

HOUSTON-GALVESTON AREA COUNCIL



Temporary Pedestrian/Bicycle Counters Data Summary

Deployment Summary	
Sponsoring Agency	City of Houston: Parks and Recreation Department Houston-Galveston Area Council Texas Transportation Institute
Deployment Period	Friday, January 8, 2016 – Monday, January 18, 2016
Number of Counters Deployed	13
Facility Description	Shared-Use Path along Halls Bayou in Northeast Houston
Locations Deployed (Houston-Galveston Area Council)	
Counter #1	Halls Bayou Trail at Bertrand Street
Counter #2	Halls Bayou Pedestrian Bridge at Hartwick Road
Counter #3	Halls Bayou Trail at Hopper Road
Counter #4	Halls Bayou Pedestrian Bridge at Kowis Street
Counter #5	Halls Bayou Trail at Little York Road (Road Access)
Counter #6	Halls Bayou Trail at Little York Road
Counter #7	Halls Bayou Trail at Bentley Street
Locations Deployed (Texas Transportation Institute)	
Counter A	Halls Bayou Trail at Hirsch Road
Counter B	Halls Bayou Trail at Parker Road
Counter C	Halls Bayou Trail at Homestead Road
Counter D	Halls Bayou Trail Spur at Forest Brook Middle School
Counter E	Halls Bayou Trail at Bretshire Drive
Counter F	Halls Bayou Trail at Keith-Weiss Park

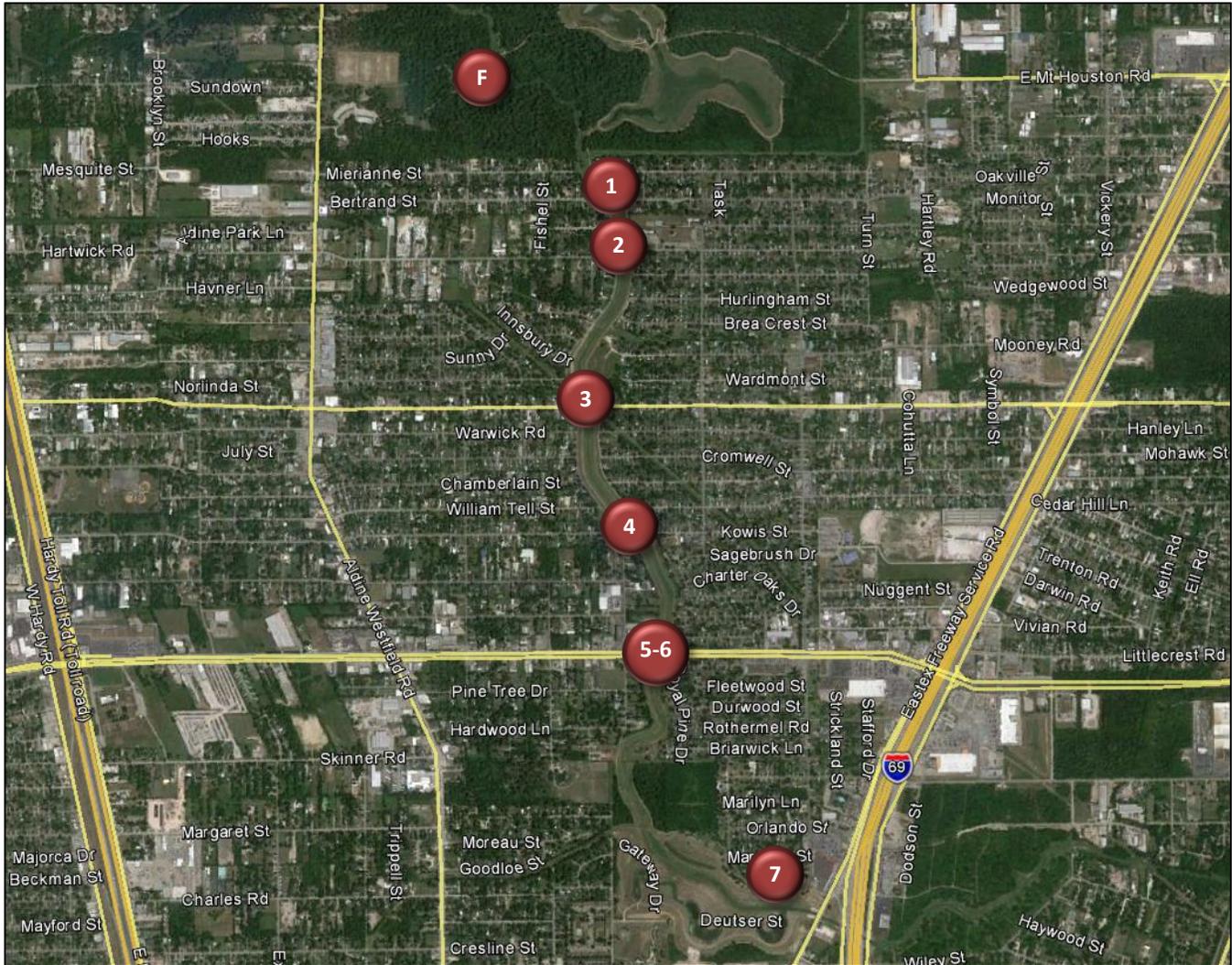
About the Temporary Pedestrian/Bicycle Counters

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

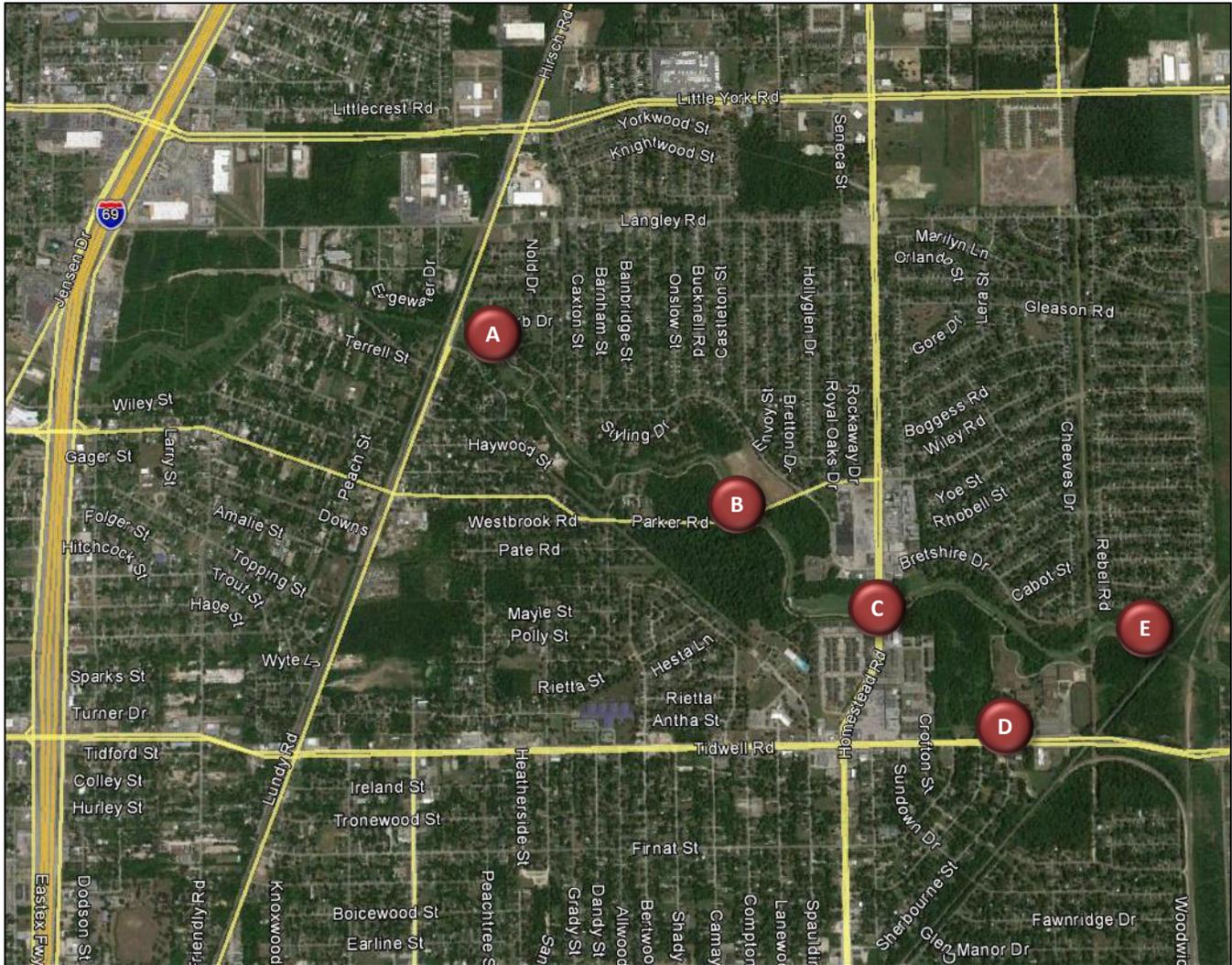
Halls Bayou Trail West: Keith-Weiss Park to U.S. 59/Interstate 69



Counter	Location	Total Users	Average Daily Usage
1	Halls Bayou Trail at Bertrand Street	676	61
2	Halls Bayou Pedestrian Bridge at Hartwick Road	1,833	167
3	Halls Bayou Trail at Hopper Road	538	49
4	Halls Bayou Pedestrian Bridge at Kowis Street	901	82
5	Halls Bayou Trail at Little York Road (Road Access)	308	28
6	Halls Bayou Trail at Little York Road	483	44
7	Halls Bayou Trail at Bentley Street	476	43
F	Halls Bayou Trail at Keith-Weiss Park	4,483	408

Counter Locations

Halls Bayou Trail East: Hirsch Road to Bretshire Drive



Counter	Location	Total Users	Average Daily Usage
A	Halls Bayou Trail at Hirsch Road	N/A	N/A
B	Halls Bayou Trail at Parker Road	146	13
C	Halls Bayou Trail at Homestead Road	98	9
D	Halls Bayou Trail Spur at Forest Brook Middle School	82	7
E	Halls Bayou Trail at Bretshire Drive	184	17

Note #1: Counter A malfunctioned and did not collect data during the deployment period.

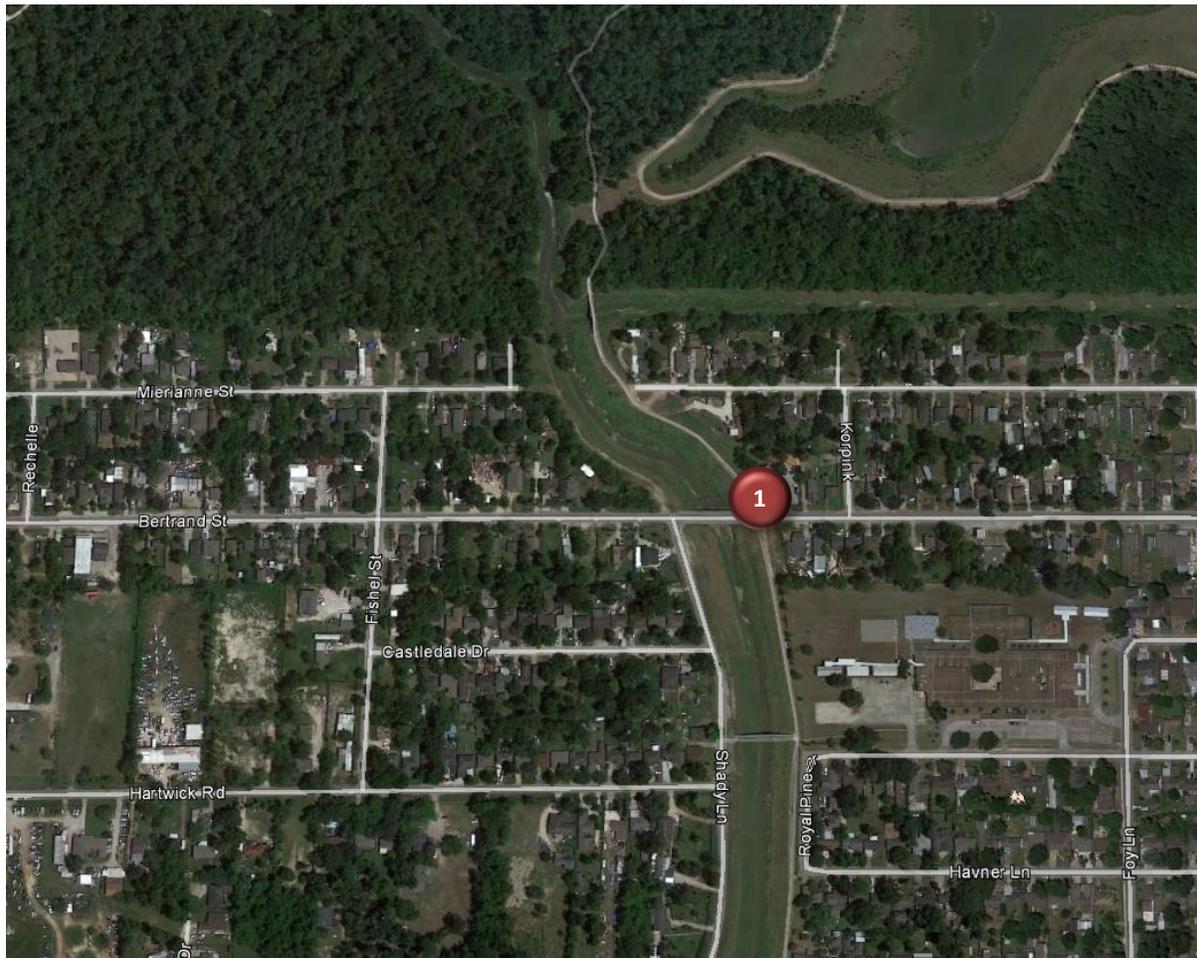
Counter #1

Halls Bayou Trail at Bertrand Street

Location Information		
Location Name	Halls Bayou Trail at Bertrand Street	
Location Description	Shared-use path along Halls Bayou at Bertrand Street	
Jurisdiction	Harris County/East Aldine District	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°53'12.38"N, 95°20'33.57"W	
Surrounding Land Uses	North	Single-Family Residential, Keith-Weiss Park
	South	Single-Family Residential, Institutional (Worsham Elementary School)
	East	Single-Family Residential
	West	Single-Family Residential
What object was device secured to?	Utility Pole North of Bertrand Street	
Sidewalk Width	6'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	No	
Sidewalk Pavement Type	Asphalt	
ADA Ramps	No	
Sidewalk Condition	Fair (Some Cracking and Edge Deterioration)	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	No	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> On average, the number of users is similar on weekdays as it is during weekends. On weekdays, usage is highest in the late afternoon (4:00 p.m. – 6:00 p.m.). During weekends, usage is highest in the late afternoon (4:00 p.m. – 5:00 p.m.). The busiest day was Monday, January 18, 2016, which was a nationally-recognized holiday (Martin Luther King, Jr. Day).

Location Information: Map



Location Information: Photos



Image 1: Halls Bayou Trail Facing North



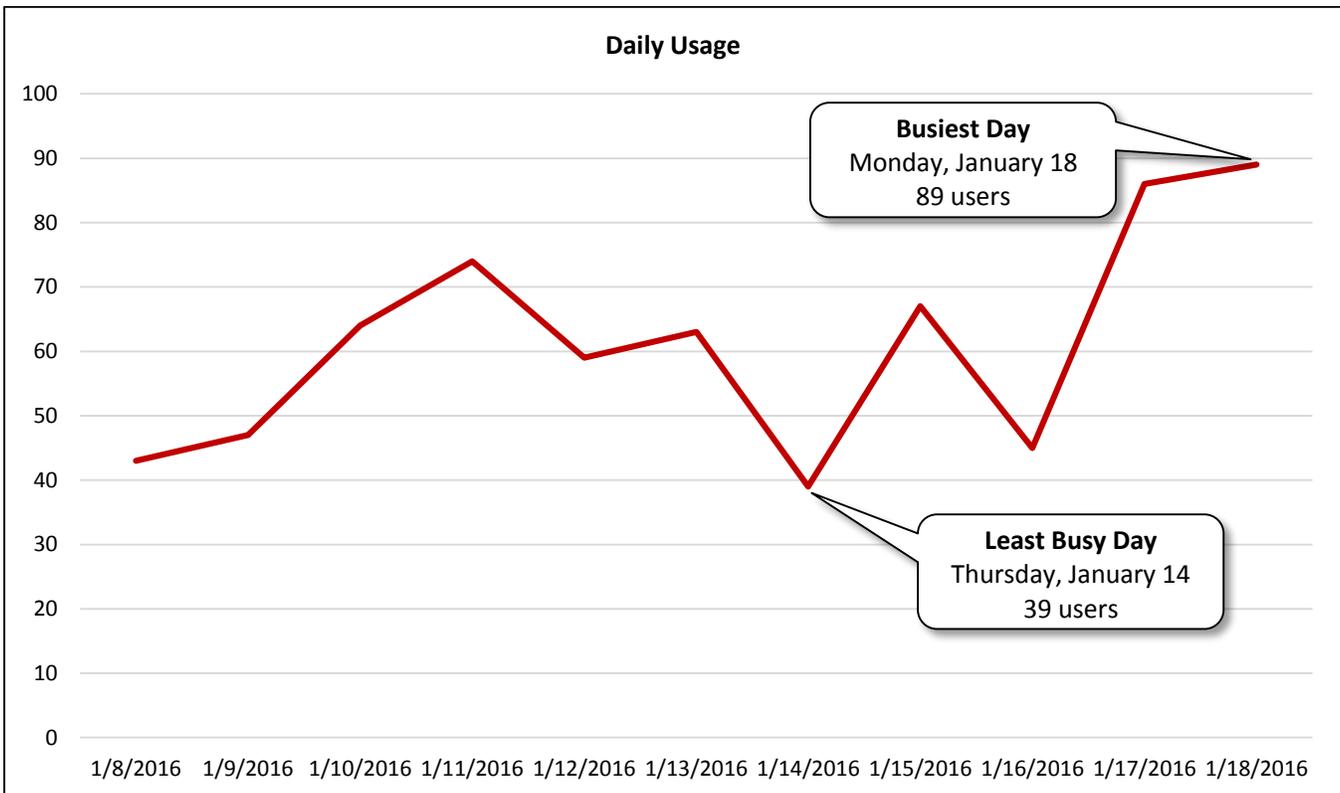
Image 2: Halls Bayou Trail Facing South

Daily Usage Halls Bayou Trail at Bertrand Street				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	43	68	50	0.06
Saturday, January 9, 2016	47	62	42	T
Sunday, January 10, 2016	64	52	37	0
Monday, January 11, 2016	74	56	32	0
Tuesday, January 12, 2016	59	62	35	0
Wednesday, January 13, 2016	63	64	36	0
Thursday, January 14, 2016	39	65	44	0
Friday, January 15, 2016	67	72	45	0
Saturday, January 16, 2016	45	60	42	0.17
Sunday, January 17, 2016	86	57	36	0
Monday, January 18, 2016	89	61	36	0

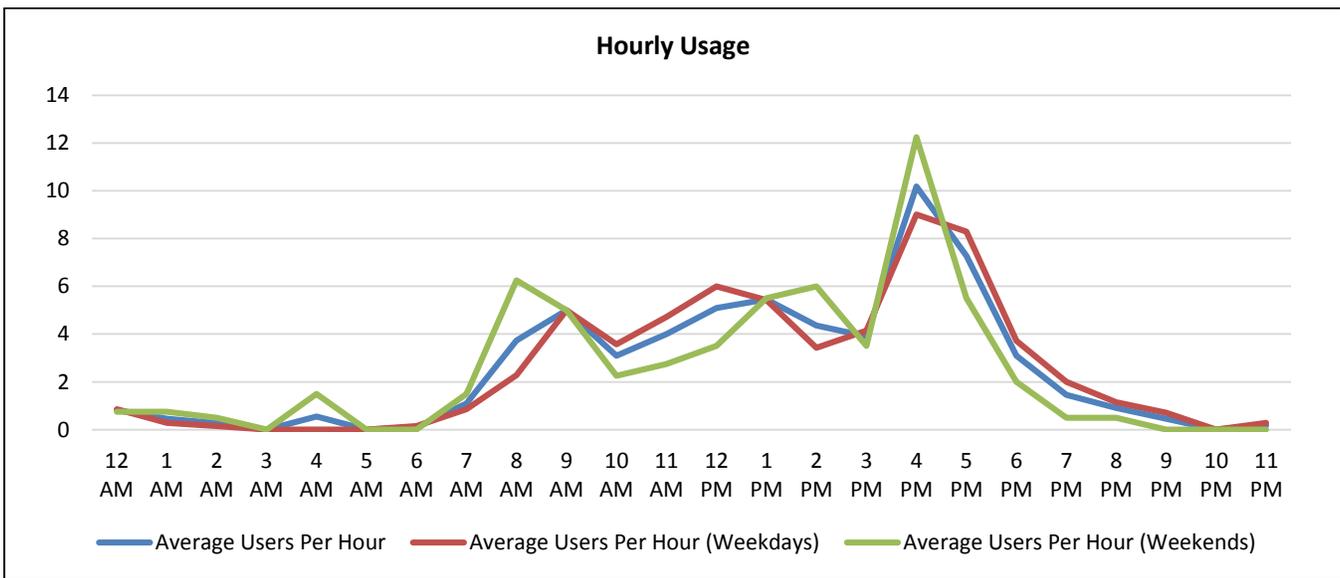
Total	676
Average Daily Usage	61
Average Daily Usage (Weekday)	62
Average Daily Usage (Weekend)	61

Notes	
Martin Luther King, Jr. Day: January 18, 2016	

*Weather conditions recorded at KHOU.



Hourly Usage Halls Bayou Trail at Bertrand Street			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.8	0.9	0.8
1:00 a.m.	0.5	0.3	0.8
2:00 a.m.	0.3	0.1	0.5
3:00 a.m.	0.0	0.0	0.0
4:00 a.m.	0.5	0.0	1.5
5:00 a.m.	0.0	0.0	0.0
6:00 a.m.	0.1	0.1	0.0
7:00 a.m.	1.1	0.9	1.5
8:00 a.m.	3.7	2.3	6.3
9:00 a.m.	5.0	5.0	5.0
10:00 a.m.	3.1	3.6	2.3
11:00 a.m.	4.0	4.7	2.8
12:00 p.m.	5.1	6.0	3.5
1:00 p.m.	5.5	5.4	5.5
2:00 p.m.	4.4	3.4	6.0
3:00 p.m.	3.9	4.1	3.5
4:00 p.m.	10.2	9.0	12.3
5:00 p.m.	7.3	8.3	5.5
6:00 p.m.	3.1	3.7	2.0
7:00 p.m.	1.5	2.0	0.5
8:00 p.m.	0.9	1.1	0.5
9:00 p.m.	0.5	0.7	0.0
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.2	0.3	0.0



Counter #2

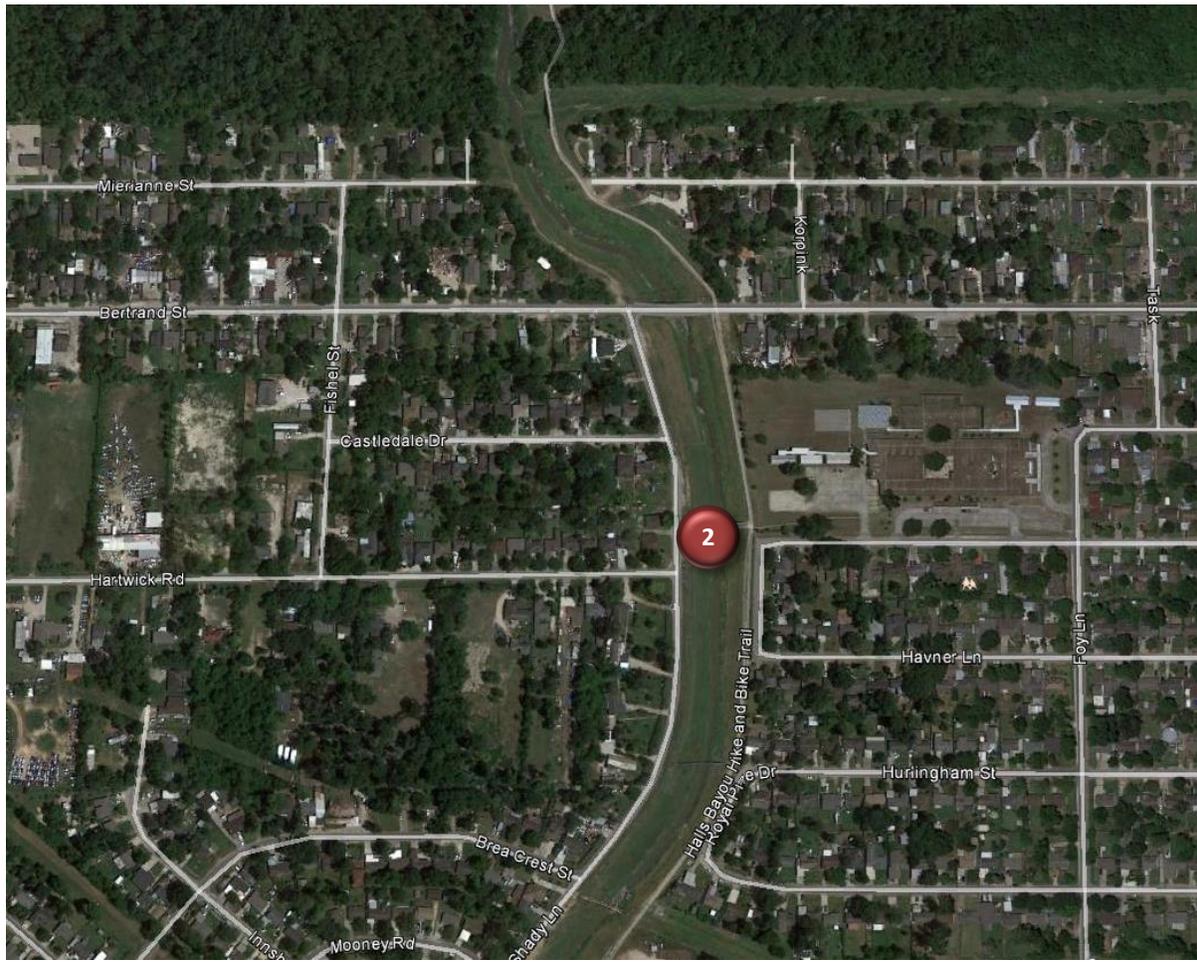
Halls Bayou Pedestrian Bridge at Hartwick Road

Location Information		
Location Name	Halls Bayou Pedestrian Bridge at Hartwick Road	
Location Description	Pedestrian bridge across Halls Bayou at Hartwick Road (adjacent to Worsham Elementary School)	
Jurisdiction	Harris County/East Aldine District	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°53'6.30"N, 95°20'33.63"W	
Surrounding Land Uses	North	Single-Family Residential, Keith-Weiss Park
	South	Single-Family Residential
	East	Institutional (Worsham Elementary School), Single-Family Residential
	West	Single-Family Residential
What object was device secured to?	Bridge Railing	
Sidewalk Width	5'	
Buffer Width	N/A (Off-Road Pedestrian Facility)	
Street Width	N/A (Off-Road Pedestrian Facility)	
Parallel Parking	N/A (Off-Road Pedestrian Facility)	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	No	
Sidewalk Condition	Fair (Some Cracking and Edge Deterioration on Approaches to Bridge)	
Speed Limit	N/A (Off-Road Pedestrian Facility)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Pedestrian Facility)	
Transit	No	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	

Trends

- There tends to be much higher usage on weekdays than during weekends.
- On weekdays, usage is highest in the afternoon (2:00 p.m. – 4:00 p.m.). Usage is also high in the morning (7:00 a.m. – 8:00 a.m.). The timeframes when usage is highest correspond with the arrival and departure of students at nearby Worsham Elementary School (7:45 a.m. – 3:00 p.m.).
- During weekends, usage peaks midday (11:00 a.m. – 2:00 p.m.).

Location Information: Map



Location Information: Photos



Image 3: Halls Bayou Pedestrian Bridge Facing East



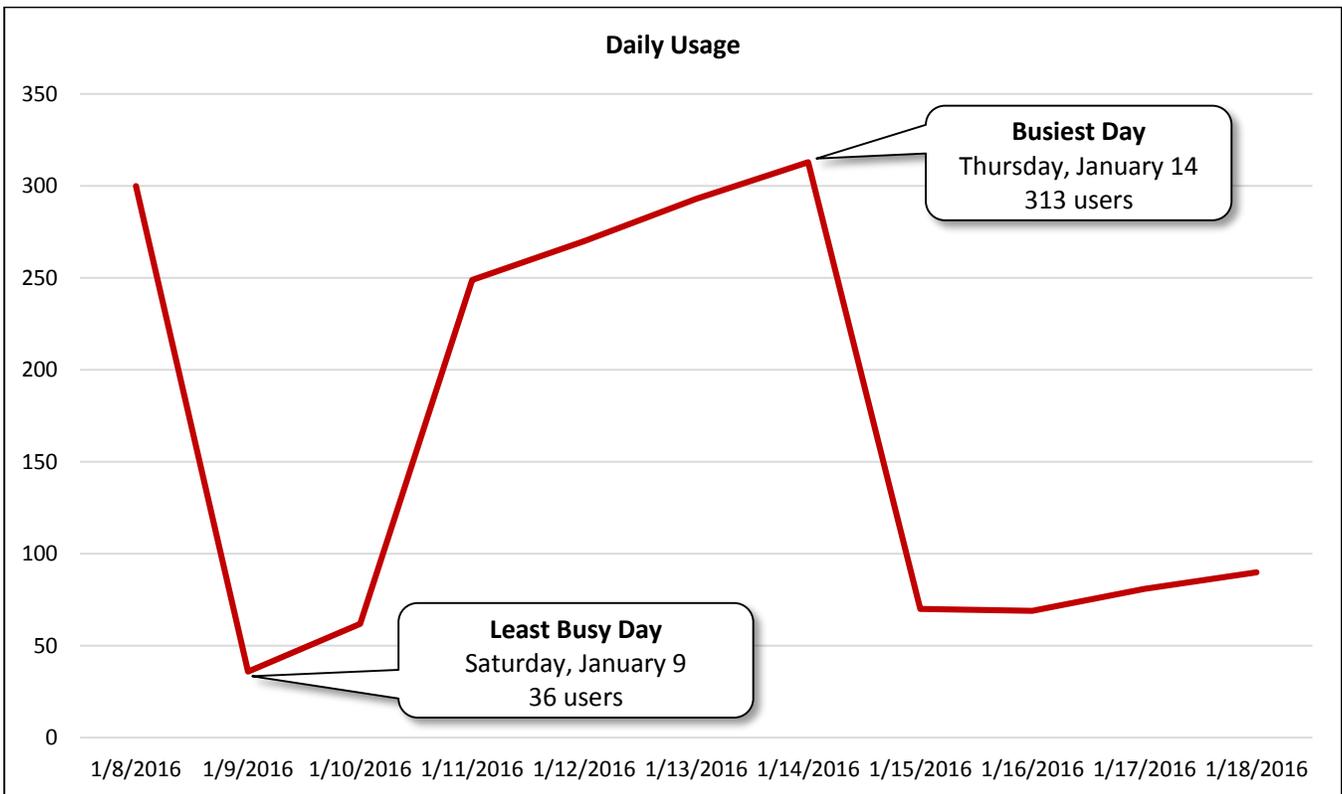
Image 4: Halls Bayou Pedestrian Bridge Facing West

Daily Usage Halls Bayou Pedestrian Bridge at Hartwick Road				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	300	68	50	0.06
Saturday, January 9, 2016	36	62	42	T
Sunday, January 10, 2016	62	52	37	0
Monday, January 11, 2016	249	56	32	0
Tuesday, January 12, 2016	270	62	35	0
Wednesday, January 13, 2016	293	64	36	0
Thursday, January 14, 2016	313	65	44	0
Friday, January 15, 2016	70	72	45	0
Saturday, January 16, 2016	69	60	42	0.17
Sunday, January 17, 2016	81	57	36	0
Monday, January 18, 2016	90	61	36	0

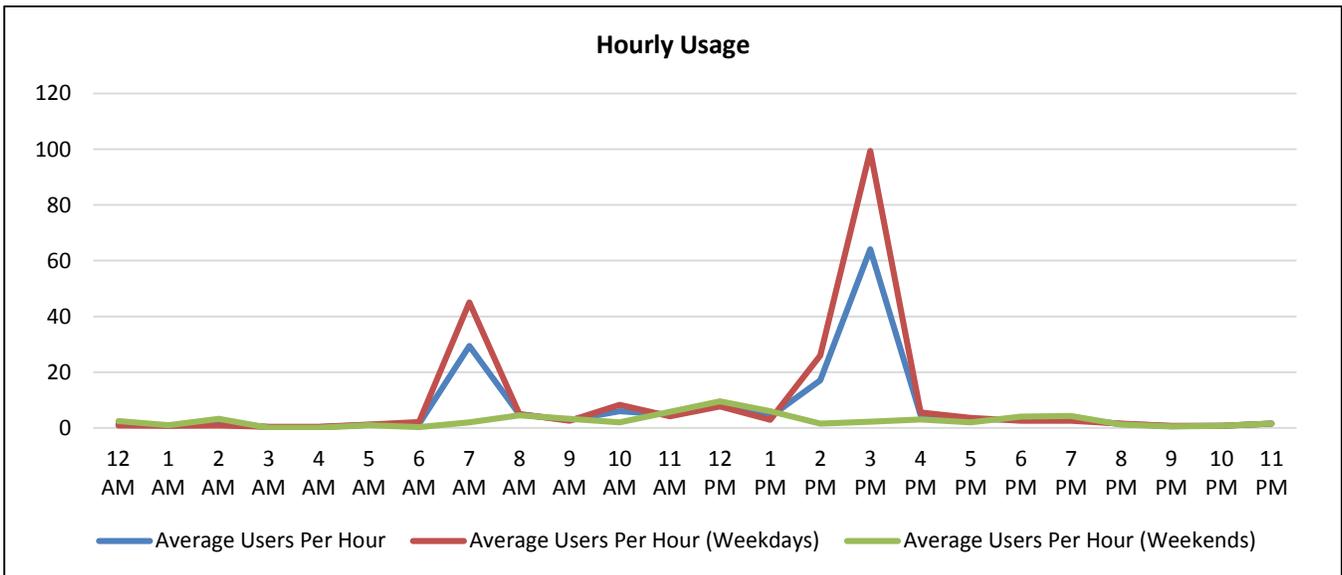
Total	1,833
Average Daily Usage	167
Average Daily Usage (Weekday)	226
Average Daily Usage (Weekend)	62

Notes
Martin Luther King, Jr. Day: January 18, 2016

*Weather conditions recorded at KHOU.



Hourly Usage			
Halls Bayou Pedestrian Bridge at Hartwick Road			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	1.5	0.9	2.5
1:00 a.m.	0.8	0.7	1.0
2:00 a.m.	1.7	0.9	3.3
3:00 a.m.	0.3	0.4	0.0
4:00 a.m.	0.3	0.4	0.0
5:00 a.m.	1.1	1.1	1.0
6:00 a.m.	1.5	2.1	0.3
7:00 a.m.	29.4	45.0	2.0
8:00 a.m.	4.8	5.0	4.5
9:00 a.m.	2.8	2.6	3.3
10:00 a.m.	6.0	8.3	2.0
11:00 a.m.	4.7	4.1	5.8
12:00 p.m.	8.4	7.7	9.5
1:00 p.m.	4.0	2.9	6.0
2:00 p.m.	17.1	26.0	1.5
3:00 p.m.	64.1	99.4	2.3
4:00 p.m.	4.6	5.6	3.0
5:00 p.m.	3.0	3.6	2.0
6:00 p.m.	3.1	2.6	4.0
7:00 p.m.	3.2	2.6	4.3
8:00 p.m.	1.5	1.6	1.3
9:00 p.m.	0.6	0.7	0.5
10:00 p.m.	0.7	0.7	0.8
11:00 p.m.	1.5	1.6	1.5



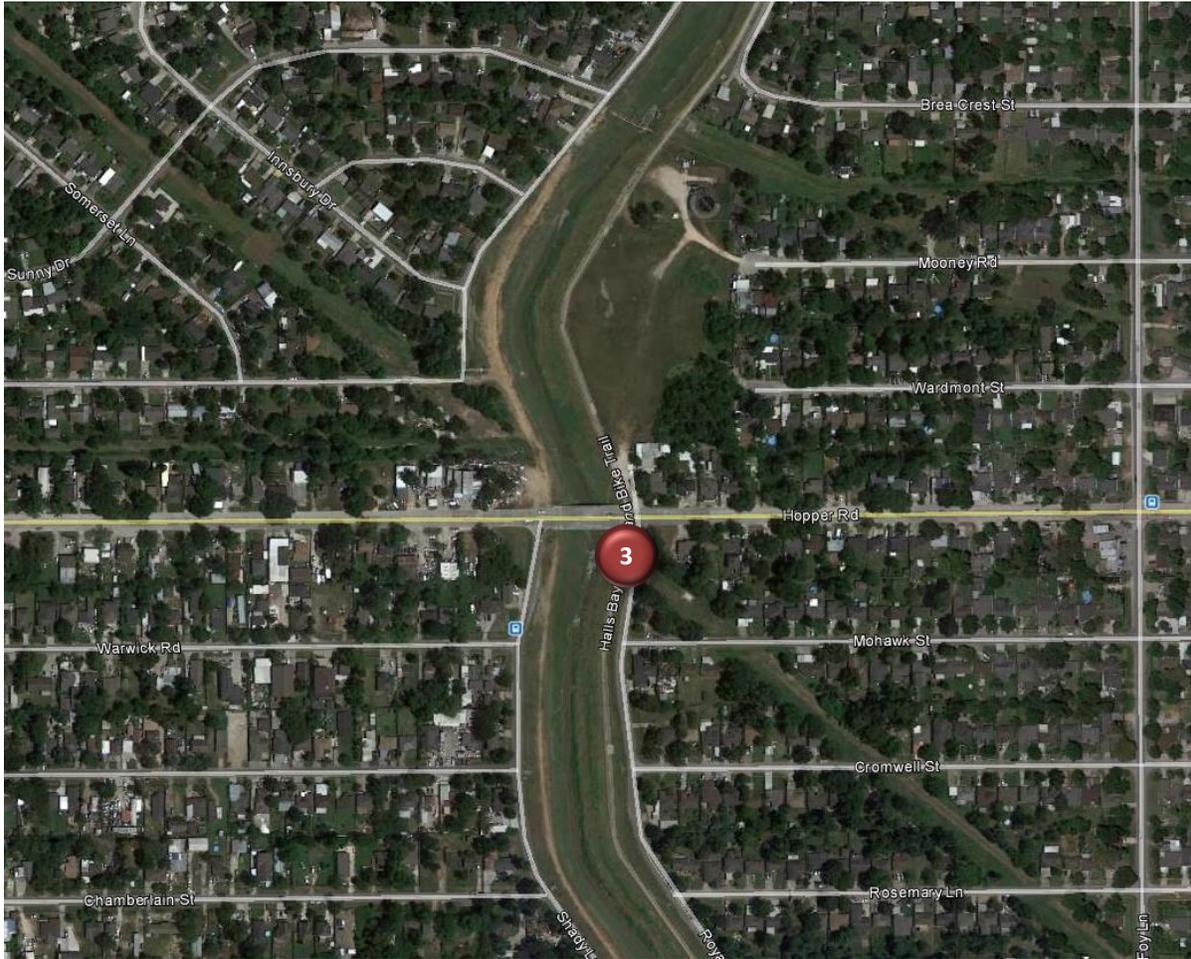
Counter #3

Halls Bayou Trail at Hopper Road

Location Information		
Location Name	Halls Bayou Trail at Hopper Road	
Location Description	Shared-use path along Halls Bayou (parallel to Royal Pine Drive) at Hopper Road	
Jurisdiction	Harris County/East Aldine District	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°52'45.47"N, 95°20'37.52"W	
Surrounding Land Uses	North	Single-Family Residential
	South	Single-family Residential
	East	Single-Family Residential
	West	Commercial, Single-Family Residential
What object was device secured to?	Sign Post (Halls Bayou Jogging Trail) South of Hopper Road	
Sidewalk Width	5'	
Buffer Width	Approximately 25' between Halls Bayou Trail and Royal Pine Drive (Varies)	
Street Width	Two-Lane Undivided Roadway	
Parallel Parking	No	
Landscaping or Trees	No	
Sidewalk Pavement Type	Asphalt	
ADA Ramps	No	
Sidewalk Condition	Fair (Some Cracking and Edge Deterioration)	
Speed Limit	30 miles per hour	
Street Lighting	No	
Street Traffic Volume	N/A	
Transit	Nearby (METRO Bus Stop 450' Southwest at Shady Lane/Warwick Road Intersection)	
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 than during weekends. • On weekdays, usage is highest in the evening (5:00 p.m. – 6:00 p.m.). • During weekends, usage remains relatively steady throughout the morning and early afternoon.

Location Information: Map



Location Information: Photos



Image 5: Halls Bayou Trail Facing North



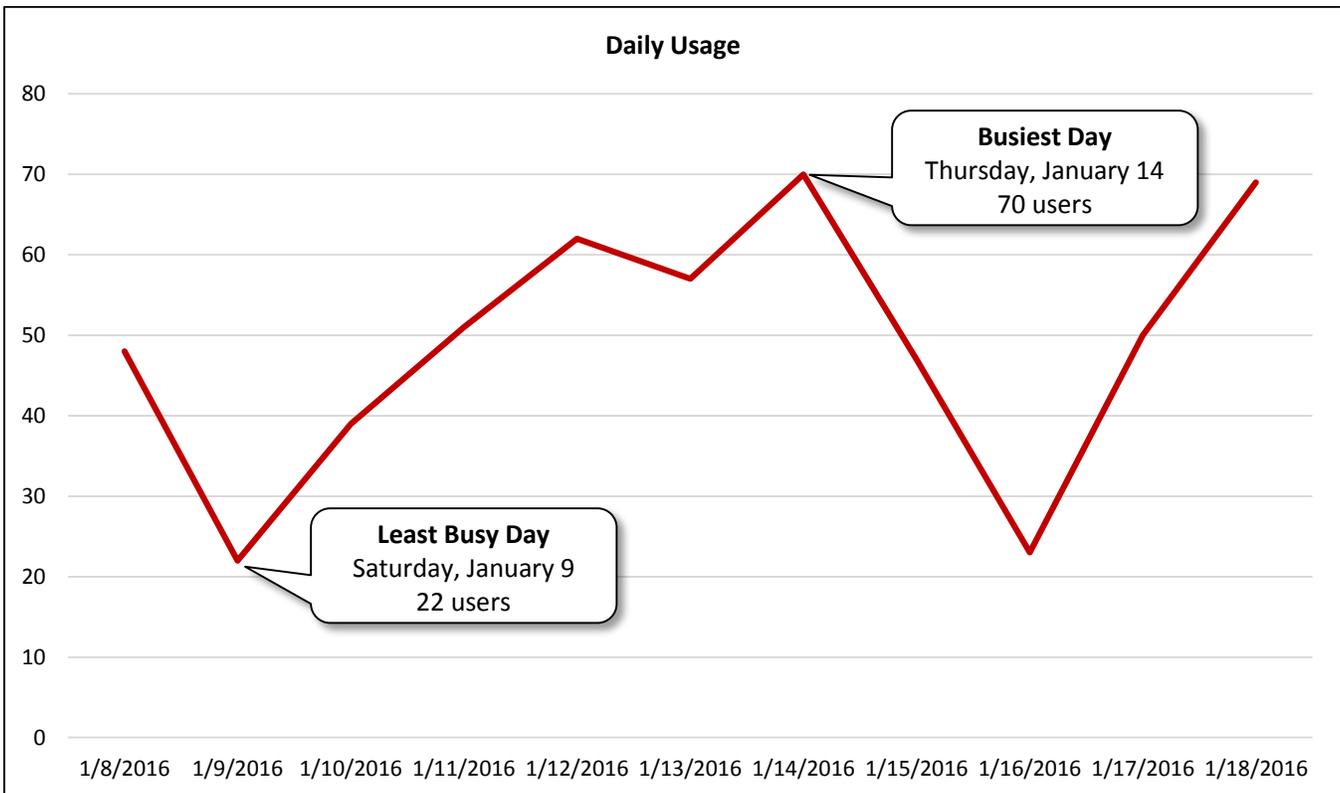
Image 6: Halls Bayou Trail Facing South

Daily Usage Halls Bayou Trail at Hopper Road				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	48	68	50	0.06
Saturday, January 9, 2016	22	62	42	T
Sunday, January 10, 2016	39	52	37	0
Monday, January 11, 2016	51	56	32	0
Tuesday, January 12, 2016	62	62	35	0
Wednesday, January 13, 2016	57	64	36	0
Thursday, January 14, 2016	70	65	44	0
Friday, January 15, 2016	47	72	45	0
Saturday, January 16, 2016	23	60	42	0.17
Sunday, January 17, 2016	50	57	36	0
Monday, January 18, 2016	69	61	36	0

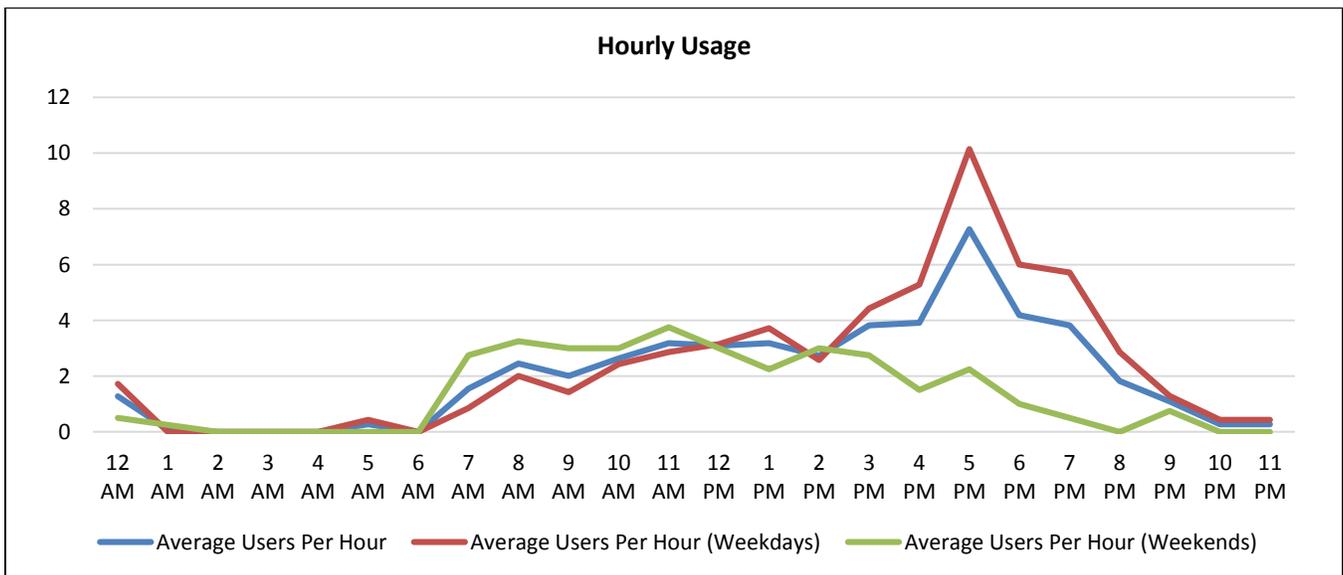
Total	538
Average Daily Usage	49
Average Daily Usage (Weekday)	58
Average Daily Usage (Weekend)	34

Notes
Martin Luther King, Jr. Day: January 18, 2016

*Weather conditions recorded at KHOU.



Hourly Usage Halls Bayou Trail at Hopper Road			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	1.3	1.7	0.5
1:00 a.m.	0.1	0.0	0.3
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.	0.3	0.4	0.0
6:00 a.m.	0.0	0.0	0.0
7:00 a.m.	1.5	0.9	2.8
8:00 a.m.	2.5	2.0	3.3
9:00 a.m.	2.0	1.4	3.0
10:00 a.m.	2.6	2.4	3.0
11:00 a.m.	3.2	2.9	3.8
12:00 p.m.	3.1	3.1	3.0
1:00 p.m.	3.2	3.7	2.3
2:00 p.m.	2.7	2.6	3.0
3:00 p.m.	3.8	4.4	2.8
4:00 p.m.	3.9	5.3	1.5
5:00 p.m.	7.3	10.1	2.3
6:00 p.m.	4.2	6.0	1.0
7:00 p.m.	3.8	5.7	0.5
8:00 p.m.	1.8	2.9	0.0
9:00 p.m.	1.1	1.3	0.8
10:00 p.m.	0.3	0.4	0.0
11:00 p.m.	0.3	0.4	0.0



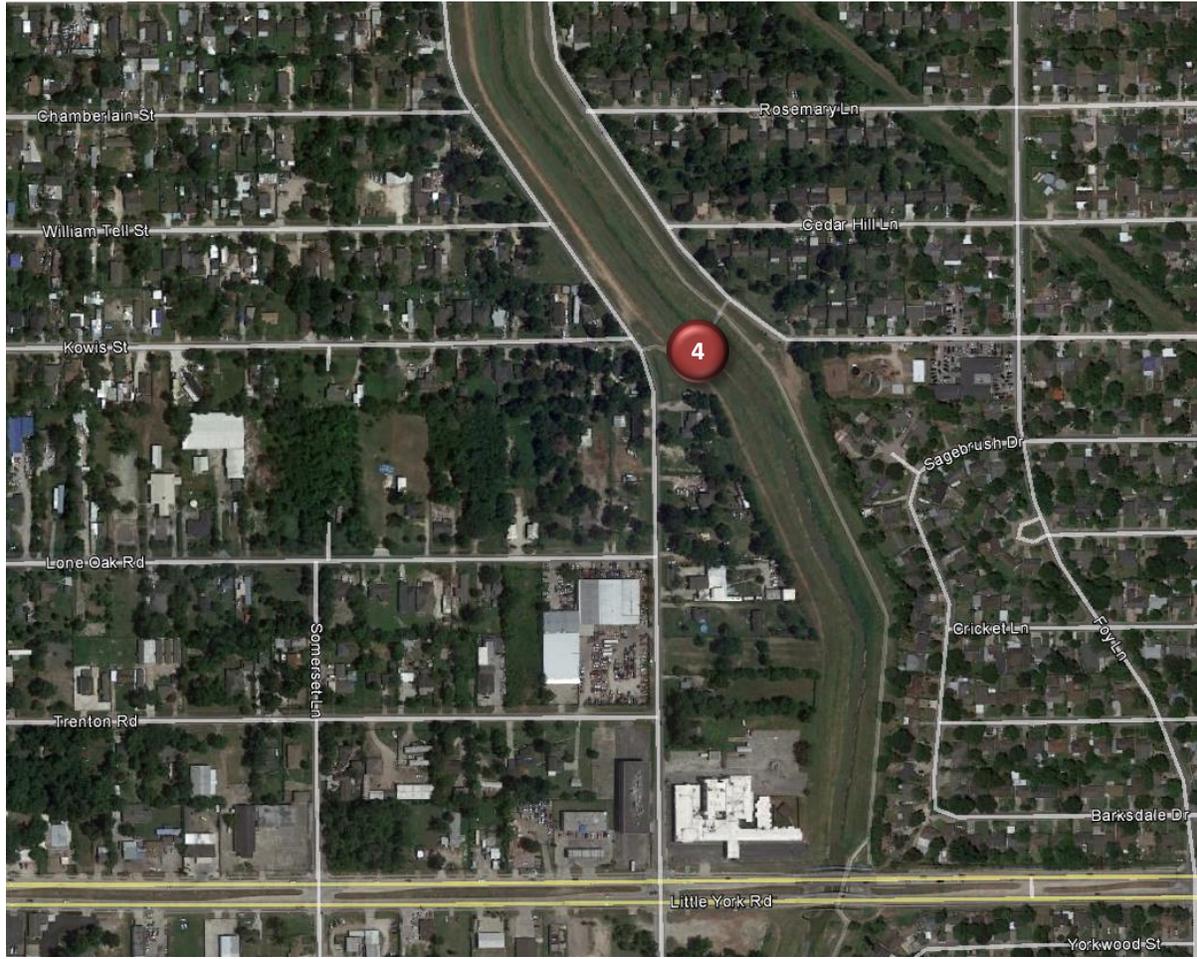
Counter #4

Halls Bayou Pedestrian Bridge at Kowis Street

Location Information		
Location Name	Halls Bayou Pedestrian Bridge at Kowis Street	
Location Description	Pedestrian bridge across Halls Bayou at Kowis Street	
Jurisdiction	Harris County/East Aldine District	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°52'30.53"N, 95°20'32.28"W	
Surrounding Land Uses	North	Single-Family Residential
	South	Single-Family Residential, Commercial, Office
	East	Water Treatment Facility, Institutional (Church), Single-Family Residential
	West	Single-Family Residential
What object was device secured to?	Bridge Railing	
Sidewalk Width	5'	
Buffer Width	N/A (Off-Road Pedestrian Facility)	
Street Width	N/A (Off-Road Pedestrian Facility)	
Parallel Parking	N/A (Off-Road Pedestrian Facility)	
Landscaping or Trees	No	
Sidewalk Pavement Type	Concrete	
ADA Ramps	No	
Sidewalk Condition	Fair (Some Cracking and Edge Deterioration on Approaches to Bridge)	
Speed Limit	N/A (Off-Road Pedestrian Facility)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Pedestrian Facility)	
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 than during weekends. • On weekdays, usage is highest in the evening (5:00 p.m. – 6:00 p.m.). • During weekends, usage varies throughout the day. Usage is highest in the early morning (2:00 a.m. – 3:00 a.m.) and mid-afternoon (2:00 p.m. – 3:00 p.m.).

Location Information: Map



Location Information: Photos



Image 7: Halls Bayou Pedestrian Bridge Facing East

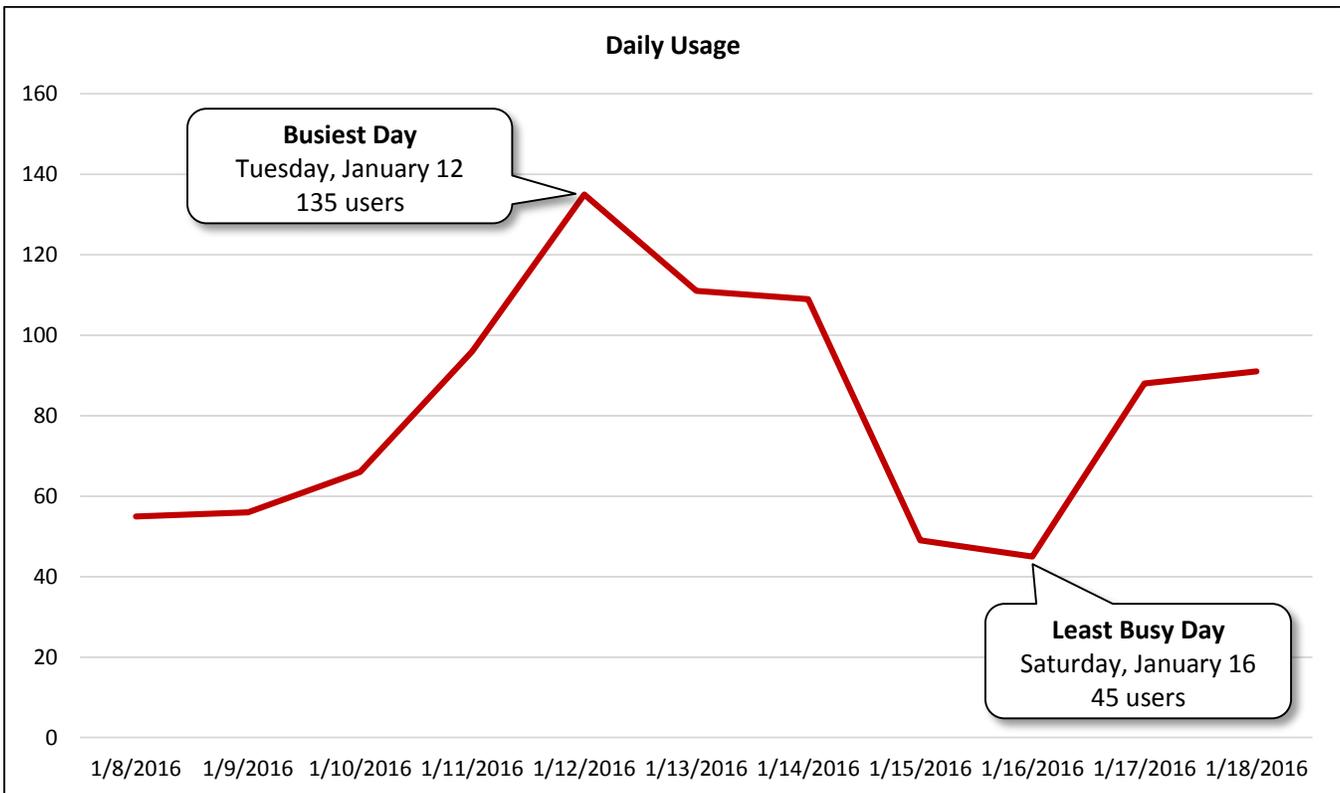


Image 8: Halls Bayou Pedestrian Bridge Facing West

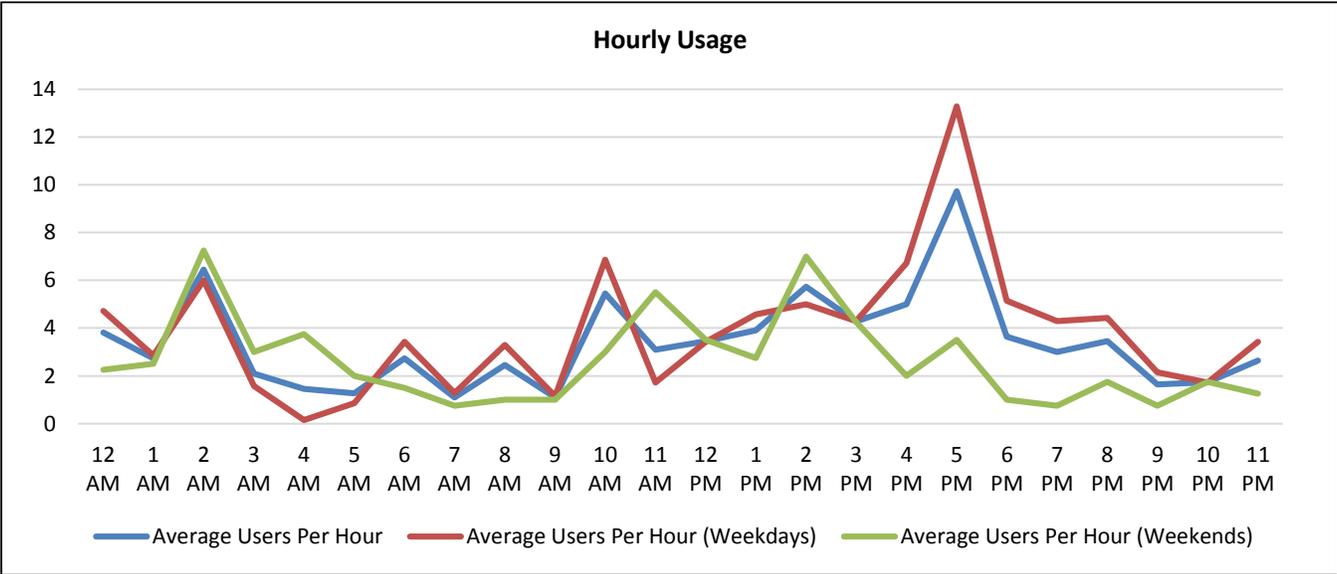
Daily Usage Halls Bayou Pedestrian Bridge at Kowis Street				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	55	68	50	0.06
Saturday, January 9, 2016	56	62	42	T
Sunday, January 10, 2016	66	52	37	0
Monday, January 11, 2016	96	56	32	0
Tuesday, January 12, 2016	135	62	35	0
Wednesday, January 13, 2016	111	64	36	0
Thursday, January 14, 2016	109	65	44	0
Friday, January 15, 2016	49	72	45	0
Saturday, January 16, 2016	45	60	42	0.17
Sunday, January 17, 2016	88	57	36	0
Monday, January 18, 2016	91	61	36	0
Total	901			
Average Daily Usage	82			
Average Daily Usage (Weekday)	92			
Average Daily Usage (Weekend)	64			

Notes	
Martin Luther King, Jr. Day: January 18, 2016	

*Weather conditions recorded at KHOU.



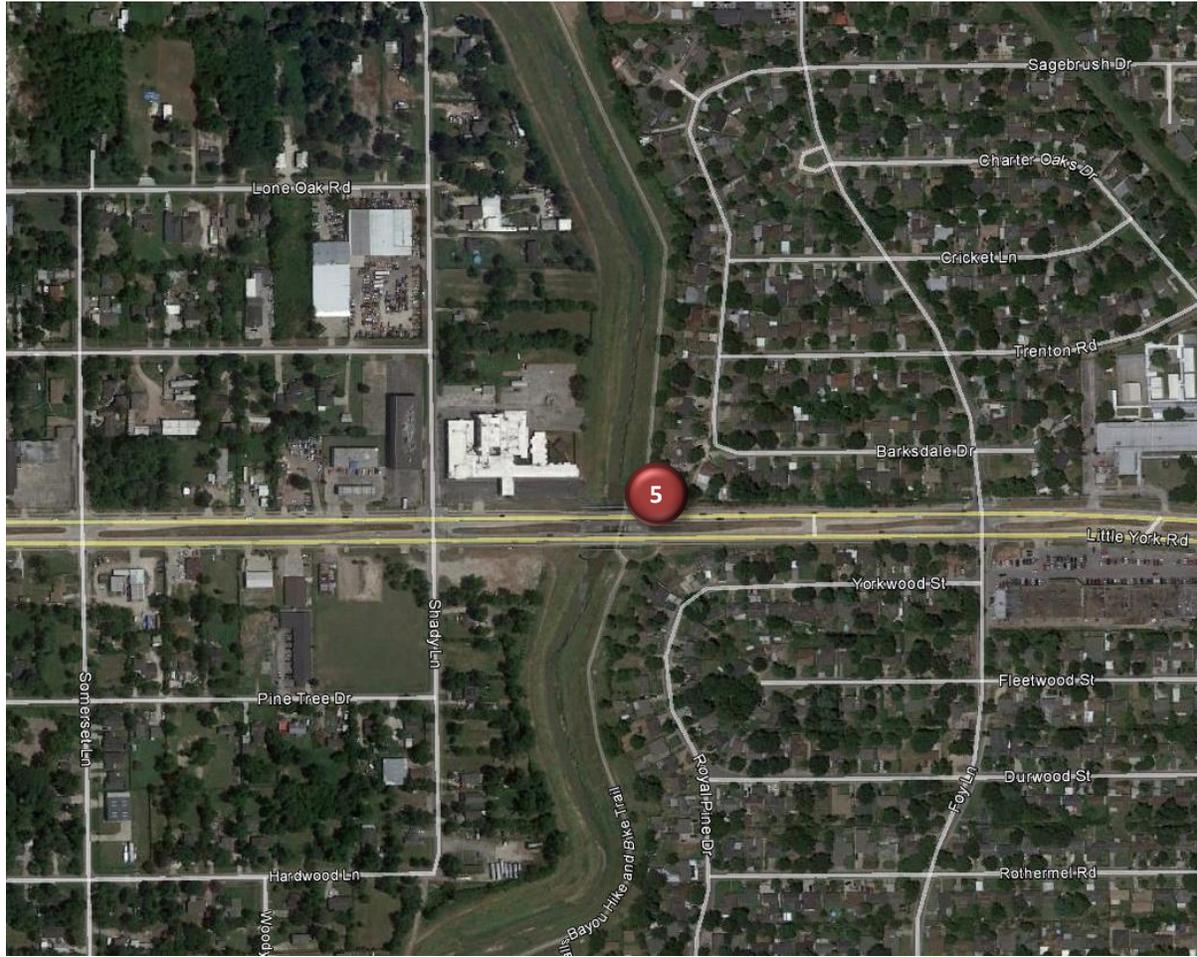
Hourly Usage Halls Bayou Pedestrian Bridge at Kowis Street			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	3.8	4.7	2.3
1:00 a.m.	2.7	2.9	2.5
2:00 a.m.	6.5	6.0	7.3
3:00 a.m.	2.1	1.6	3.0
4:00 a.m.	1.5	0.1	3.8
5:00 a.m.	1.3	0.9	2.0
6:00 a.m.	2.7	3.4	1.5
7:00 a.m.	1.1	1.3	0.8
8:00 a.m.	2.5	3.3	1.0
9:00 a.m.	1.1	1.1	1.0
10:00 a.m.	5.5	6.9	3.0
11:00 a.m.	3.1	1.7	5.5
12:00 p.m.	3.5	3.4	3.5
1:00 p.m.	3.9	4.6	2.8
2:00 p.m.	5.7	5.0	7.0
3:00 p.m.	4.3	4.3	4.3
4:00 p.m.	5.0	6.7	2.0
5:00 p.m.	9.7	13.3	3.5
6:00 p.m.	3.6	5.1	1.0
7:00 p.m.	3.0	4.3	0.8
8:00 p.m.	3.5	4.4	1.8
9:00 p.m.	1.6	2.1	0.8
10:00 p.m.	1.7	1.7	1.8
11:00 p.m.	2.6	3.4	1.3



Counter #5**Halls Bayou Trail at Little York Road (Road Access)**

Location Information		
Location Name	Halls Bayou Trail at Little York Road (Road Access)	
Location Description	Shared-use path connecting sidewalk along Little York Road Westbound with Halls Bayou Trail	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°52'16.41"N, 95°20'26.95"W	
Surrounding Land Uses	North	Single-Family Residential
	South	Single-Family Residential
	East	Single-Family Residential, Commercial, Institutional (Scarborough Elementary School)
	West	Commercial, Office, Single-Family Residential
What object was device secured to?	Gate Post North of Little York Road	
Sidewalk Width	6'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	No	
Sidewalk Pavement Type	Asphalt	
ADA Ramps	No	
Sidewalk Condition	Poor (Major Cracking and Edge Deterioration)	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	Nearby (METRO Bus Stop 400' West at Little York Road/Shady Lane Intersection)	
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 than during weekends. On weekdays, usage generally increases as the day progresses, peaking in the late afternoon (3:00 p.m. – 6:00 p.m.). During weekends, usage peaks in the late afternoon (3:00 p.m. – 4:00 p.m.). 		

Location Information: Map



Location Information: Photos



Image 9: Halls Bayou Trail – Little York Road Access Facing North



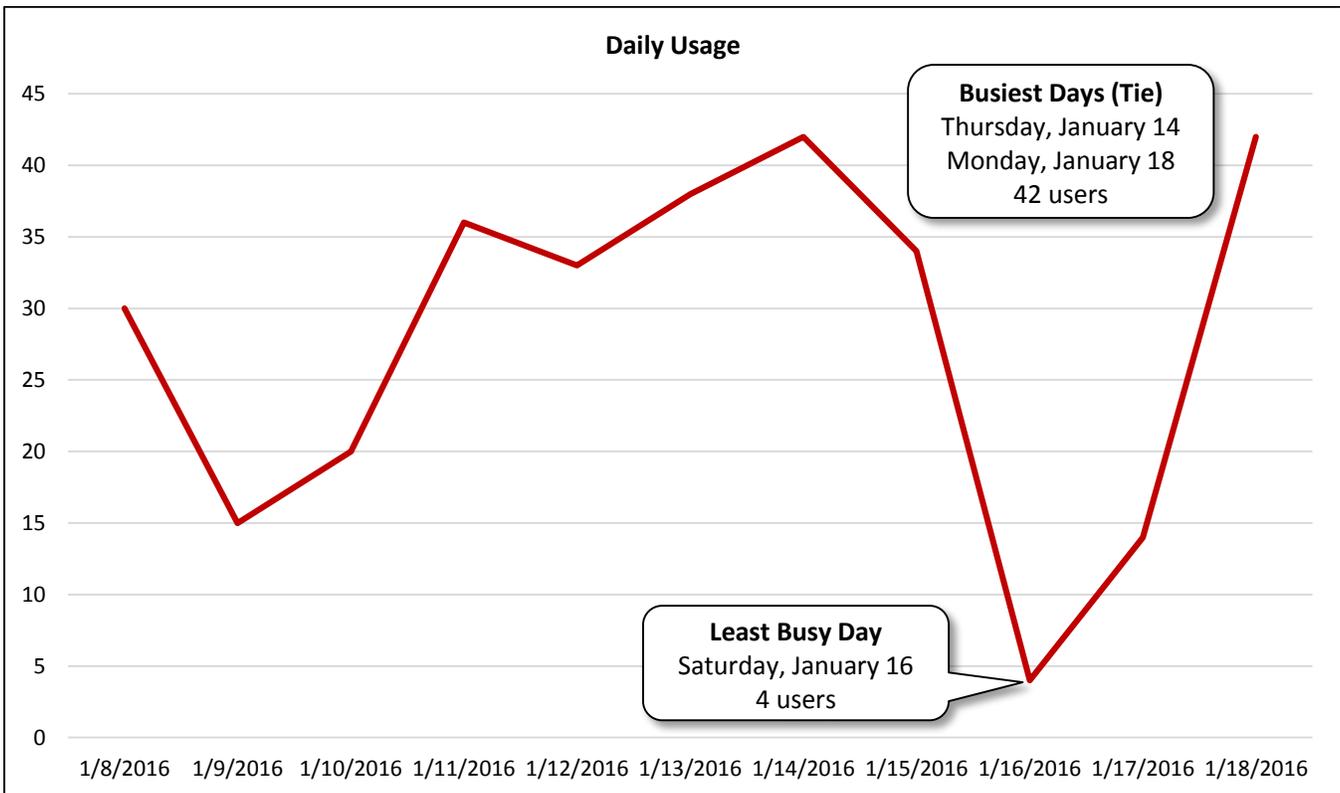
Image 10: Halls Bayou Trail – Little York Road Access Facing South

Daily Usage				
Halls Bayou Trail at Little York Road (Road Access)				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	30	68	50	0.06
Saturday, January 9, 2016	15	62	42	T
Sunday, January 10, 2016	20	52	37	0
Monday, January 11, 2016	36	56	32	0
Tuesday, January 12, 2016	33	62	35	0
Wednesday, January 13, 2016	38	64	36	0
Thursday, January 14, 2016	42	65	44	0
Friday, January 15, 2016	34	72	45	0
Saturday, January 16, 2016	4	60	42	0.17
Sunday, January 17, 2016	14	57	36	0
Monday, January 18, 2016	42	61	36	0

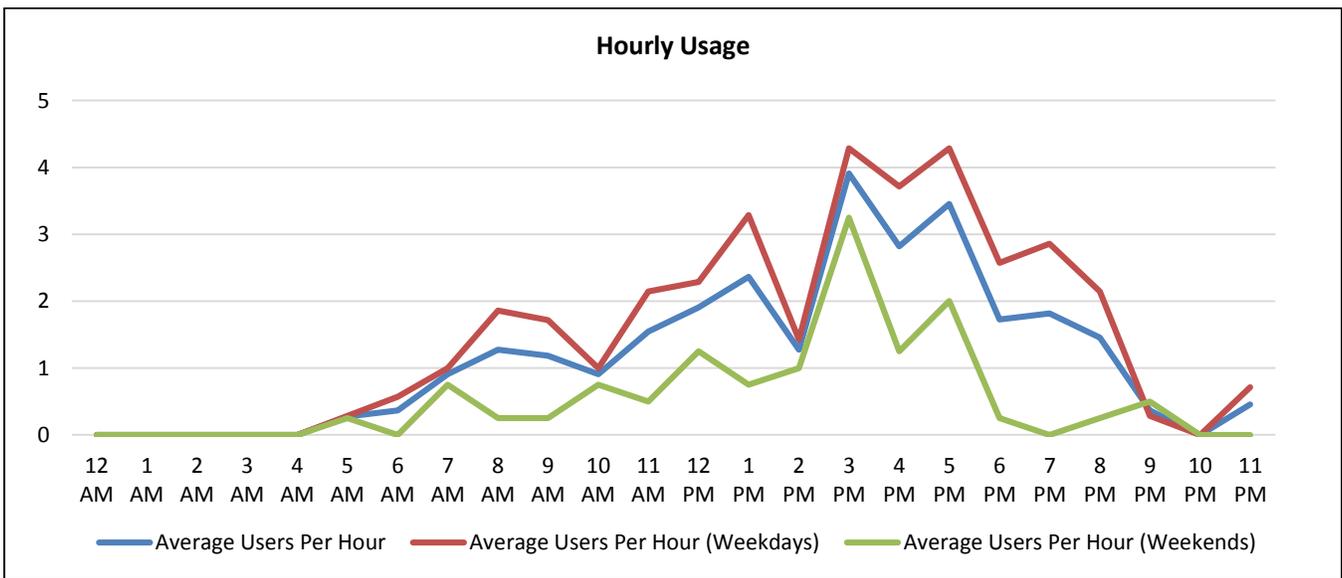
Total	308
Average Daily Usage	28
Average Daily Usage (Weekday)	36
Average Daily Usage (Weekend)	13

Notes
Martin Luther King, Jr. Day: January 18, 2016

*Weather conditions recorded at KHOU.



Hourly Usage			
Halls Bayou Trail at Little York Road (Road Access)			
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.	0.3	0.3	0.3
6:00 a.m.	0.4	0.6	0.0
7:00 a.m.	0.9	1.0	0.8
8:00 a.m.	1.3	1.9	0.3
9:00 a.m.	1.2	1.7	0.3
10:00 a.m.	0.9	1.0	0.8
11:00 a.m.	1.5	2.1	0.5
12:00 p.m.	1.9	2.3	1.3
1:00 p.m.	2.4	3.3	0.8
2:00 p.m.	1.3	1.4	1.0
3:00 p.m.	3.9	4.3	3.3
4:00 p.m.	2.8	3.7	1.3
5:00 p.m.	3.5	4.3	2.0
6:00 p.m.	1.7	2.6	0.3
7:00 p.m.	1.8	2.9	0.0
8:00 p.m.	1.5	2.1	0.3
9:00 p.m.	0.4	0.3	0.5
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.5	0.7	0.0



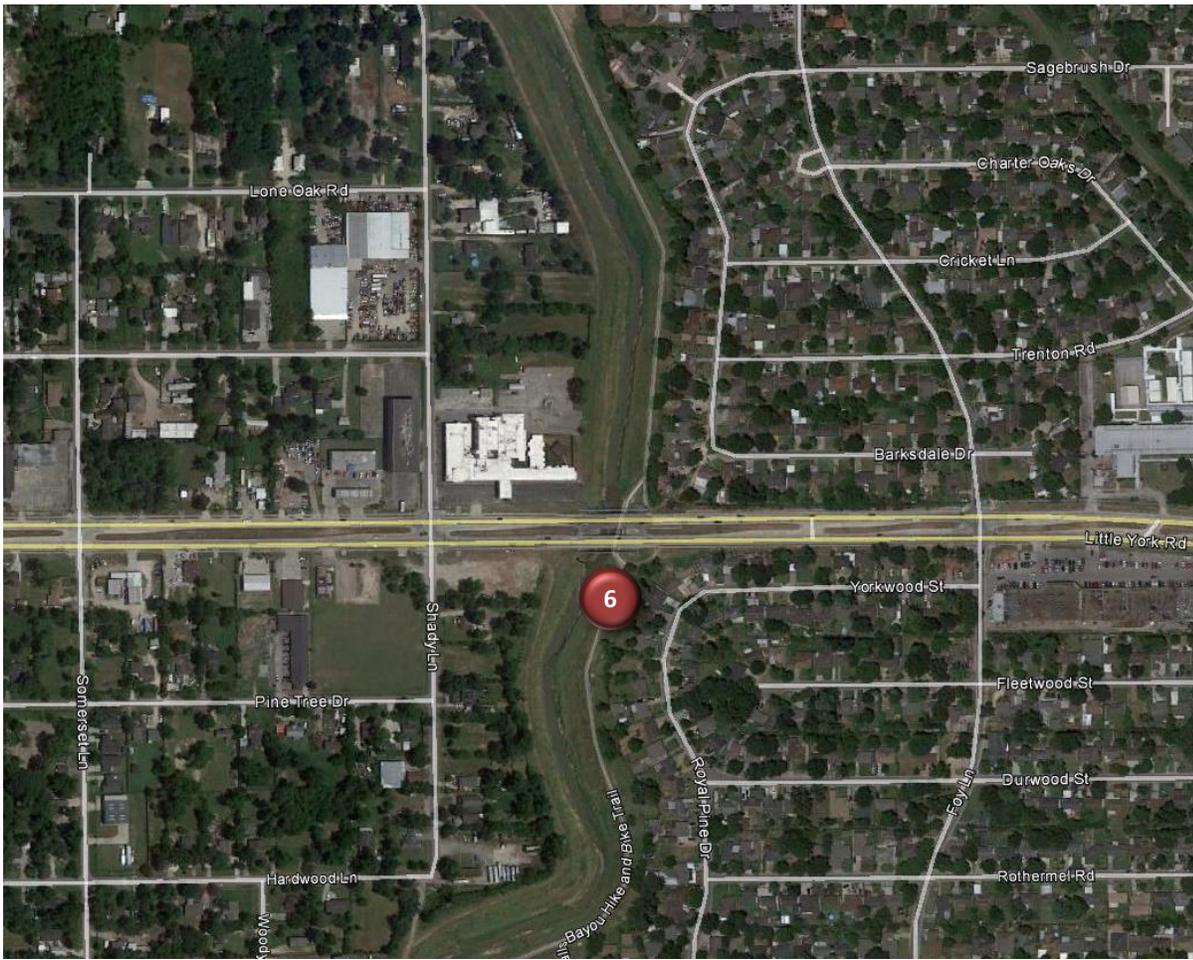
Counter #6

Halls Bayou Trail at Little York Road

Location Information	
Location Name	Halls Bayou Trail at Little York Road
Location Description	Shared-use path along Halls Bayou at Little York Road
Jurisdiction	City of Houston
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department
GPS Coordinates	29°52'14.03"N, 95°20'28.10"W
Surrounding Land Uses	North Single-Family Residential
	South Single-Family Residential
	East Single-Family Residential, Commercial, Institutional (Scarborough Elementary School)
	West Commercial, Office, Single-Family Residential
What object was device secured to?	Sign Post (Trail for Joggers and Walkers Only/No Motorized Vehicles) South of Little York Road
Sidewalk Width	6'
Buffer Width	N/A (Off-Road Shared-Use Path)
Street Width	N/A (Off-Road Shared-Use Path)
Parallel Parking	N/A (Off-Road Shared-Use Path)
Landscaping or Trees	No
Sidewalk Pavement Type	Asphalt
ADA Ramps	No
Sidewalk Condition	Poor (Major Cracking, Edge Deterioration, and Vegetation Growing in Cracks)
Speed Limit	N/A (Off-Road Shared-Use Path)
Street Lighting	No
Street Traffic Volume	N/A (Off-Road Shared-Use Path)
Transit	Nearby (METRO Bus Stop 400' West at Little York Road/Shady Lane Intersection)
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 than during weekends. • On weekdays, usage peaks in the early afternoon (12:00 p.m. – 2:00 p.m.) and evening (5:00 p.m. – 6:00 p.m.). • During weekends, usage varies throughout the day. Usage is highest in the morning (7:00 a.m. – 8:00 a.m.).

Location Information: Map



Location Information: Photos



Image 11: Halls Bayou Trail Facing North

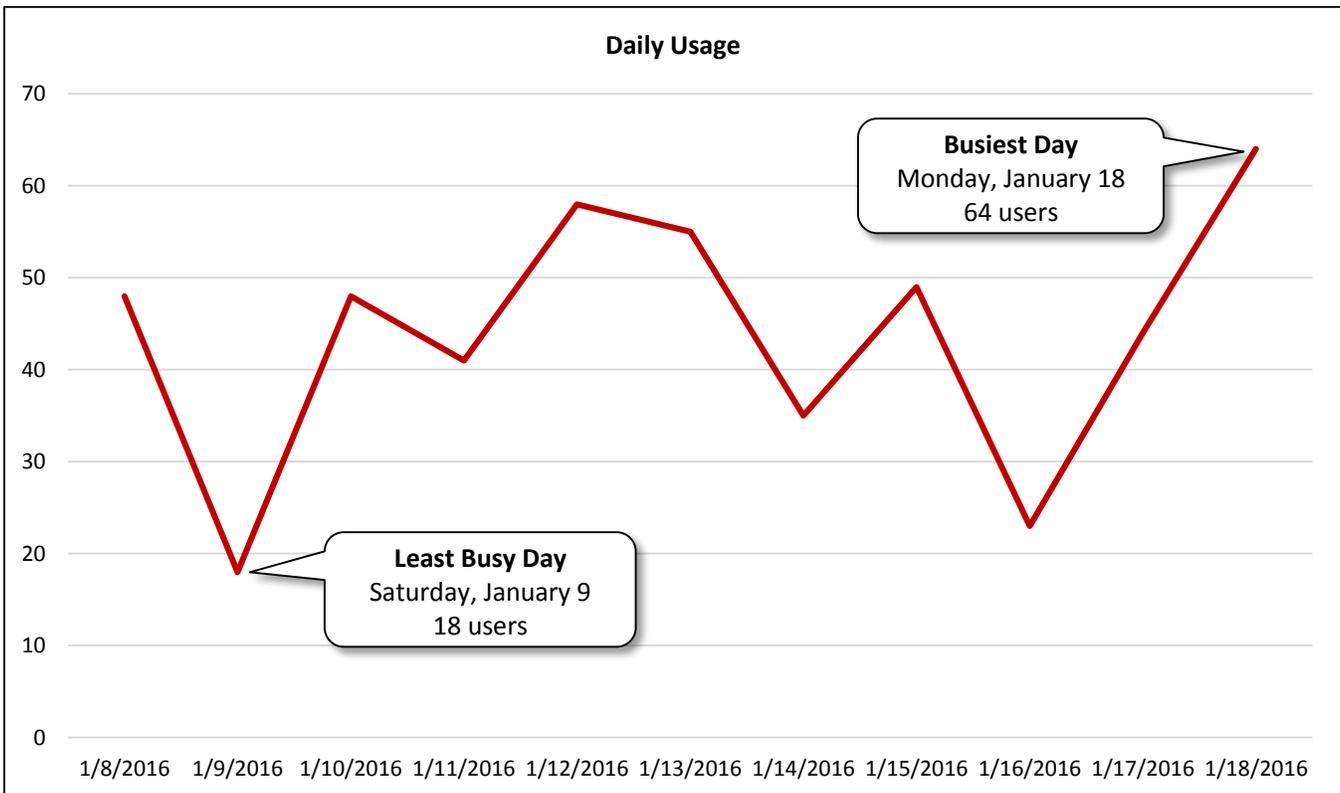


Image 12: Halls Bayou Trail Facing South

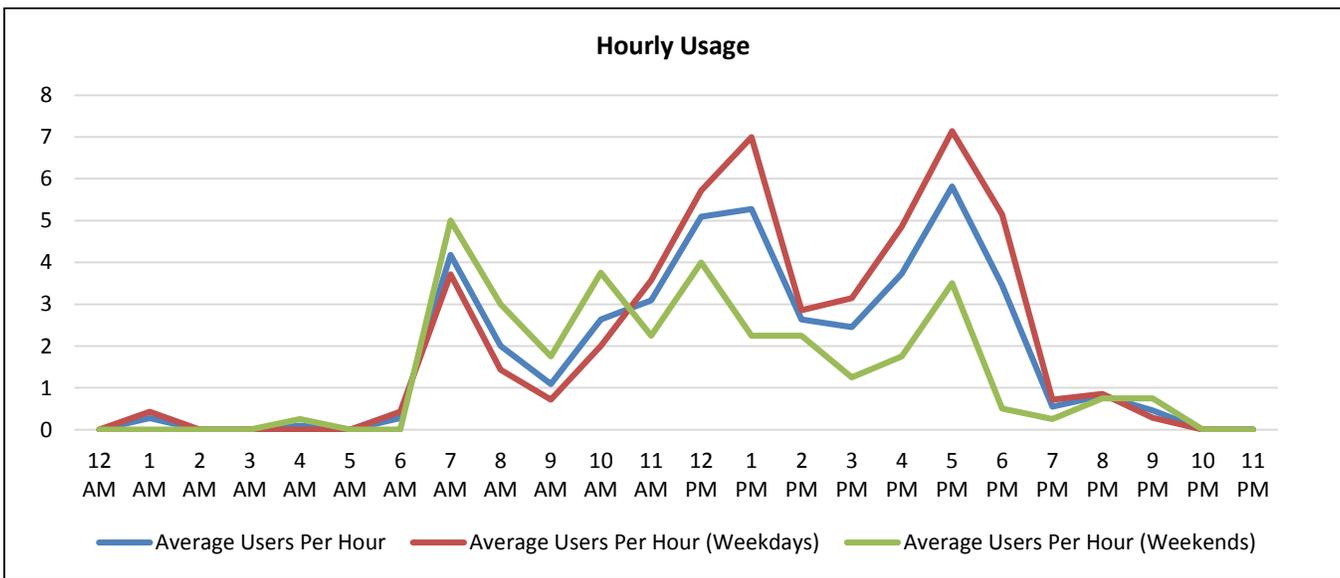
Daily Usage Halls Bayou Trail at Little York Road				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	48	68	50	0.06
Saturday, January 9, 2016	18	62	42	T
Sunday, January 10, 2016	48	52	37	0
Monday, January 11, 2016	41	56	32	0
Tuesday, January 12, 2016	58	62	35	0
Wednesday, January 13, 2016	55	64	36	0
Thursday, January 14, 2016	35	65	44	0
Friday, January 15, 2016	49	72	45	0
Saturday, January 16, 2016	23	60	42	0.17
Sunday, January 17, 2016	44	57	36	0
Monday, January 18, 2016	64	61	36	0
Total	483			
Average Daily Usage	44			
Average Daily Usage (Weekday)	50			
Average Daily Usage (Weekend)	33			

Notes	
Martin Luther King, Jr. Day: January 18, 2016	

*Weather conditions recorded at KHOU.



Hourly Usage Halls Bayou Trail at Little York 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	0.0
1:00 a.m.	0.3	0.4	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	0.0	0.3
5:00 a.m.	0.0	0.0	0.0
6:00 a.m.	0.3	0.4	0.0
7:00 a.m.	4.2	3.7	5.0
8:00 a.m.	2.0	1.4	3.0
9:00 a.m.	1.1	0.7	1.8
10:00 a.m.	2.6	2.0	3.8
11:00 a.m.	3.1	3.6	2.3
12:00 p.m.	5.1	5.7	4.0
1:00 p.m.	5.3	7.0	2.3
2:00 p.m.	2.6	2.9	2.3
3:00 p.m.	2.5	3.1	1.3
4:00 p.m.	3.7	4.9	1.8
5:00 p.m.	5.8	7.1	3.5
6:00 p.m.	3.5	5.1	0.5
7:00 p.m.	0.5	0.7	0.3
8:00 p.m.	0.8	0.9	0.8
9:00 p.m.	0.5	0.3	0.8
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	0.0	0.0	0.0



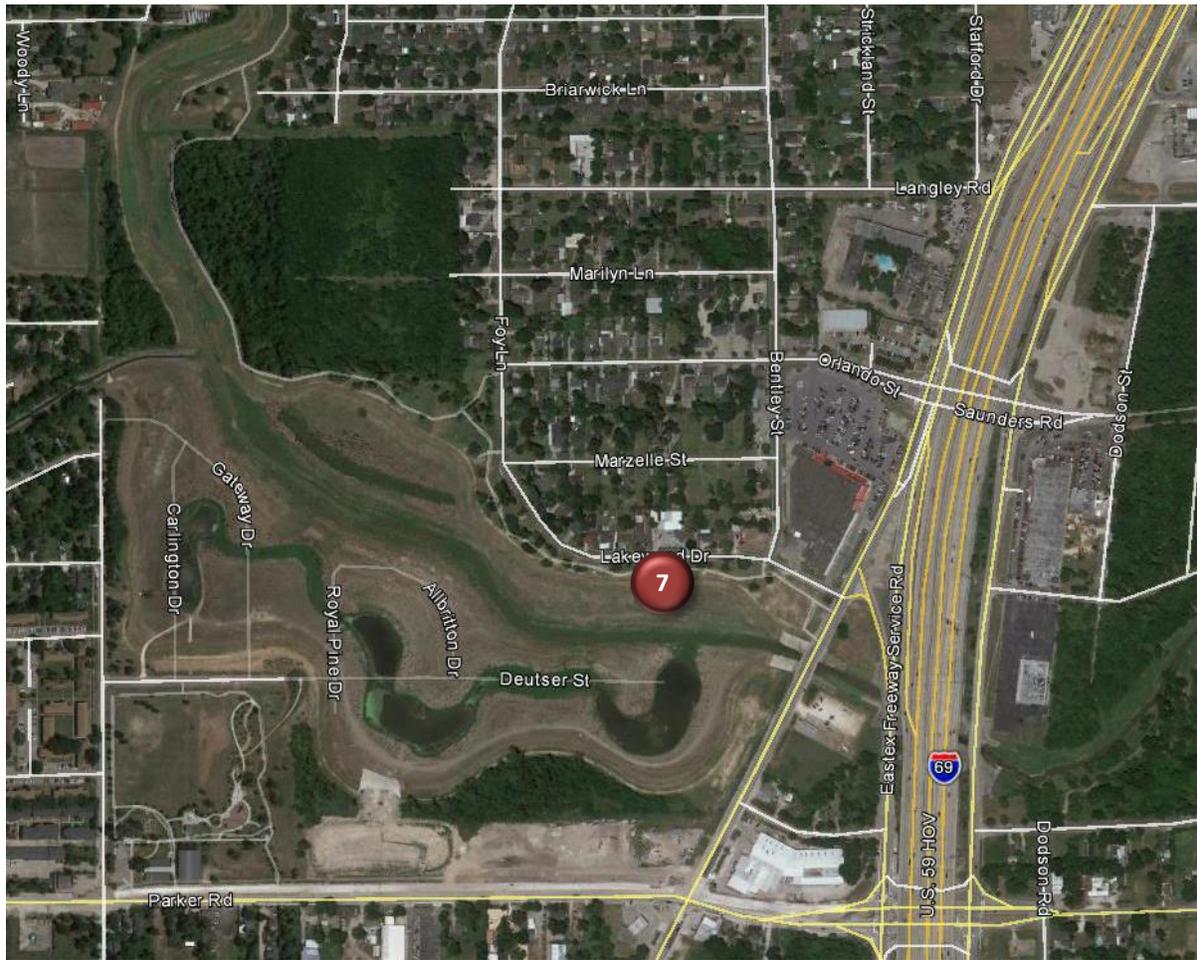
Counter #7

Halls Bayou Trail at Bentley Street

Location Information		
Location Name	Halls Bayou Trail at Bentley Street	
Location Description	Shared-use path along Halls Bayou (parallel to Lakewood Drive) near the intersection of Bentley Street and Lakewood Drive	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°51'46.38"N, 95°20'12.03"W	
Surrounding Land Uses	North	Single-Family Residential, Commercial/Retail
	South	Vacant Land/Detention Area
	East	Commercial/Retail
	West	Single-Family Residential, Mary Withers Park
What object was device secured to?	Utility Pole West of Bentley Street/Lakewood Drive Intersection	
Sidewalk Width	8'	
Buffer Width	Approximately 20' between Halls Bayou Trail and Lakewood Drive (Varies)	
Street Width	Two-Lane Undivided 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	Nearby (METRO Bus Stop 700' East at Lakewood Drive/Jensen Drive Intersection)	
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 than during weekends. • On weekdays, usage is highest in the early afternoon (12:00 p.m. – 2:00 p.m.) and evening (5:00 p.m. – 6:00 p.m.). • During weekends, usage is highest in the morning (8:00 a.m. – 9:00 a.m.) and late afternoon (3:00 p.m. – 4:00 p.m.).

Location Information: Map



Location Information: Photos



Image 13: Halls Bayou Trail Facing East



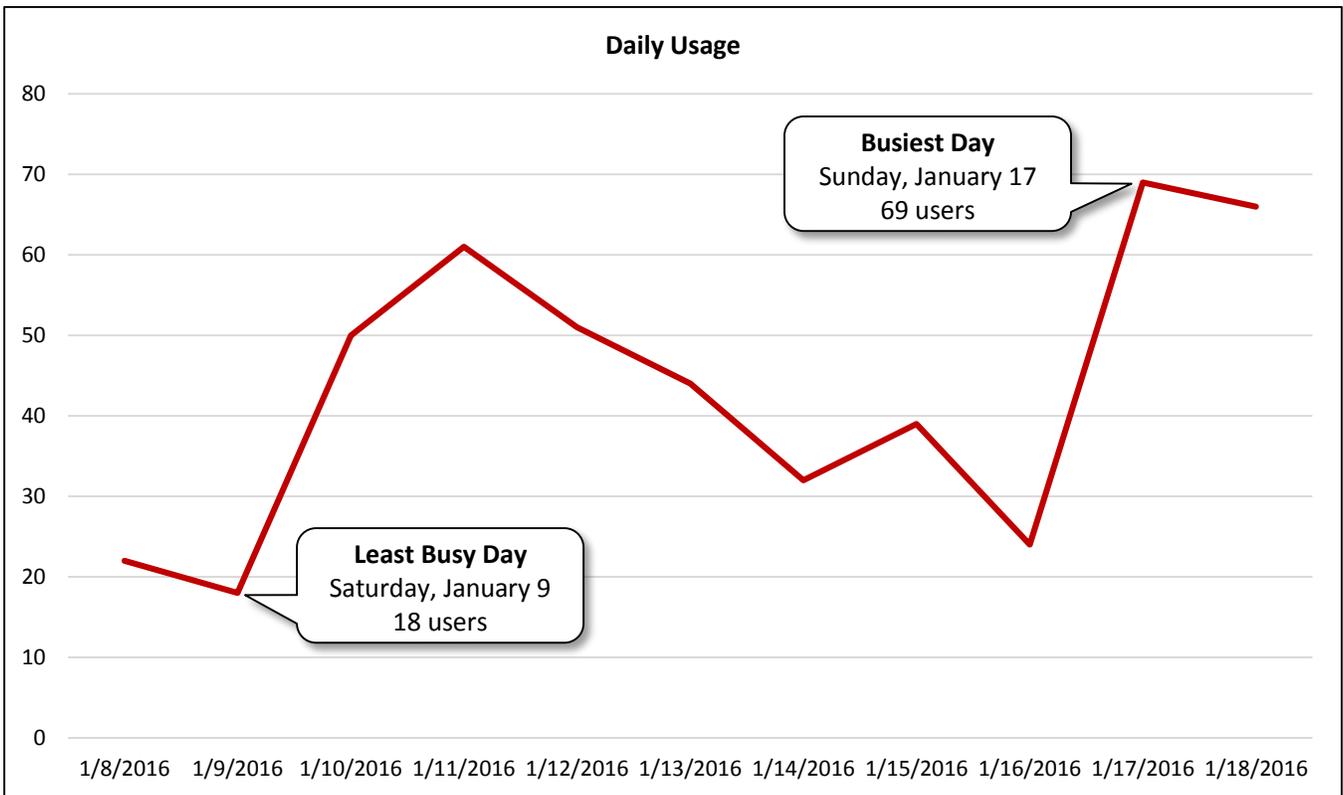
Image 14: Halls Bayou Trail Facing West

Daily Usage				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	22	68	50	0.06
Saturday, January 9, 2016	18	62	42	T
Sunday, January 10, 2016	50	52	37	0
Monday, January 11, 2016	61	56	32	0
Tuesday, January 12, 2016	51	62	35	0
Wednesday, January 13, 2016	44	64	36	0
Thursday, January 14, 2016	32	65	44	0
Friday, January 15, 2016	39	72	45	0
Saturday, January 16, 2016	24	60	42	0.17
Sunday, January 17, 2016	69	57	36	0
Monday, January 18, 2016	66	61	36	0

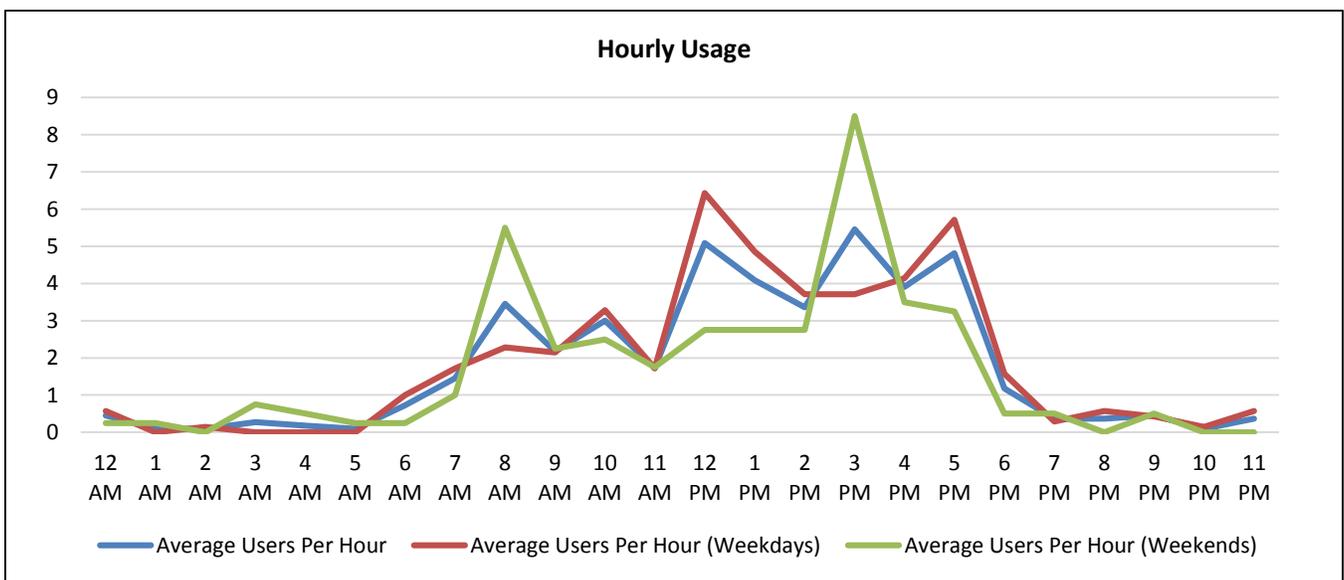
Total	476
Average Daily Usage	43
Average Daily Usage (Weekday)	45
Average Daily Usage (Weekend)	40

Notes
Martin Luther King, Jr. Day: January 18, 2016

*Weather conditions recorded at KHOU.



Hourly Usage			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.5	0.6	0.3
1:00 a.m.	0.1	0.0	0.3
2:00 a.m.	0.1	0.1	0.0
3:00 a.m.	0.3	0.0	0.8
4:00 a.m.	0.2	0.0	0.5
5:00 a.m.	0.1	0.0	0.3
6:00 a.m.	0.7	1.0	0.3
7:00 a.m.	1.5	1.7	1.0
8:00 a.m.	3.5	2.3	5.5
9:00 a.m.	2.2	2.1	2.3
10:00 a.m.	3.0	3.3	2.5
11:00 a.m.	1.7	1.7	1.8
12:00 p.m.	5.1	6.4	2.8
1:00 p.m.	4.1	4.9	2.8
2:00 p.m.	3.4	3.7	2.8
3:00 p.m.	5.5	3.7	8.5
4:00 p.m.	3.9	4.1	3.5
5:00 p.m.	4.8	5.7	3.3
6:00 p.m.	1.2	1.6	0.5
7:00 p.m.	0.4	0.3	0.5
8:00 p.m.	0.4	0.6	0.0
9:00 p.m.	0.5	0.4	0.5
10:00 p.m.	0.1	0.1	0.0
11:00 p.m.	0.4	0.6	0.0



Counter A

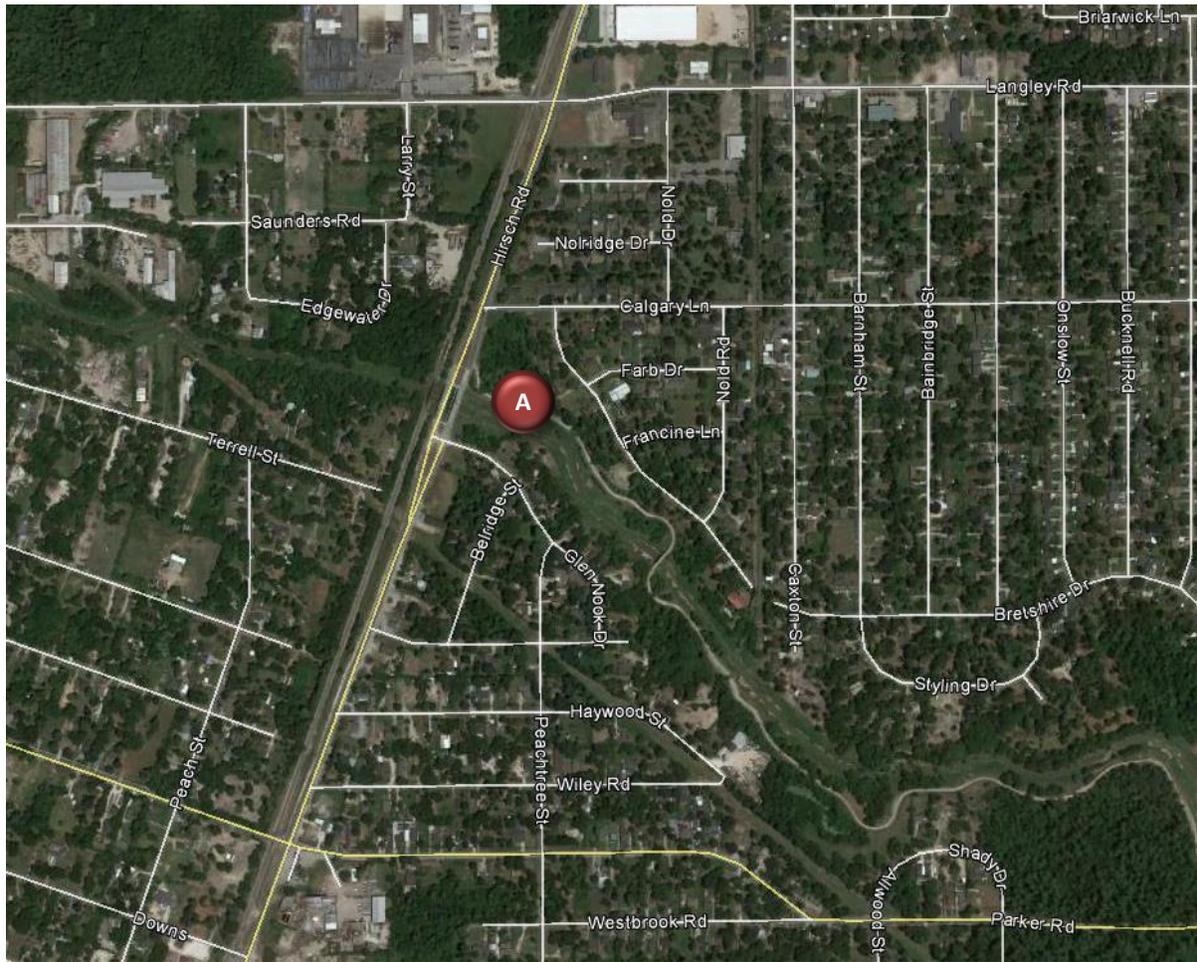
Halls Bayou Trail at Hirsch Road

Location Information		
Location Name	Halls Bayou Trail at Hirsch Road	
Location Description	Shared-use path along Halls Bayou at Hirsch Road	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°51'46.47"N, 95°19'2.42"W	
Surrounding Land Uses	North	Vacant Land, Single-Family Residential
	South	Vacant Land, Single-Family Residential
	East	Vacant Land, Single-Family Residential
	West	Vacant Land, Single-Family Residential
What object was device secured to?	Railing along Shared-Use Path East of Hirsch Road	
Sidewalk Width	10'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	Nearby (METRO Bus Stop 550' north at Hirsch Road/Calgary Lane Intersection)	
Shade	Intermittent Shade	
Have counts been collected by H-GAC at this location before?	No	

Notes

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

Location Information: Map



Location Information: Photos



Image 15: Halls Bayou Trail Facing East



Image 16: Halls Bayou Trail Facing West

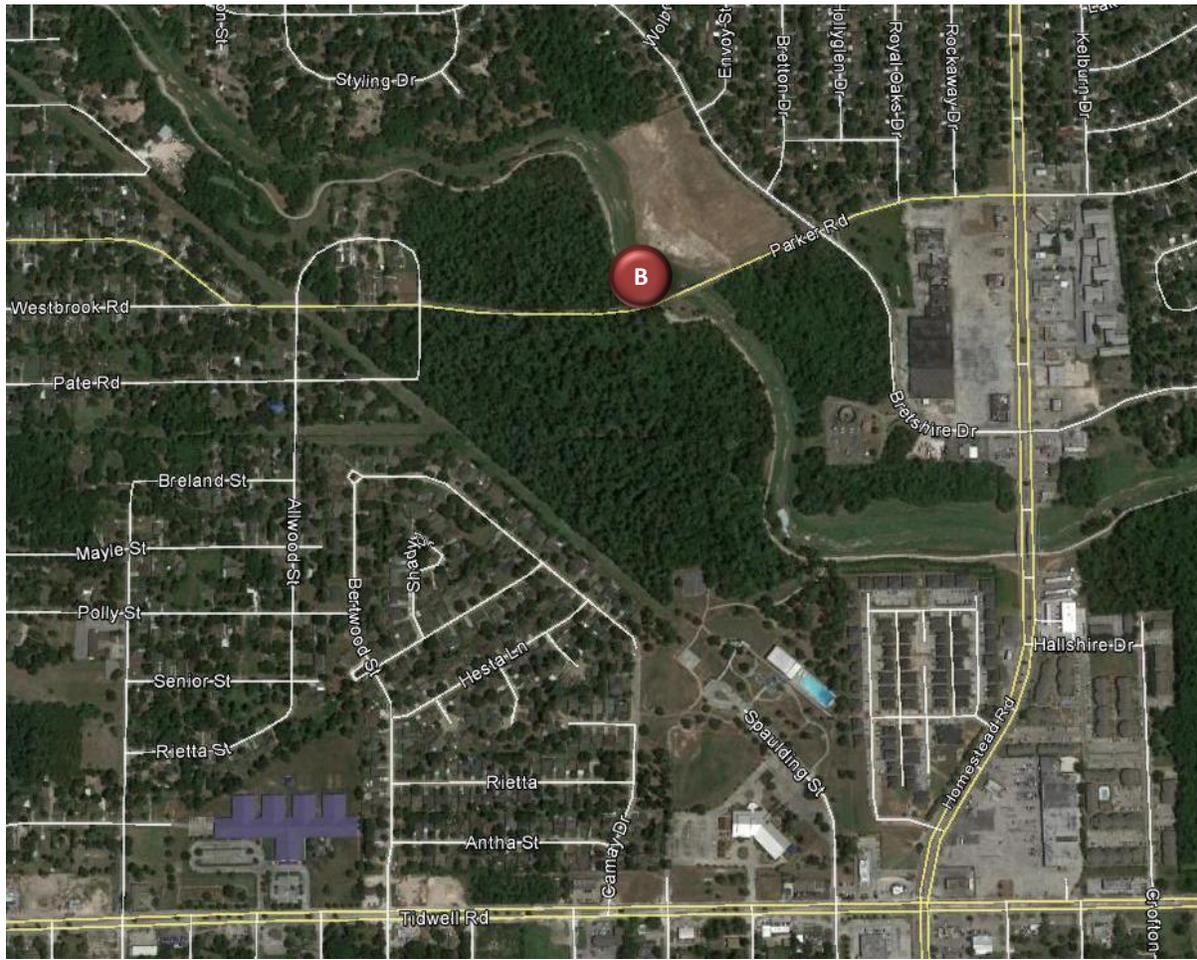
Counter B

Halls Bayou Trail at Parker Road

Location Information		
Location Name	Halls Bayou Trail at Parker Road	
Location Description	Shared-use path along Halls Bayou at Parker Road	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°51'22.61"N, 95°18'21.70"W	
Surrounding Land Uses	North	Vacant Land
	South	Vacant Land, Tidwell Park
	East	Vacant Land, Single-Family Residential, Commercial/Retail
	West	Vacant Land, Single-Family Residential
What object was device secured to?	Railing along Shared-Use Path West of Parker Road	
Sidewalk Width	10'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	No	
Shade	Yes	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Overall, pedestrian/bicycle usage is low at this location. • Usage tends to be higher during weekends than on weekdays. • On weekdays, usage is highest in the late afternoon (4:00 p.m. – 5:00 p.m.). • During weekends, usage is highest in the evening (5:00 p.m. – 6:00 p.m.).

Location Information: Map



Location Information: Photos



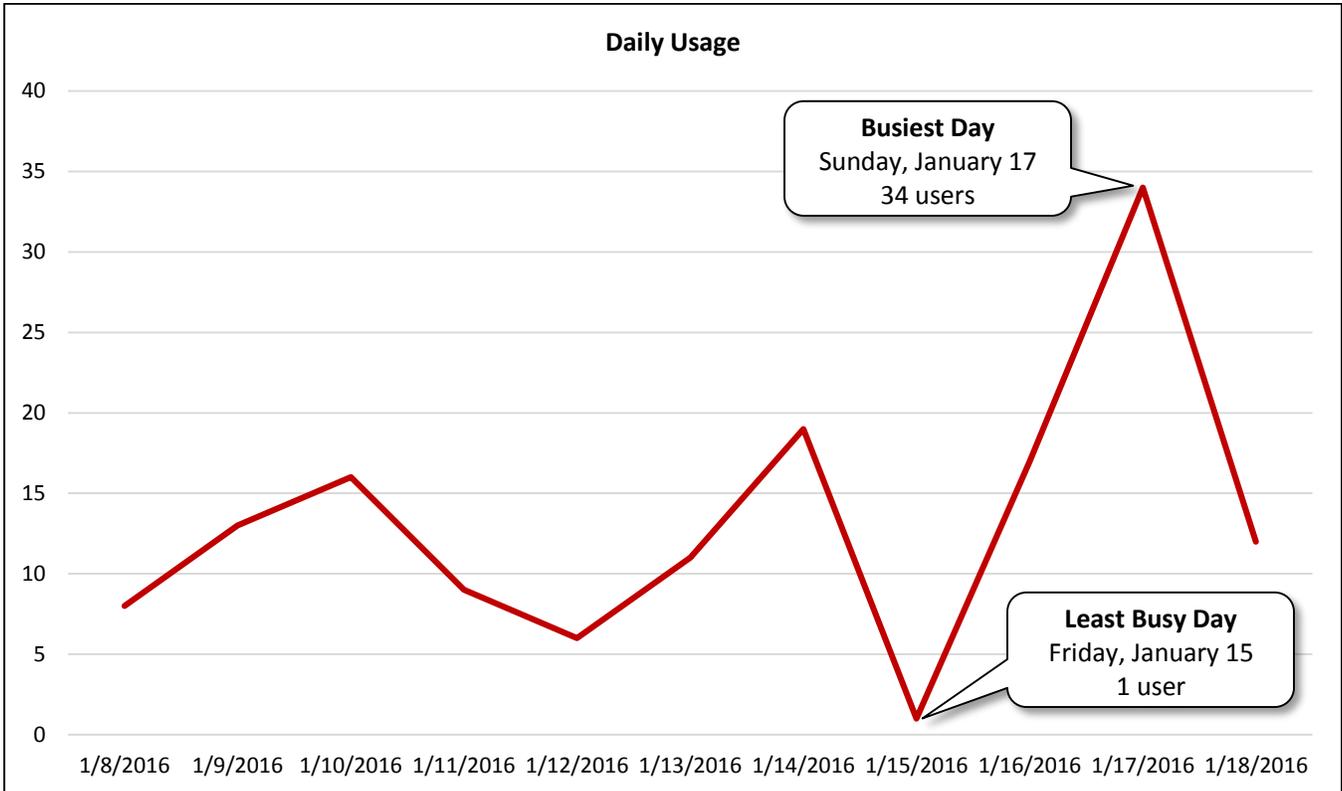
Image 17: Halls Bayou Trail Facing East



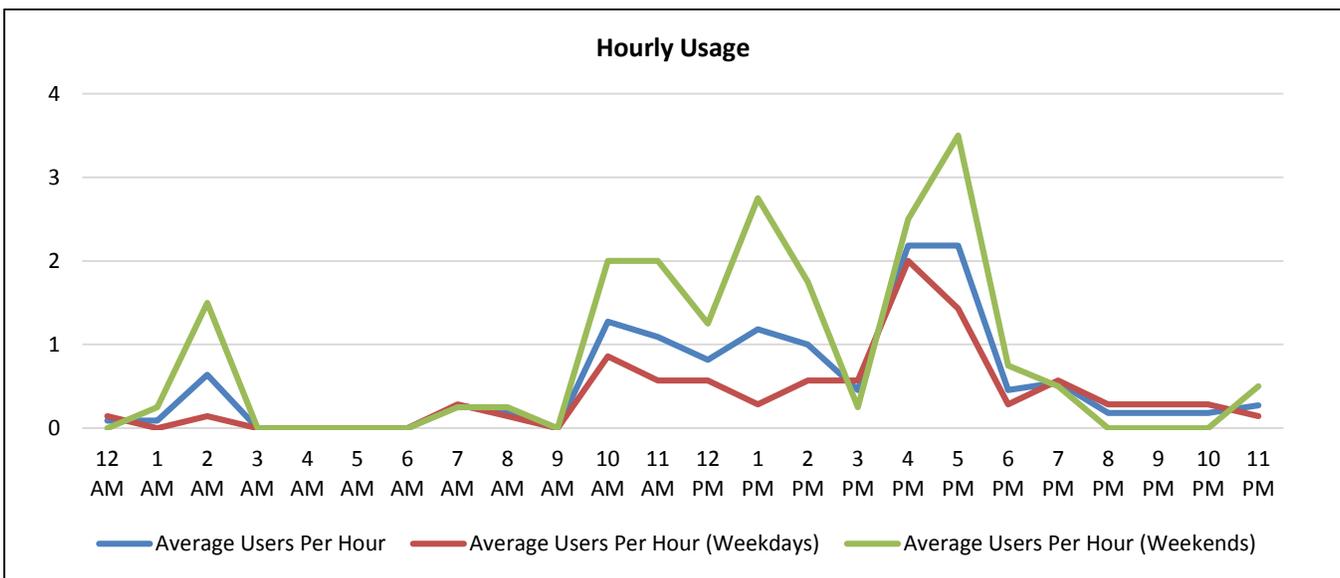
Image 18: Halls Bayou Trail Facing West

Daily Usage Halls Bayou Trail at Parker Road				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	8	68	50	0.06
Saturday, January 9, 2016	13	62	42	T
Sunday, January 10, 2016	16	52	37	0
Monday, January 11, 2016	9	56	32	0
Tuesday, January 12, 2016	6	62	35	0
Wednesday, January 13, 2016	11	64	36	0
Thursday, January 14, 2016	19	65	44	0
Friday, January 15, 2016	1	72	45	0
Saturday, January 16, 2016	17	60	42	0.17
Sunday, January 17, 2016	34	57	36	0
Monday, January 18, 2016	12	61	36	0
Total	146			
Average Daily Usage	13			
Average Daily Usage (Weekday)	9			
Average Daily Usage (Weekend)	20			
		Notes		
		Martin Luther King, Jr. Day: January 18, 2016		

*Weather conditions recorded at KHOU.



Hourly Usage Halls Bayou Trail at Parker Road			
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.	0.1	0.0	0.3
2:00 a.m.	0.6	0.1	1.5
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.	0.3	0.3	0.3
8:00 a.m.	0.2	0.1	0.3
9:00 a.m.	0.0	0.0	0.0
10:00 a.m.	1.3	0.9	2.0
11:00 a.m.	1.1	0.6	2.0
12:00 p.m.	0.8	0.6	1.3
1:00 p.m.	1.2	0.3	2.8
2:00 p.m.	1.0	0.6	1.8
3:00 p.m.	0.5	0.6	0.3
4:00 p.m.	2.2	2.0	2.5
5:00 p.m.	2.2	1.4	3.5
6:00 p.m.	0.5	0.3	0.8
7:00 p.m.	0.5	0.6	0.5
8:00 p.m.	0.2	0.3	0.0
9:00 p.m.	0.2	0.3	0.0
10:00 p.m.	0.2	0.3	0.0
11:00 p.m.	0.3	0.1	0.5



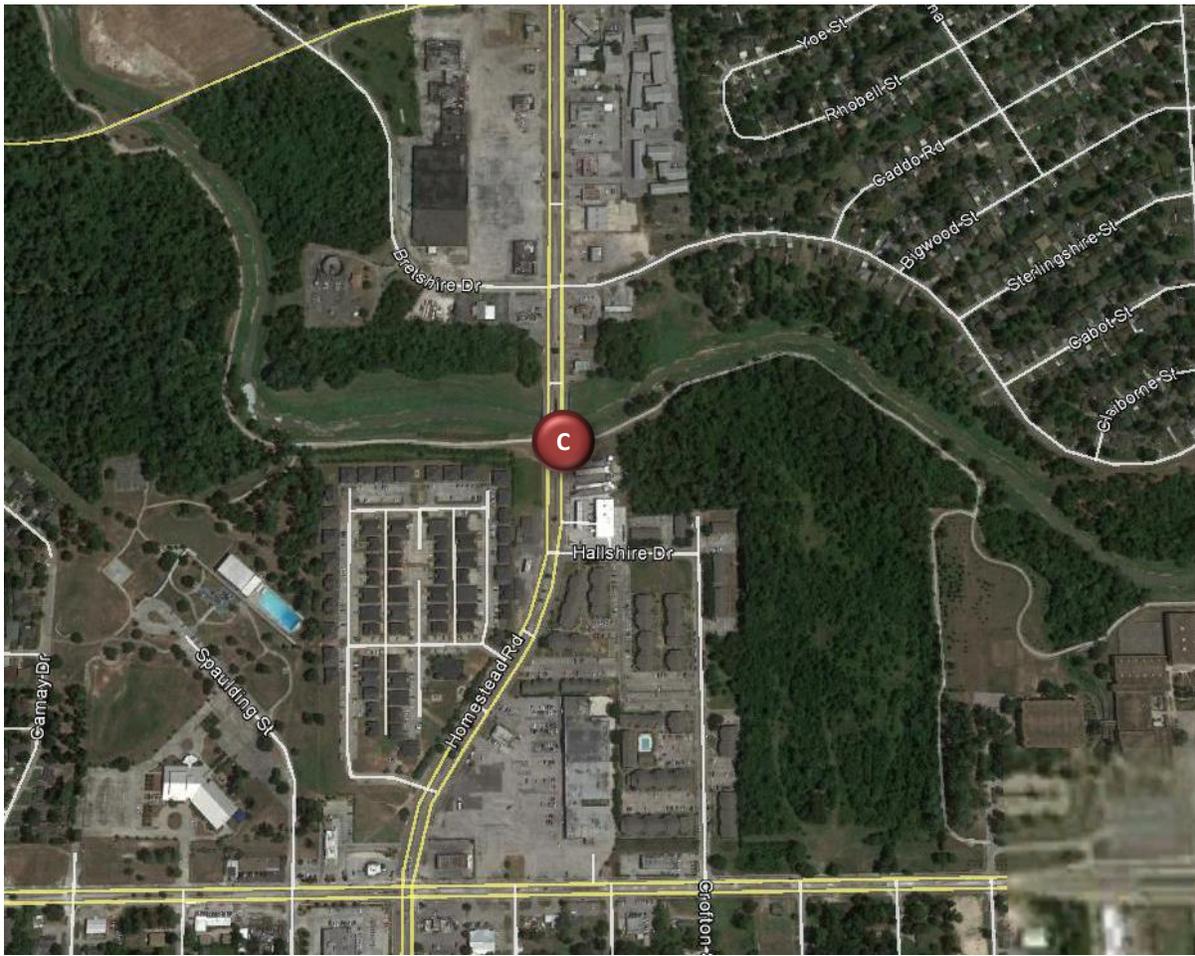
Counter C

Halls Bayou Trail at Homestead Road

Location Information		
Location Name	Halls Bayou Trail at Homestead Road	
Location Description	Shared-use path along Halls Bayou at Homestead Road	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°51'10.61"N, 95°18'0.33"W	
Surrounding Land Uses	North	Commercial/Retail, Single-Family Residential
	South	Commercial/Retail, Multi-Family Residential
	East	Vacant Land, Institutional (Forest Brook Middle School), Single-Family Residential
	West	Multi-Family Residential, Tidwell Park, Vacant Land
What object was device secured to?	Railing along Shared-Use Path under Homestead Road Overpass	
Sidewalk Width	10'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	No	
Shade	Intermittent Shade	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Overall, pedestrian/bicycle usage is low at this location. • On average, the number of users is similar on weekdays as it is during weekends. • On weekdays, usage peaks in the late afternoon (3:00 p.m. – 4:00 p.m.). • During weekends, usage peaks in the evening (5:00 p.m. – 6:00 p.m.).

Location Information: Map



Location Information: Photos



Image 19: Halls Bayou Trail Facing East

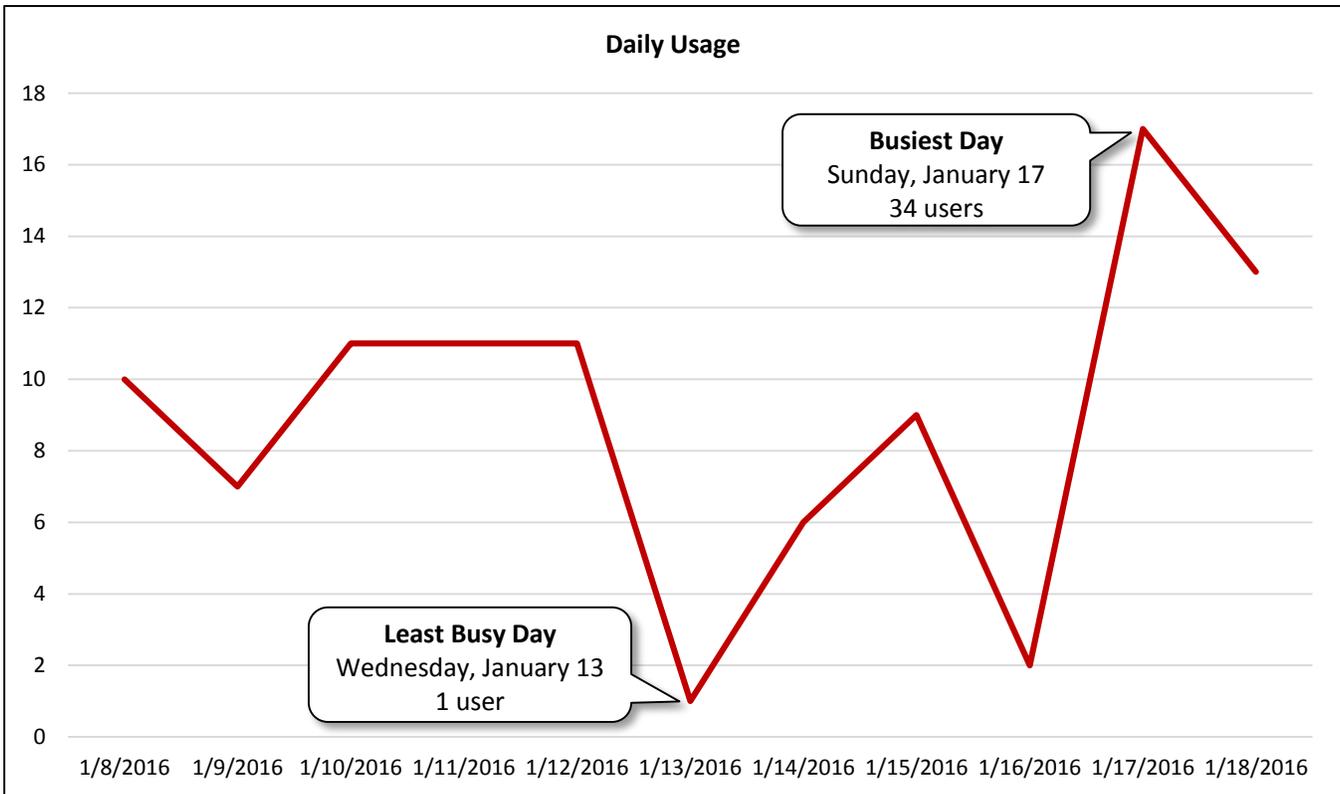


Image 20: Halls Bayou Trail Facing West

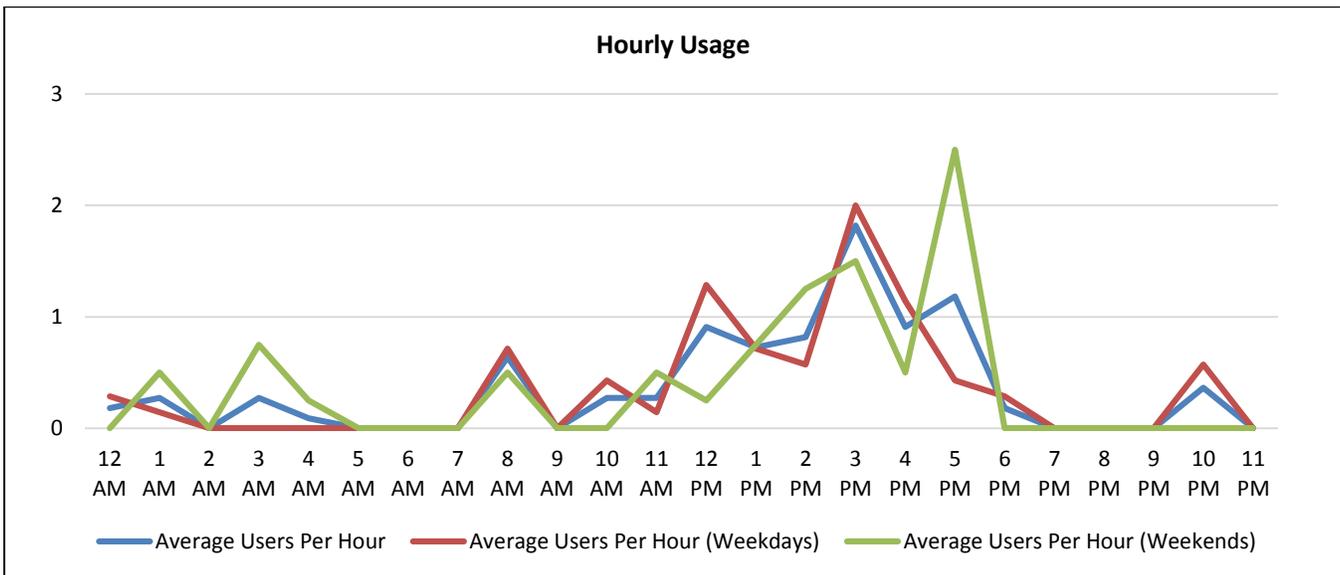
Daily Usage Halls Bayou Trail at Homestead Road				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	10	68	50	0.06
Saturday, January 9, 2016	7	62	42	T
Sunday, January 10, 2016	11	52	37	0
Monday, January 11, 2016	11	56	32	0
Tuesday, January 12, 2016	11	62	35	0
Wednesday, January 13, 2016	1	64	36	0
Thursday, January 14, 2016	6	65	44	0
Friday, January 15, 2016	9	72	45	0
Saturday, January 16, 2016	2	60	42	0.17
Sunday, January 17, 2016	17	57	36	0
Monday, January 18, 2016	13	61	36	0
Total	98			
Average Daily Usage	9			
Average Daily Usage (Weekday)	9			
Average Daily Usage (Weekend)	9			

Notes	
Martin Luther King, Jr. Day: January 18, 2016	

*Weather conditions recorded at KHOU.



Hourly Usage Halls Bayou Trail at Homestead Road			
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.	0.3	0.1	0.5
2:00 a.m.	0.0	0.0	0.0
3:00 a.m.	0.3	0.0	0.8
4:00 a.m.	0.1	0.0	0.3
5:00 a.m.	0.0	0.0	0.0
6:00 a.m.	0.0	0.0	0.0
7:00 a.m.	0.0	0.0	0.0
8:00 a.m.	0.6	0.7	0.5
9:00 a.m.	0.0	0.0	0.0
10:00 a.m.	0.3	0.4	0.0
11:00 a.m.	0.3	0.1	0.5
12:00 p.m.	0.9	1.3	0.3
1:00 p.m.	0.7	0.7	0.8
2:00 p.m.	0.8	0.6	1.3
3:00 p.m.	1.8	2.0	1.5
4:00 p.m.	0.9	1.1	0.5
5:00 p.m.	1.2	0.4	2.5
6:00 p.m.	0.2	0.3	0.0
7:00 p.m.	0.0	0.0	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.	0.4	0.6	0.0
11:00 p.m.	0.0	0.0	0.0



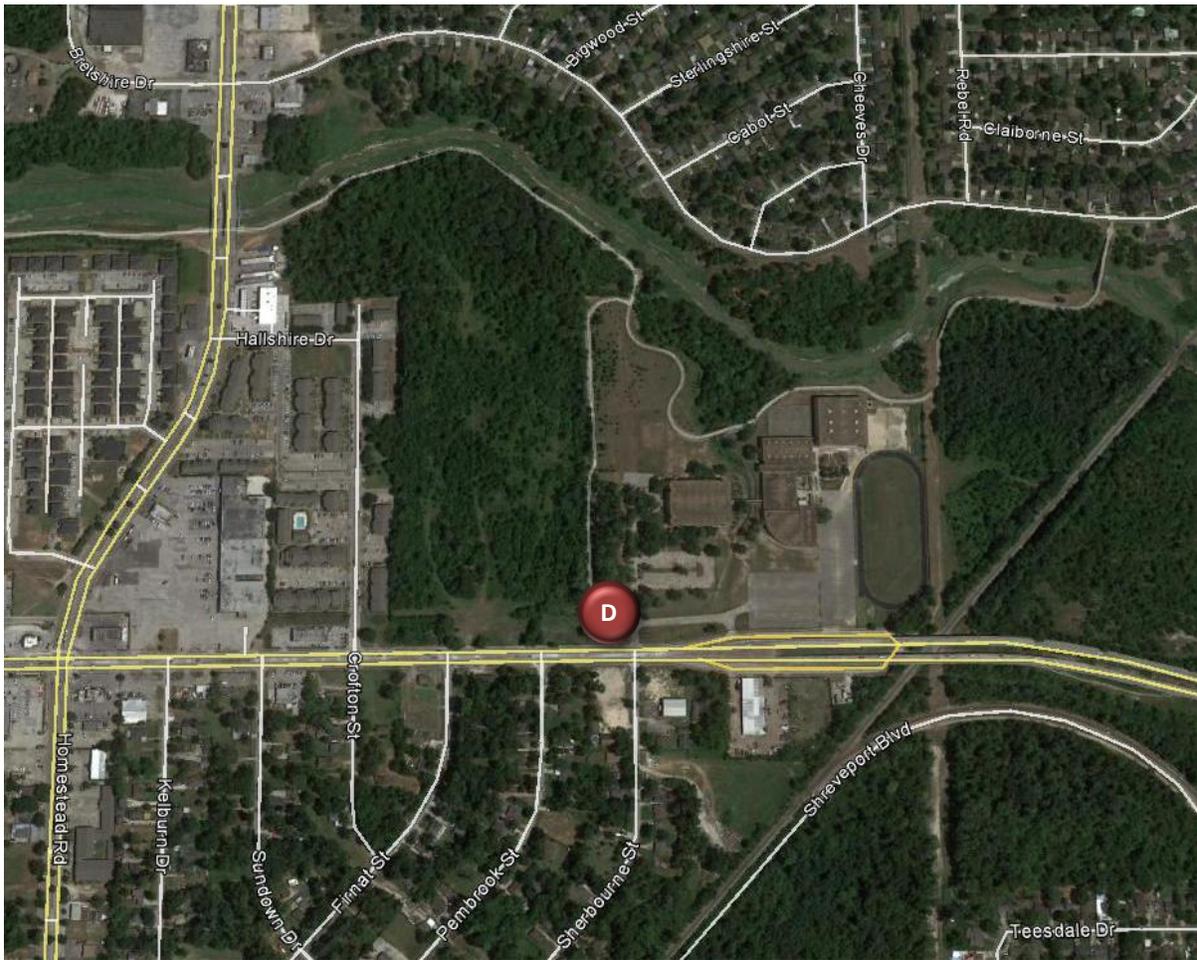
Counter D

Halls Bayou Trail Spur at Forest Brook Middle School

Location Information		
Location Name	Halls Bayou Trail Spur at Forest Brook Middle School	
Location Description	Shared-use path connecting Forest Brook Middle School to Halls Bayou Trail	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°50'55.95"N, 95°17'44.73"W	
Surrounding Land Uses	North	Vacant Land, Single-Family Residential
	South	Single-Family Residential, Institutional (Church)
	East	Institutional (Forest Brook Middle School), Vacant Land
	West	Vacant Land, Multi-Family Residential
What object was device secured to?	Sign Post (End Bicycle Route)	
Sidewalk Width	10'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	Nearby (METRO Bus Stop 150' South at Tidwell Road/Sherbourne Street Intersection)	
Shade	Intermittent Shade	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • Overall, pedestrian/bicycle usage is low at this location. • Usage tends to be higher on weekdays than during weekends. • During weekends, there is very little usage. Over two weekends, only three users passed the counter. • On weekdays, usage is highest midday (12:00 p.m. – 1:00 p.m.).

Location Information: Map



Location Information: Photos



Image 21: Spur to Halls Bayou Trail Facing East

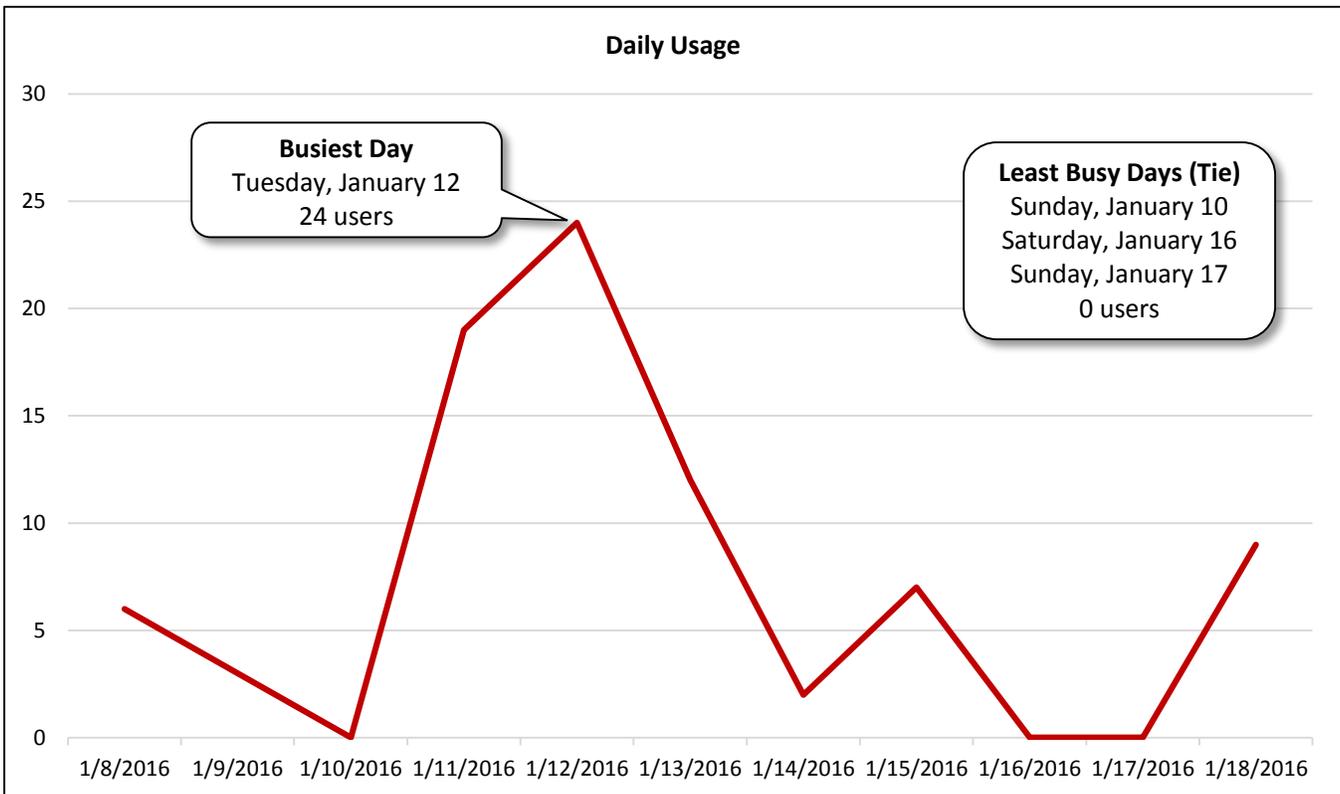


Image 22: Spur to Halls Bayou Trail Facing West

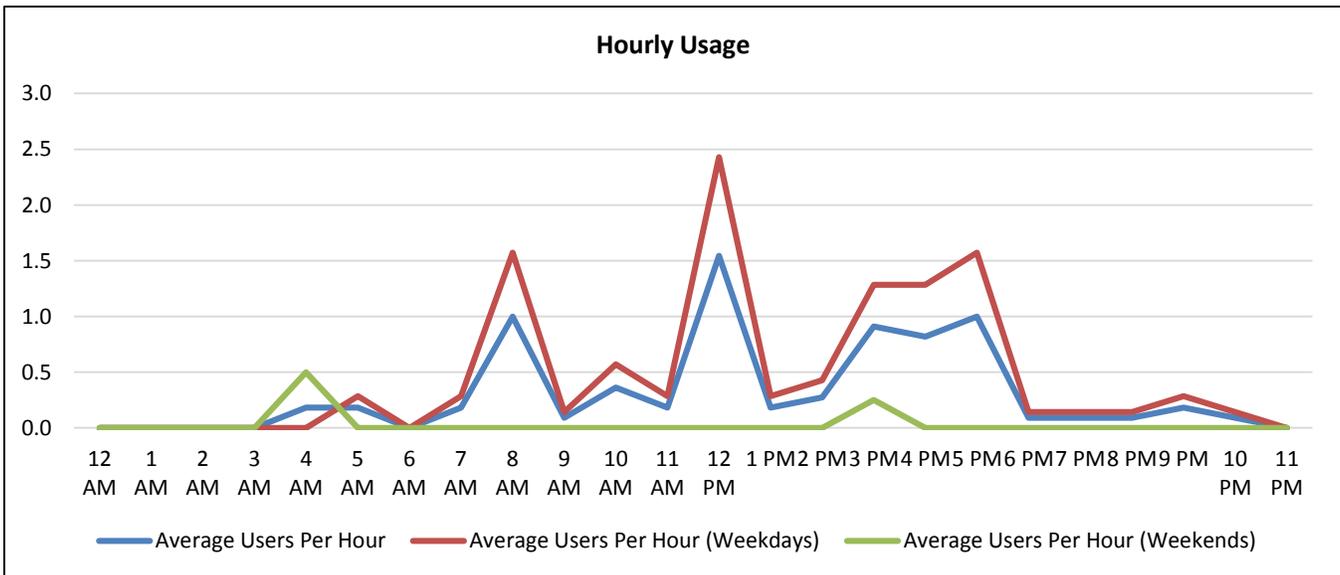
Daily Usage Halls Bayou Trail Spur at Forest Brook Middle School				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	6	68	50	0.06
Saturday, January 9, 2016	3	62	42	T
Sunday, January 10, 2016	0	52	37	0
Monday, January 11, 2016	19	56	32	0
Tuesday, January 12, 2016	24	62	35	0
Wednesday, January 13, 2016	12	64	36	0
Thursday, January 14, 2016	2	65	44	0
Friday, January 15, 2016	7	72	45	0
Saturday, January 16, 2016	0	60	42	0.17
Sunday, January 17, 2016	0	57	36	0
Monday, January 18, 2016	9	61	36	0
Total	82			
Average Daily Usage	7			
Average Daily Usage (Weekday)	11			
Average Daily Usage (Weekend)	1			

Notes	
Martin Luther King, Jr. Day: January 18, 2016	

*Weather conditions recorded at KHOU.



Hourly Usage			
Halls Bayou Trail Spur at Forest Brook Middle School			
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.	0.2	0.0	0.5
5:00 a.m.	0.2	0.3	0.0
6:00 a.m.	0.0	0.0	0.0
7:00 a.m.	0.2	0.3	0.0
8:00 a.m.	1.0	1.6	0.0
9:00 a.m.	0.1	0.1	0.0
10:00 a.m.	0.4	0.6	0.0
11:00 a.m.	0.2	0.3	0.0
12:00 p.m.	1.5	2.4	0.0
1:00 p.m.	0.2	0.3	0.0
2:00 p.m.	0.3	0.4	0.0
3:00 p.m.	0.9	1.3	0.3
4:00 p.m.	0.8	1.3	0.0
5:00 p.m.	1.0	1.6	0.0
6:00 p.m.	0.1	0.1	0.0
7:00 p.m.	0.1	0.1	0.0
8:00 p.m.	0.1	0.1	0.0
9:00 p.m.	0.2	0.3	0.0
10:00 p.m.	0.1	0.1	0.0
11:00 p.m.	0.0	0.0	0.0



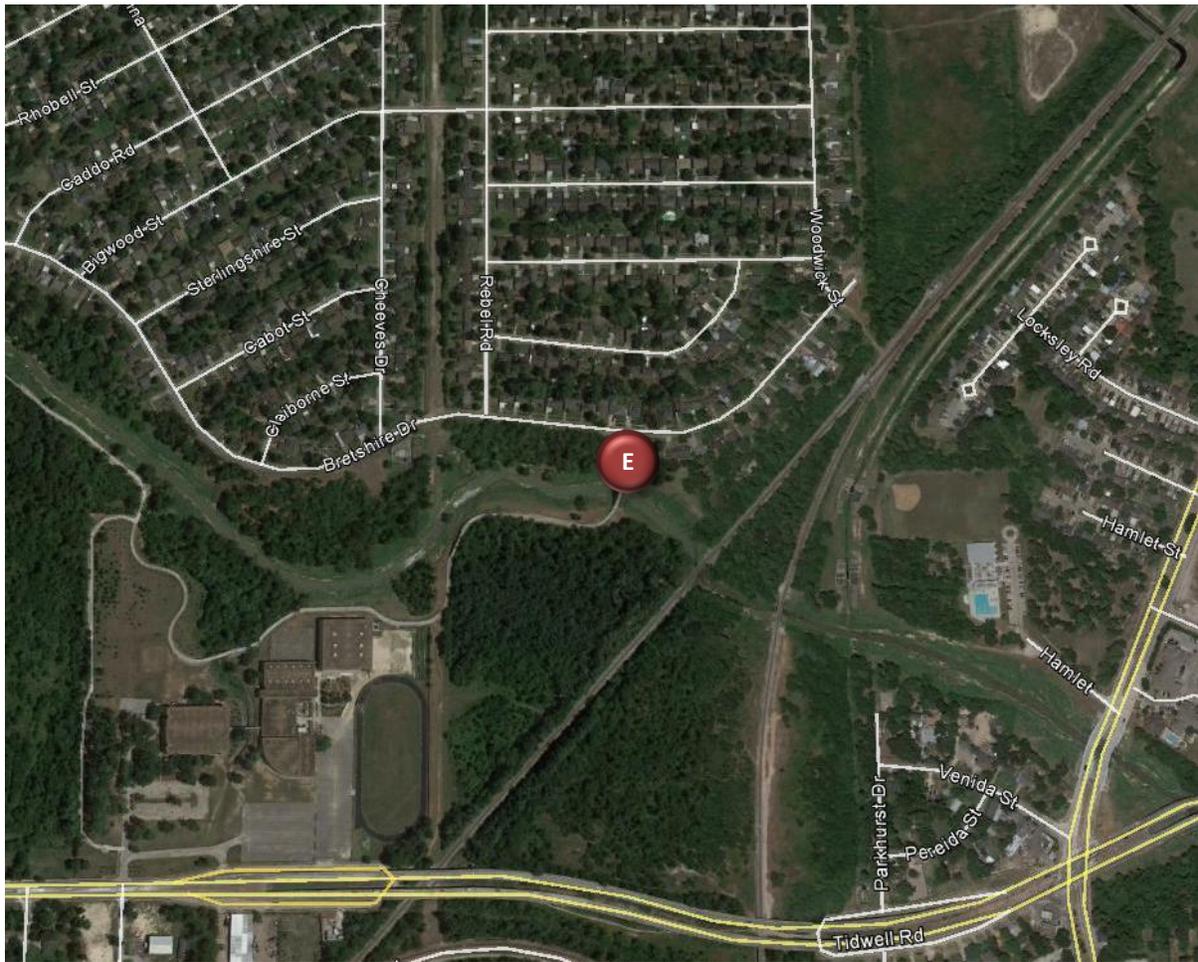
Counter E

Halls Bayou Trail at Bretshire Drive

Location Information		
Location Name	Halls Bayou Trail at Bretshire Drive	
Location Description	Shared-use path along Halls Bayou at Bretshire Drive east of Rebel Road	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°51'9.13"N, 95°17'23.87"W	
Surrounding Land Uses	North	Single-Family Residential
	South	Vacant Land, Institutional (Forest Brook Middle School)
	East	Single-Family Residential
	West	Single-Family Residential
What object was device secured to?	Bridge Railing	
Sidewalk Width	16'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	No	
Shade	No	
Have counts been collected by H-GAC at this location before?	No	

Trends
<ul style="list-style-type: none"> • On average, the number of users is similar on weekdays as it is during weekends. • On weekdays, usage is highest in the late afternoon (4:00 p.m. – 6:00 p.m.). • During weekends, usage peaks mid-day (10:00 a.m. – 1:00 p.m.).

Location Information: Map



Location Information: Photos



Image 23: Halls Bayou Trail Facing East

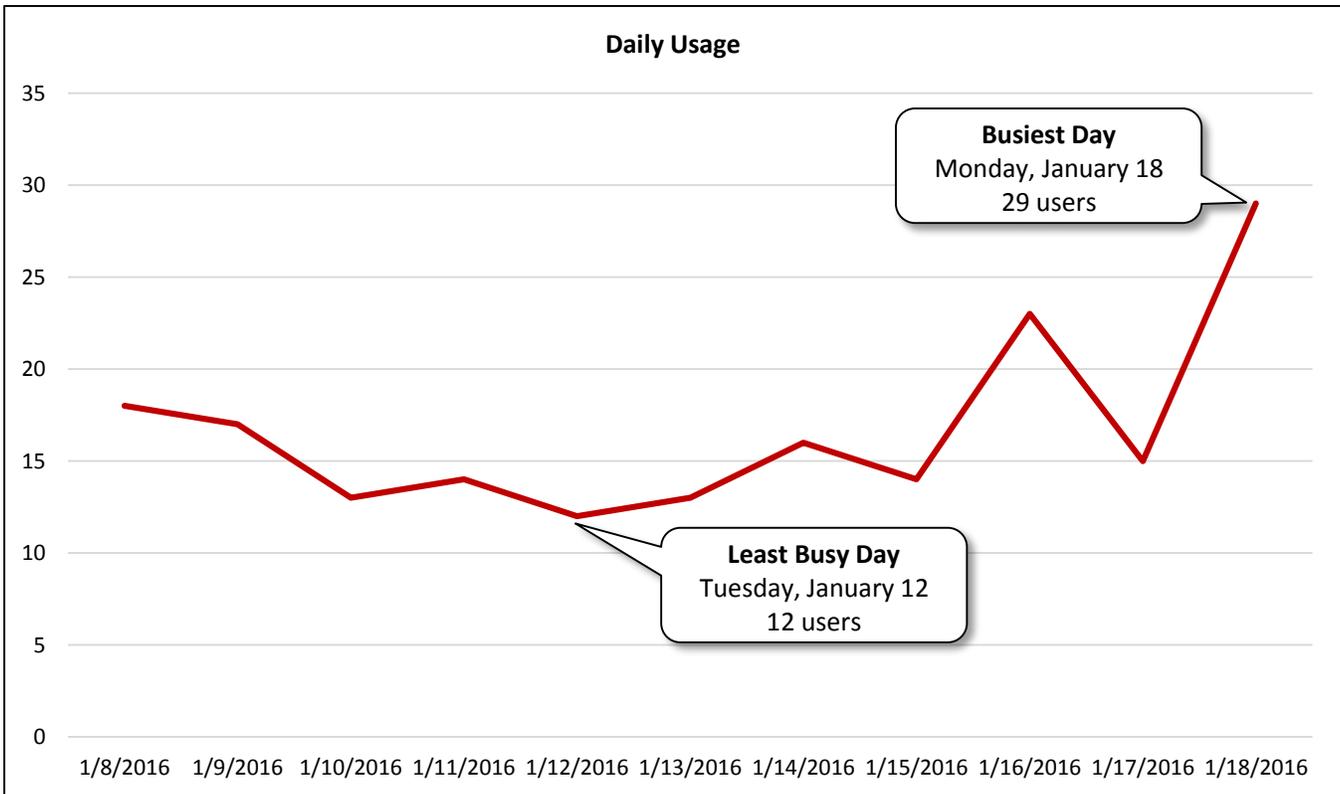


Image 24: Halls Bayou Trail Facing West

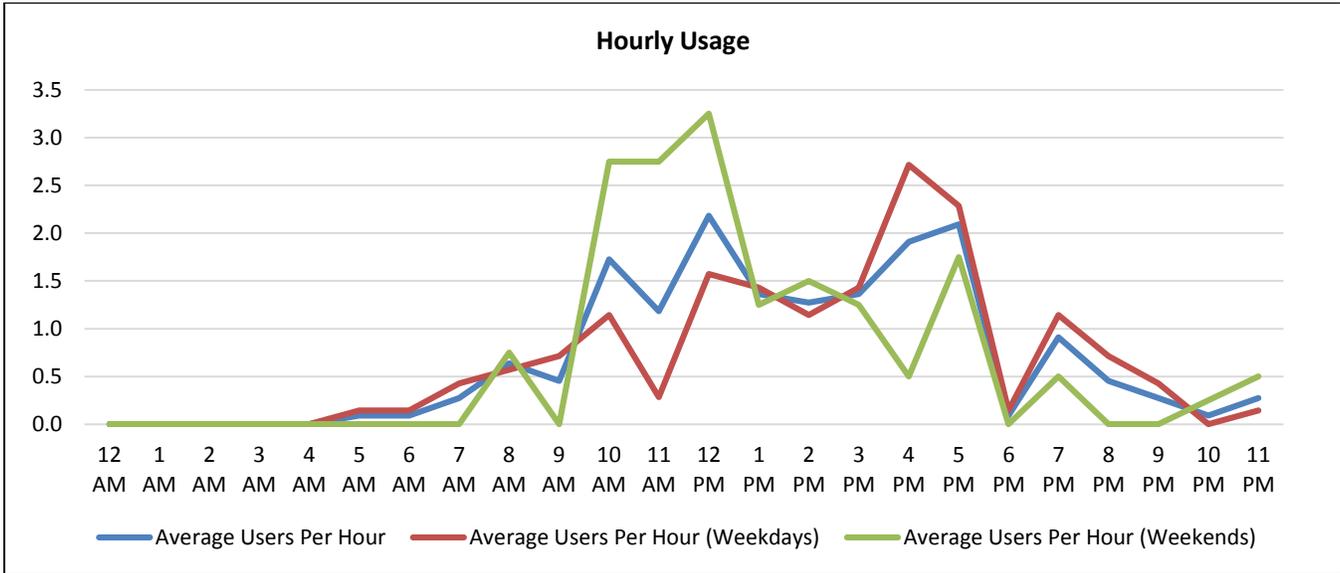
Daily Usage Halls Bayou Trail at Bretshire Drive				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	18	68	50	0.06
Saturday, January 9, 2016	17	62	42	T
Sunday, January 10, 2016	13	52	37	0
Monday, January 11, 2016	14	56	32	0
Tuesday, January 12, 2016	12	62	35	0
Wednesday, January 13, 2016	13	64	36	0
Thursday, January 14, 2016	16	65	44	0
Friday, January 15, 2016	14	72	45	0
Saturday, January 16, 2016	23	60	42	0.17
Sunday, January 17, 2016	15	57	36	0
Monday, January 18, 2016	29	61	36	0
Total	184			
Average Daily Usage	17			
Average Daily Usage (Weekday)	17			
Average Daily Usage (Weekend)	17			

Notes	
Martin Luther King, Jr. Day: January 18, 2016	

*Weather conditions recorded at KHOU.



Hourly Usage Halls Bayou Trail at Bretshire Drive			
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.	0.1	0.1	0.0
6:00 a.m.	0.1	0.1	0.0
7:00 a.m.	0.3	0.4	0.0
8:00 a.m.	0.6	0.6	0.8
9:00 a.m.	0.5	0.7	0.0
10:00 a.m.	1.7	1.1	2.8
11:00 a.m.	1.2	0.3	2.8
12:00 p.m.	2.2	1.6	3.3
1:00 p.m.	1.4	1.4	1.3
2:00 p.m.	1.3	1.1	1.5
3:00 p.m.	1.4	1.4	1.3
4:00 p.m.	1.9	2.7	0.5
5:00 p.m.	2.1	2.3	1.8
6:00 p.m.	0.1	0.1	0.0
7:00 p.m.	0.9	1.1	0.5
8:00 p.m.	0.5	0.7	0.0
9:00 p.m.	0.3	0.4	0.0
10:00 p.m.	0.1	0.0	0.3
11:00 p.m.	0.3	0.1	0.5



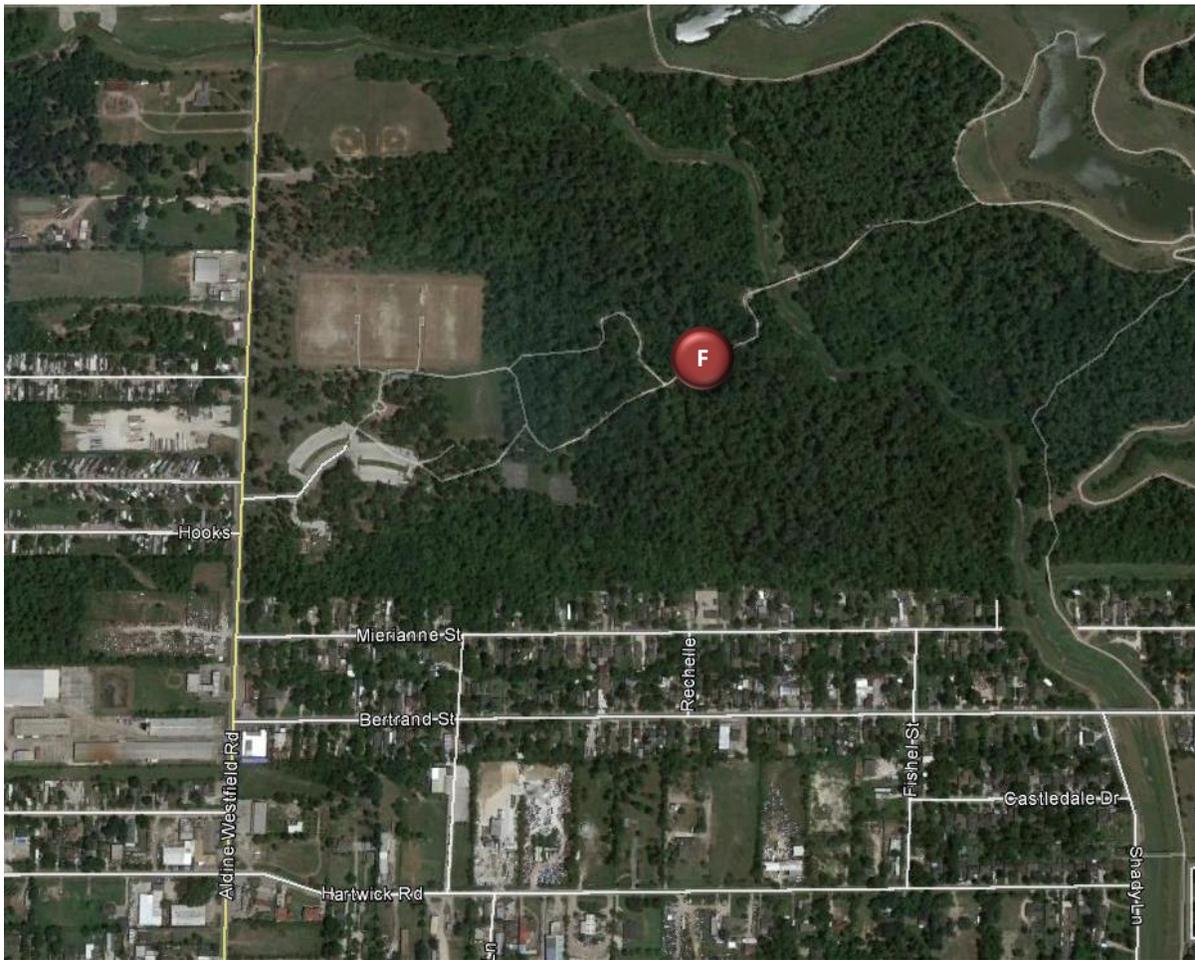
Counter F

Halls Bayou Trail at Keith-Weiss Park

Location Information		
Location Name	Halls Bayou Trail at Keith-Weiss Park	
Location Description	Shared-use path within Keith-Weiss Park near Aldine Westfield Road Entrance	
Jurisdiction	City of Houston	
Agency Deployed	Houston-Galveston Area Council, Texas Transportation Institute, and City of Houston: Parks and Recreation Department	
GPS Coordinates	29°53'26.67"N, 95°20'56.00"W	
Surrounding Land Uses	North	Keith-Weiss Park
	South	Keith-Weiss Park, Single-Family Residential
	East	Keith-Weiss Park
	West	Keith-Weiss Park, Residential (Mobile Home Parks), Commercial
What object was device secured to?	Tree	
Sidewalk Width	8'	
Buffer Width	N/A (Off-Road Shared-Use Path)	
Street Width*	N/A (Off-Road Shared-Use Path)	
Parallel Parking	N/A (Off-Road Shared-Use Path)	
Landscaping or Trees	Yes	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	No	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	No	
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 higher during weekends than on weekdays. • On weekdays, usage increases as the day progresses, peaking in the late afternoon (4:00 p.m. – 6:00 p.m.). • During weekends, usage increases as the day progresses, peaking in the late afternoon (3:00 p.m. – 5:00 p.m.). • The busiest day was Monday, January 18, 2016, which was a nationally-recognized holiday (Martin Luther King, Jr. Day).

Location Information: Map



Location Information: Photos



Image 25: Halls Bayou Trail Facing East

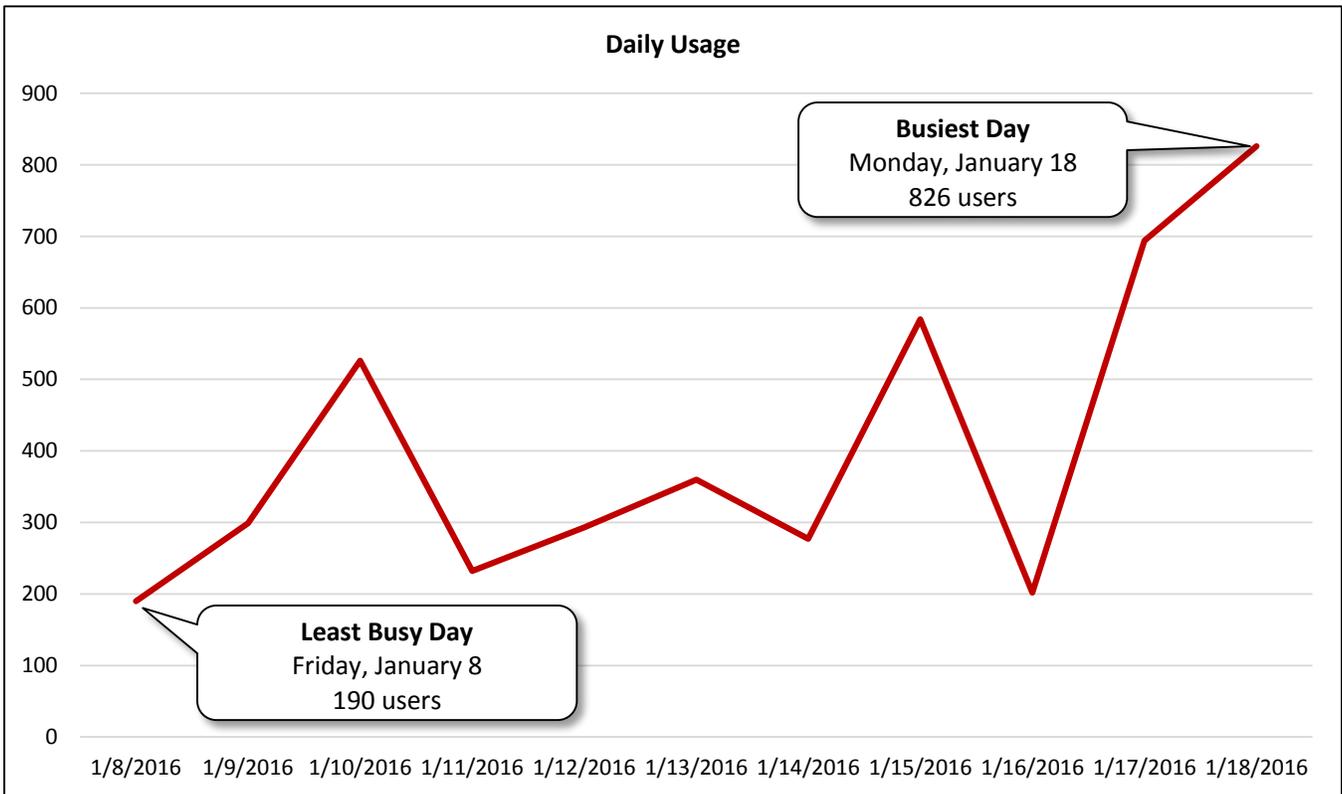


Image 26: Halls Bayou Trail Facing West

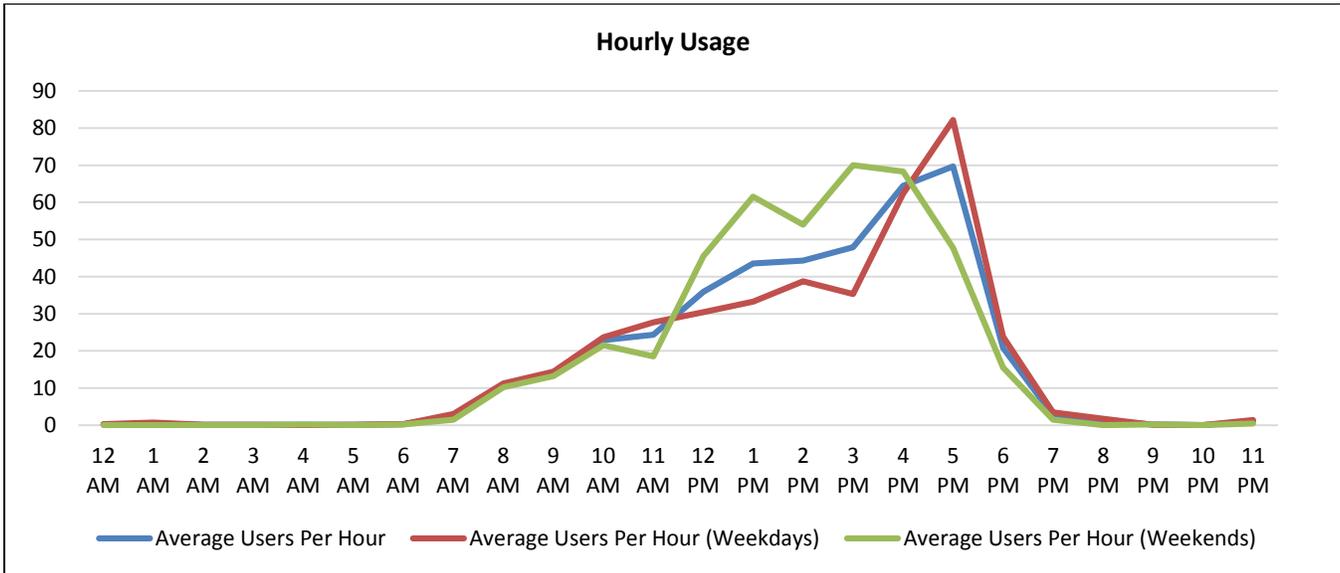
Daily Usage Halls Bayou Trail at Keith-Weiss Park				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, January 8, 2016	190	68	50	0.06
Saturday, January 9, 2016	299	62	42	T
Sunday, January 10, 2016	526	52	37	0
Monday, January 11, 2016	232	56	32	0
Tuesday, January 12, 2016	293	62	35	0
Wednesday, January 13, 2016	360	64	36	0
Thursday, January 14, 2016	277	65	44	0
Friday, January 15, 2016	584	72	45	0
Saturday, January 16, 2016	202	60	42	0.17
Sunday, January 17, 2016	694	57	36	0
Monday, January 18, 2016	826	61	36	0
Total	4,483			
Average Daily Usage	408			
Average Daily Usage (Weekday)	395			
Average Daily Usage (Weekend)	430			

Notes	
Martin Luther King, Jr. Day: January 18, 2016	

*Weather conditions recorded at KHOU.



Hourly Usage Halls Bayou Trail at Keith-Weiss Park			
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.	0.5	0.7	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.	0.1	0.0	0.3
5:00 a.m.	0.1	0.1	0.0
6:00 a.m.	0.3	0.3	0.3
7:00 a.m.	2.5	3.0	1.5
8:00 a.m.	10.9	11.3	10.3
9:00 a.m.	14.0	14.4	13.3
10:00 a.m.	22.9	23.7	21.5
11:00 a.m.	24.4	27.7	18.5
12:00 p.m.	35.9	30.4	45.5
1:00 p.m.	43.5	33.3	61.5
2:00 p.m.	44.3	38.7	54.0
3:00 p.m.	47.9	35.3	70.0
4:00 p.m.	64.5	62.3	68.3
5:00 p.m.	69.6	82.1	47.8
6:00 p.m.	20.8	23.9	15.5
7:00 p.m.	2.7	3.4	1.5
8:00 p.m.	1.1	1.7	0.0
9:00 p.m.	0.2	0.1	0.3
10:00 p.m.	0.0	0.0	0.0
11:00 p.m.	1.1	1.4	0.5



Participants

City of Houston: Parks and Recreation Department

www.houstontx.gov/parks/

Houston-Galveston Area Council: Pedestrian-Bicyclist Planning

www.h-gac.com/go/pedbike

Texas Transportation Institute

<http://tti.tamu.edu/>