

HOUSTON-GALVESTON AREA COUNCIL



Temporary Pedestrian/Bicycle Counters
Data Summary

Deployment Summary	
Sponsoring Agency	Houston-Galveston Area Council
Deployment Period	Friday, August 28, 2015 – Sunday, September 13, 2015
Number of Counters Deployed	3
Locations Deployed	
Counter #1	Tom Blakeney, Jr. Trail at Mustang Bayou
Counter #2	Tom Blakeney, Jr. Trail at E. House Street
Counter #3	Tom Blakeney, Jr. Trail at E. South Street

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.

Counter #1

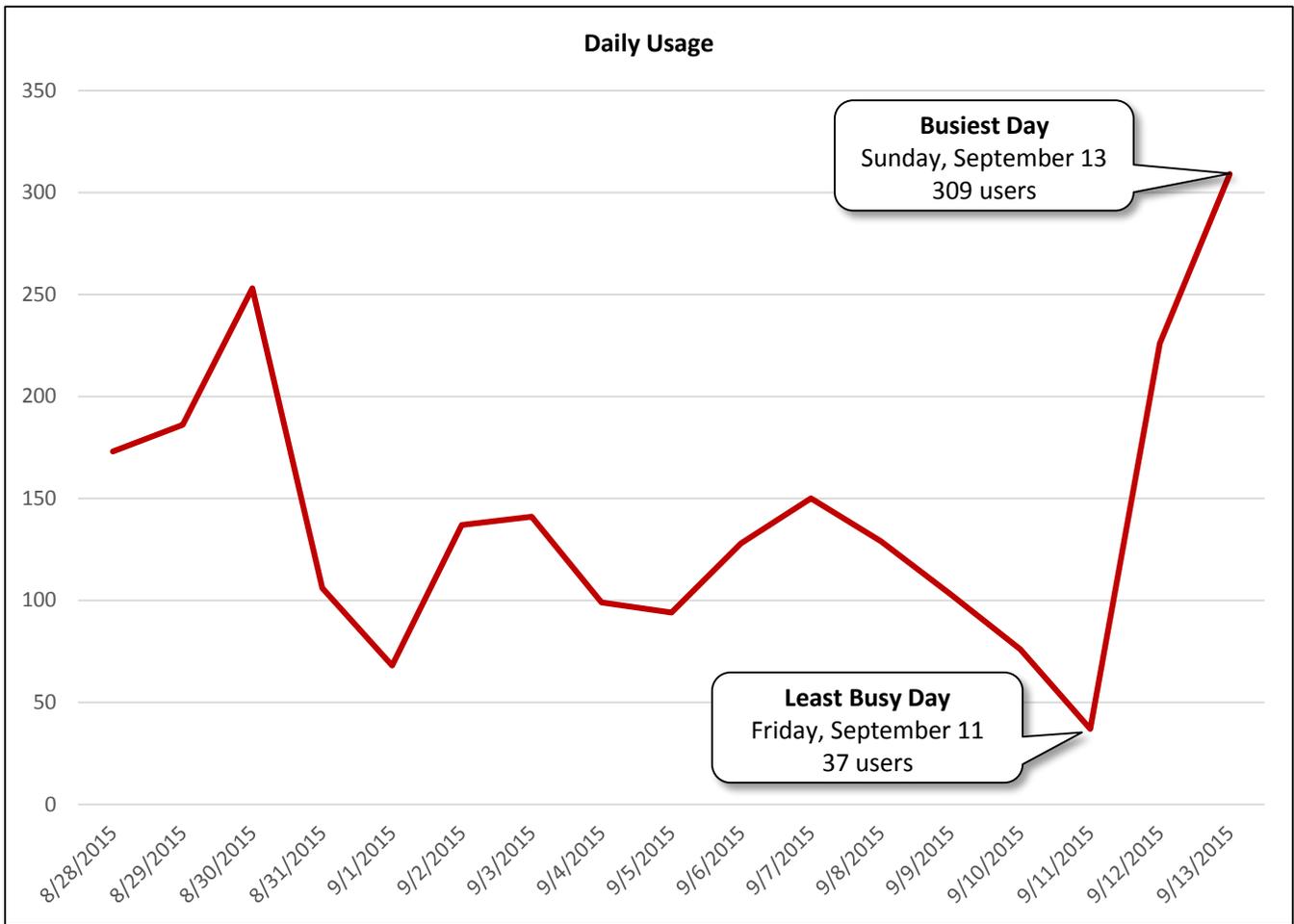
Tom Blakeney, Jr. Trail at Mustang Bayou

Location Information		
Location Name	Tom Blakeney, Jr. Trail at Mustang Bayou	
Location Description	Tom Blakeney, Jr. Trail at Bridge over Mustang Bayou near E. Sidnor St.	
Jurisdiction	City of Alvin	
Agency Deployed	Houston-Galveston Area Council	
GPS Coordinates	29°25'24.5"N, 95°14'25.3"W	
Surrounding Land Uses	North	Park, Open Space
	South	Single-Family Residential
	East	Single-Family Residential, Open Space
	West	Park
What object was device secured to?	Sign Post (Object Maker) on Western End of Bridge over Mustang Bayou	
Sidewalk Width	12'	
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	Intermittent Trees	
Sidewalk Pavement Type	Asphalt	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	Yes (Lighting along Shared-Use Path)	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	No	
Shade	Yes (Intermittent Trees)	
Have counts been collected by H-GAC at this location before?	No	

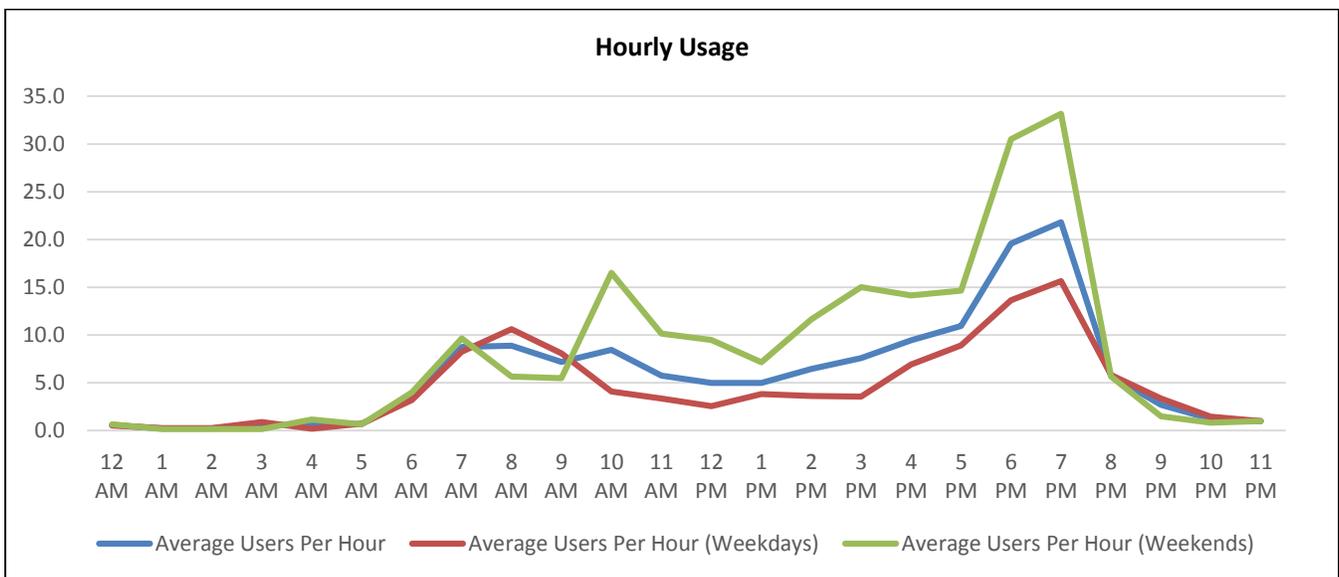
Trends
<ul style="list-style-type: none"> • There tends to be higher usage on weekends than during weekdays. • On weekdays, the facility experiences higher usage in the morning (7:00 a.m. – 10:00 a.m.) and the evening (5:00 p.m. – 8:00 p.m.). • On weekends, usage generally increases as the day progresses, peaking between 6:00 p.m. and 8:00 p.m.

Daily Usage				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, August 28, 2015	173	91	72	0
Saturday, August 29, 2015	186	91	70	0
Sunday, August 30, 2015	253	90	71	0
Monday, August 31, 2015	106	87	73	0
Tuesday, September 1, 2015	68	81	73	0.27
Wednesday, September 2, 2015	137	88	73	0.87
Thursday, September 3, 2015	141	91	75	0.01
Friday, September 4, 2015	99	89	75	0.49
Saturday, September 5, 2015	94	91	77	0.06
Sunday, September 6, 2015	128	96	75	0
Monday, September 7, 2015	150	91	78	0.39
Tuesday, September 8, 2015	129	91	75	0.27
Wednesday, September 9, 2015	103	90	75	0
Thursday, September 10, 2015	76	90	75	2.17
Friday, September 11, 2015	37	78	75	1.07
Saturday, September 12, 2015	226	87	73	0
Sunday, September 13, 2015	309	84	63	0
Total	2,415			
Average Daily Usage	142			
Average Daily Usage (Weekday)	111			
Average Daily Usage (Weekend)	199			

*Weather conditions recorded at KLVJ (Pearland, TX).



Hourly Usage			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.6	0.5	0.7
1:00 a.m.	0.2	0.3	0.2
2:00 a.m.	0.2	0.3	0.2
3:00 a.m.	0.6	0.9	0.2
4:00 a.m.	0.5	0.2	1.2
5:00 a.m.	0.7	0.7	0.7
6:00 a.m.	3.5	3.2	4.0
7:00 a.m.	8.8	8.3	9.7
8:00 a.m.	8.9	10.6	5.7
9:00 a.m.	7.2	8.1	5.5
10:00 a.m.	8.5	4.1	16.5
11:00 a.m.	5.8	3.4	10.2
12:00 p.m.	5.0	2.5	9.5
1:00 p.m.	5.0	3.8	7.2
2:00 p.m.	6.5	3.6	11.7
3:00 p.m.	7.6	3.5	15.0
4:00 p.m.	9.5	6.9	14.2
5:00 p.m.	10.9	8.9	14.7
6:00 p.m.	19.6	13.6	30.5
7:00 p.m.	21.8	15.6	33.2
8:00 p.m.	5.8	5.8	5.7
9:00 p.m.	2.7	3.4	1.5
10:00 p.m.	1.2	1.5	0.8
11:00 p.m.	1.0	1.0	1.0



Counter #2

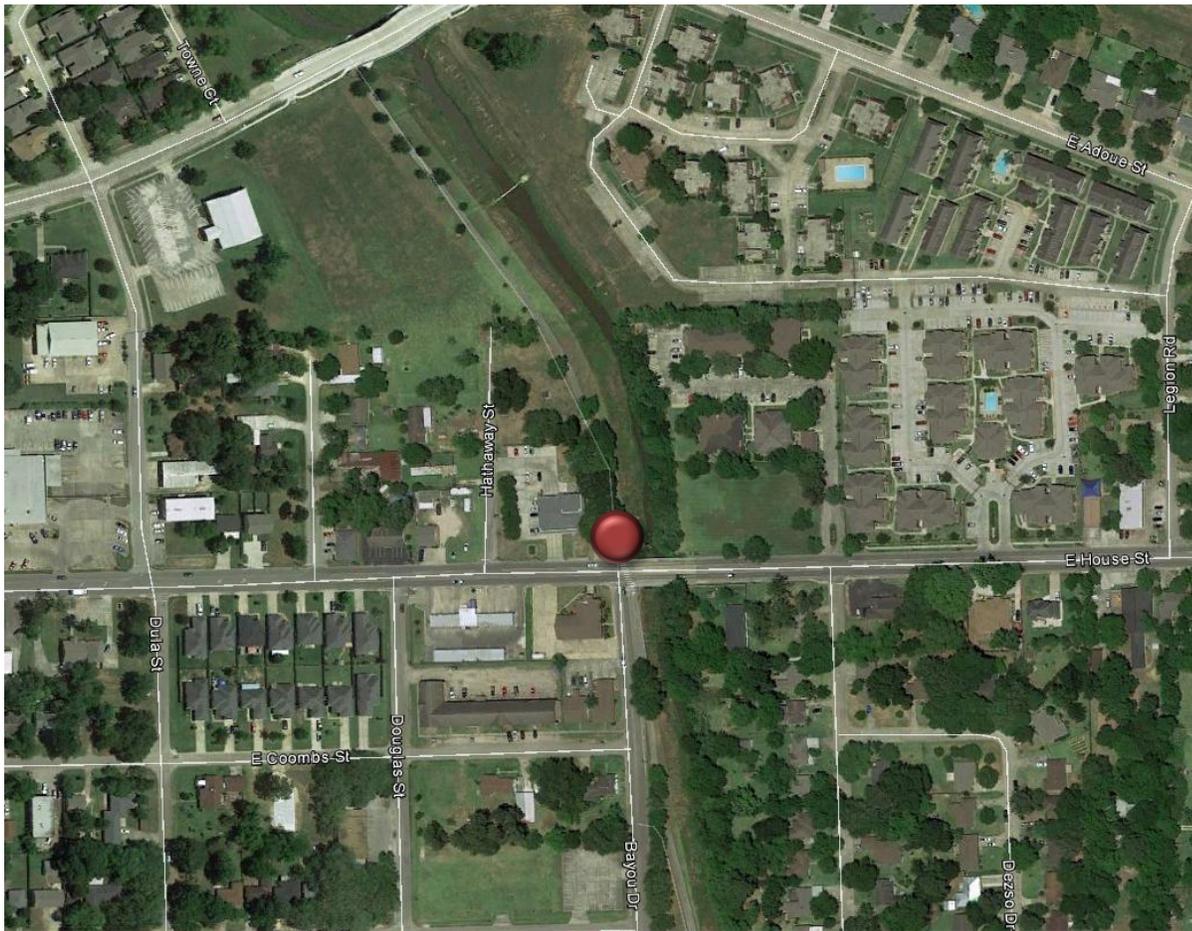
Tom Blakeney, Jr. Trail at E. House Street

Location Information		
Location Name	Tom Blakeney, Jr. Trail at E. House Street	
Location Description	Tom Blakeney, Jr. Trail North of E. House Street (Adjacent to Alvin EMS Building)	
Jurisdiction	City of Alvin	
Agency Deployed	Houston-Galveston Area Council	
GPS Coordinates	29°25'8.2"N, 95°14'13.2"W	
Surrounding Land Uses	North	Park, Open Space
	South	Institutional (Church), Multi-Family Residential
	East	Single-Family Residential, Multi-Family Residential
	West	Public Building (Alvin EMS), Commercial, Single-Family Resid.
What object was device secured to?	Sign Post (No Motor Vehicles/Stop Sign)	
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	Intermittent Trees	
Sidewalk Pavement Type	Asphalt	
ADA Ramps	Yes	
Sidewalk Condition	Good	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	None	
Street Traffic Volume	N/A (Off-Road Shared-Use Path)	
Transit	None	
Shade	Yes (Intermittent Trees)	
Have counts been collected by H-GAC at this location before?	No	

Trends

- There tends to be higher usage on weekends than during weekdays.
- On weekdays, usage is highest in the morning (7:00 a.m. – 10:00 a.m.) and the evening (6:00 p.m. – 8:00 p.m.).
- On weekends, usage peaks in the evening (6:00 p.m. – 8:00 p.m.), with a less pronounced increase in usage during the morning hours (7:00 a.m. – 10:00 a.m.).

Location Information: Map



Location Information: Photos



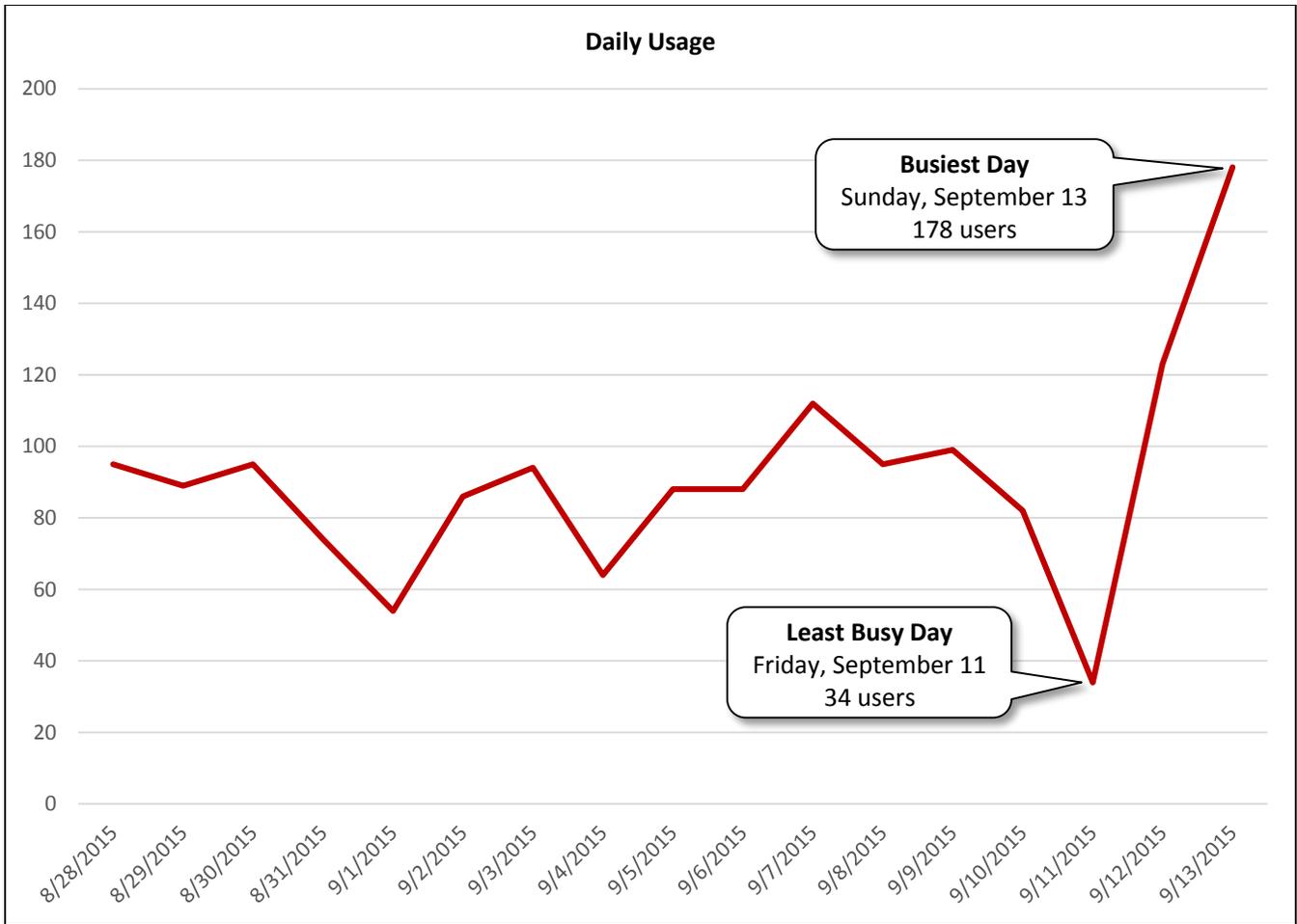
Image 3: Tom Blakeney, Jr. Trail Facing North



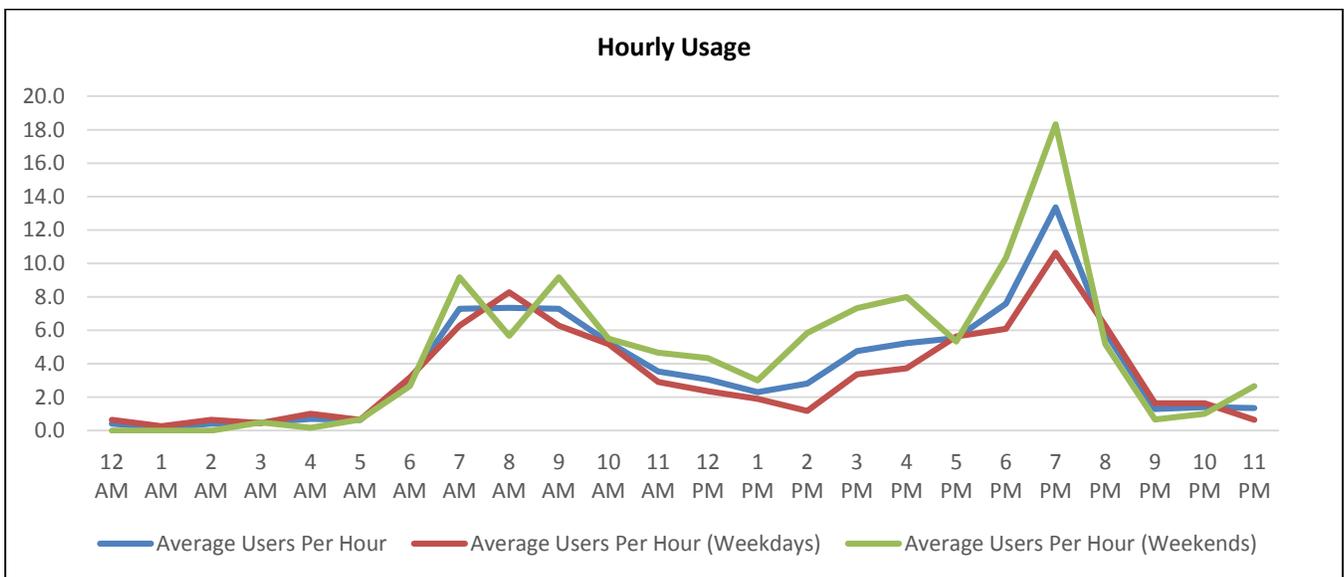
Image 4: Tom Blakeney, Jr. Trail Facing South

Daily Usage				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, August 28, 2015	95	91	72	0
Saturday, August 29, 2015	89	91	70	0
Sunday, August 30, 2015	95	90	71	0
Monday, August 31, 2015	74	87	73	0
Tuesday, September 1, 2015	54	81	73	0.27
Wednesday, September 2, 2015	86	88	73	0.87
Thursday, September 3, 2015	94	91	75	0.01
Friday, September 4, 2015	64	89	75	0.49
Saturday, September 5, 2015	88	91	77	0.06
Sunday, September 6, 2015	88	96	75	0
Monday, September 7, 2015	112	91	78	0.39
Tuesday, September 8, 2015	95	91	75	0.27
Wednesday, September 9, 2015	99	90	75	0
Thursday, September 10, 2015	82	90	75	2.17
Friday, September 11, 2015	34	78	75	1.07
Saturday, September 12, 2015	123	87	73	0
Sunday, September 13, 2015	178	84	63	0
Total	1,550			
Average Daily Usage	91			
Average Daily Usage (Weekday)	81			
Average Daily Usage (Weekend)	110			

*Weather conditions recorded at KLVJ (Pearland, TX).



Hourly Usage			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.4	0.6	0.0
1:00 a.m.	0.2	0.3	0.0
2:00 a.m.	0.4	0.6	0.0
3:00 a.m.	0.5	0.5	0.5
4:00 a.m.	0.7	1.0	0.2
5:00 a.m.	0.6	0.6	0.7
6:00 a.m.	3.0	3.2	2.7
7:00 a.m.	7.3	6.3	9.2
8:00 a.m.	7.4	8.3	5.7
9:00 a.m.	7.3	6.3	9.2
10:00 a.m.	5.3	5.2	5.5
11:00 a.m.	3.5	2.9	4.7
12:00 p.m.	3.1	2.4	4.3
1:00 p.m.	2.3	1.9	3.0
2:00 p.m.	2.8	1.2	5.8
3:00 p.m.	4.8	3.4	7.3
4:00 p.m.	5.2	3.7	8.0
5:00 p.m.	5.5	5.6	5.3
6:00 p.m.	7.6	6.1	10.3
7:00 p.m.	13.4	10.6	18.3
8:00 p.m.	5.9	6.3	5.2
9:00 p.m.	1.3	1.6	0.7
10:00 p.m.	1.4	1.6	1.0
11:00 p.m.	1.4	0.6	2.7



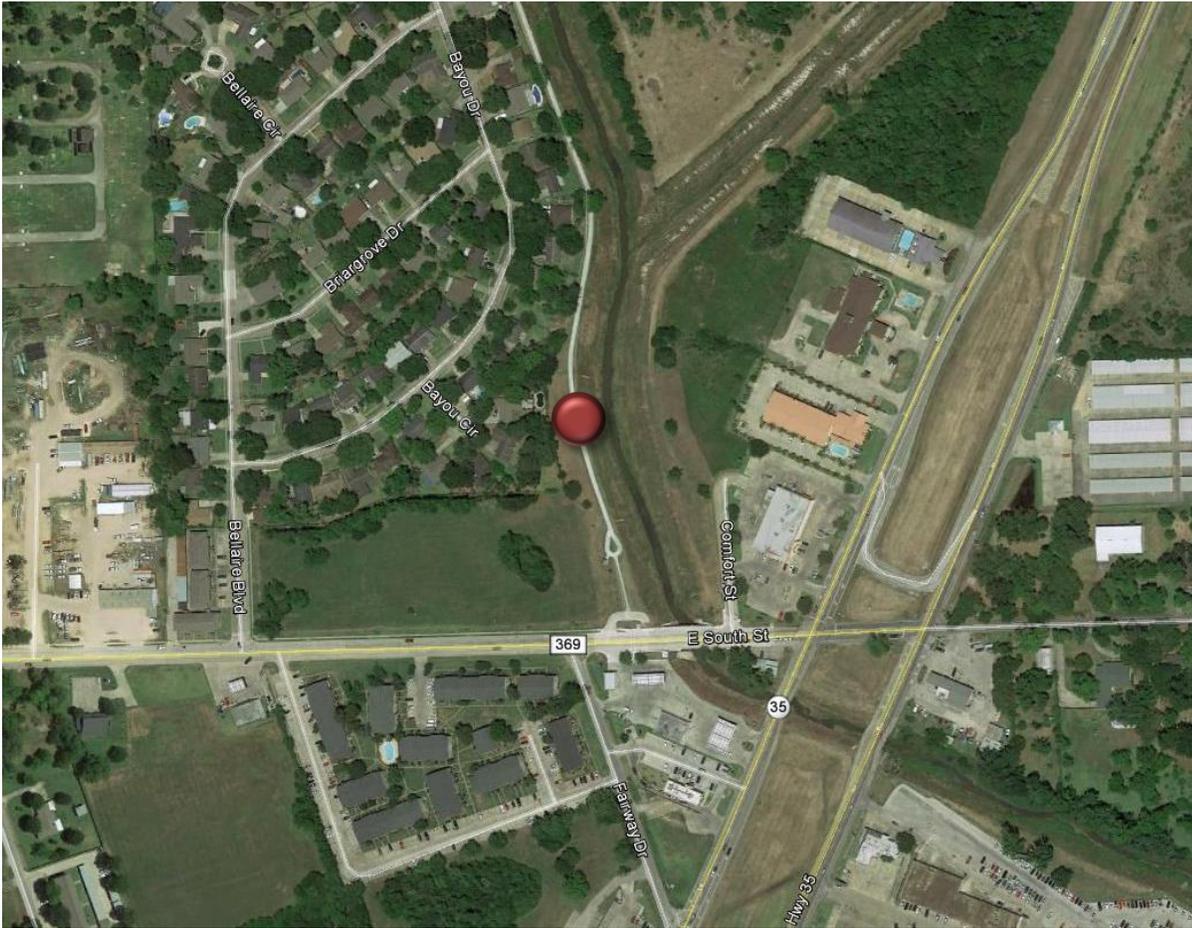
Counter #3

Tom Blakeney, Jr. Trail at E. South Street

Location Information		
Location Name	Tom Blakeney, Jr. Trail at E. South Street	
Location Description	Tom Blakeney, Jr. Trail North of E. South Street	
Jurisdiction	City of Alvin	
Agency Deployed	Houston-Galveston Area Council	
GPS Coordinates	29°24'38.8"N, 95°14'5.1"W	
Surrounding Land Uses	North	Single-Family Residential
	South	Commercial, Multi-Family Residential, Open Space
	East	Open Space, Commercial
	West	Single-Family Residential
What object was device secured to?	Bald Cypress Tree on West Side of Trail about 500' North of E. South Street	
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	Few Intermittent Trees	
Sidewalk Pavement Type	Concrete	
ADA Ramps	Yes	
Sidewalk Condition	Excellent	
Speed Limit	N/A (Off-Road Shared-Use Path)	
Street Lighting	None	
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"> • There tends to be higher usage on weekends than during weekdays. • On weekdays, usage is highest in the morning (7:00 a.m. – 9:00 a.m.) and the evening (7:00 p.m. – 8:00 p.m.). • On weekends, usage peaks in the evening (6:00 p.m. – 8:00 p.m.), with a less pronounced increase in usage during the morning hours (7:00 a.m. – 10:00 a.m.).

Location Information: Map



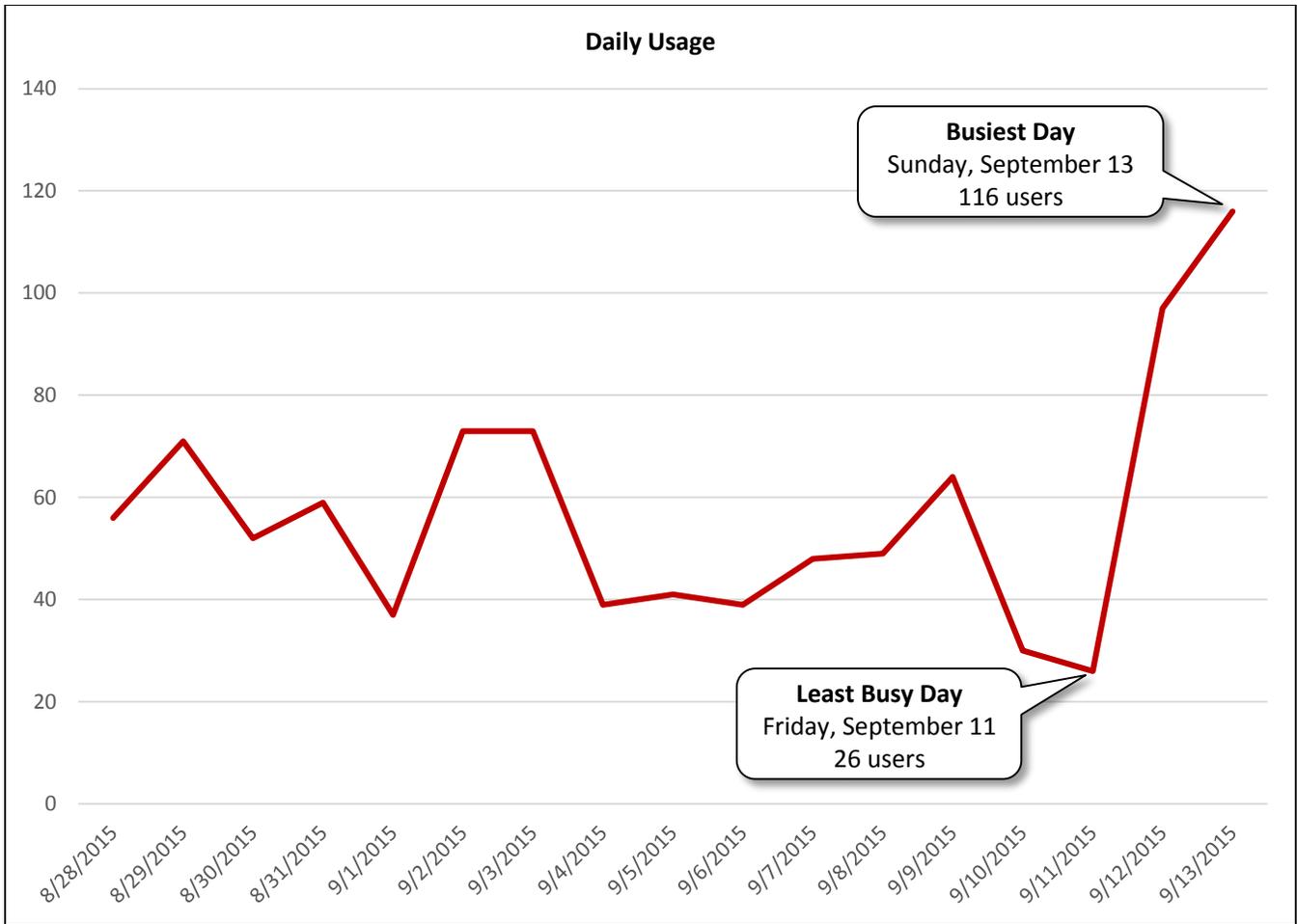
Location Information: Photo



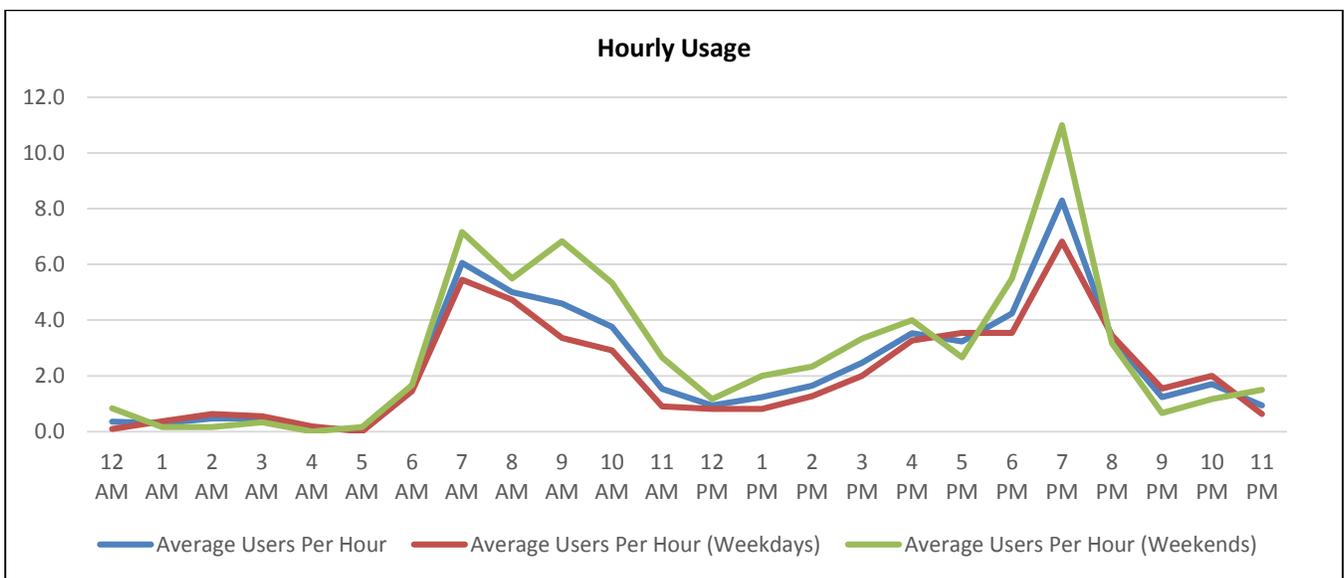
Image 5: Tom Blakeney, Jr. Trail Facing North

Daily Usage				
Date	Users	Select Weather Data*		
		High Temperature (°F)	Low Temperature (°F)	Precipitation (inches)
Friday, August 28, 2015	56	91	72	0
Saturday, August 29, 2015	71	91	70	0
Sunday, August 30, 2015	52	90	71	0
Monday, August 31, 2015	59	87	73	0
Tuesday, September 1, 2015	37	81	73	0.27
Wednesday, September 2, 2015	73	88	73	0.87
Thursday, September 3, 2015	73	91	75	0.01
Friday, September 4, 2015	39	89	75	0.49
Saturday, September 5, 2015	41	91	77	0.06
Sunday, September 6, 2015	39	96	75	0
Monday, September 7, 2015	48	91	78	0.39
Tuesday, September 8, 2015	49	91	75	0.27
Wednesday, September 9, 2015	64	90	75	0
Thursday, September 10, 2015	30	90	75	2.17
Friday, September 11, 2015	26	78	75	1.07
Saturday, September 12, 2015	97	87	73	0
Sunday, September 13, 2015	116	84	63	0
Monday, September 14, 2015	56	84	64	0
Total	970			
Average Daily Usage	57			
Average Daily Usage (Weekday)	50			
Average Daily Usage (Weekend)	69			

*Weather conditions recorded at KLVJ (Pearland, TX).



Hourly Usage			
Time of Day	Average Users Per Hour	Average Users Per Hour (Weekdays)	Average Users Per Hour (Weekends)
12:00 a.m.	0.4	0.1	0.8
1:00 a.m.	0.3	0.4	0.2
2:00 a.m.	0.5	0.6	0.2
3:00 a.m.	0.5	0.5	0.3
4:00 a.m.	0.1	0.2	0.0
5:00 a.m.	0.1	0.0	0.2
6:00 a.m.	1.5	1.5	1.7
7:00 a.m.	6.1	5.5	7.2
8:00 a.m.	5.0	4.7	5.5
9:00 a.m.	4.6	3.4	6.8
10:00 a.m.	3.8	2.9	5.3
11:00 a.m.	1.5	0.9	2.7
12:00 p.m.	0.9	0.8	1.2
1:00 p.m.	1.2	0.8	2.0
2:00 p.m.	1.6	1.3	2.3
3:00 p.m.	2.5	2.0	3.3
4:00 p.m.	3.5	3.3	4.0
5:00 p.m.	3.2	3.5	2.7
6:00 p.m.	4.2	3.5	5.5
7:00 p.m.	8.3	6.8	11.0
8:00 p.m.	3.4	3.5	3.2
9:00 p.m.	1.2	1.5	0.7
10:00 p.m.	1.7	2.0	1.2
11:00 p.m.	0.9	0.6	1.5



Counter Locations



Participants

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

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

City of Alvin
<http://www.alvin-tx.gov/>