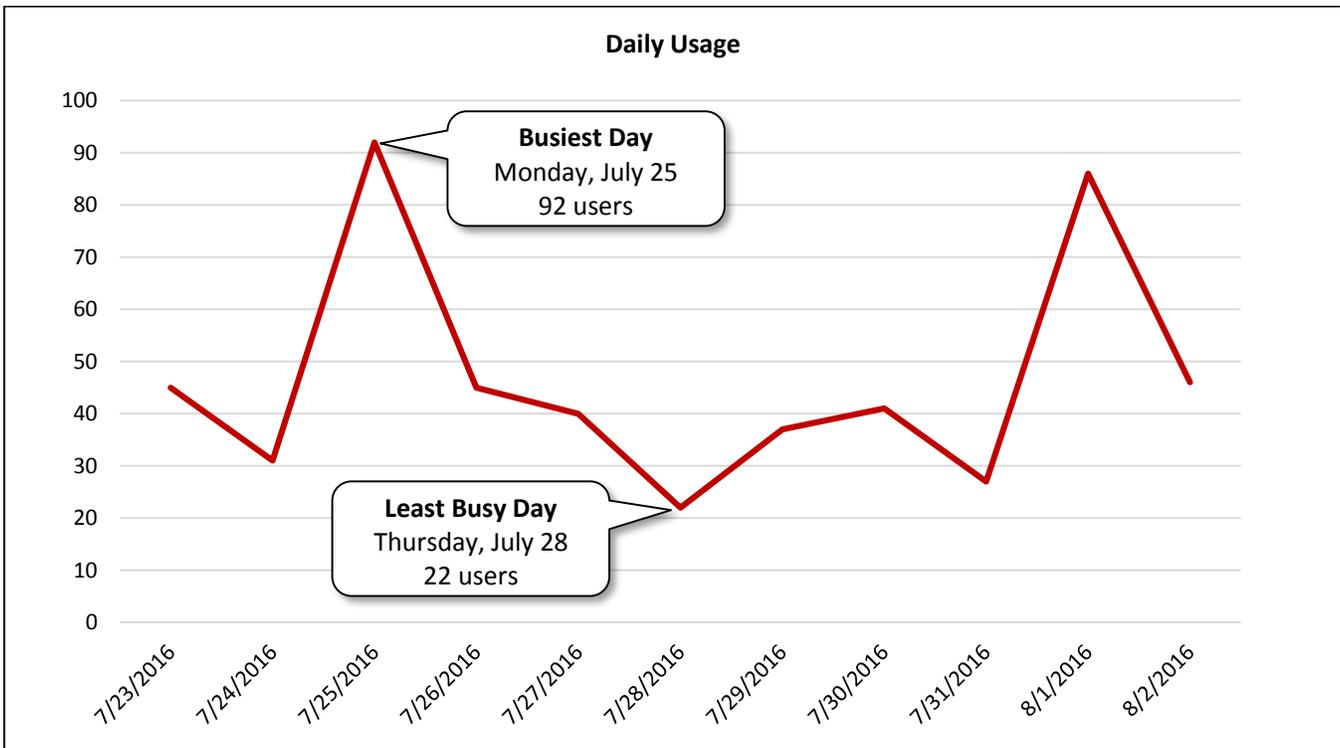
I-610 Northbound Frontage Road (North of San Felipe Street)

Location Information		
Location Name	I-610 Northbound Frontage Road (North of San Felipe Street)	
Location Description	Sidewalk along I-610 Northbound Frontage Road North of San Felipe Street	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°44'51.75"N, 95°27'21.53"W	
Surrounding Land Uses	North	Open Space, Office, Hotel
	South	Commercial/Retail, Vacant Land, Office
	East	Office, Commercial/Retail, Hotel, Multi-Family Residential
	West	I-610, Office, Institutional (Church)
What object was device secured to?	Sign Post (One Way)	
Sidewalk Width	6'	
Buffer Width	6'	
Street Width	Three-Lane, One-Way Frontage Road	
Parallel Parking	No	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	45 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	Not Available	
Transit	No	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	

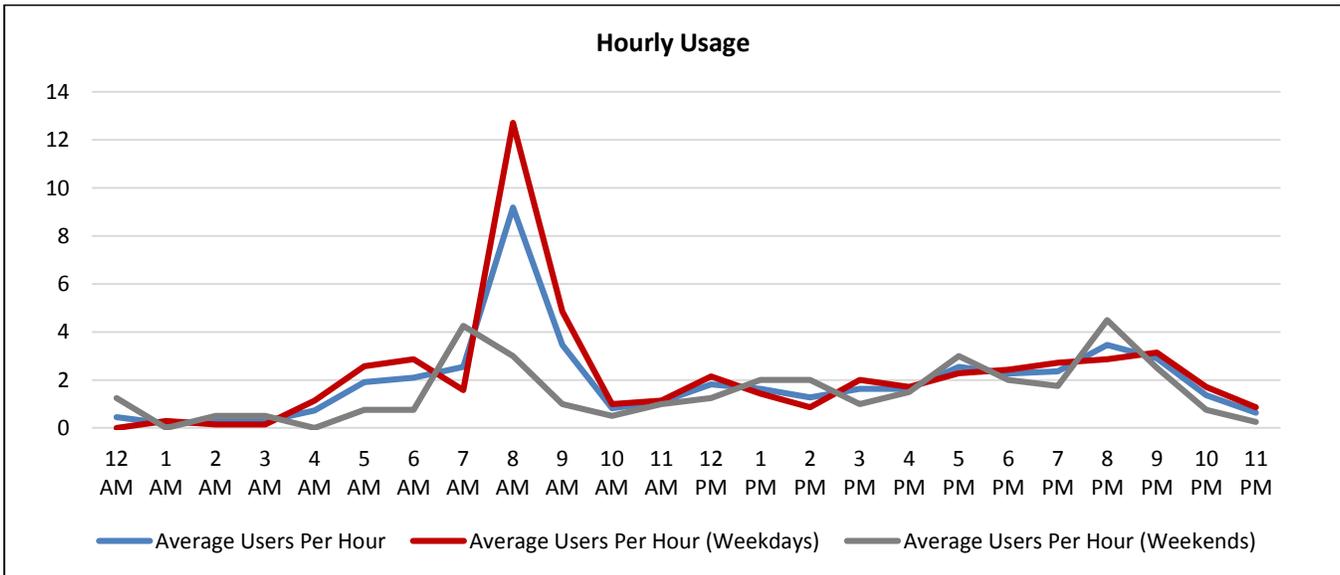
Trends
<ul style="list-style-type: none"> Usage tends to be higher on weekdays (53 users/day) than during weekends (36 users/day). On weekdays, usage is highest in the morning (8:00 a.m. – 9:00 a.m.). There was particularly high usage on Mondays during that period. During weekends, usage peaks in the morning (7:00 a.m. – 8:00 a.m.) and late in the evening (8:00 p.m. – 9:00 p.m.).

Daily Usage				
I-610 Northbound Frontage Road (North of San Felipe Street)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	45	100	77	0
Sunday, July 24, 2016	31	100	78	0
Monday, July 25, 2016	92	98	77	T
Tuesday, July 26, 2016	45	92	77	T
Wednesday, July 27, 2016	40	85	73	0.22
Thursday, July 28, 2016	22	91	76	0.12
Friday, July 29, 2016	37	96	75	T
Saturday, July 30, 2016	41	98	76	0
Sunday, July 31, 2016	27	96	77	T
Monday, August 1, 2016	86	98	74	0
Tuesday, August 2, 2016	46	99	77	0
Saturday, July 23, 2016	45	100	77	0
Total	512			
Average Daily Usage	47			
Average Daily Usage (Weekday)	53			
Average Daily Usage (Weekend)	36			

*Weather conditions recorded at KHOU.



Hourly Usage I-610 Northbound Frontage Road (North of San Felipe Street)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.5	0.0	1.3
1:00 a.m.	0.2	0.3	0.0
2:00 a.m.	0.3	0.1	0.5
3:00 a.m.	0.3	0.1	0.5
4:00 a.m.	0.7	1.1	0.0
5:00 a.m.	1.9	2.6	0.8
6:00 a.m.	2.1	2.9	0.8
7:00 a.m.	2.5	1.6	4.3
8:00 a.m.	9.2	12.7	3.0
9:00 a.m.	3.5	4.9	1.0
10:00 a.m.	0.8	1.0	0.5
11:00 a.m.	1.1	1.1	1.0
12:00 p.m.	1.8	2.1	1.3
1:00 p.m.	1.6	1.4	2.0
2:00 p.m.	1.3	0.9	2.0
3:00 p.m.	1.6	2.0	1.0
4:00 p.m.	1.6	1.7	1.5
5:00 p.m.	2.5	2.3	3.0
6:00 p.m.	2.3	2.4	2.0
7:00 p.m.	2.4	2.7	1.8
8:00 p.m.	3.5	2.9	4.5
9:00 p.m.	2.9	3.1	2.5
10:00 p.m.	1.4	1.7	0.8
11:00 p.m.	0.6	0.9	0.3



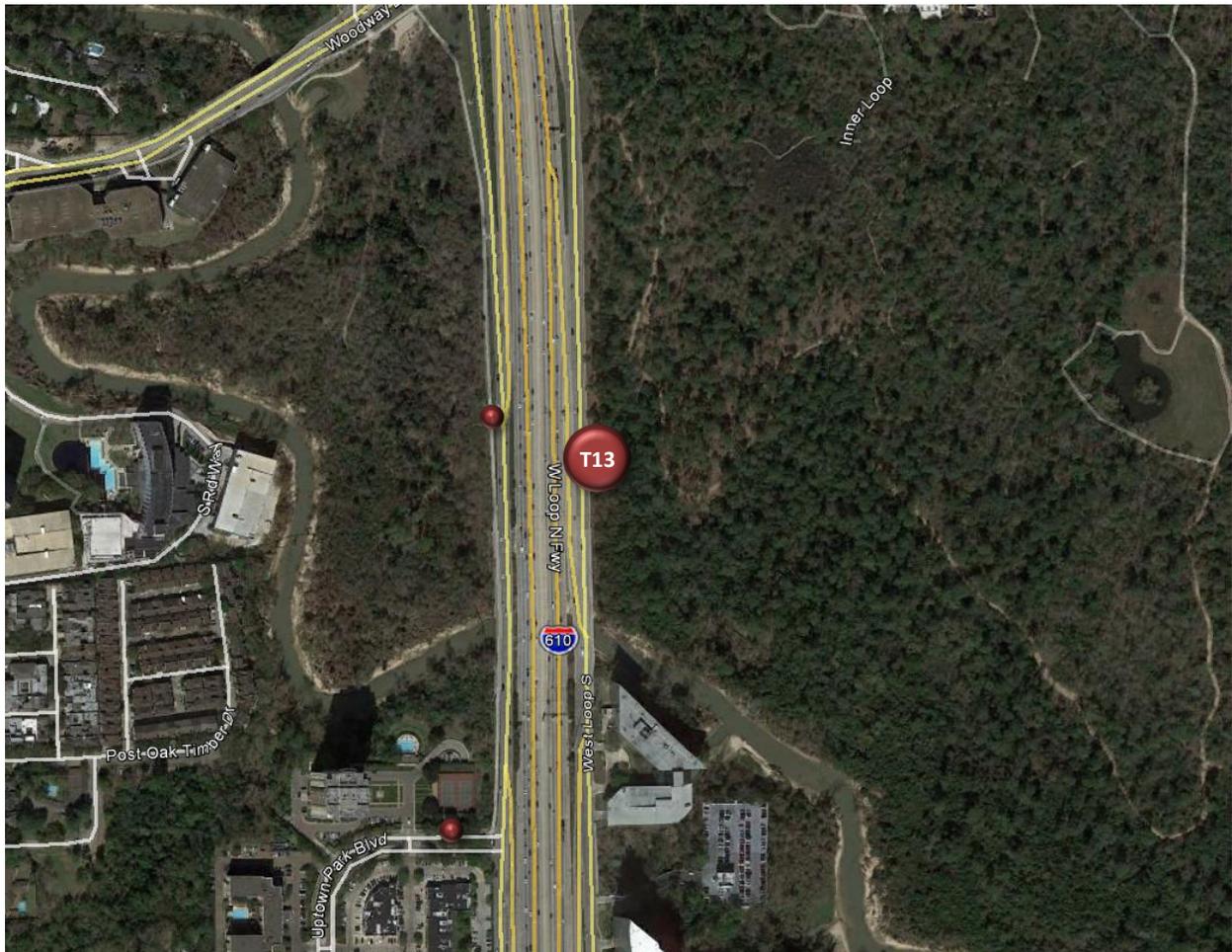
Counter T13

I-610 Northbound Frontage Road (North of Buffalo Bayou)

Location Information		
Location Name	I-610 Northbound Frontage Road (North of Buffalo Bayou)	
Location Description	Sidewalk along I-610 Northbound Frontage Road North of Buffalo Bayou	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council/Texas Transportation Institute	
GPS Coordinates	29°45'41.72"N, 95°27'18.82"W	
Surrounding Land Uses	North	Memorial Park
	South	Memorial Park, Office
	East	Memorial Park
	West	I-610, Memorial Park
What object was device secured to?	Railing between Sidewalk and I-610 Northbound Frontage Road	
Sidewalk Width	5'	
Buffer Width	2.5' (including railing and significant grade change)	
Street Width	Three-Lane, One-Way Frontage Road	
Parallel Parking	No	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	45 miles per hour	
Street Lighting	Yes	
Street Traffic Volume	Not Available	
Transit	No	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> Usage tends to be much higher during weekends (59 users/day) than on weekdays (23 users/day). On weekdays, usage is highest in the evening (6:00 p.m. – 7:00 p.m.). During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.). Usage was particularly high between 7:00 a.m. and 8:00 a.m. on Saturday, July 23, when 82 people passed the counter.

Location Information: Map



Location Information: Photos



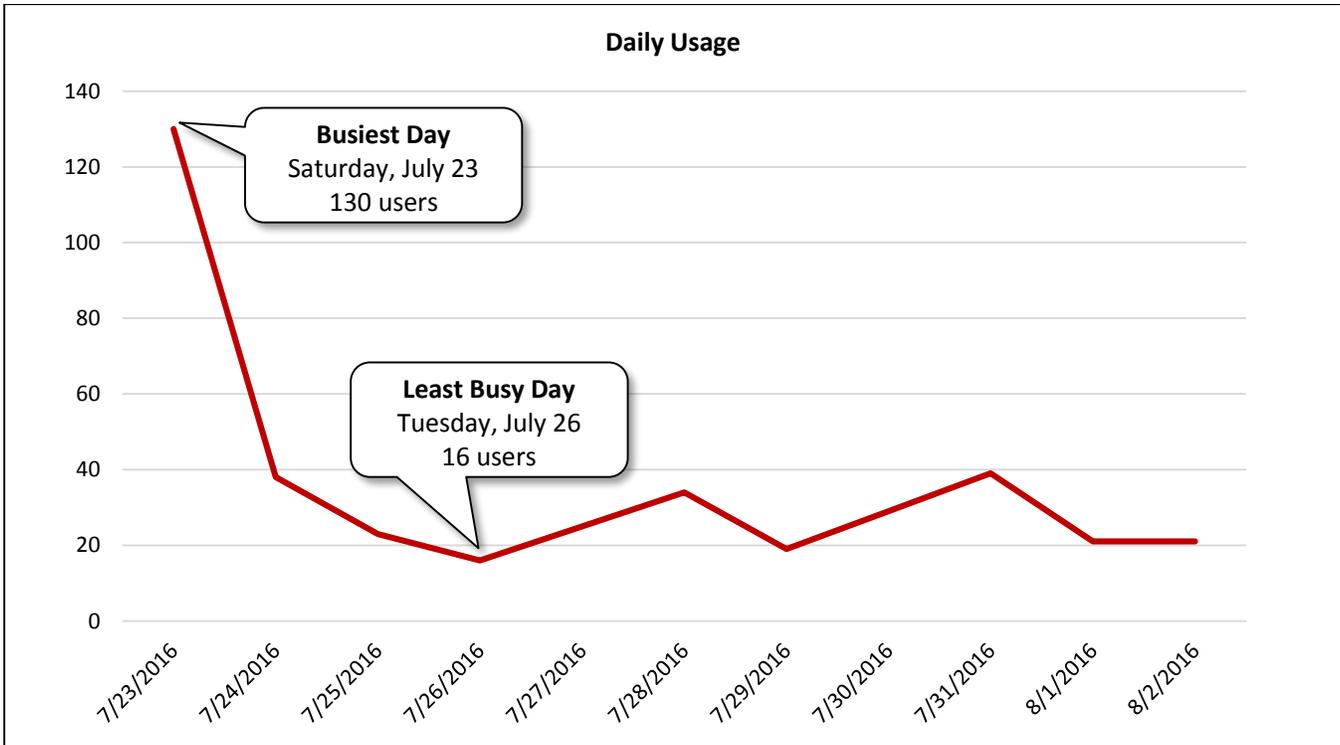
Image 37: I-610 Northbound Frontage Road (North of Buffalo Bayou) Facing North



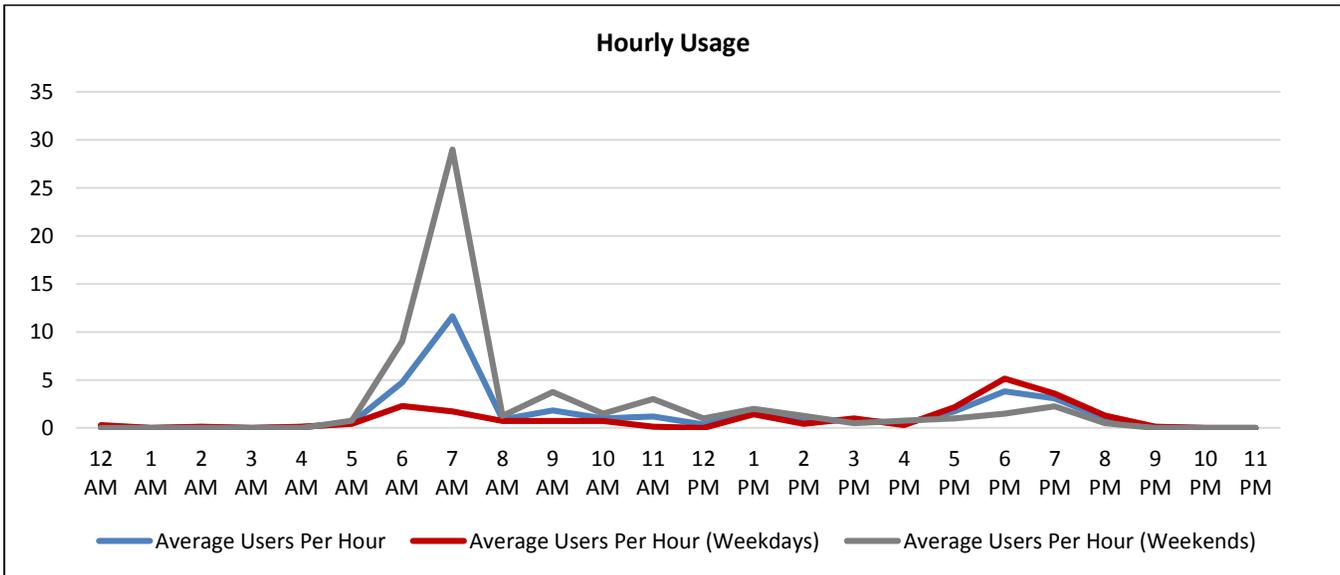
Image 38: I-610 Northbound Frontage Road (North of Buffalo Bayou) Facing South

Daily Usage I-610 Northbound Frontage Road (North of Buffalo Bayou)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Saturday, July 23, 2016	130	100	77	0
Sunday, July 24, 2016	38	100	78	0
Monday, July 25, 2016	23	98	77	T
Tuesday, July 26, 2016	16	92	77	T
Wednesday, July 27, 2016	25	85	73	0.22
Thursday, July 28, 2016	34	91	76	0.12
Friday, July 29, 2016	19	96	75	T
Saturday, July 30, 2016	29	98	76	0
Sunday, July 31, 2016	39	96	77	T
Monday, August 1, 2016	21	98	74	0
Tuesday, August 2, 2016	21	99	77	0
Total	395			
Average Daily Usage	36			
Average Daily Usage (Weekday)	23			
Average Daily Usage (Weekend)	59			

*Weather conditions recorded at KHOU.



Hourly Usage I-610 Northbound Frontage Road (North of Buffalo Bayou)			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.2	0.3	0.0
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.1	0.1	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.1	0.1	0.0
5:00 a.m.	0.5	0.4	0.8
6:00 a.m.	4.7	2.3	9.0
7:00 a.m.	11.6	1.7	29.0
8:00 a.m.	0.9	0.7	1.3
9:00 a.m.	1.8	0.7	3.8
10:00 a.m.	1.0	0.7	1.5
11:00 a.m.	1.2	0.1	3.0
12:00 p.m.	0.4	0.0	1.0
1:00 p.m.	1.6	1.4	2.0
2:00 p.m.	0.7	0.4	1.3
3:00 p.m.	0.8	1.0	0.5
4:00 p.m.	0.5	0.3	0.8
5:00 p.m.	1.7	2.1	1.0
6:00 p.m.	3.8	5.1	1.5
7:00 p.m.	3.1	3.6	2.3
8:00 p.m.	1.0	1.3	0.5
9:00 p.m.	0.1	0.1	0.0
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.0	0.0	0.0



Participants

Houston-Galveston Area Council: Pedestrian-Bicyclist Planning
www.h-gac.com/go/pedbike

Texas Transportation Institute
<http://tti.tamu.edu/>