

## HOUSTON-GALVESTON AREA COUNCIL



### Temporary Pedestrian/Bicycle Counters Data Summary

Deployment Summary	
Sponsoring Agency	City of Sugar Land
Deployment Period	Friday, April 29, 2016 – Sunday, May 22, 2016
Number of Counters Deployed	8
Facility Description	Sidewalks in Sugar Land Town Center
Locations Deployed (Houston-Galveston Area Council)	
Counter #1	Town Center Boulevard Southbound at Texas Drive
Counter #2	Town Center Boulevard Northbound at Texas Drive
Counter #3	Town Center Boulevard Southbound at Mall Ring Road
Counter #4	Town Center Boulevard Northbound at Mall Ring Road
Counter #5	Lexington Boulevard Southbound South of State Highway 6
Counter #6	Lexington Boulevard Northbound South of State Highway 6
Counter #7	Lexington Boulevard Southbound at Mall Ring Road North
Locations Deployed (Texas Transportation Institute)	
Counter A	Lexington Boulevard Northbound at Mall Ring Road North

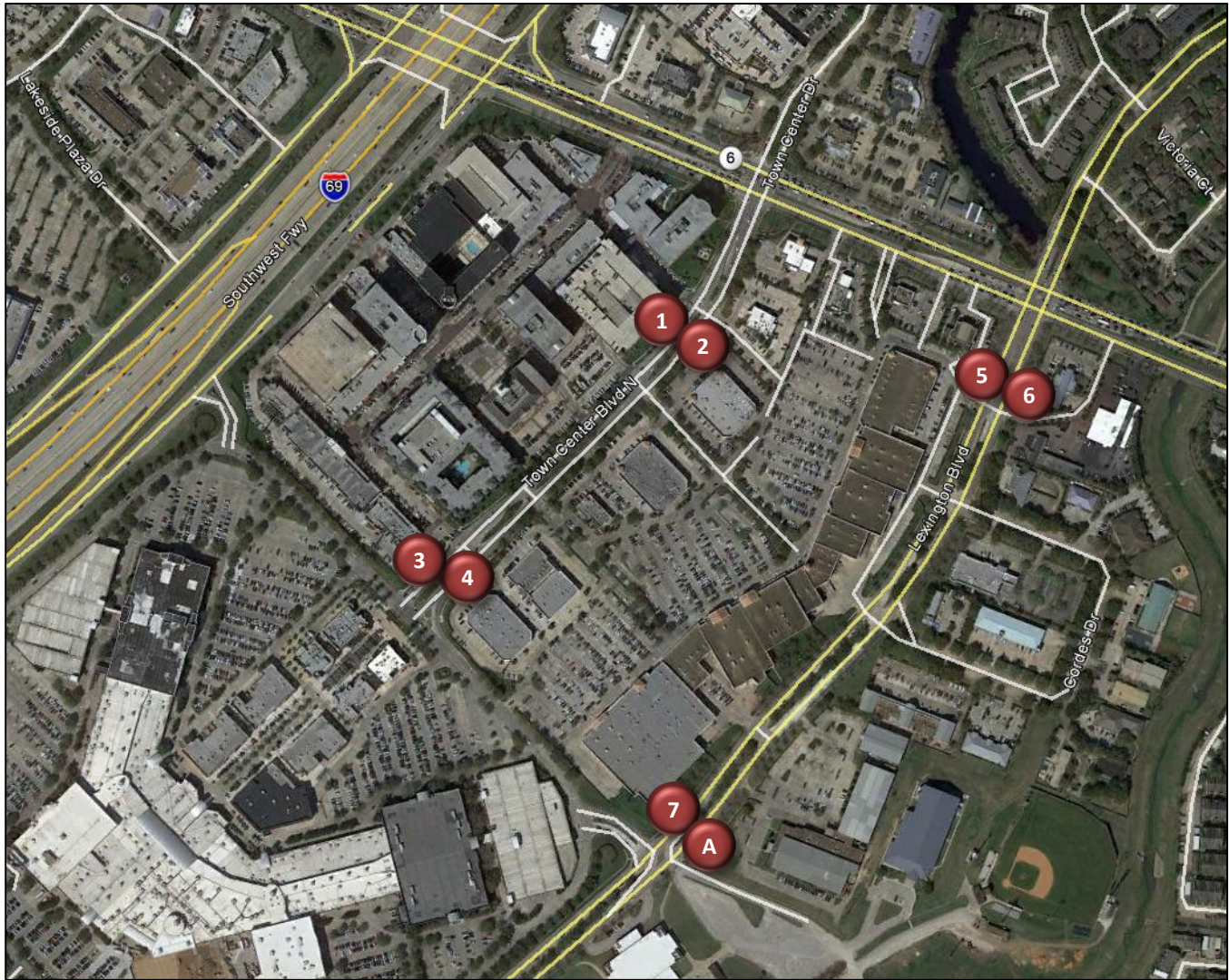
#### About the Temporary Pedestrian/Bicycle Counters

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

Sidewalks in Sugar Land Town Center



Counter	Location	Total Users	Average Daily Usage
1	Town Center Boulevard Southbound at Texas Drive	2,602	108
2	Town Center Boulevard Northbound at Texas Drive	1,166	49
3	Town Center Boulevard Southbound at Mall Ring Road	N/A*	N/A
4	Town Center Boulevard Northbound at Mall Ring Road	6,431 <sup>†</sup>	268
5	Lexington Boulevard Southbound South of State Highway 6	236	10
6	Lexington Boulevard Northbound South of State Highway 6	462	19
7	Lexington Boulevard Southbound at Mall Ring Road North	388	16
A	Lexington Boulevard Northbound at Mall Ring Road North	324 <sup>‡</sup>	14

\* Counter #3 malfunctioned and did not collect data during the deployment period.

<sup>†</sup> There was extremely high usage at Counter #4 on Sunday, May 22 (5,551 users). If data from that date is excluded, average daily usage was 38.

<sup>‡</sup> Counter A did not accurately count users on Sunday, May 22, so data from that date was excluded.

## Overall Trends

- *Usage Higher along Town Center Boulevard than Lexington Boulevard*  
Sidewalks along Town Center Boulevard had much higher pedestrian and bicycle traffic than sidewalks along Lexington Boulevard.
- *Lexington Boulevard: Usage Similar on Weekdays and Weekends*  
Along Lexington Boulevard, there is not a significant variation in usage between weekdays and weekends. Along Town Center Boulevard, usage was higher during weekends at two of the three locations where data was collected.
- *Unusually High Usage along Town Center Boulevard Northbound on Sunday, May 22*  
On Sunday, May 22, there was unusually high pedestrian and bicycle traffic along sidewalks adjacent to Town Center Boulevard Northbound. Usage at Counter #2 and Counter #4 was much higher than average. At Counter #2, usage was high early in the day (12:00 a.m. – 10:00 a.m.) and during the late afternoon (3:00 p.m. – 5:00 p.m.). At Counter #4, usage was extremely high in the afternoon and evening (2:00 p.m. – 8:00 p.m.). Per the City of Sugar Land, no special events were held in the area that day.



Sugar Land Town Center is a vibrant, mixed-use area that includes offices, restaurants, shops, apartments, a hotel, and Sugar Land City Hall. Residents and visitors can be seen walking along local streets.

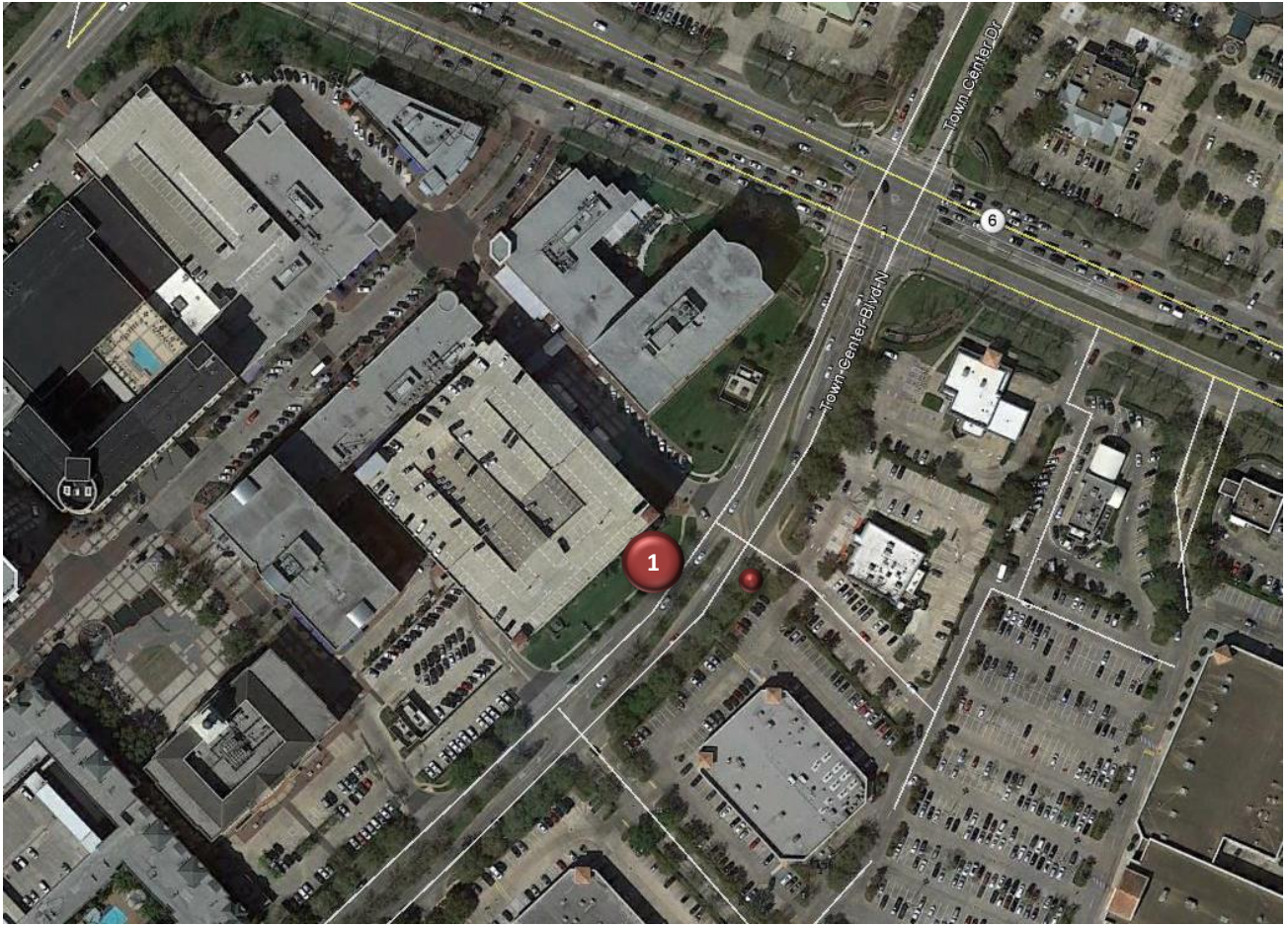
**Counter #1**

Town Center Boulevard Southbound at Texas Drive

Location Information		
Location Name	Town Center Boulevard Southbound at Texas Drive	
Location Description	Sidewalk along Town Center Boulevard Southbound South of Texas Drive	
Jurisdiction	City of Sugar Land	
Agency Deployed	City of Sugar Land	
GPS Coordinates	29°35'45.09"N, 95°37'12.56"W	
Surrounding Land Uses	North	Commercial/Retail
	South	Commercial/Retail, Office, Institutional (Sugar Land City Hall), Multi-Family Residential
	East	Commercial/Retail
	West	Commercial/Retail, Office
What object was device secured to?	Third Tree South of Texas Drive	
Sidewalk Width	4'	
Buffer Width	10'	
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	Intermittent	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> <li>• Daily usage tends to be at similar levels on weekdays (109 users/day) and during weekends (107 users/day).</li> <li>• On weekdays, usage is highest midday (12:00 p.m. – 1:00 p.m.) and in the evenings (7:00 p.m. – 9:00 p.m.).</li> <li>• During weekends, usage is highest in the evenings (7:00 p.m. – 9:00 p.m.).</li> <li>• Rain seems to have an impact on usage. The three days that experienced 1” or more of rainfall had the least usage.</li> </ul>

**Location Information: Map**



**Location Information: Photos**



Image 1: Sidewalk along Town Center Boulevard Southbound at Texas Drive Facing North



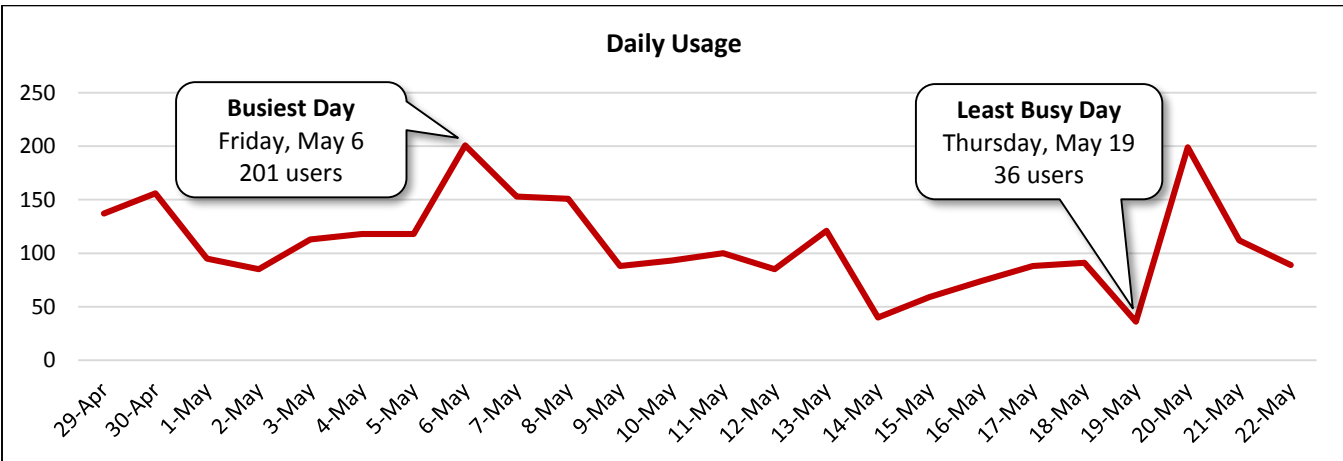
Image 2: Sidewalk along Town Center Boulevard Southbound at Texas Drive Facing South

**Daily Usage**  
Town Center Boulevard Southbound at Texas Drive

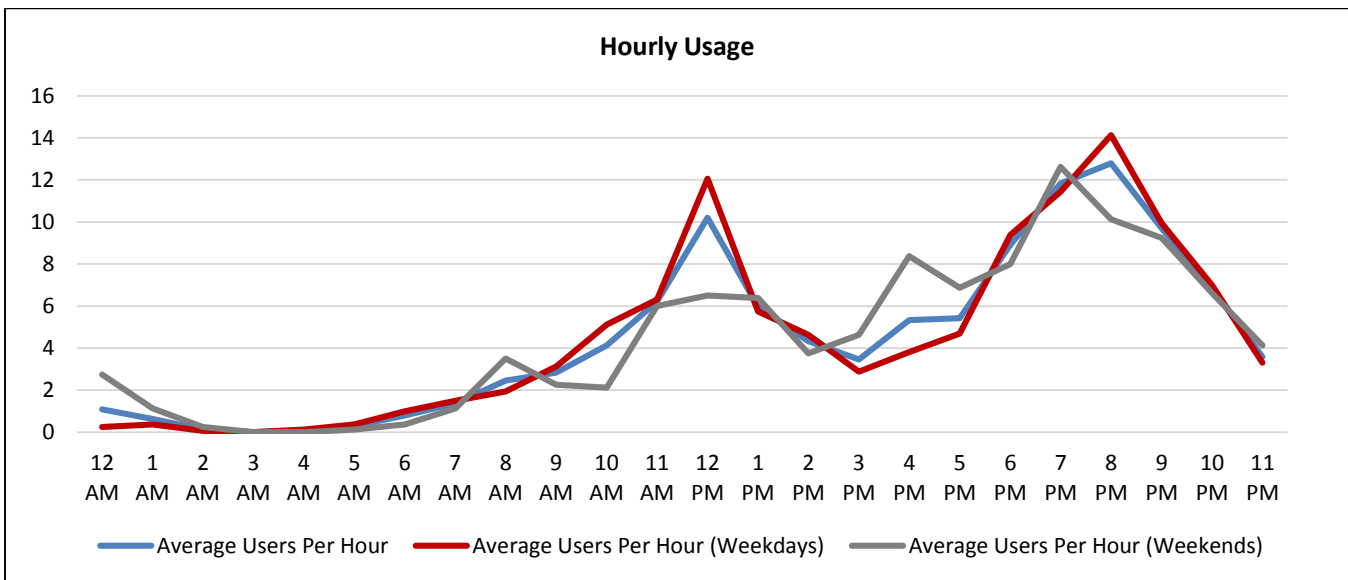
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, April 29, 2016	137	86	75	0
Saturday, April 30, 2016	156	87	69	0.11
Sunday, May 1, 2016	95	84	73	0
Monday, May 2, 2016	85	75	61	0.05
Tuesday, May 3, 2016	113	75	57	0
Wednesday, May 4, 2016	118	81	53	0
Thursday, May 5, 2016	118	84	57	0
Friday, May 6, 2016	201	84	55	0
Saturday, May 7, 2016	153	82	57	0
Sunday, May 8, 2016	151	79	66	0
Monday, May 9, 2016	88	82	71	0.07
Tuesday, May 10, 2016	93	87	72	0
Wednesday, May 11, 2016	100	86	69	0.05
Thursday, May 12, 2016	85	89	71	0.01
Friday, May 13, 2016	121	90	70	0.03
Saturday, May 14, 2016	40	88	66	1.98
Sunday, May 15, 2016	59	81	66	1.37
Monday, May 16, 2016	74	75	66	0.36
Tuesday, May 17, 2016	88	86	66	0
Wednesday, May 18, 2016	91	82	70	0.1
Thursday, May 19, 2016	36	73	64	1.46
Friday, May 20, 2016	199	84	66	0
Saturday, May 21, 2016	112	86	71	0.17
Sunday, May 22, 2016	89	84	73	0

<b>Total</b>	2,602
<b>Average Daily Usage</b>	108
<b>Average Daily Usage (Weekday)</b>	109
<b>Average Daily Usage (Weekend)</b>	107

\*Weather conditions recorded at KSGR.



<b>Hourly Usage</b>			
Town Center Boulevard Southbound at Texas Drive			
<b>Time of Day</b>	<b>Average Users Per Hour</b>	<b>Average Users Per Hour (Weekdays)</b>	<b>Average Users Per Hour (Weekends)</b>
12:00 a.m.	1.1	0.3	2.8
1:00 a.m.	0.6	0.4	1.1
2:00 a.m.	0.1	0.1	0.3
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.1	0.1	0.0
5:00 a.m.	0.3	0.4	0.1
6:00 a.m.	0.8	1.0	0.4
7:00 a.m.	1.4	1.5	1.1
8:00 a.m.	2.5	1.9	3.5
9:00 a.m.	2.8	3.1	2.3
10:00 a.m.	4.1	5.1	2.1
11:00 a.m.	6.2	6.3	6.0
12:00 p.m.	10.2	12.1	6.5
1:00 p.m.	6.0	5.8	6.4
2:00 p.m.	4.3	4.6	3.8
3:00 p.m.	3.5	2.9	4.6
4:00 p.m.	5.3	3.8	8.4
5:00 p.m.	5.4	4.7	6.9
6:00 p.m.	8.9	9.4	8.0
7:00 p.m.	11.8	11.4	12.6
8:00 p.m.	12.8	14.1	10.1
9:00 p.m.	9.7	9.9	9.3
10:00 p.m.	6.9	7.0	6.6
11:00 p.m.	3.6	3.3	4.1



**Counter #2**

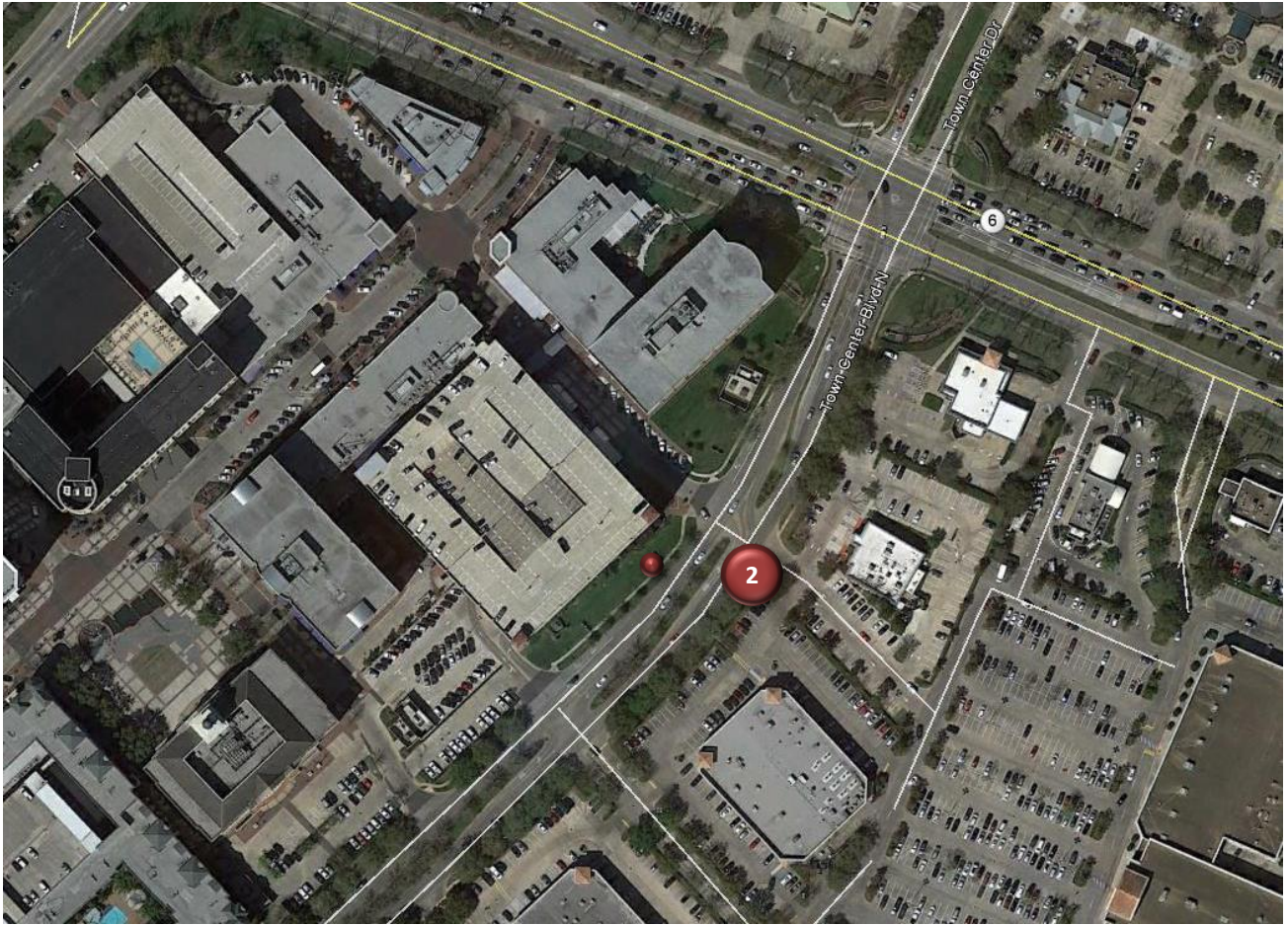
Town Center Boulevard Northbound at Texas Drive

Location Information		
Location Name	Town Center Boulevard Northbound at Texas Drive	
Location Description	Sidewalk along Town Center Boulevard Northbound South of Texas Drive	
Jurisdiction	City of Sugar Land	
Agency Deployed	City of Sugar Land	
GPS Coordinates	29°35'45.20"N, 95°37'11.10"W	
Surrounding Land Uses	North	Commercial/Retail
	South	Commercial/Retail, Office, Institutional (Sugar Land City Hall), Multi-Family Residential
	East	Commercial/Retail
	West	Commercial/Retail, Office
What object was device secured to?	First Tree South of Texas Drive	
Sidewalk Width	4'	
Buffer Width	11' (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	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	There was unusually high usage at Counter #2 on Sunday, May 22. Per the City of Sugar Land, no special events were held in the area that day.	

Trends
<ul style="list-style-type: none"> <li>• Usage tends to be higher during weekends (90 users/day) than on weekdays (28 users/day).</li> <li>• On weekdays, usage is highest in the evening (7:00 p.m. – 10:00 p.m.).</li> <li>• During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.).</li> <li>• There was unusually high usage at Counter #2 on Sunday, May 22 (461 users). If data collected that day is excluded, average daily usage is 31, and average daily usage on weekends is 37.</li> </ul>



**Location Information: Map**



**Location Information: Photos**



Image 3: Sidewalk along Town Center Boulevard Northbound Facing North to Texas Drive



Image 4: Sidewalk along Town Center Boulevard Northbound Facing South from Texas Drive

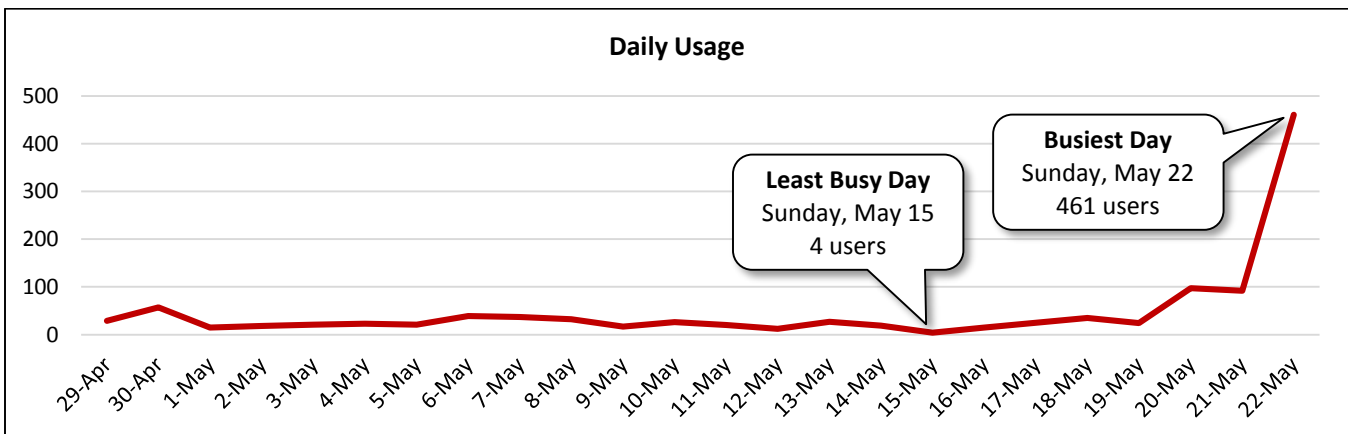
**Daily Usage**  
Town Center Boulevard Northbound at Texas Drive

Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, April 29, 2016	29	86	75	0
Saturday, April 30, 2016	57	87	69	0.11
Sunday, May 1, 2016	15	84	73	0
Monday, May 2, 2016	18	75	61	0.05
Tuesday, May 3, 2016	21	75	57	0
Wednesday, May 4, 2016	23	81	53	0
Thursday, May 5, 2016	21	84	57	0
Friday, May 6, 2016	39	84	55	0
Saturday, May 7, 2016	37	82	57	0
Sunday, May 8, 2016	32	79	66	0
Monday, May 9, 2016	17	82	71	0.07
Tuesday, May 10, 2016	26	87	72	0
Wednesday, May 11, 2016	20	86	69	0.05
Thursday, May 12, 2016	12	89	71	0.01
Friday, May 13, 2016	27	90	70	0.03
Saturday, May 14, 2016	19	88	66	1.98
Sunday, May 15, 2016	4	81	66	1.37
Monday, May 16, 2016	15	75	66	0.36
Tuesday, May 17, 2016	25	86	66	0
Wednesday, May 18, 2016	35	82	70	0.1
Thursday, May 19, 2016	24	73	64	1.46
Friday, May 20, 2016	97	84	66	0
Saturday, May 21, 2016	92	86	71	0.17
Sunday, May 22, 2016	461	84	73	0

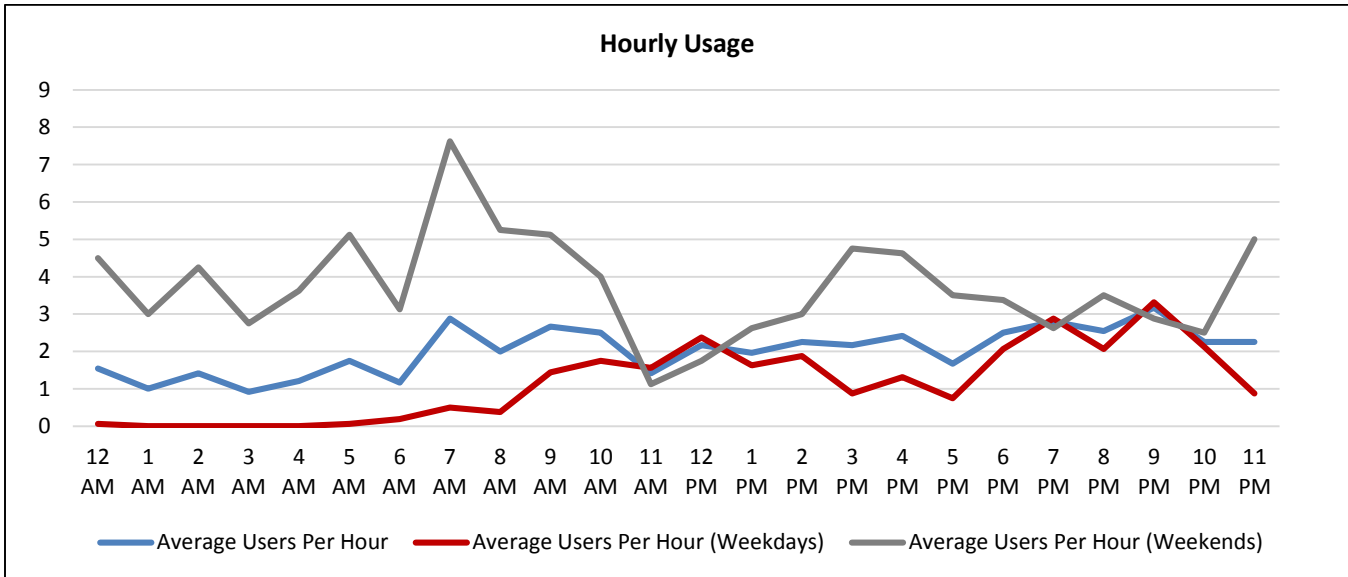
<b>Total</b>	1,166
<b>Average Daily Usage</b>	49
<b>Average Daily Usage (Weekday)</b>	28
<b>Average Daily Usage (Weekend)</b>	90

**Notes**  
There was unusually high usage on Sunday, May 22. Per the City of Sugar Land, no special events were held in the area that day. If data collected that day is excluded, average daily usage is 31, and average daily usage on weekends is 37.

\*Weather conditions recorded at KSGR.



<b>Hourly Usage</b>			
Town Center Boulevard Northbound at Texas Drive			
<b>Time of Day</b>	<b>Average Users Per Hour</b>	<b>Average Users Per Hour (Weekdays)</b>	<b>Average Users Per Hour (Weekends)</b>
12:00 a.m.	1.5	0.1	4.5
1:00 a.m.	1.0	0.0	3.0
2:00 a.m.	1.4	0.0	4.3
3:00 a.m.	0.9	0.0	2.8
4:00 a.m.	1.2	0.0	3.6
5:00 a.m.	1.8	0.1	5.1
6:00 a.m.	1.2	0.2	3.1
7:00 a.m.	2.9	0.5	7.6
8:00 a.m.	2.0	0.4	5.3
9:00 a.m.	2.7	1.4	5.1
10:00 a.m.	2.5	1.8	4.0
11:00 a.m.	1.4	1.6	1.1
12:00 p.m.	2.2	2.4	1.8
1:00 p.m.	2.0	1.6	2.6
2:00 p.m.	2.3	1.9	3.0
3:00 p.m.	2.2	0.9	4.8
4:00 p.m.	2.4	1.3	4.6
5:00 p.m.	1.7	0.8	3.5
6:00 p.m.	2.5	2.1	3.4
7:00 p.m.	2.8	2.9	2.6
8:00 p.m.	2.5	2.1	3.5
9:00 p.m.	3.2	3.3	2.9
10:00 p.m.	2.3	2.1	2.5
11:00 p.m.	2.3	0.9	5.0

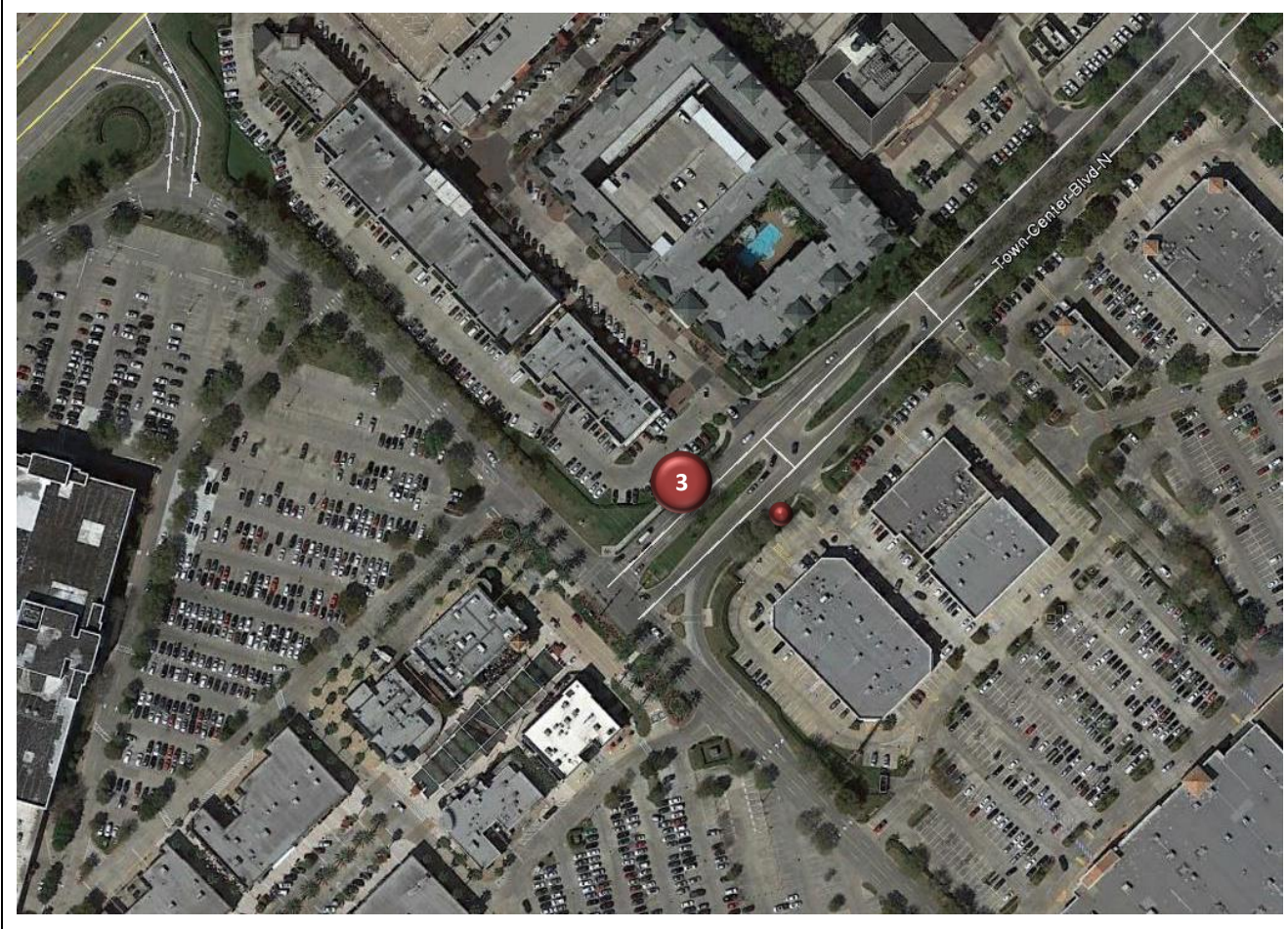


**Counter #3**

Town Center Boulevard Southbound at Mall Ring Road

Location Information		
Location Name	Town Center Boulevard Southbound at Mall Ring Road	
Location Description	Sidewalk along Town Center Boulevard Southbound North of Mall Ring Road	
Jurisdiction	City of Sugar Land	
Agency Deployed	City of Sugar Land	
GPS Coordinates	29°35'37.67"N, 95°37'21.27"W	
Surrounding Land Uses	North	Multi-Family Residential, Commercial/Retail, Office, Institutional (Sugar Land City Hall)
	South	Commercial/Retail
	East	Commercial/Retail
	West	Commercial/Retail, Multi-Family Residential, Office
What object was device secured to?	Sign Post (Turning Movements)	
Sidewalk Width	8'	
Buffer Width	8'	
Street Width	Four-Lane Divided Roadway (+ Turning Lanes)	
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	<b>Counter #3 malfunctioned and did not collect data during the deployment period.</b>	

**Location Information: Map**



**Location Information: Photos**



Image 5: Sidewalk along Town Center Boulevard Southbound Facing North from Mall Ring Road



Image 6: Sidewalk along Town Center Boulevard Southbound Facing South to Mall Ring Road

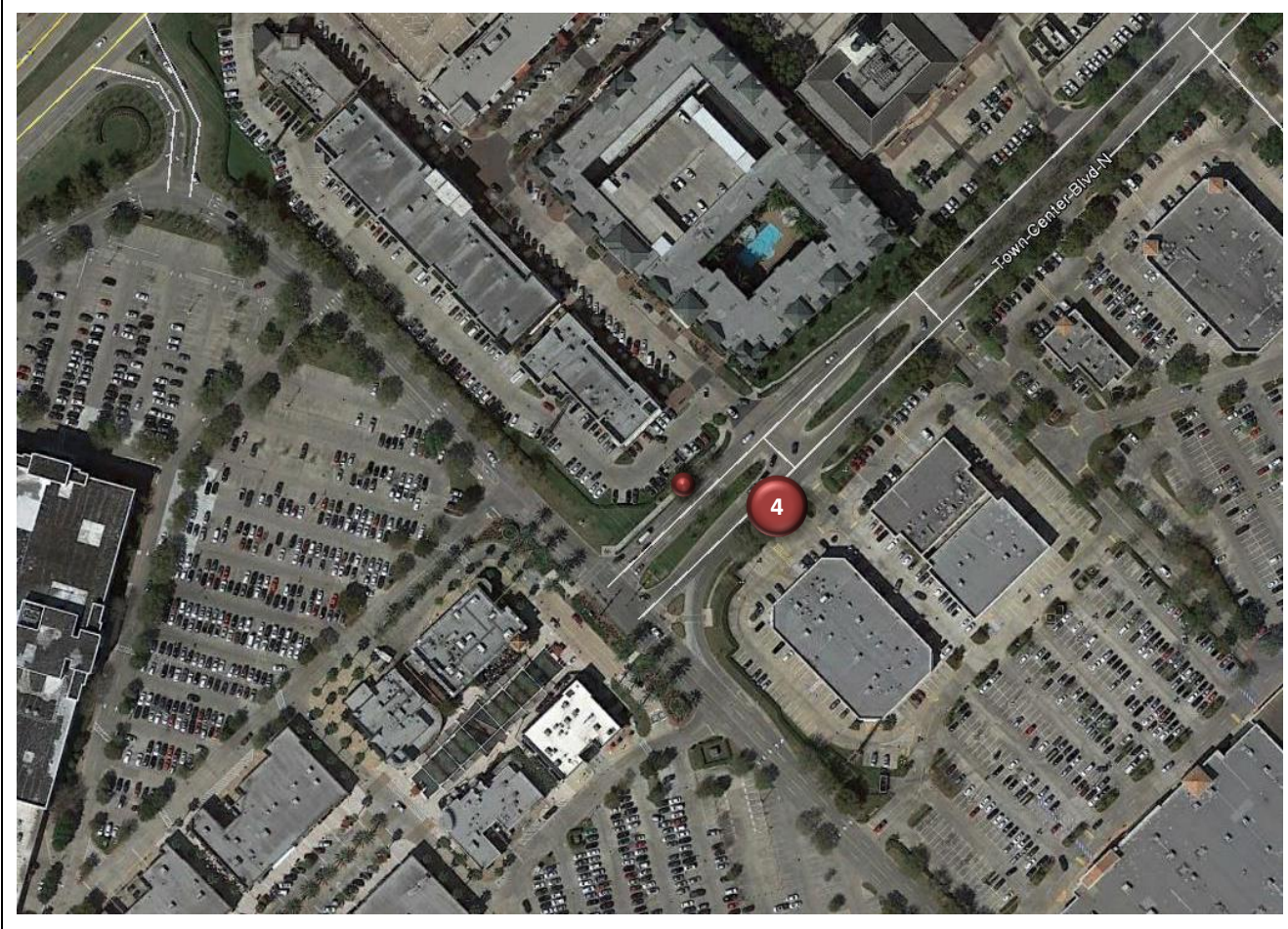
**Counter #4**

Town Center Boulevard Northbound at Mall Ring Road

Location Information		
Location Name	Town Center Boulevard Northbound at Mall Ring Road	
Location Description	Sidewalk along Town Center Boulevard Northbound North of Mall Ring Road	
Jurisdiction	City of Sugar Land	
Agency Deployed	City of Sugar Land	
GPS Coordinates	29°35'37.39"N, 95°37'19.80"W	
Surrounding Land Uses	North	Multi-Family Residential, Commercial/Retail, Office, Institutional (Sugar Land City Hall)
	South	Commercial/Retail
	East	Commercial/Retail
	West	Commercial/Retail, Multi-Family Residential, Office
What object was device secured to?	Sign Post (Speed Limit)	
Sidewalk Width	4'	
Buffer Width	10' (varies)	
Street Width	Four-Lane Divided Roadway (+ Turning Lanes)	
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	There was extremely high usage on Sunday, May 22 (5,551 users), especially in the afternoon and evening. Per the City of Sugar Land, no special events were held in the area that day.	

Trends
<ul style="list-style-type: none"> <li>• There was extremely high usage on Sunday, May 22 (5,551 users), especially in the afternoon and evening. Per the City of Sugar Land, no special events were held that day.</li> <li>• Usage tends to be higher during weekends (746 users/day) than on weekdays (29 users/day).</li> <li>• On weekdays, usage is highest in the evening (6:00 p.m. – 9:00 p.m.).</li> <li>• During weekends, usage was extremely high in the afternoon and evening (2:00 p.m. – 8:00 p.m.). This may be skewed by abnormally high usage on Sunday, May 22. If data from that date is excluded, weekend usage plateaus in the afternoon (12:00 p.m. – 5:00 p.m.).</li> </ul>

**Location Information: Map**



**Location Information: Photos**



Image 7: Sidewalk along Town Center Boulevard Northbound Facing North from Mall Ring Road



Image 8: Sidewalk along Town Center Boulevard Northbound Facing South to Mall Ring Road

<b>Daily Usage</b>				
Town Center Boulevard Northbound at Mall Ring Road				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, April 29, 2016	29	86	75	0
Saturday, April 30, 2016	102	87	69	0.11
Sunday, May 1, 2016	26	84	73	0
Monday, May 2, 2016	26	75	61	0.05
Tuesday, May 3, 2016	38	75	57	0
Wednesday, May 4, 2016	31	81	53	0
Thursday, May 5, 2016	26	84	57	0
Friday, May 6, 2016	55	84	55	0
Saturday, May 7, 2016	109	82	57	0
Sunday, May 8, 2016	55	79	66	0
Monday, May 9, 2016	25	82	71	0.07
Tuesday, May 10, 2016	20	87	72	0
Wednesday, May 11, 2016	25	86	69	0.05
Thursday, May 12, 2016	17	89	71	0.01
Friday, May 13, 2016	34	90	70	0.03
Saturday, May 14, 2016	39	88	66	1.98
Sunday, May 15, 2016	43	81	66	1.37
Monday, May 16, 2016	17	75	66	0.36
Tuesday, May 17, 2016	26	86	66	0
Wednesday, May 18, 2016	20	82	70	0.1
Thursday, May 19, 2016	8	73	64	1.46
Friday, May 20, 2016	64	84	66	0
Saturday, May 21, 2016	45	86	71	0.17
Sunday, May 22, 2016	5,551	84	73	0
<b>Total</b>	6,431			
<b>Average Daily Usage</b>	268			
<b>Average Daily Usage (Weekday)</b>	29			
<b>Average Daily Usage (Weekend)</b>	746			

Notes
There was extremely high usage on Sunday, May 22 (5,551 users), especially in the afternoon and evening. Per the City of Sugar Land, no special events were held in the area that day.

\*Weather conditions recorded at KSGR.

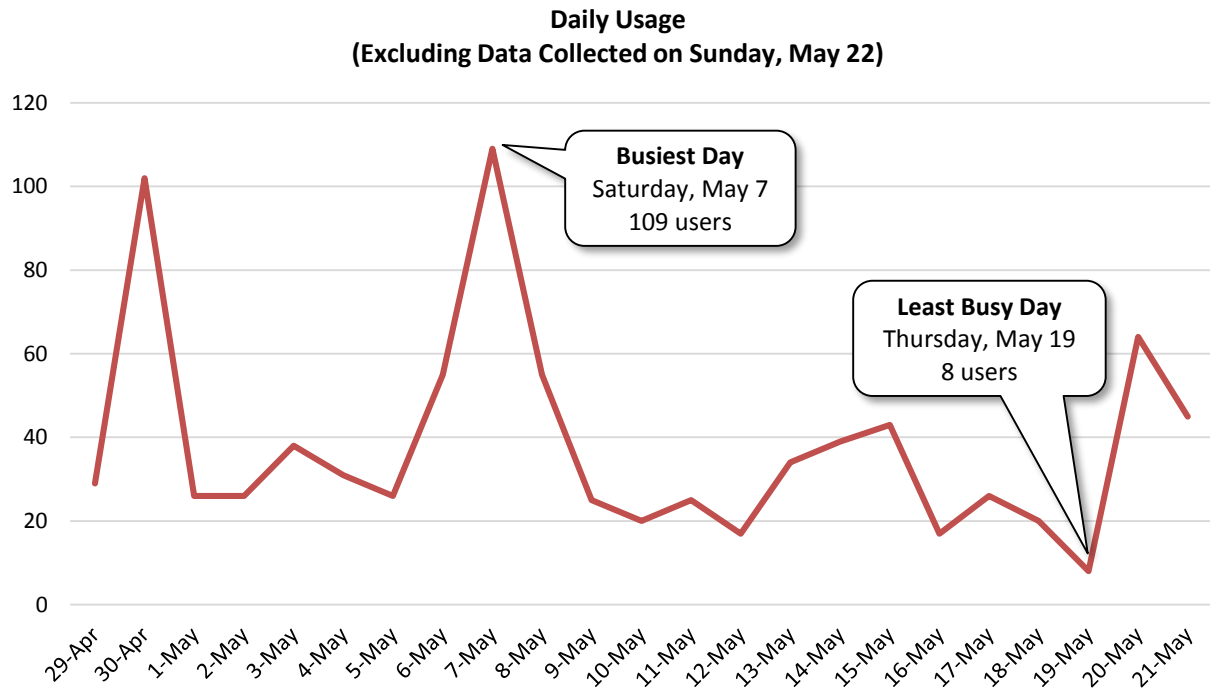
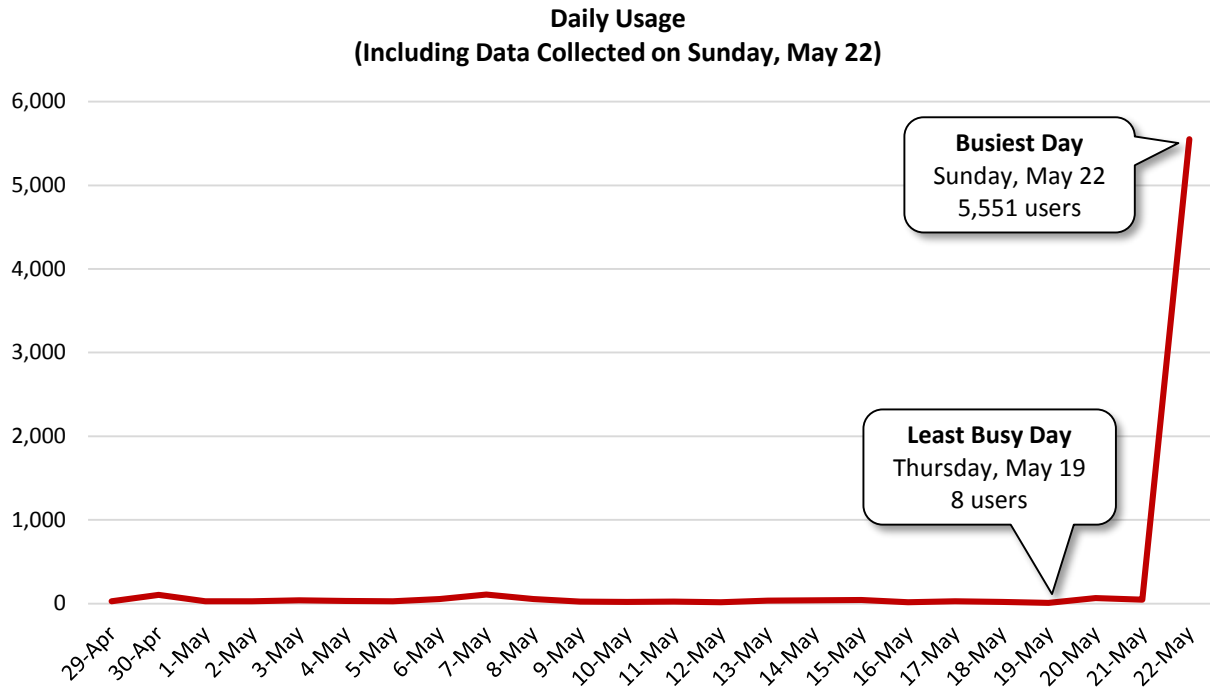
There was extremely high usage at this location on Sunday, May 22 (5,551 users), especially in the afternoon and evening. Per the City of Sugar Land, no special events were held in the area that day. Below is total usage and average daily usage if data collected on that date is excluded:

<b>Total</b>	880
<b>Average Daily Usage</b>	38
<b>Average Daily Usage (Weekday)</b>	29
<b>Average Daily Usage (Weekend)</b>	60



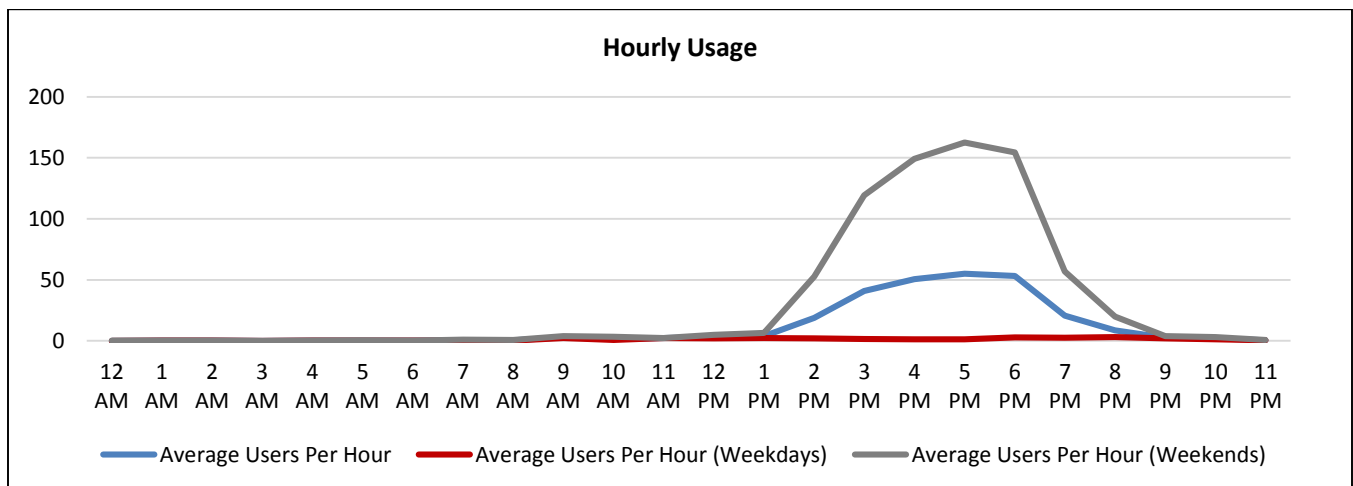
**Daily Usage**

Town Center Boulevard Northbound at Mall Ring Road



There was extremely high usage at this location on Sunday, May 22, especially in the afternoon and evening. Large variations may skew average hourly usage. The following pages include statistics regarding hourly usage including and excluding data collected on Sunday, May 22.

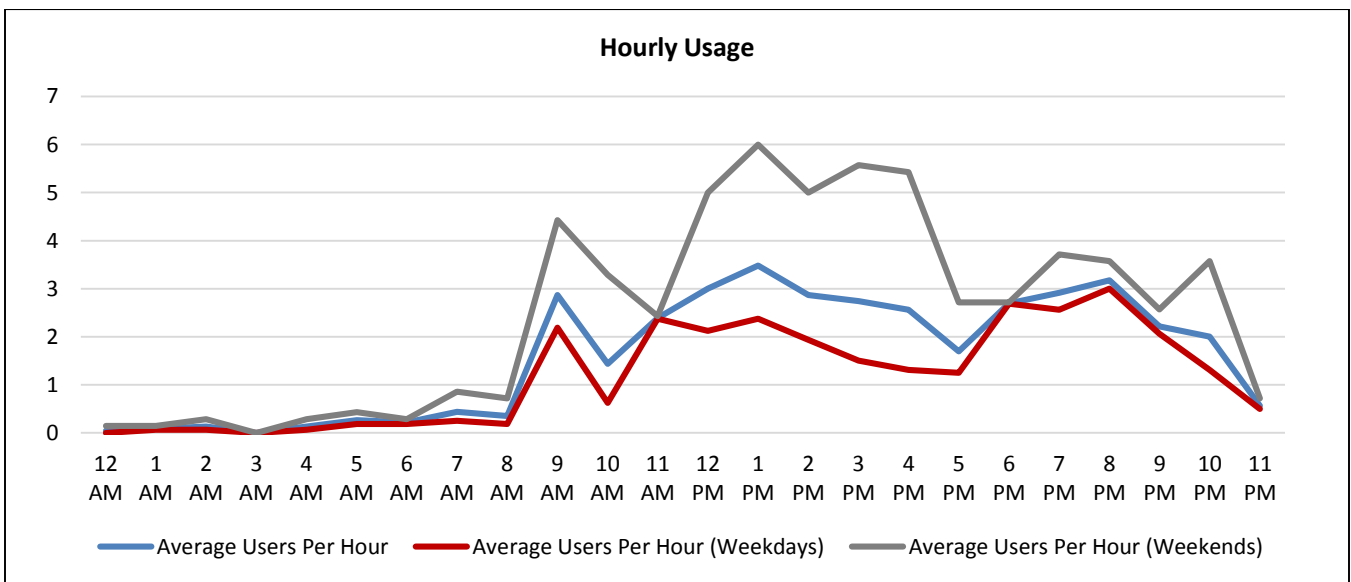
<b>Hourly Usage (Including Data Collected on Sunday, May 22)</b>			
Town Center Boulevard Northbound at Mall Ring Road			
<b>Time of Day</b>	<b>Average Users Per Hour</b>	<b>Average Users Per Hour (Weekdays)</b>	<b>Average Users Per Hour (Weekends)</b>
12:00 a.m.	0.0	0.0	0.1
1:00 a.m.	0.1	0.1	0.1
2:00 a.m.	0.1	0.1	0.3
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.1	0.1	0.3
5:00 a.m.	0.3	0.2	0.4
6:00 a.m.	0.2	0.2	0.3
7:00 a.m.	0.5	0.3	1.0
8:00 a.m.	0.4	0.2	0.8
9:00 a.m.	2.8	2.2	3.9
10:00 a.m.	1.5	0.6	3.4
11:00 a.m.	2.4	2.4	2.4
12:00 p.m.	3.0	2.1	4.9
1:00 p.m.	3.8	2.4	6.5
2:00 p.m.	18.8	1.9	52.6
3:00 p.m.	40.8	1.5	119.3
4:00 p.m.	50.6	1.3	149.1
5:00 p.m.	55.0	1.3	162.5
6:00 p.m.	53.3	2.7	154.4
7:00 p.m.	20.7	2.6	56.9
8:00 p.m.	8.6	3.0	19.8
9:00 p.m.	2.7	2.1	3.9
10:00 p.m.	1.9	1.3	3.1
11:00 p.m.	0.5	0.5	0.6



**Hourly Usage (Excluding Data Collected on Sunday, May 22)**

Town Center Boulevard Northbound at Mall Ring Road

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	0.1
1:00 a.m.	0.1	0.1	0.1
2:00 a.m.	0.1	0.1	0.3
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.1	0.1	0.3
5:00 a.m.	0.3	0.2	0.4
6:00 a.m.	0.2	0.2	0.3
7:00 a.m.	0.4	0.3	0.9
8:00 a.m.	0.3	0.2	0.7
9:00 a.m.	2.9	2.2	4.4
10:00 a.m.	1.4	0.6	3.3
11:00 a.m.	2.4	2.4	2.4
12:00 p.m.	3.0	2.1	5.0
1:00 p.m.	3.5	2.4	6.0
2:00 p.m.	2.9	1.9	5.0
3:00 p.m.	2.7	1.5	5.6
4:00 p.m.	2.6	1.3	5.4
5:00 p.m.	1.7	1.3	2.7
6:00 p.m.	2.7	2.7	2.7
7:00 p.m.	2.9	2.6	3.7
8:00 p.m.	3.2	3.0	3.6
9:00 p.m.	2.2	2.1	2.6
10:00 p.m.	2.0	1.3	3.6
11:00 p.m.	0.6	0.5	0.7



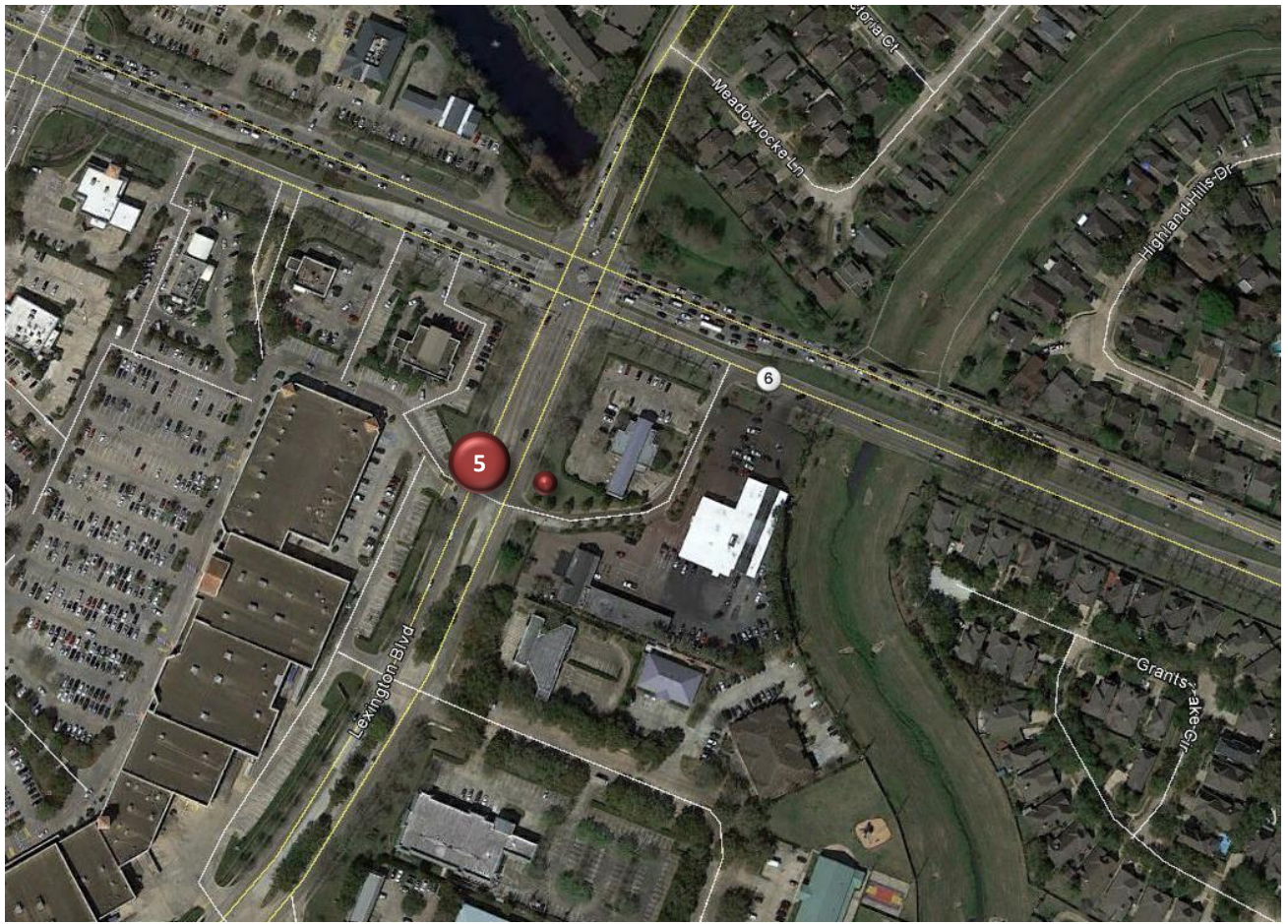
**Counter #5**

Lexington Boulevard Southbound South of State Highway 6

Location Information	
Location Name	Lexington Boulevard Southbound South of State Highway 6
Location Description	Sidewalk along Lexington Boulevard Southbound South of State Highway 6
Jurisdiction	City of Sugar Land
Agency Deployed	City of Sugar Land
GPS Coordinates	29°35'43.50"N, 95°37'0.97"W
Surrounding Land Uses	North Commercial/Retail, Multi-Family Residential, Single-Family Residential
	South Commercial/Retail, Office
	East Commercial/Retail, Single-Family Residential
	West Commercial/Retail
What object was device secured to?	First Tree North of First Driveway South of State Highway 6
Sidewalk Width	4'
Buffer Width	6'
Street Width	Six-Lane Divided Roadway (+ Turning Lanes)
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	Not Available
Transit	No
Shade	Yes
Have counts been collected by H-GAC at this location before?	No

Trends
<ul style="list-style-type: none"> <li>Daily usage tends to be at similar levels on weekdays (9 users/day) and during weekends (11 users/day).</li> <li>On weekdays, usage remains low throughout the day. It is highest in the morning (9:00 a.m. – 10:00 a.m.) and early afternoon (1:00 p.m. – 2:00 p.m.).</li> <li>During weekends, usage is highest midday (11:00 a.m. – 12:00 p.m.).</li> </ul>

**Location Information: Map**



**Location Information: Photos**



Image 9: Sidewalk along Lexington Boulevard Southbound Facing North to State Highway 6



Image 10: Sidewalk along Lexington Boulevard Southbound Facing South from State Highway 6

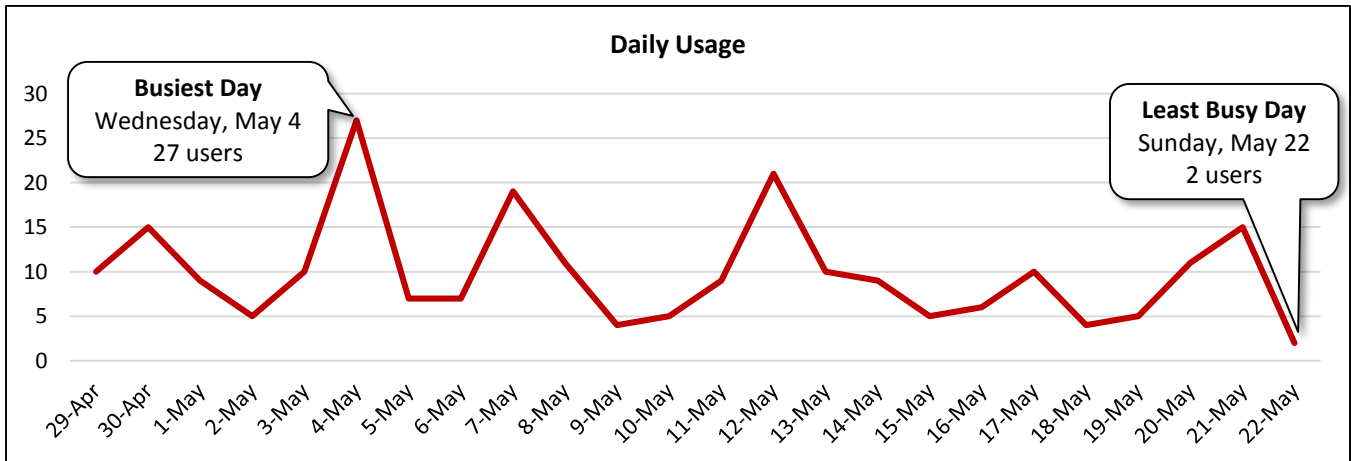
### Daily Usage

Lexington Boulevard Southbound South of State Highway 6

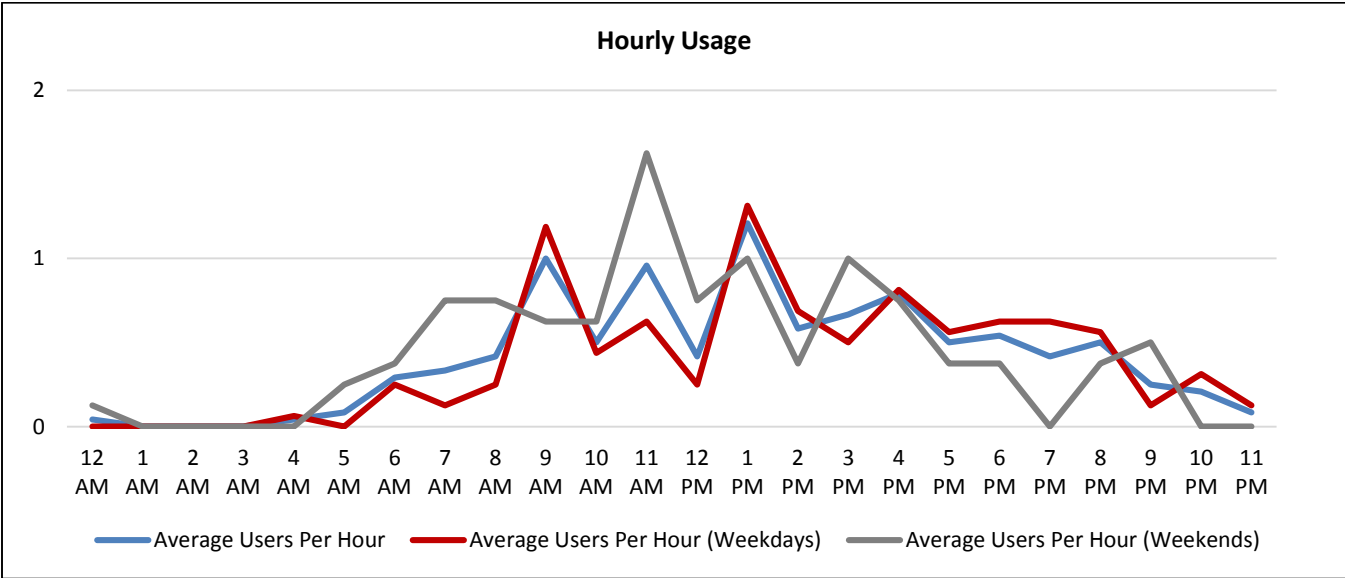
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, April 29, 2016	10	86	75	0
Saturday, April 30, 2016	15	87	69	0.11
Sunday, May 1, 2016	9	84	73	0
Monday, May 2, 2016	5	75	61	0.05
Tuesday, May 3, 2016	10	75	57	0
Wednesday, May 4, 2016	27	81	53	0
Thursday, May 5, 2016	7	84	57	0
Friday, May 6, 2016	7	84	55	0
Saturday, May 7, 2016	19	82	57	0
Sunday, May 8, 2016	11	79	66	0
Monday, May 9, 2016	4	82	71	0.07
Tuesday, May 10, 2016	5	87	72	0
Wednesday, May 11, 2016	9	86	69	0.05
Thursday, May 12, 2016	21	89	71	0.01
Friday, May 13, 2016	10	90	70	0.03
Saturday, May 14, 2016	9	88	66	1.98
Sunday, May 15, 2016	5	81	66	1.37
Monday, May 16, 2016	6	75	66	0.36
Tuesday, May 17, 2016	10	86	66	0
Wednesday, May 18, 2016	4	82	70	0.1
Thursday, May 19, 2016	5	73	64	1.46
Friday, May 20, 2016	11	84	66	0
Saturday, May 21, 2016	15	86	71	0.17
Sunday, May 22, 2016	2	84	73	0

<b>Total</b>	236
<b>Average Daily Usage</b>	10
<b>Average Daily Usage (Weekday)</b>	9
<b>Average Daily Usage (Weekend)</b>	11

\*Weather conditions recorded at KSGR.



<b>Hourly Usage</b>			
Lexington Boulevard Southbound South of State Highway 6			
<b>Time of Day</b>	<b>Average Users Per Hour</b>	<b>Average Users Per Hour (Weekdays)</b>	<b>Average Users Per Hour (Weekends)</b>
12:00 a.m.	0.0	0.0	0.1
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	0.1	0.0
5:00 a.m.	0.1	0.0	0.3
6:00 a.m.	0.3	0.3	0.4
7:00 a.m.	0.3	0.1	0.8
8:00 a.m.	0.4	0.3	0.8
9:00 a.m.	1.0	1.2	0.6
10:00 a.m.	0.5	0.4	0.6
11:00 a.m.	1.0	0.6	1.6
12:00 p.m.	0.4	0.3	0.8
1:00 p.m.	1.2	1.3	1.0
2:00 p.m.	0.6	0.7	0.4
3:00 p.m.	0.7	0.5	1.0
4:00 p.m.	0.8	0.8	0.8
5:00 p.m.	0.5	0.6	0.4
6:00 p.m.	0.5	0.6	0.4
7:00 p.m.	0.4	0.6	0.0
8:00 p.m.	0.5	0.6	0.4
9:00 p.m.	0.3	0.1	0.5
10:00 p.m.	0.2	0.3	0.0
11:00 p.m.	0.1	0.1	0.0



**Counter #6**

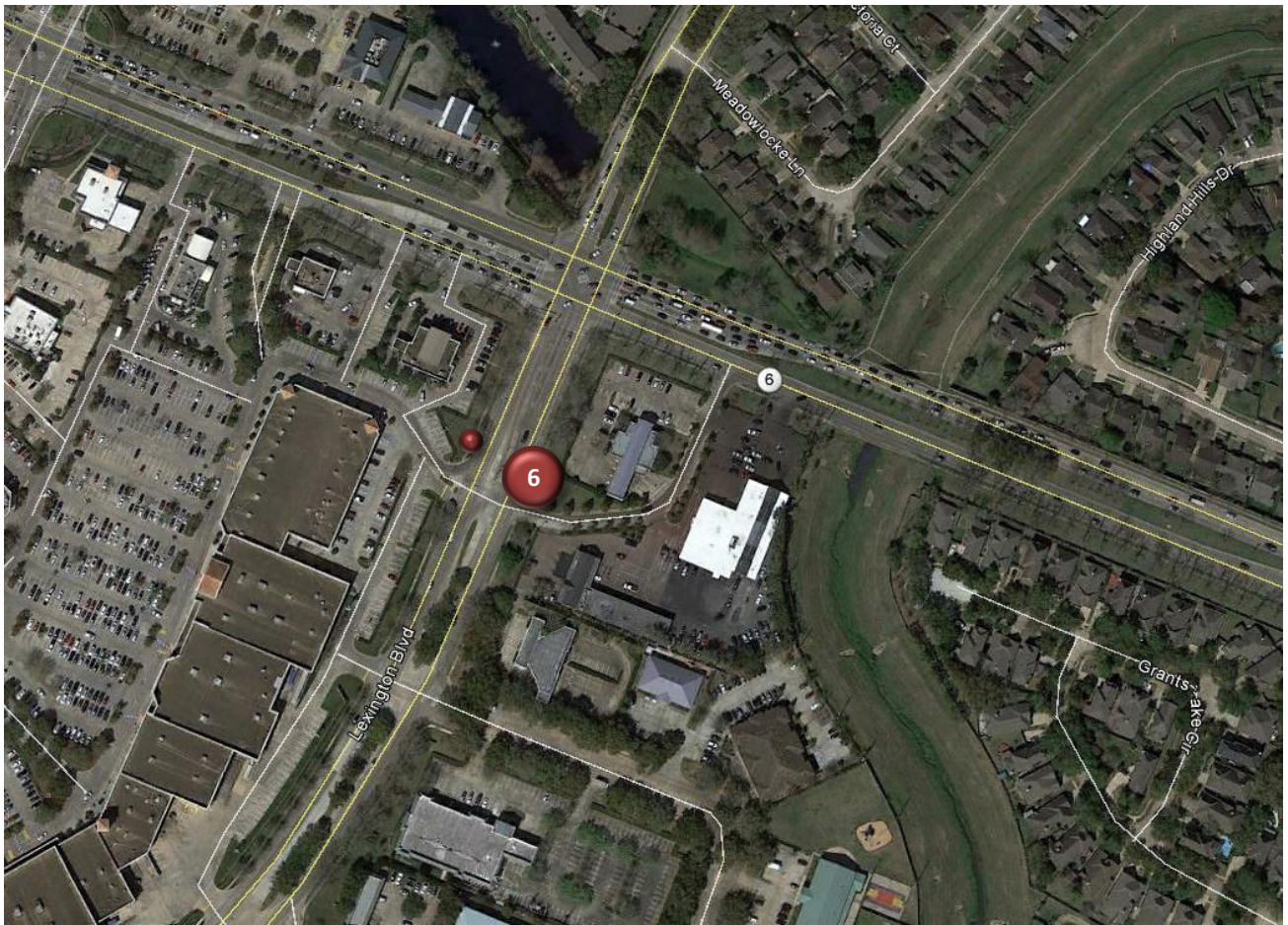
Lexington Boulevard Northbound South of State Highway 6

Location Information	
Location Name	Lexington Boulevard Northbound South of State Highway 6
Location Description	Sidewalk along Lexington Boulevard Northbound South of State Highway 6
Jurisdiction	City of Sugar Land
Agency Deployed	City of Sugar Land
GPS Coordinates	29°35'42.95"N, 95°36'59.83"W
Surrounding Land Uses	North   Commercial/Retail, Multi-Family Residential, Single-Family Residential
	South   Commercial/Retail, Office
	East   Commercial/Retail, Single-Family Residential
	West   Commercial/Retail
What object was device secured to?	Sign Post (Right Turn Only)
Sidewalk Width	4'
Buffer Width	4'
Street Width	Six-Lane Divided Roadway (+ Turning Lanes)
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	Not Available
Transit	No
Shade	Yes
Have counts been collected by H-GAC at this location before?	No

Trends
<ul style="list-style-type: none"> <li>• Usage tends to be higher on weekdays (22 users/day) than during weekends (15 users/day).</li> <li>• On weekdays, usage is highest mid-morning (10:00 a.m. – 11:00 a.m.).</li> <li>• During weekends, usage remains low throughout the day. Usage is slightly higher in the morning (7:00 a.m. – 11:00 a.m.) than during the afternoon.</li> </ul>



**Location Information: Map**



**Location Information: Photos**



Image 11: Sidewalk along Lexington Boulevard Northbound Facing North to State Highway 6



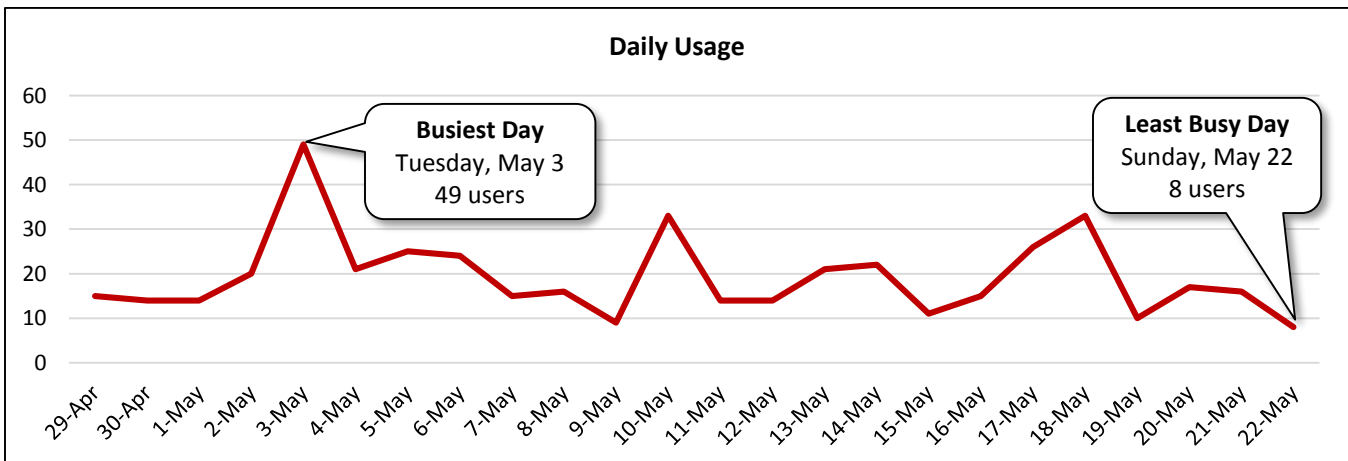
Image 12: Sidewalk along Lexington Boulevard Northbound Facing South from State Highway 6

**Daily Usage**  
Lexington Boulevard Northbound South of State Highway 6

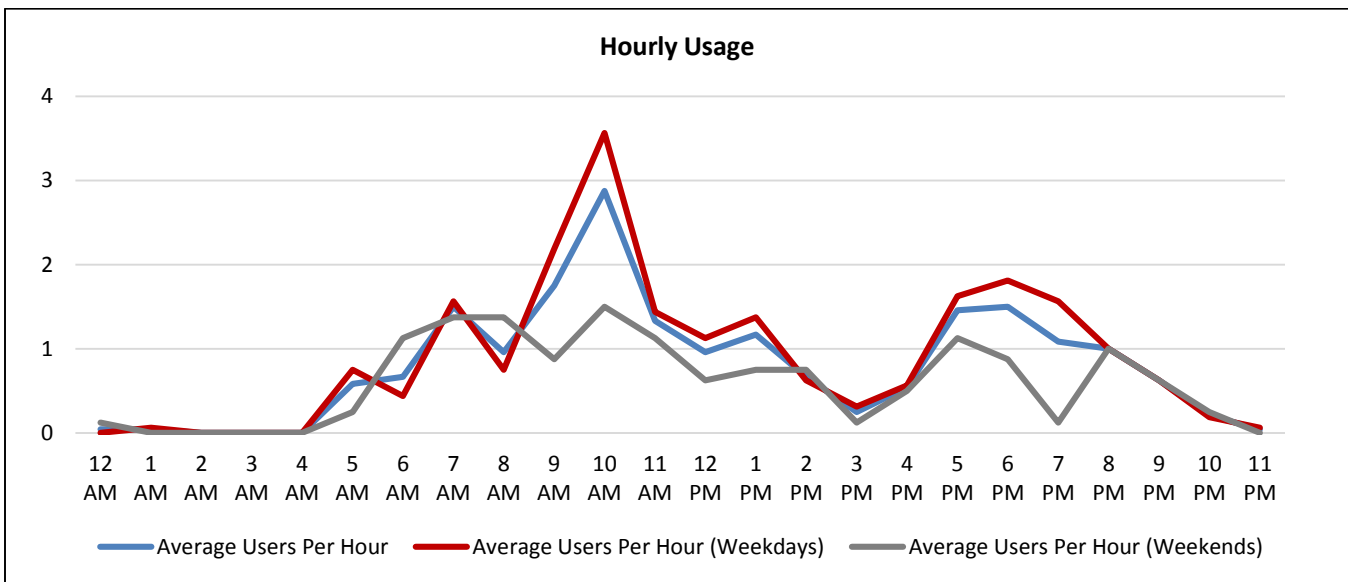
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, April 29, 2016	15	86	75	0
Saturday, April 30, 2016	14	87	69	0.11
Sunday, May 1, 2016	14	84	73	0
Monday, May 2, 2016	20	75	61	0.05
Tuesday, May 3, 2016	49	75	57	0
Wednesday, May 4, 2016	21	81	53	0
Thursday, May 5, 2016	25	84	57	0
Friday, May 6, 2016	24	84	55	0
Saturday, May 7, 2016	15	82	57	0
Sunday, May 8, 2016	16	79	66	0
Monday, May 9, 2016	9	82	71	0.07
Tuesday, May 10, 2016	33	87	72	0
Wednesday, May 11, 2016	14	86	69	0.05
Thursday, May 12, 2016	14	89	71	0.01
Friday, May 13, 2016	21	90	70	0.03
Saturday, May 14, 2016	22	88	66	1.98
Sunday, May 15, 2016	11	81	66	1.37
Monday, May 16, 2016	15	75	66	0.36
Tuesday, May 17, 2016	26	86	66	0
Wednesday, May 18, 2016	33	82	70	0.1
Thursday, May 19, 2016	10	73	64	1.46
Friday, May 20, 2016	17	84	66	0
Saturday, May 21, 2016	16	86	71	0.17
Sunday, May 22, 2016	8	84	73	0

<b>Total</b>	462
<b>Average Daily Usage</b>	19
<b>Average Daily Usage (Weekday)</b>	22
<b>Average Daily Usage (Weekend)</b>	15

\*Weather conditions recorded at KSGR.



<b>Hourly Usage</b>			
Lexington Boulevard Northbound South of State Highway 6			
<b>Time of Day</b>	<b>Average Users Per Hour</b>	<b>Average Users Per Hour (Weekdays)</b>	<b>Average Users Per Hour (Weekends)</b>
12:00 a.m.	0.0	0.0	0.1
1:00 a.m.	0.0	0.1	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.	0.6	0.8	0.3
6:00 a.m.	0.7	0.4	1.1
7:00 a.m.	1.5	1.6	1.4
8:00 a.m.	1.0	0.8	1.4
9:00 a.m.	1.8	2.2	0.9
10:00 a.m.	2.9	3.6	1.5
11:00 a.m.	1.3	1.4	1.1
12:00 p.m.	1.0	1.1	0.6
1:00 p.m.	1.2	1.4	0.8
2:00 p.m.	0.7	0.6	0.8
3:00 p.m.	0.3	0.3	0.1
4:00 p.m.	0.5	0.6	0.5
5:00 p.m.	1.5	1.6	1.1
6:00 p.m.	1.5	1.8	0.9
7:00 p.m.	1.1	1.6	0.1
8:00 p.m.	1.0	1.0	1.0
9:00 p.m.	0.6	0.6	0.6
10:00 p.m.	0.2	0.2	0.3
11:00 p.m.	0.0	0.1	0.0



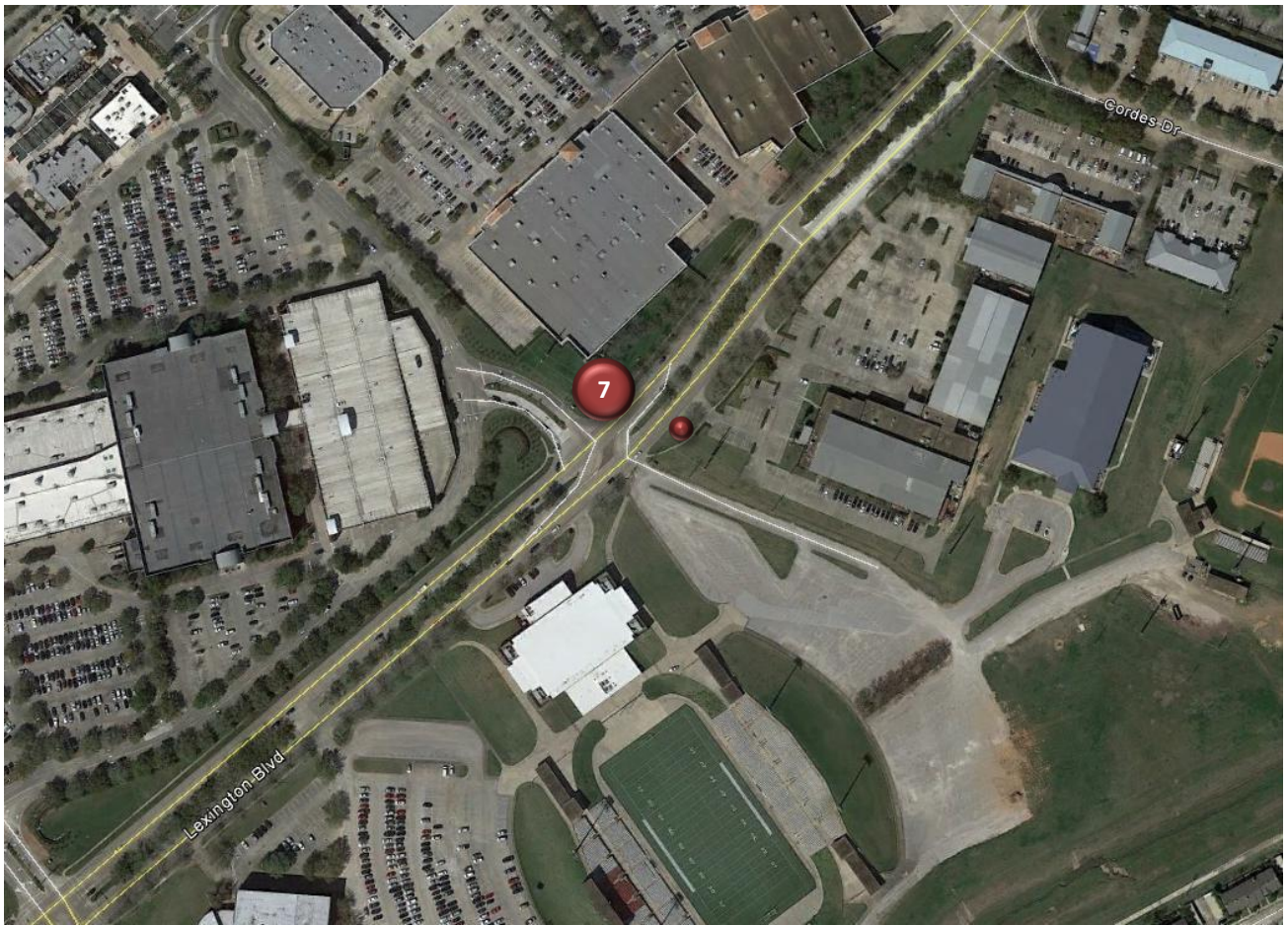
**Counter #7**

Lexington Boulevard Southbound at Mall Ring Road North

Location Information		
Location Name	Lexington Boulevard Southbound at Mall Ring Road North	
Location Description	Sidewalk along Lexington Boulevard Southbound North of Mall Ring Road North	
Jurisdiction	City of Sugar Land	
Agency Deployed	City of Sugar Land	
GPS Coordinates	29°35'29.64"N, 95°37'12.19"W	
Surrounding Land Uses	North	Commercial/Retail
	South	Commercial/Retail, Institutional (Fort Bend ISD Offices, Edward Mercer Stadium)
	East	Commercial/Retail, Institutional (Edward Mercer Stadium)
	West	Commercial/Retail
What object was device secured to?	First Tree North of Mall Ring Road North	
Sidewalk Width	4'	
Buffer Width	10'	
Street Width	Six-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	Not Available	
Transit	No	
Shade	Yes	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> <li>Daily usage tends to be at similar levels on weekdays (17 users/day) and during weekends (15 users/day).</li> <li>On weekdays, usage is highest midday (11:00 a.m. – 12:00 p.m.).</li> <li>During weekends, usage remains low throughout the day. Usage tends to be slightly higher in the morning and early afternoon than later in the day.</li> </ul>

**Location Information: Map**



**Location Information: Photos**



Image 23: Sidewalk along Lexington Boulevard Southbound Facing North from Mall Ring Road North

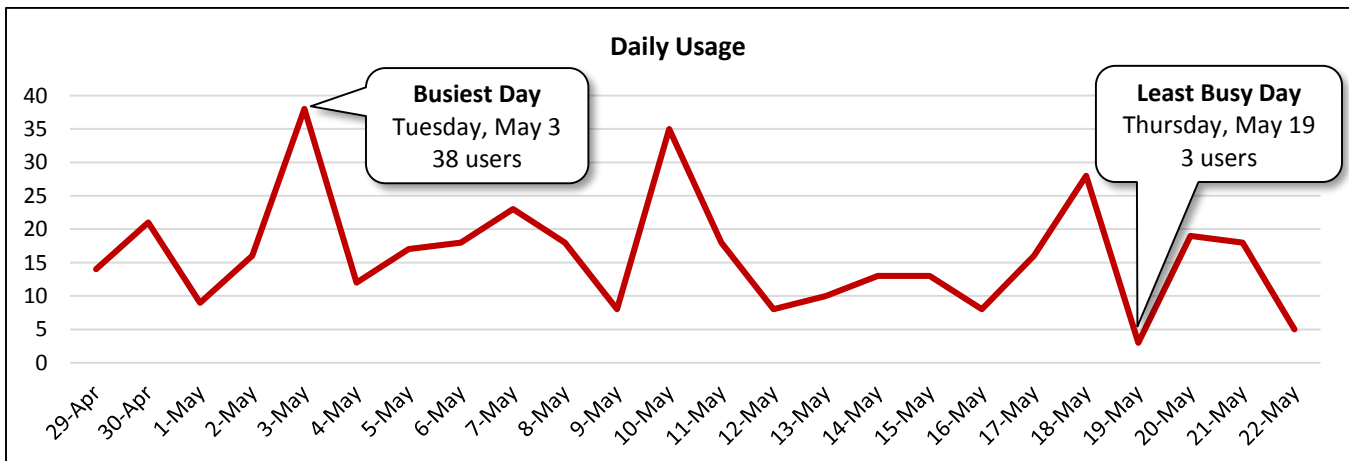


Image 24: Sidewalk along Lexington Boulevard Southbound Facing South to Mall Ring Road North

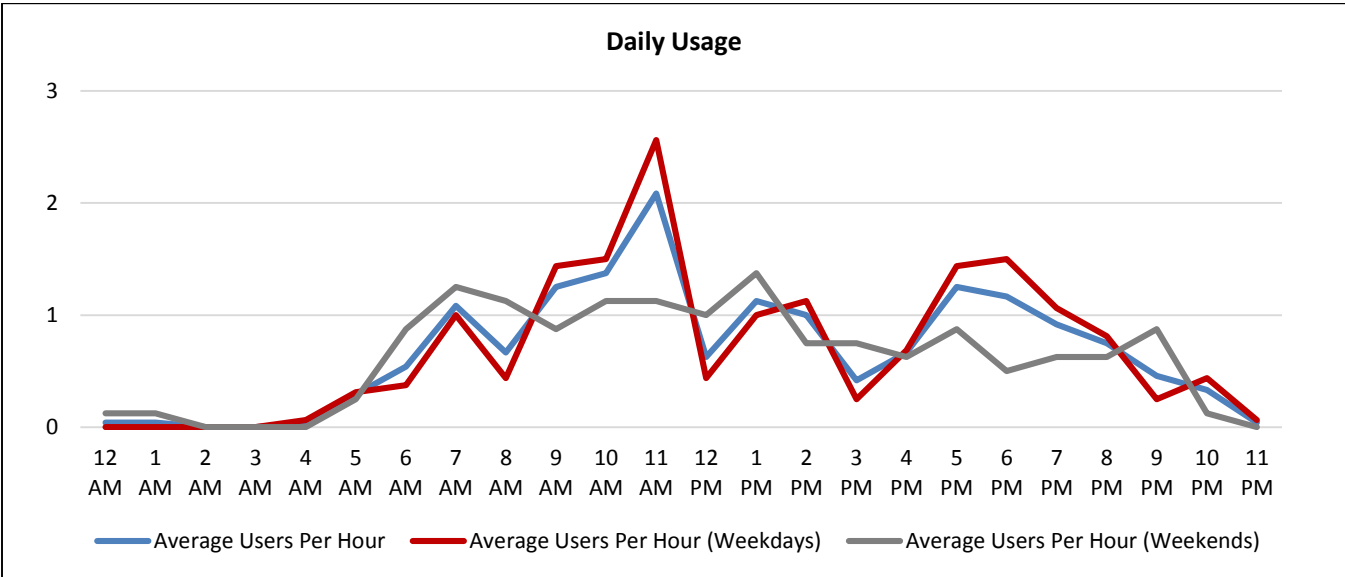
<b>Daily Usage</b>				
Lexington Boulevard Southbound at Mall Ring Road North				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, April 29, 2016	14	86	75	0
Saturday, April 30, 2016	21	87	69	0.11
Sunday, May 1, 2016	9	84	73	0
Monday, May 2, 2016	16	75	61	0.05
Tuesday, May 3, 2016	38	75	57	0
Wednesday, May 4, 2016	12	81	53	0
Thursday, May 5, 2016	17	84	57	0
Friday, May 6, 2016	18	84	55	0
Saturday, May 7, 2016	23	82	57	0
Sunday, May 8, 2016	18	79	66	0
Monday, May 9, 2016	8	82	71	0.07
Tuesday, May 10, 2016	35	87	72	0
Wednesday, May 11, 2016	18	86	69	0.05
Thursday, May 12, 2016	8	89	71	0.01
Friday, May 13, 2016	10	90	70	0.03
Saturday, May 14, 2016	13	88	66	1.98
Sunday, May 15, 2016	13	81	66	1.37
Monday, May 16, 2016	8	75	66	0.36
Tuesday, May 17, 2016	16	86	66	0
Wednesday, May 18, 2016	28	82	70	0.1
Thursday, May 19, 2016	3	73	64	1.46
Friday, May 20, 2016	19	84	66	0
Saturday, May 21, 2016	18	86	71	0.17
Sunday, May 22, 2016	5	84	73	0

<b>Total</b>	388
<b>Average Daily Usage</b>	16
<b>Average Daily Usage (Weekday)</b>	17
<b>Average Daily Usage (Weekend)</b>	15

\*Weather conditions recorded at KSGR.



<b>Hourly Usage</b>			
Lexington Boulevard Southbound at Mall Ring Road North			
<b>Time of Day</b>	<b>Average Users Per Hour</b>	<b>Average Users Per Hour (Weekdays)</b>	<b>Average Users Per Hour (Weekends)</b>
12:00 a.m.	0.0	0.0	0.1
1:00 a.m.	0.0	0.0	0.1
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	0.1	0.0
5:00 a.m.	0.3	0.3	0.3
6:00 a.m.	0.5	0.4	0.9
7:00 a.m.	1.1	1.0	1.3
8:00 a.m.	0.7	0.4	1.1
9:00 a.m.	1.3	1.4	0.9
10:00 a.m.	1.4	1.5	1.1
11:00 a.m.	2.1	2.6	1.1
12:00 p.m.	0.6	0.4	1.0
1:00 p.m.	1.1	1.0	1.4
2:00 p.m.	1.0	1.1	0.8
3:00 p.m.	0.4	0.3	0.8
4:00 p.m.	0.7	0.7	0.6
5:00 p.m.	1.3	1.4	0.9
6:00 p.m.	1.2	1.5	0.5
7:00 p.m.	0.9	1.1	0.6
8:00 p.m.	0.8	0.8	0.6
9:00 p.m.	0.5	0.3	0.9
10:00 p.m.	0.3	0.4	0.1
11:00 p.m.	0.0	0.1	0.0



**Counter A**

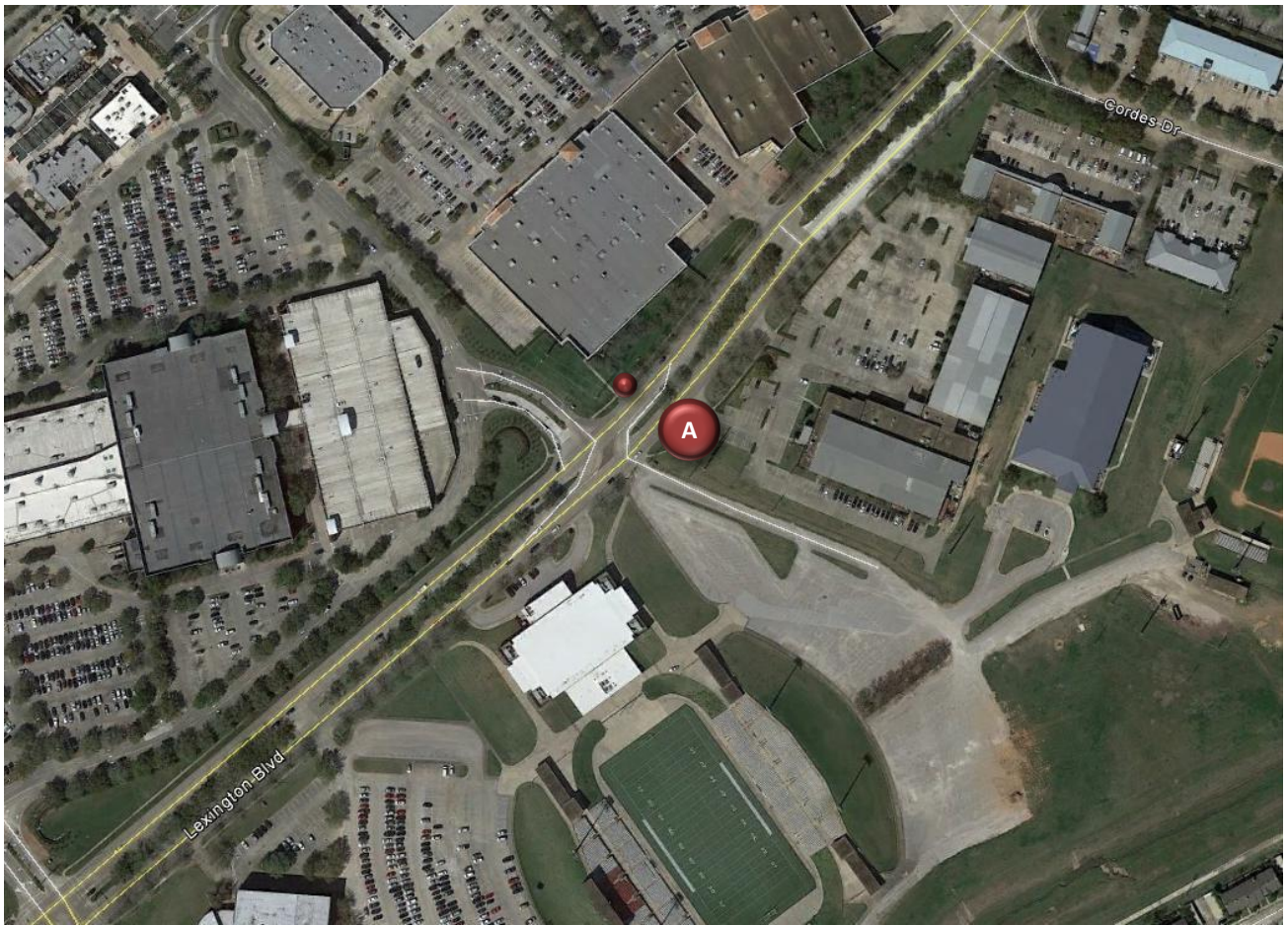
Lexington Boulevard Northbound at Mall Ring Road North

Location Information		
Location Name	Lexington Boulevard Northbound at Mall Ring Road North	
Location Description	Sidewalk along Lexington Boulevard Northbound North of Mall Ring Road North	
Jurisdiction	City of Sugar Land	
Agency Deployed	City of Sugar Land	
GPS Coordinates	29°35'28.75"N, 95°37'11.16"W	
Surrounding Land Uses	North	Commercial/Retail
	South	Commercial/Retail, Institutional (Fort Bend ISD Offices, Edward Mercer Stadium)
	East	Commercial/Retail, Institutional (Edward Mercer Stadium)
	West	Commercial/Retail
What object was device secured to?	First Tree North of Mall Ring Road	
Sidewalk Width	4'	
Buffer Width	35'	
Street Width	Six-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	Not Available	
Transit	No	
Shade	Yes	
Have counts been collected by H-GAC at this location before?	No	
Notes	Counter A did not accurately count users on Sunday, May 22, so data from that date is excluded.	

Trends
<ul style="list-style-type: none"> <li>Daily usage tends to be at similar levels on weekdays (14 users/day) and during weekends (15 users/day).</li> <li>On weekdays, usage is highest in the late afternoon and evening (3:00 p.m. – 7:00 p.m.).</li> <li>During weekends, usage is highest in the late morning (10:00 a.m. – 12:00 p.m.).</li> </ul>



**Location Information: Map**



**Location Information: Photos**



Image 13: Sidewalk along Lexington Boulevard Northbound Facing North from Mall Ring Road North



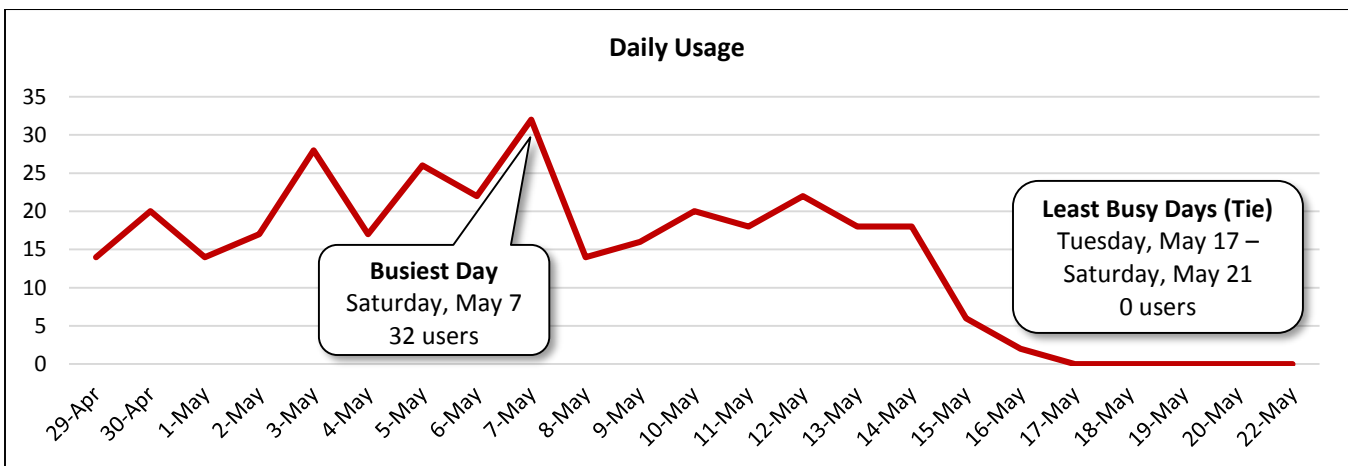
Image 14: Sidewalk along Lexington Boulevard Northbound Facing South to Mall Ring Road North

<b>Daily Usage</b>				
Lexington Boulevard Northbound at Mall Ring Road North				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, April 29, 2016	14	86	75	0
Saturday, April 30, 2016	20	87	69	0.11
Sunday, May 1, 2016	14	84	73	0
Monday, May 2, 2016	17	75	61	0.05
Tuesday, May 3, 2016	28	75	57	0
Wednesday, May 4, 2016	17	81	53	0
Thursday, May 5, 2016	26	84	57	0
Friday, May 6, 2016	22	84	55	0
Saturday, May 7, 2016	32	82	57	0
Sunday, May 8, 2016	14	79	66	0
Monday, May 9, 2016	16	82	71	0.07
Tuesday, May 10, 2016	20	87	72	0
Wednesday, May 11, 2016	18	86	69	0.05
Thursday, May 12, 2016	22	89	71	0.01
Friday, May 13, 2016	18	90	70	0.03
Saturday, May 14, 2016	18	88	66	1.98
Sunday, May 15, 2016	6	81	66	1.37
Monday, May 16, 2016	2	75	66	0.36
Tuesday, May 17, 2016	0	86	66	0
Wednesday, May 18, 2016	0	82	70	0.1
Thursday, May 19, 2016	0	73	64	1.46
Friday, May 20, 2016	0	84	66	0
Saturday, May 21, 2016	0	86	71	0.17

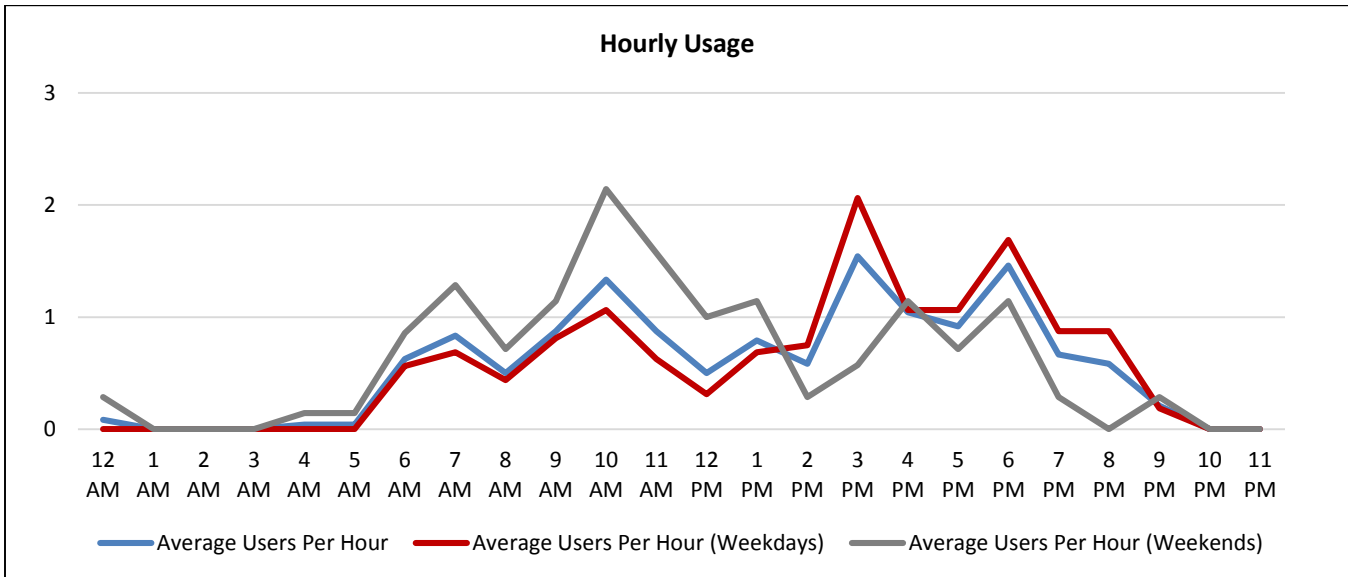
<b>Total</b>	324
<b>Average Daily Usage</b>	14
<b>Average Daily Usage (Weekday)</b>	14
<b>Average Daily Usage (Weekend)</b>	15

**Notes**  
Counter A did not accurately count users on Sunday, May 22, so data from that date is excluded.

\*Weather conditions recorded at KSGR.



<b>Hourly Usage</b>			
Lexington Boulevard Northbound at Mall Ring Road North			
<b>Time of Day</b>	<b>Average Users Per Hour</b>	<b>Average Users Per Hour (Weekdays)</b>	<b>Average Users Per Hour (Weekends)</b>
12:00 a.m.	0.1	0.0	0.3
1:00 a.m.	0.0	0.0	0.0
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.0	0.0	0.1
5:00 a.m.	0.0	0.0	0.1
6:00 a.m.	0.6	0.6	0.9
7:00 a.m.	0.8	0.7	1.3
8:00 a.m.	0.5	0.4	0.7
9:00 a.m.	0.9	0.8	1.1
10:00 a.m.	1.3	1.1	2.1
11:00 a.m.	0.9	0.6	1.6
12:00 p.m.	0.5	0.3	1.0
1:00 p.m.	0.8	0.7	1.1
2:00 p.m.	0.6	0.8	0.3
3:00 p.m.	1.5	2.1	0.6
4:00 p.m.	1.0	1.1	1.1
5:00 p.m.	0.9	1.1	0.7
6:00 p.m.	1.5	1.7	1.1
7:00 p.m.	0.7	0.9	0.3
8:00 p.m.	0.6	0.9	0.0
9:00 p.m.	0.2	0.2	0.3
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.0	0.0	0.0



## Participants

City of Sugar Land  
[www.sugarlandtx.gov](http://www.sugarlandtx.gov)

Houston-Galveston Area Council: Pedestrian-Bicyclist Planning  
[www.h-gac.com/go/pedbike](http://www.h-gac.com/go/pedbike)

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