

HOUSTON-GALVESTON AREA COUNCIL



Temporary Pedestrian/Bicycle Counters
Data Summary

| Deployment Summary | |
|-----------------------------|--|
| Sponsoring Agency | Buffalo Bayou Partnership Houston-Galveston Area Council Texas Transportation Institute |
| Deployment Period | Friday, September 30, 2016 – Monday, October 10, 2016 |
| Number of Counters Deployed | 20 |
| Facility Description | Shared-Use Paths and Pedestrians Pathways in Buffalo Bayou Park Sidewalks along Major Thoroughfares near Buffalo Bayou Park |
| Locations Deployed | |
| Counter H1 | Buffalo Bayou North Bank: St. Thomas High School (Pedestrian Path) |
| Counter H2 | Buffalo Bayou North Bank: St. Thomas High School |
| Counter H3 | Buffalo Bayou South Bank: Lost Lake |
| Counter H4 | Buffalo Bayou South Bank: Johnny Steele Dog Park (Pedestrian Path) |
| Counter H5 | Buffalo Bayou South Bank: Johnny Steele Dog Park (Main Shared-Use Path) |
| Counter H6 | Buffalo Bayou South Bank: Johnny Steele Dog Park (Roadside Shared-Use Path) |
| Counter H7 | Buffalo Bayou North Bank: Green Tree Nature Area |
| Counter T1 | Buffalo Bayou North Bank: Police Memorial |
| Counter T2 | Buffalo Bayou North Bank: Nature Play Area (Sabine Street Access) |
| Counter T3 | Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path) |
| Counter T4 | Buffalo Bayou North Bank: Nature Play Area (Pedestrian Path) |
| Counter T5 | Buffalo Bayou South Bank: Eleanor Tinsley Park |
| Counter T7 | Memorial Drive Westbound: West of Shepherd Drive |
| Counter T8 | Memorial Drive Eastbound: West of Shepherd Drive |
| Counter T9 | Memorial Drive Eastbound at East Terrace Drive |
| Counter T10 | Kirby Drive Southbound: West of Shepherd Drive |
| Counter T11 | Kirby Drive Northbound: West of Shepherd Drive |
| Counter T12 | Shepherd Drive Southbound: South of Kirby Drive/Allen Parkway |
| Counter T13 | Shepherd Drive Northbound: South of Kirby Drive/Allen Parkway |
| Counter T14 | Pedestrian/Bicycle Bridge at Shepherd Drive |

About the Temporary Pedestrian/Bicycle Counters

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

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

Counter Locations

Shared-Use Paths and Pedestrian Pathways in Buffalo Bayou Park near Downtown Houston
(Shepherd Drive to Montrose Boulevard/Studemont Street)

Sidewalks West of Buffalo Bayou Park along Shepherd Drive/Kirby Drive/Memorial Drive



| Counter | Location | Avg. Daily Usage | Total Users | Page Number |
|---------|---|------------------|-------------|-------------|
| H1 | Buffalo Bayou North Bank: St. Thomas High School (Pedestrian Path) | 139 | 1,529 | 7 |
| H2 | Buffalo Bayou North Bank: St. Thomas High School | 1,172* | 7,032* | 12 |
| H3 | Buffalo Bayou South Bank: Lost Lake | 1,180 | 12,984 | 17 |
| H4 | Buffalo Bayou South Bank: Johnny Steele Dog Park (Pedestrian Path) | N/A** | N/A** | 22 |
| H5 | Buffalo Bayou South Bank: Johnny Steele Dog Park (Main Shared-Use Path) | 1,121 | 12,327 | 24 |
| H6 | Buffalo Bayou South Bank: Johnny Steele Dog Park (Roadside Shared-Use Path) | 676 | 7,431 | 29 |
| H7 | Buffalo Bayou North Bank: Green Tree Nature Area | 1,529 | 16,814 | 34 |
| T7 | Memorial Drive Westbound: West of Shepherd Drive | 133 | 1,462 | 64 |
| T8 | Memorial Drive Eastbound: West of Shepherd Drive | 387 | 4,260 | 68 |
| T9 | Memorial Drive Eastbound at East Terrace Drive | 171 | 1,882 | 72 |
| T10 | Kirby Drive Southbound: West of Shepherd Drive | 237 | 2,608 | 76 |
| T11 | Kirby Drive Northbound: West of Shepherd Drive | 64 | 705 | 80 |
| T12 | Shepherd Drive Southbound: South of Kirby Drive/Allen Parkway | 104 | 1,149 | 84 |
| T13 | Shepherd Drive Northbound: South of Kirby Drive/Allen Parkway | 88 | 963 | 88 |
| T14 | Pedestrian/Bicycle Bridge at Shepherd Drive | 952 | 10,470 | 92 |

*Counter H2 stopped collecting data prior to the end of the deployment period (around 12:00 a.m. on Thursday, October 6, 2016).

**Counter H4 malfunctioned and did not collect data during the deployment period.

Counter Locations

Shared-Use Paths and Pedestrian Pathways in Buffalo Bayou Park near Downtown Houston
(Montrose Boulevard/Studemont Street to Interstate 45)



| Counter | Location | Avg. Daily Usage | Total Users | Page Number |
|---------|---|------------------|-------------|-------------|
| T1 | Buffalo Bayou North Bank: Police Memorial | 1,681 | 18,490 | 39 |
| T2 | Buffalo Bayou North Bank: Nature Play Area (Sabine Street Access) | 966 | 10,626 | 44 |
| T3 | Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path) | 598 | 6,577 | 49 |
| T4 | Buffalo Bayou North Bank: Nature Play Area (Pedestrian Path) | 380 | 4,183 | 54 |
| T5 | Buffalo Bayou South Bank: Eleanor Tinsley Park | 1,539 | 16,924 | 59 |

Overall Trends and Notes

- *Busiest Locations*

The following locations had the highest average daily usage during the deployment period:

| Top 3 Locations: Highest Average Daily Usage | | | | |
|---|--------------------|-------------------------|------------------------------------|------------------------------------|
| <i>Location</i> | <i>Total Usage</i> | <i>Avg. Daily Usage</i> | <i>Avg. Daily Usage (Weekdays)</i> | <i>Avg. Daily Usage (Weekends)</i> |
| Buffalo Bayou North Bank: Police Memorial | 18,490 | 1,681 | 1,218 | 2,491 |
| Buffalo Bayou South Bank: Eleanor Tinsley Park | 16,924 | 1,539 | 1,195 | 2,140 |
| Buffalo Bayou North Bank: Green Tree Nature Area | 16,814 | 1,529 | 1,057 | 2,354 |

- *Higher Weekend Usage*

At all locations, average daily usage was higher during weekends than on weekdays.

- *Increased Usage Since Previous Deployments*

At most locations where pedestrian/bicycle counters have been deployed multiple times, average daily usage during this deployment was higher than that recorded during previous deployments.

- *Events along Allen Parkway*

Events along Allen Parkway may have impacted usage. For example, the Komen Race for the Cure was held the morning of Saturday, October 1, 2016 along Allen Parkway adjacent to Buffalo Bayou Park. More than 15,000 people participated in the event.

- *Allen Parkway Reconstruction*

A reconstruction project along Allen Parkway was almost complete during the deployment period. The project is intended to improve access to Buffalo Bayou Park by providing safer pedestrian/bicycle crossings along Allen Parkway and increasing the amount of parking available.

Comparing Usage along Shared-Use Paths to Parallel Pedestrian Pathways

A shared-use path runs along each bank of Buffalo Bayou between Shepherd Drive and Interstate 45. At some locations, pathways exclusively for pedestrians parallel the main shared-use paths. To compare usage of these different facilities, temporary pedestrian/bicycle counters were placed on shared-use paths and pedestrian pathways near each other to create a *screen line*.

| Buffalo Bayou North Bank: St. Thomas High School | | | | | |
|---|----------------------|--------------------|-------------------------|------------------------------------|------------------------------------|
| <i>Counter</i> | <i>Location</i> | <i>Total Usage</i> | <i>Avg. Daily Usage</i> | <i>Avg. Daily Usage (Weekdays)</i> | <i>Avg. Daily Usage (Weekends)</i> |
| H1 | Pedestrian Pathway | 1,529 | 139 | 105 | 198 |
| H2 | Main Shared-Use Path | 7,032* | 1,172 | 949 | 1,619 |

*Counter H2 stopped collecting data prior to the end of the deployment period (around 12:00 a.m. on Thursday, October 6, 2016).

East of Shepherd Drive near St. Thomas High School, users can travel along the pedestrians-only pathway next to Memorial Drive or the main shared-use path closer to Buffalo Bayou. Unfortunately, Counter H2 (along the main shared-use path) stopped collecting data prior to the end of the deployment period, making it more difficult to compare usage. On average, the main shared-use path has significantly more usage than the parallel pedestrian pathway.

| Buffalo Bayou South Bank: Johnny Steele Dog Park | | | | | |
|---|--------------------------|--|-------------------------|------------------------------------|------------------------------------|
| <i>Counter</i> | <i>Location</i> | <i>Total Usage</i> | <i>Avg. Daily Usage</i> | <i>Avg. Daily Usage (Weekdays)</i> | <i>Avg. Daily Usage (Weekends)</i> |
| H4 | Pedestrian Pathway | Counter H4 malfunctioned and did not collect data. | | | |
| H5 | Main Shared-Use Path | 12,327 | 1,121 | 784 | 1,710 |
| H6 | Roadside Shared-Use Path | 7,431 | 676 | 444 | 1,082 |

Near Johnny Steele Dog Park, users can travel along the pedestrians-only pathway adjacent to Buffalo Bayou, the main shared-use path, or the shared-use path adjacent to Allen Parkway. Unfortunately, Counter H4 (along the pedestrians-only pathway) malfunctioned and did not collect data during the deployment period. On average, the main shared-use path near Johnny Steele Dog Park has approximately 66% higher usage than the parallel shared-use path adjacent to Allen Parkway.

Counter H7 (Buffalo Bayou North Bank: Green Tree Natural Area) was located on the opposite side of Buffalo Bayou, across from the Johnny Steele Dog Park. On average, 1,529 users passed Counter H7 each day (16,814 total during the deployment period).

| Buffalo Bayou North Bank: Nature Play Area | | | | | |
|---|----------------------|--------------------|-------------------------|------------------------------------|------------------------------------|
| <i>Counter</i> | <i>Location</i> | <i>Total Usage</i> | <i>Avg. Daily Usage</i> | <i>Avg. Daily Usage (Weekdays)</i> | <i>Avg. Daily Usage (Weekends)</i> |
| T2 | Sabine Street Access | 10,626 | 966 | 671 | 1,483 |
| T3 | Main Shared-Use Path | 6,577 | 598 | 379 | 982 |
| T4 | Pedestrian Pathway | 4,183 | 380 | 268 | 577 |

During the deployment period, 21,386 pedestrians and cyclists passed the Nature Play Area using one of three facilities: the main shared-use path, the pedestrians-only pathway adjacent to Buffalo Bayou, or the shared-use path that passes between the Lee and Joe Jamail Skatepark and the Nature Play Area. 30.8% of pedestrian/bicycle traffic through the

area was along the main shared-use path, while 19.5% was along the pedestrians-only pathway. 49.7% of pedestrian/bicycle traffic in the area was along the shared-use path that provides access to Sabine Street.

Counter T5 (Buffalo Bayou South Bank: Eleanor Tinsley Park) was located on the opposite side of Buffalo Bayou, across from the Nature Play Area. On average, 1,539 users passed Counter T5 each day (16,924 total during the deployment period).

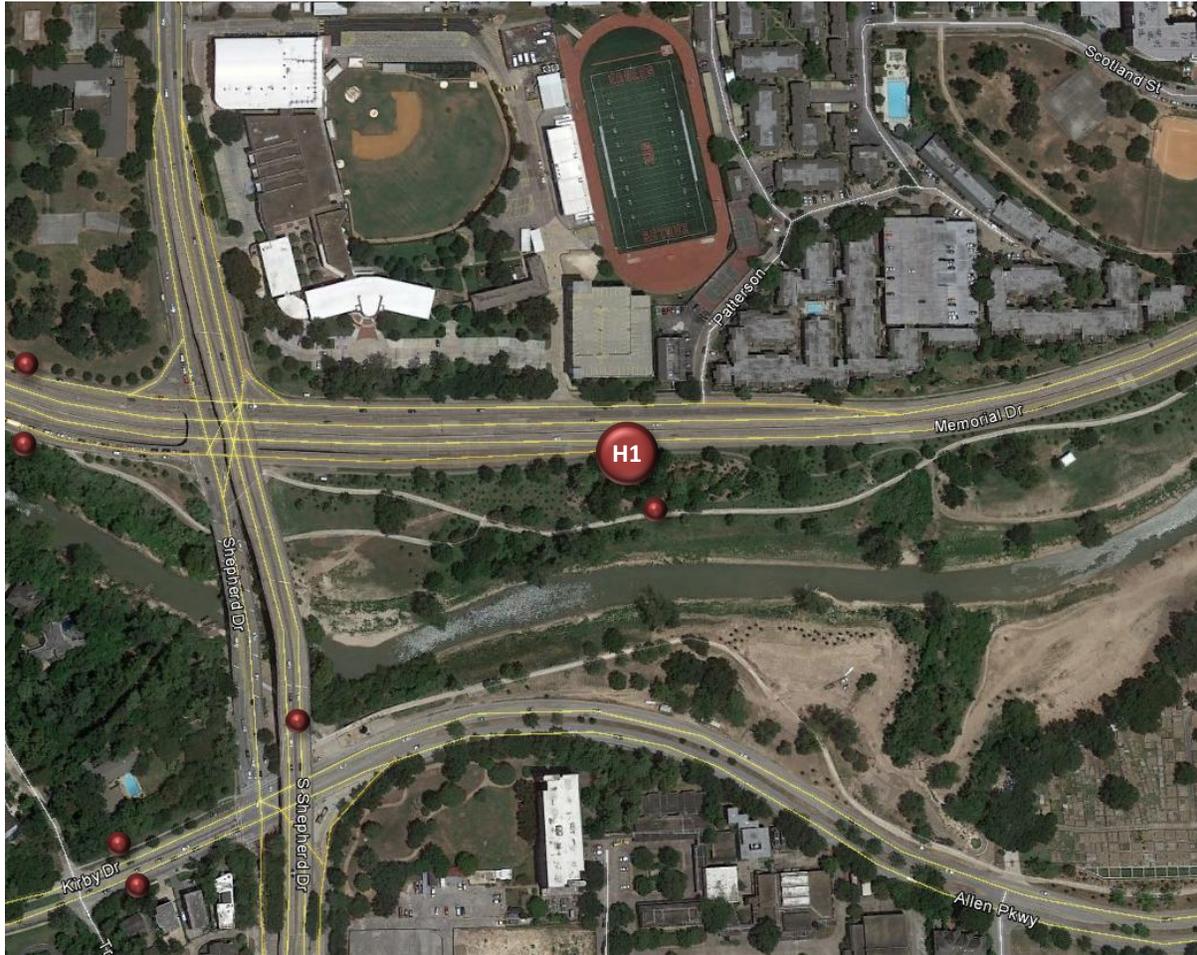
Counter H1

Buffalo Bayou North Bank: St. Thomas High School (Pedestrian Path)

| Location Information | | |
|--|---|---|
| Location Name | Buffalo Bayou North Bank: St. Thomas High School (Pedestrian Path) | |
| Location Description | Pedestrians-Only Pathway Adjacent to Memorial Drive near St. Thomas High School | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'41.42"N, 95°24'22.46"W | |
| Surrounding Land Uses | North | Institutional (St. Thomas High School), Commercial/Retail, Multi-Family Residential |
| | South | Park, Institutional (The Center) |
| | East | Park, Multi-Family Residential |
| | West | Institutional (St. Thomas High School), Park |
| What object was device secured to? | Light Post #207120 (Aligned with End of Acceleration Lane from Shepherd Drive to Memorial Drive) | |
| Sidewalk Width | 5' | |
| Buffer Width | 3' | |
| Street Width | Four-Lane Divided Roadway with Entrance/Exit Ramp on Each Side | |
| Parallel Parking | No | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Asphalt | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | 50 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | 37,922 (4400 Memorial Drive: City of Houston 2011) | |
| Transit | Nearby (METRO Bus Stop 650' West at Shepherd Drive/Memorial Drive Intersection) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | Yes (February 2016) | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 139 users/day. • Usage tends to be significantly higher during weekends (198 users/day) than on weekdays (105 users/day). • On weekdays, usage tends to be highest in the morning (6:00 a.m. – 7:00 a.m.) and the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage is highest in the mornings (8:00 a.m. – 11:00 a.m.). • Average daily usage during this deployment (139 users/day) was 4.1% lower than average daily usage recorded in February 2016 (145 users/day). |

Location Information: Map



Location Information: Photos



Image 1: Pedestrian Pathway Adjacent to Memorial Drive Facing East

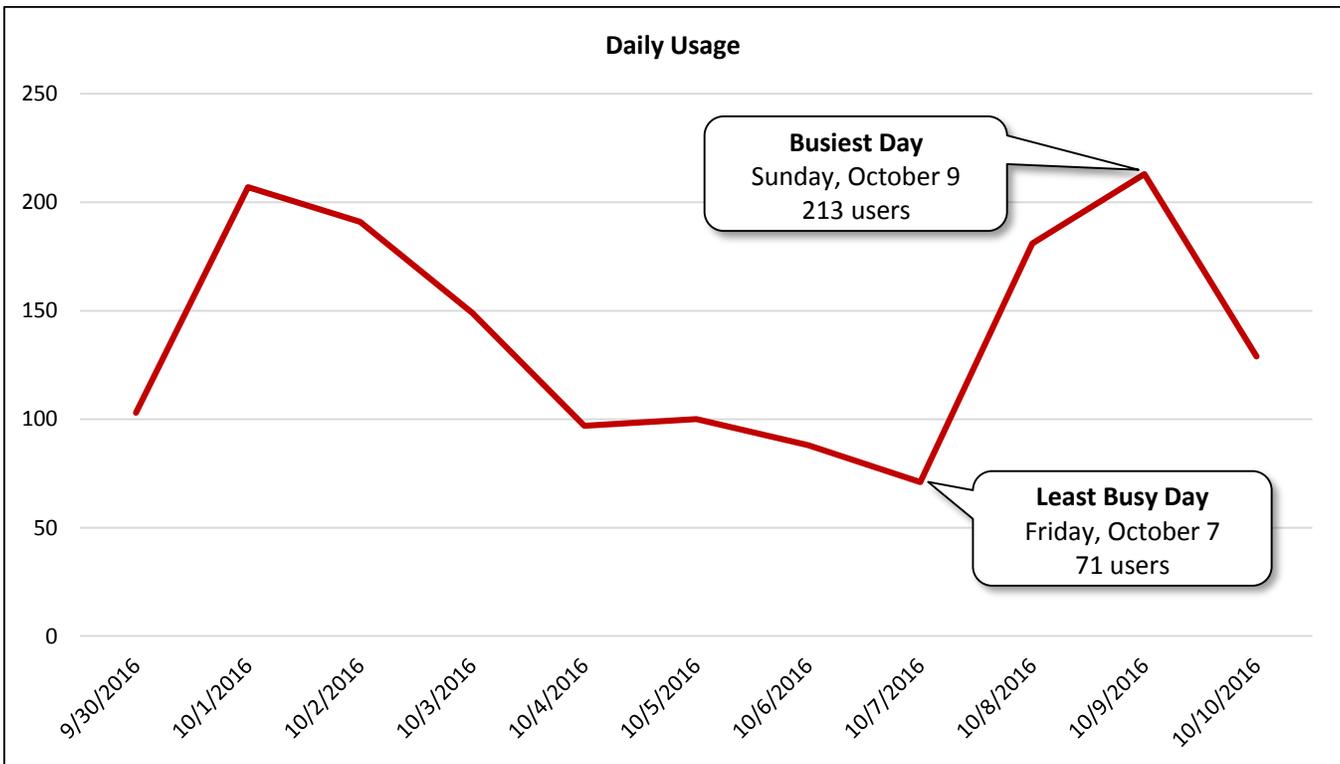


Image 2: Pedestrian Pathway Adjacent to Memorial Drive Facing West

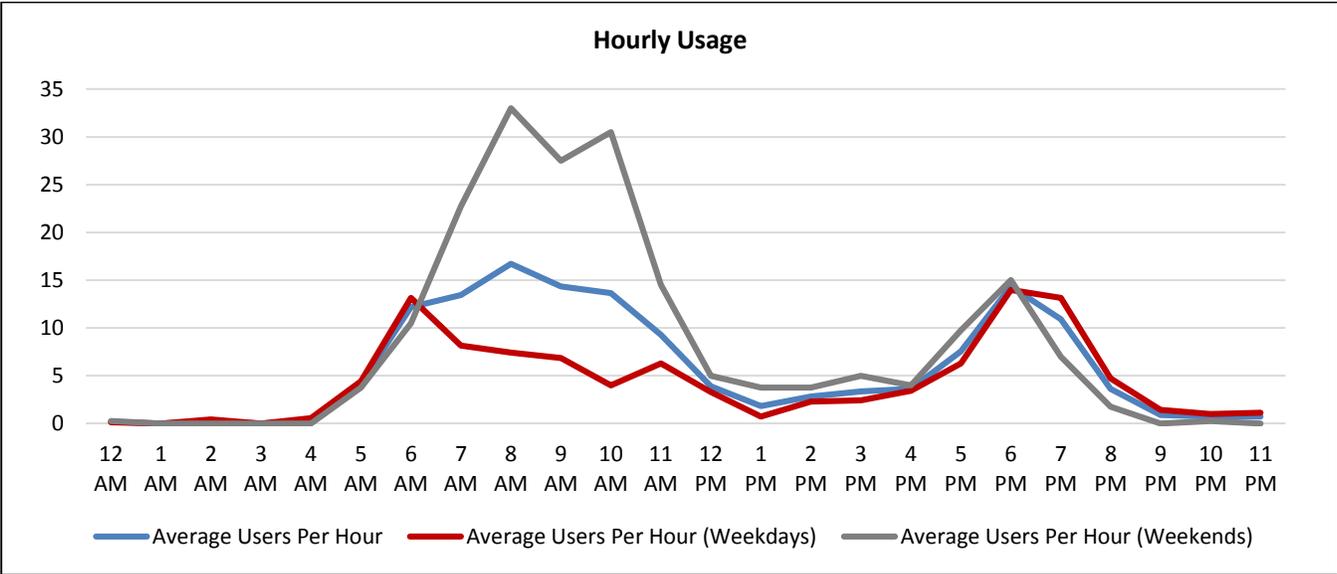
| Daily Usage | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Buffalo Bayou North Bank: St. Thomas High School (Pedestrian Path) | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 103 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 207 | 82 | 60 | T |
| Sunday, October 2, 2016 | 191 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 149 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 97 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 100 | 91 | 73 | T |
| Thursday, October 6, 2016 | 88 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 71 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 181 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 213 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 129 | 85 | 53 | 0 |

| | |
|--------------------------------------|-------|
| Total | 1,529 |
| Average Daily Usage | 139 |
| Average Daily Usage (Weekday) | 105 |
| Average Daily Usage (Weekend) | 198 |

*Weather conditions recorded at KHOU.



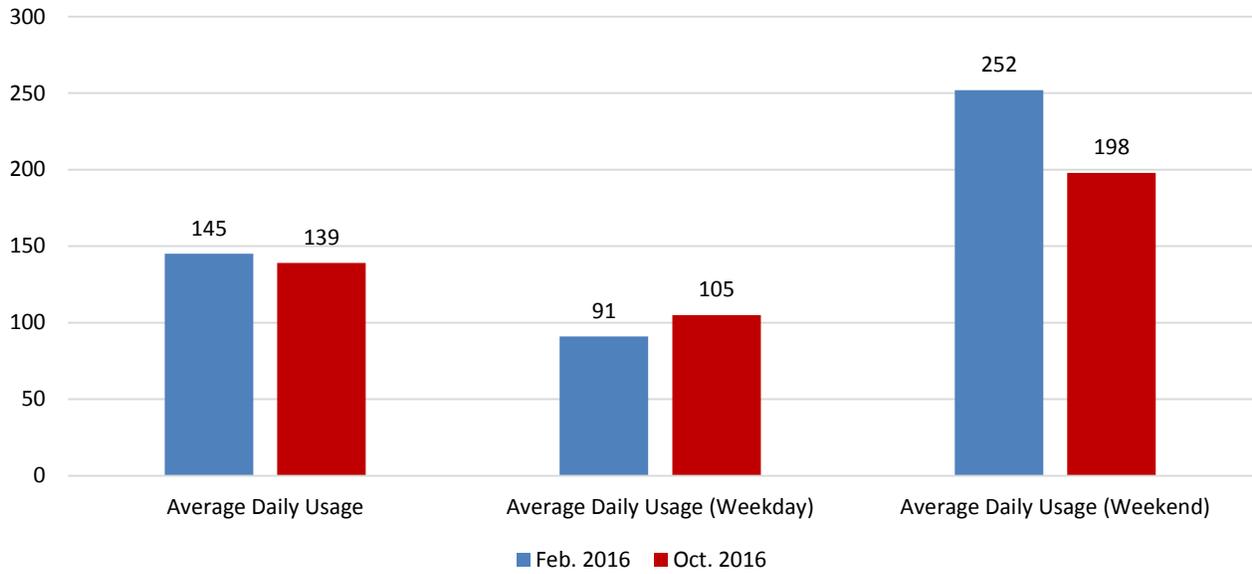
| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Buffalo Bayou North Bank: St. Thomas High School (Pedestrian Path) | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 0.2 | 0.1 | 0.3 |
| 1:00 a.m. | 0.0 | 0.0 | 0.0 |
| 2:00 a.m. | 0.3 | 0.4 | 0.0 |
| 3:00 a.m. | 0.0 | 0.0 | 0.0 |
| 4:00 a.m. | 0.4 | 0.6 | 0.0 |
| 5:00 a.m. | 4.2 | 4.4 | 3.8 |
| 6:00 a.m. | 12.2 | 13.1 | 10.5 |
| 7:00 a.m. | 13.5 | 8.1 | 22.8 |
| 8:00 a.m. | 16.7 | 7.4 | 33.0 |
| 9:00 a.m. | 14.4 | 6.9 | 27.5 |
| 10:00 a.m. | 13.6 | 4.0 | 30.5 |
| 11:00 a.m. | 9.3 | 6.3 | 14.5 |
| 12:00 p.m. | 3.9 | 3.3 | 5.0 |
| 1:00 p.m. | 1.8 | 0.7 | 3.8 |
| 2:00 p.m. | 2.8 | 2.3 | 3.8 |
| 3:00 p.m. | 3.4 | 2.4 | 5.0 |
| 4:00 p.m. | 3.6 | 3.4 | 4.0 |
| 5:00 p.m. | 7.5 | 6.3 | 9.8 |
| 6:00 p.m. | 14.4 | 14.0 | 15.0 |
| 7:00 p.m. | 10.9 | 13.1 | 7.0 |
| 8:00 p.m. | 3.6 | 4.7 | 1.8 |
| 9:00 p.m. | 0.9 | 1.4 | 0.0 |
| 10:00 p.m. | 0.7 | 1.0 | 0.3 |
| 11:00 p.m. | 0.7 | 1.1 | 0.0 |



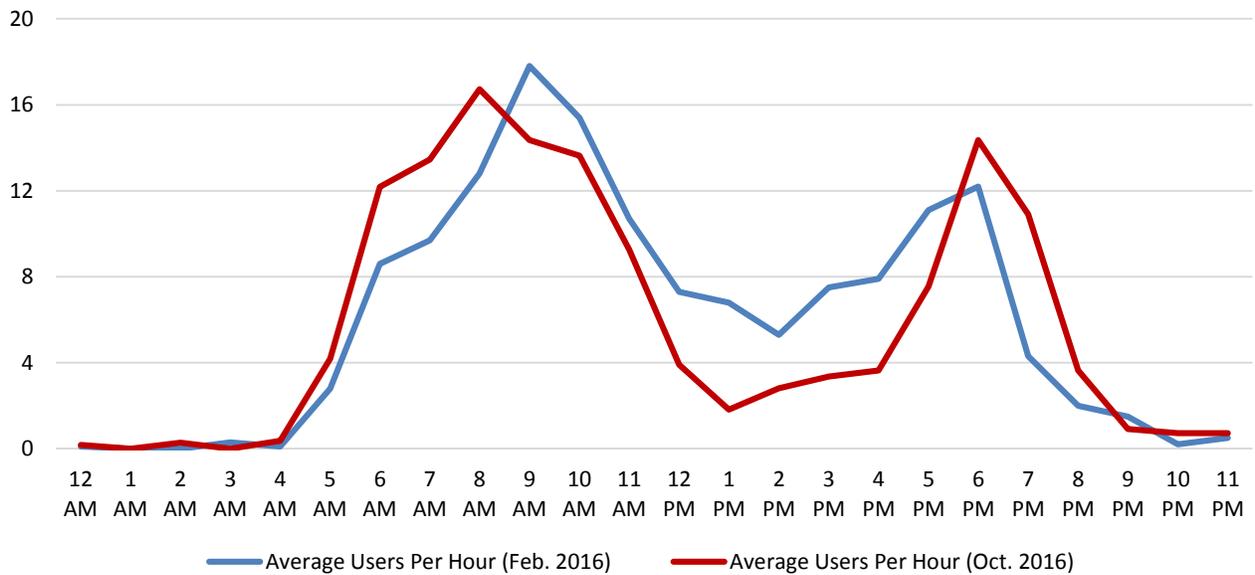
Historical Comparison

Buffalo Bayou North Bank: St. Thomas High School (Pedestrian Path)

Comparison: Daily Usage



Comparison: Hourly Usage



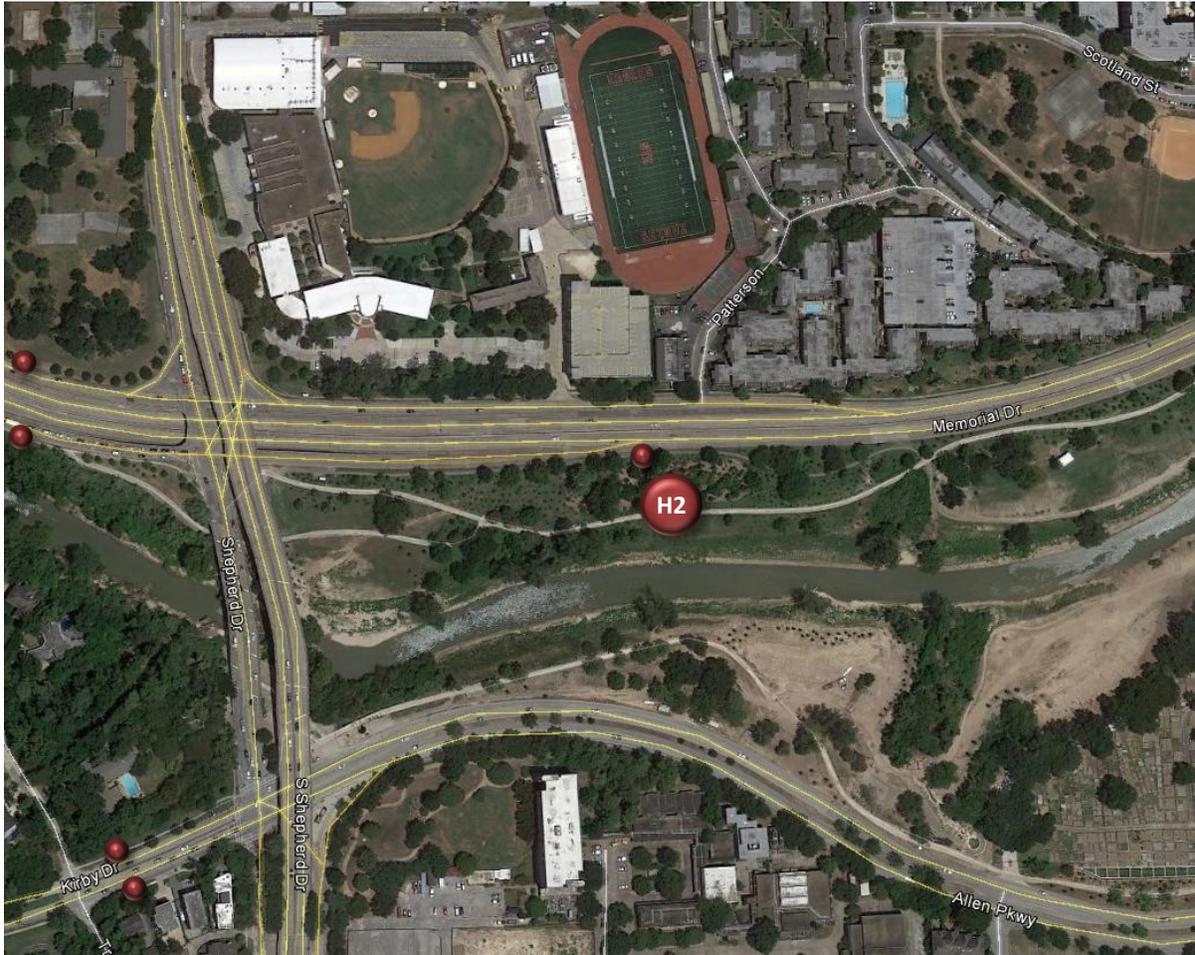
Counter H2

Buffalo Bayou North Bank: St. Thomas High School

| Location Information | | |
|--|--|---|
| Location Name | Buffalo Bayou North Bank: St. Thomas High School | |
| Location Description | Shared-Use Path along Buffalo Bayou: North Bank east of Memorial Drive/Shepherd Drive Intersection near St. Thomas High School | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'40.32"N, 95°24'22.42"W | |
| Surrounding Land Uses | North | Institutional (St. Thomas High School), Commercial/Retail, Multi-Family Residential |
| | South | Park, Institutional (The Center) |
| | East | Park, Multi-Family Residential |
| | West | Institutional (St. Thomas High School), Park |
| What object was device secured to? | Light Post #84 | |
| 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 | Yes | |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) | |
| Transit | Nearby (METRO Bus Stop 680' Northwest at Shepherd Drive/Memorial Drive Intersection) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | Yes (October 2014 and February 2016) | |
| Notes | Counter H2 stopped collecting data prior to the end of the deployment period (around 12:00 a.m. on Thursday, October 6, 2016). | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 1,172 users/day. • Usage tends to be significantly higher during weekends (1,619 users/day) than on weekdays (949 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 7:00 p.m.). • During weekends, usage is highest in the morning (7:00 a.m. – 11:00 a.m.). • Average daily usage during this deployment period (1,172 users/day) was 52.6% higher than average daily usage recorded in February 2016 (768 users/day) and 97.6% higher than October 2014 (593 users/day). |

Location Information: Map



Location Information: Photos

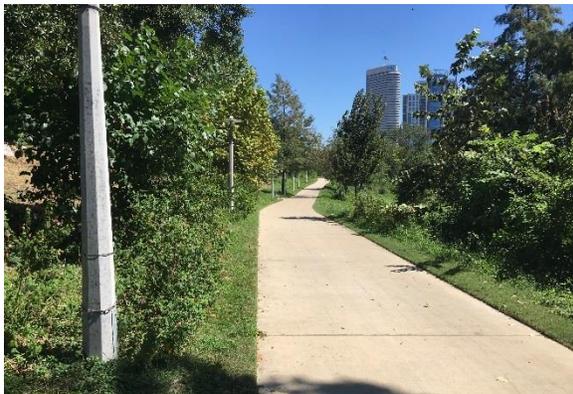


Image 3: Buffalo Bayou Trail near St. Thomas High School Facing East

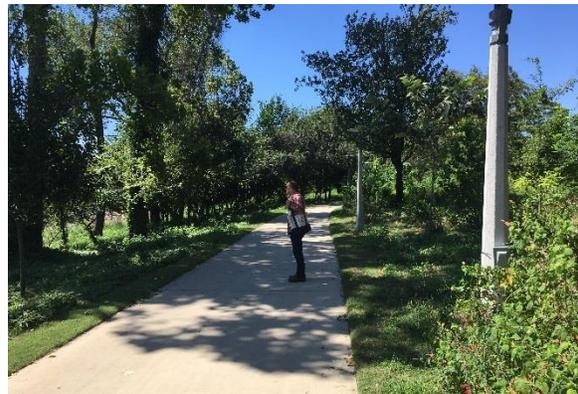


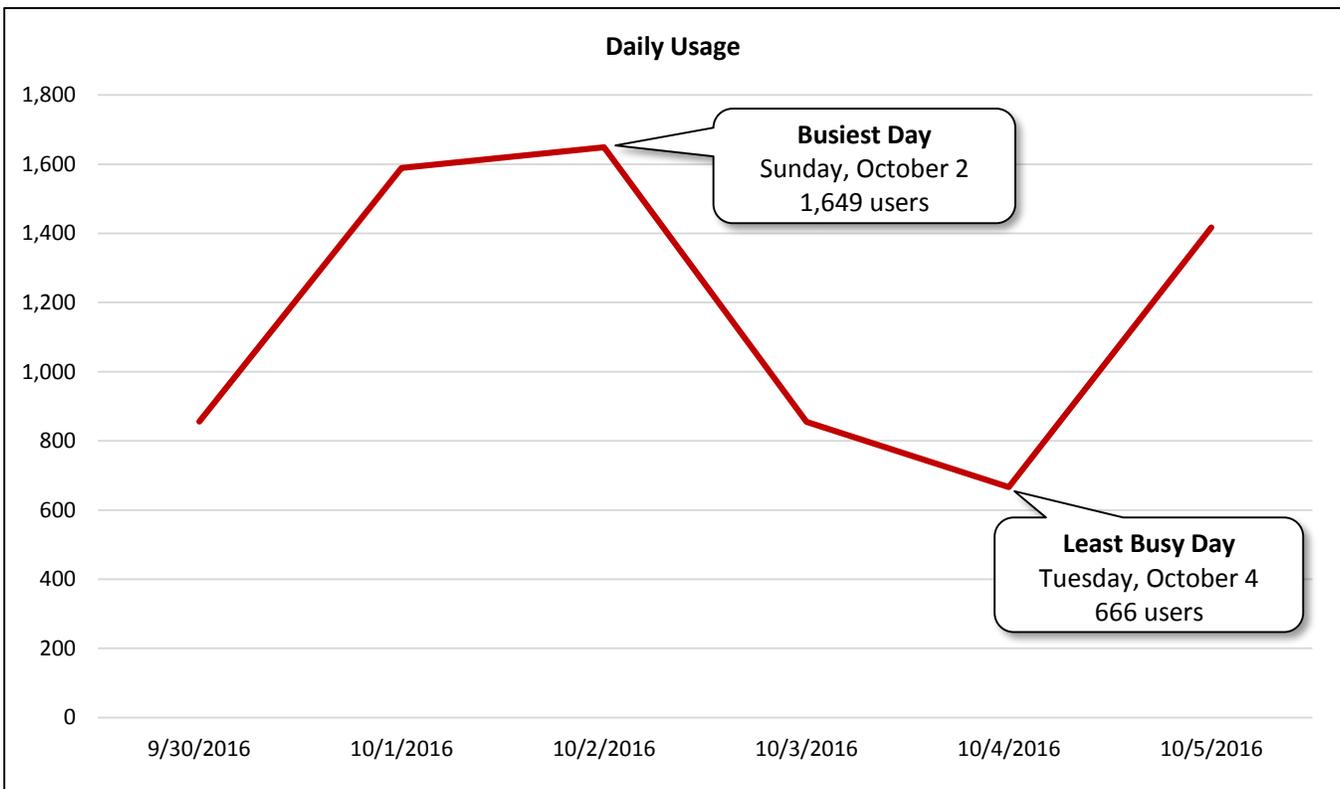
Image 4: Buffalo Bayou Trail near St. Thomas High School Facing West

| Daily Usage Buffalo Bayou North Bank: St. Thomas High School | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 856 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 1,589 | 82 | 60 | T |
| Sunday, October 2, 2016 | 1,649 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 855 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 666 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 1,417 | 91 | 73 | T |

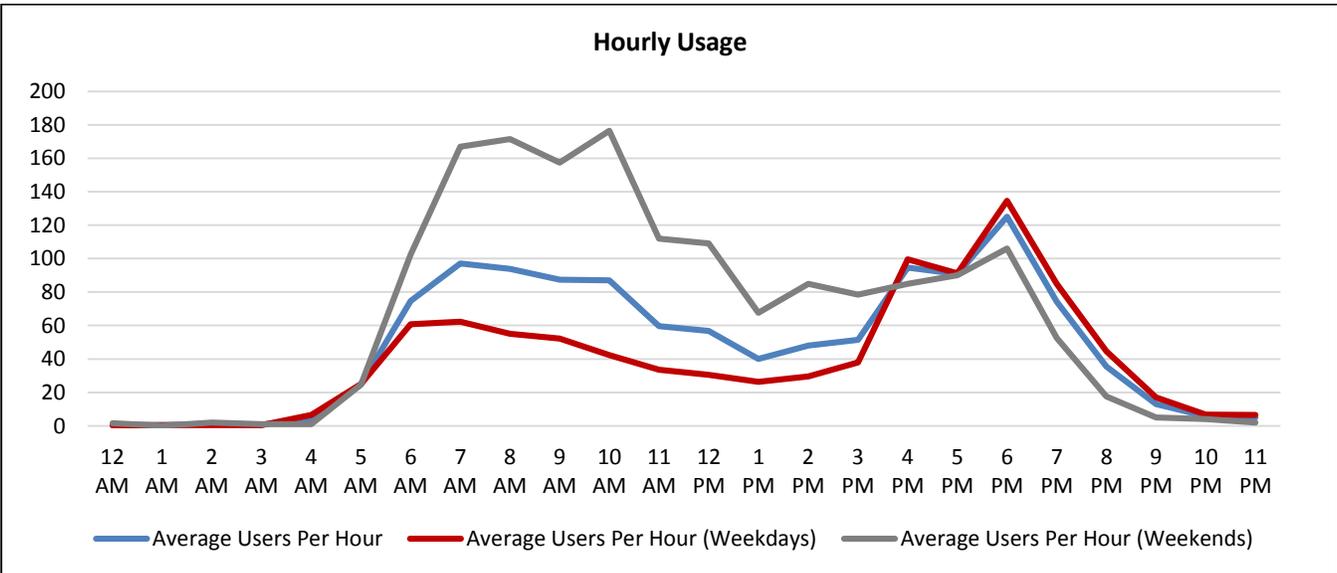
| | |
|--------------------------------------|-------|
| Total | 7,032 |
| Average Daily Usage | 1,172 |
| Average Daily Usage (Weekday) | 949 |
| Average Daily Usage (Weekend) | 1,619 |

| Notes |
|--|
| Counter H2 stopped collecting data prior to the end of the deployment period (around 12:00 a.m. on Thursday, October 6, 2016). |

*Weather conditions recorded at KHOU.



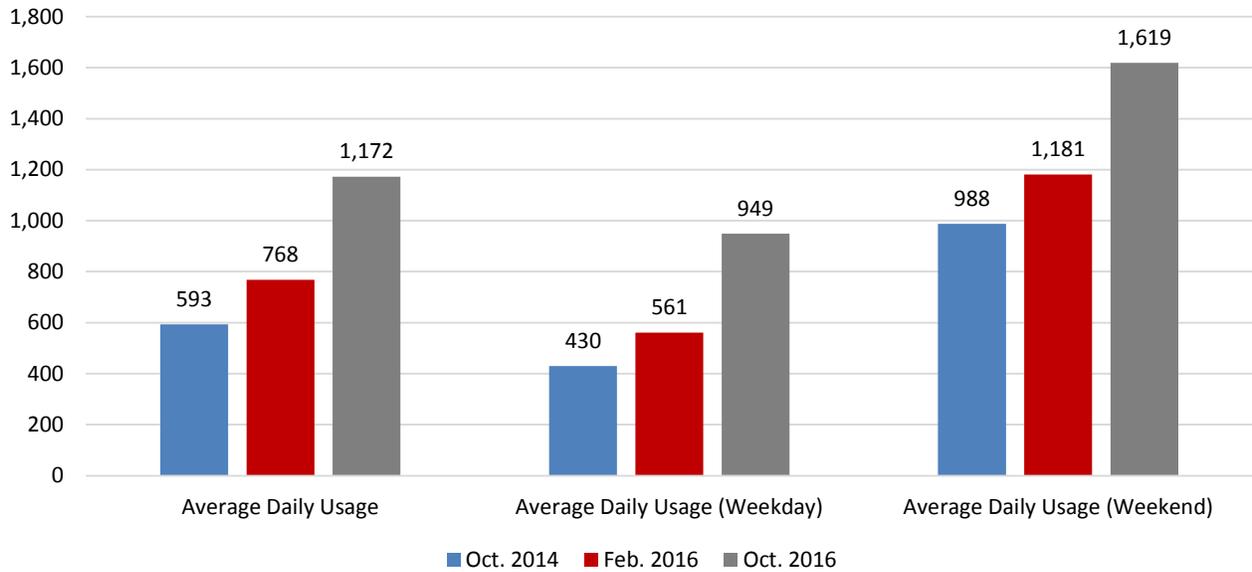
| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Buffalo Bayou North Bank: St. Thomas High School | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 0.7 | 0.3 | 1.5 |
| 1:00 a.m. | 0.3 | 0.5 | 0.0 |
| 2:00 a.m. | 1.0 | 0.5 | 2.0 |
| 3:00 a.m. | 0.7 | 0.5 | 1.0 |
| 4:00 a.m. | 4.7 | 6.5 | 1.0 |
| 5:00 a.m. | 24.8 | 25.0 | 24.5 |
| 6:00 a.m. | 74.7 | 60.8 | 102.5 |
| 7:00 a.m. | 97.2 | 62.3 | 167.0 |
| 8:00 a.m. | 93.8 | 55.0 | 171.5 |
| 9:00 a.m. | 87.3 | 52.3 | 157.5 |
| 10:00 a.m. | 87.0 | 42.3 | 176.5 |
| 11:00 a.m. | 59.7 | 33.5 | 112.0 |
| 12:00 p.m. | 56.7 | 30.5 | 109.0 |
| 1:00 p.m. | 40.0 | 26.3 | 67.5 |
| 2:00 p.m. | 48.0 | 29.5 | 85.0 |
| 3:00 p.m. | 51.5 | 38.0 | 78.5 |
| 4:00 p.m. | 94.7 | 99.5 | 85.0 |
| 5:00 p.m. | 90.8 | 91.3 | 90.0 |
| 6:00 p.m. | 125.0 | 134.5 | 106.0 |
| 7:00 p.m. | 74.2 | 85.0 | 52.5 |
| 8:00 p.m. | 35.5 | 44.5 | 17.5 |
| 9:00 p.m. | 13.0 | 17.0 | 5.0 |
| 10:00 p.m. | 5.8 | 6.8 | 4.0 |
| 11:00 p.m. | 5.0 | 6.5 | 2.0 |



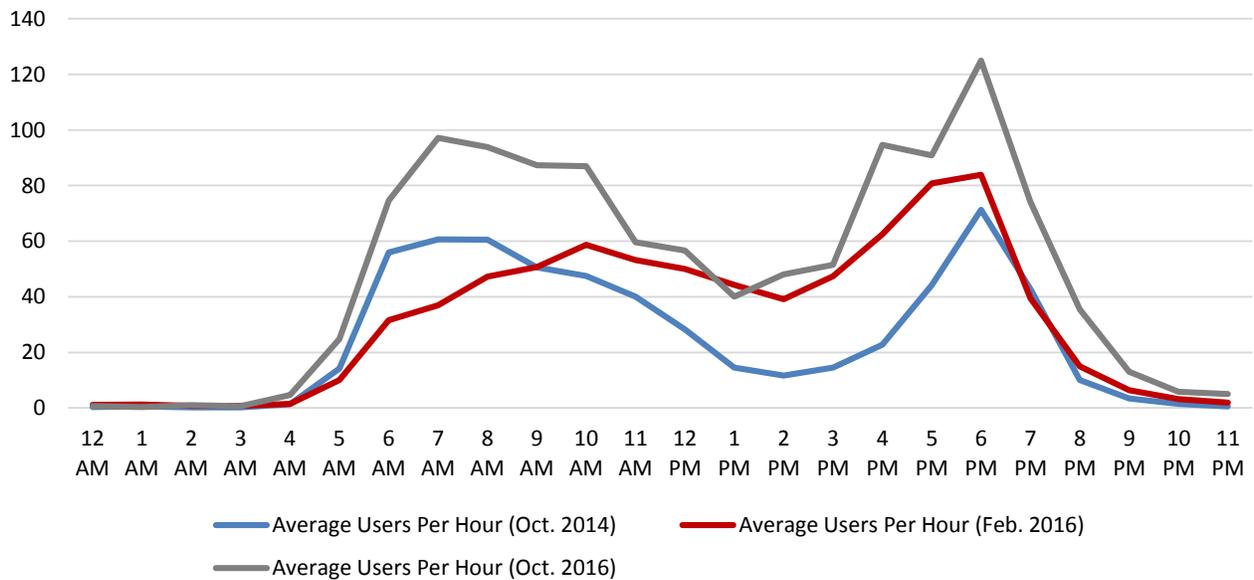
Historical Comparison

Buffalo Bayou North Bank: St. Thomas High School

Comparison: Daily Usage



Comparison: Hourly Usage



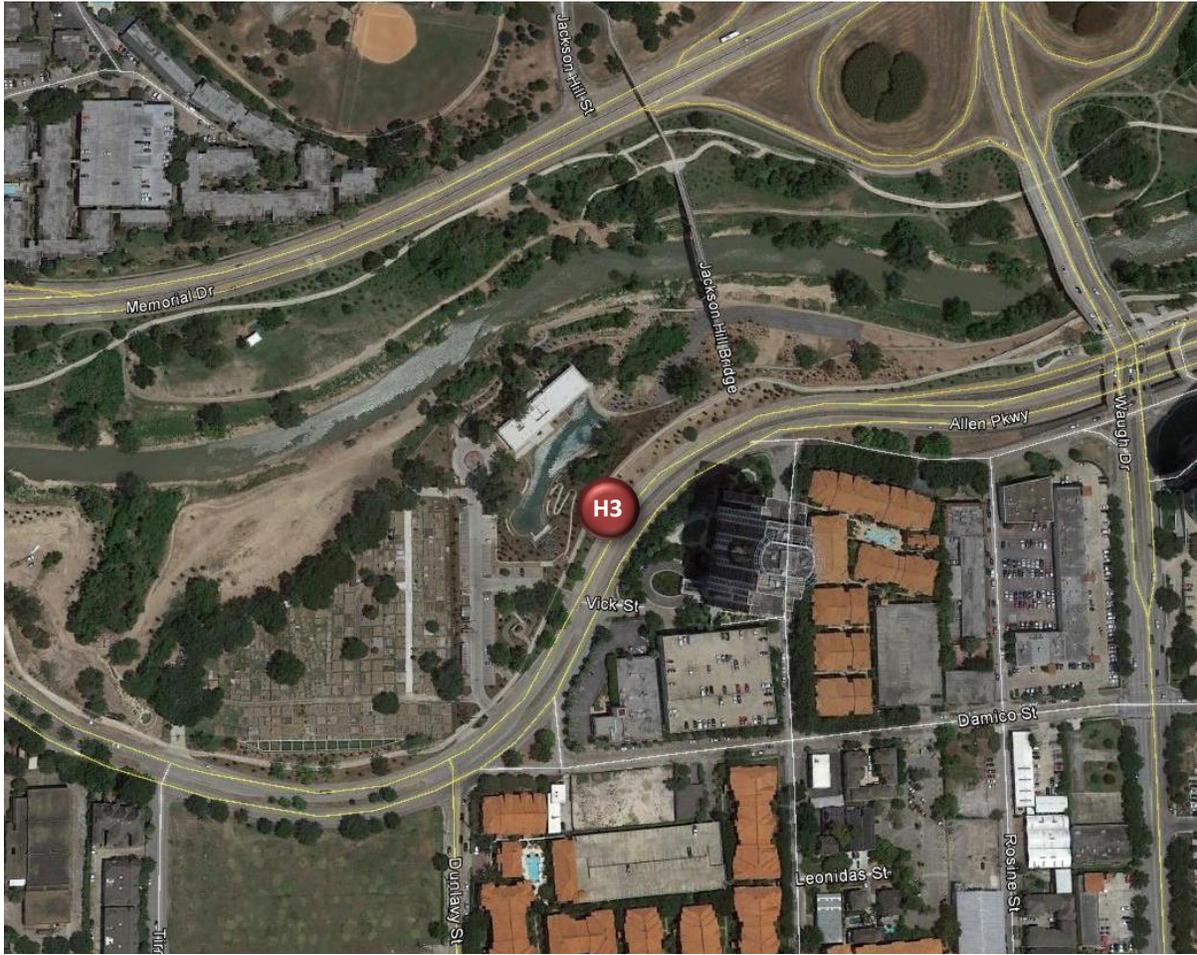
Counter H3

Buffalo Bayou South Bank: Lost Lake

| Location Information | | |
|--|--|--|
| Location Name | Buffalo Bayou South Bank: Lost Lake | |
| Location Description | Shared-Use Path along Buffalo Bayou: South Bank near Lost Lake (Parallel to Allen Parkway) | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'38.07"N, 95°24'5.66"W | |
| Surrounding Land Uses | North | Park, Recreational Facility/Restaurant (The Dunlavy), Multi-Family Residential |
| | South | Multi-Family Residential, Office |
| | East | Multi-Family Residential, Commercial/Retail, Office |
| | West | Park, Cemetery, Multi-Family Residential, Vacant Land |
| What object was device secured to? | Light Post #51 | |
| Sidewalk Width | 10' | |
| Buffer Width | 30' (Varies) | |
| 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 | 25,876 (3601 Allen Parkway: City of Houston – 2013) | |
| Transit | No | |
| Shade | No | |
| Have counts been collected by H-GAC at this location before? | Yes (February 2016) | |
| Notes | Since the previous deployment (February 2016), a traffic signal and pedestrian crossing have been installed just west of Counter H3 at Dunlavy Street and Allen Parkway. | |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 1,180 users/day. • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage is highest in the late morning (10:00 a.m. – 11:00 a.m.). • Average daily usage recorded during the deployment period (1,180 users/day) was 23.8% higher than average daily usage recorded in February 2016 (953 users/day). |

Location Information: Map



Location Information: Photos



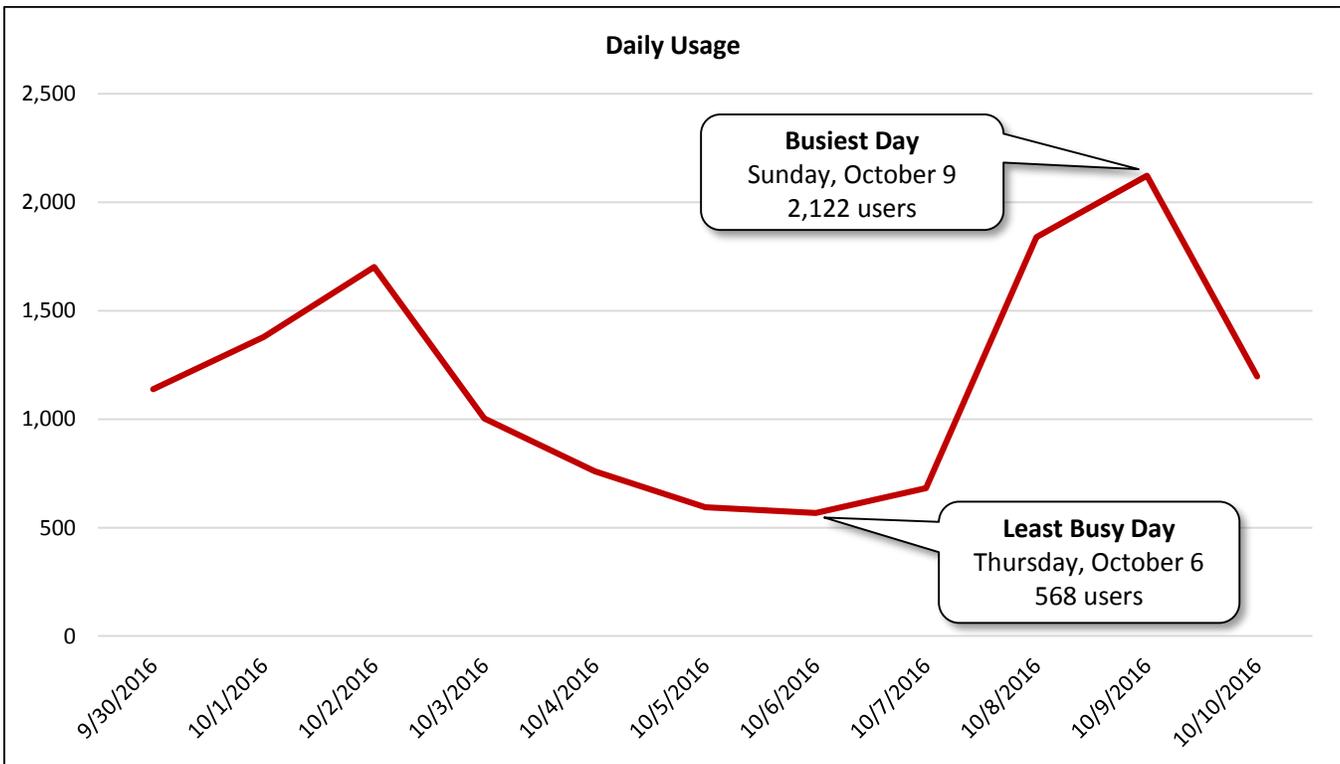
Image 5: Buffalo Bayou Trail near
Lost Lake Facing East



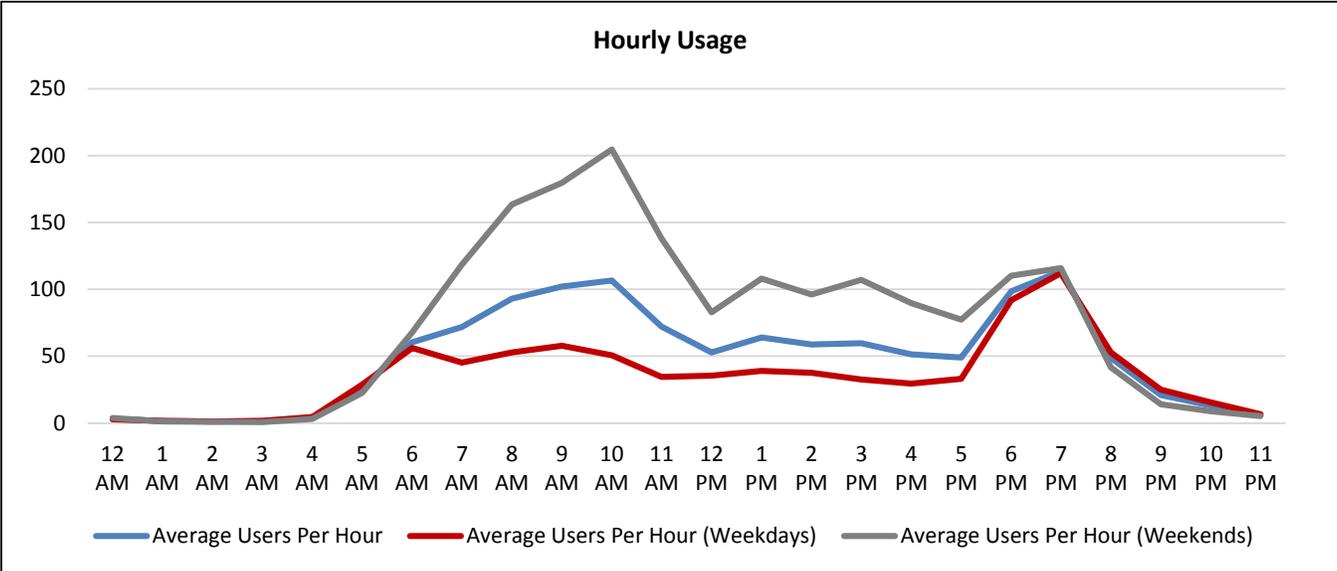
Image 6: Buffalo Bayou Trail near
Lost Lake Facing West

| Daily Usage Buffalo Bayou South Bank: Lost Lake | | | | |
|---|--------|-----------------------|----------------------|------------------------|
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 1,138 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 1,379 | 82 | 60 | T |
| Sunday, October 2, 2016 | 1,702 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 1,003 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 760 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 594 | 91 | 73 | T |
| Thursday, October 6, 2016 | 568 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 682 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 1,839 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 2,122 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 1,197 | 85 | 53 | 0 |
| Total | 12,984 | | | |
| Average Daily Usage | 1,180 | | | |
| Average Daily Usage (Weekday) | 849 | | | |
| Average Daily Usage (Weekend) | 1,761 | | | |

*Weather conditions recorded at KHOU.



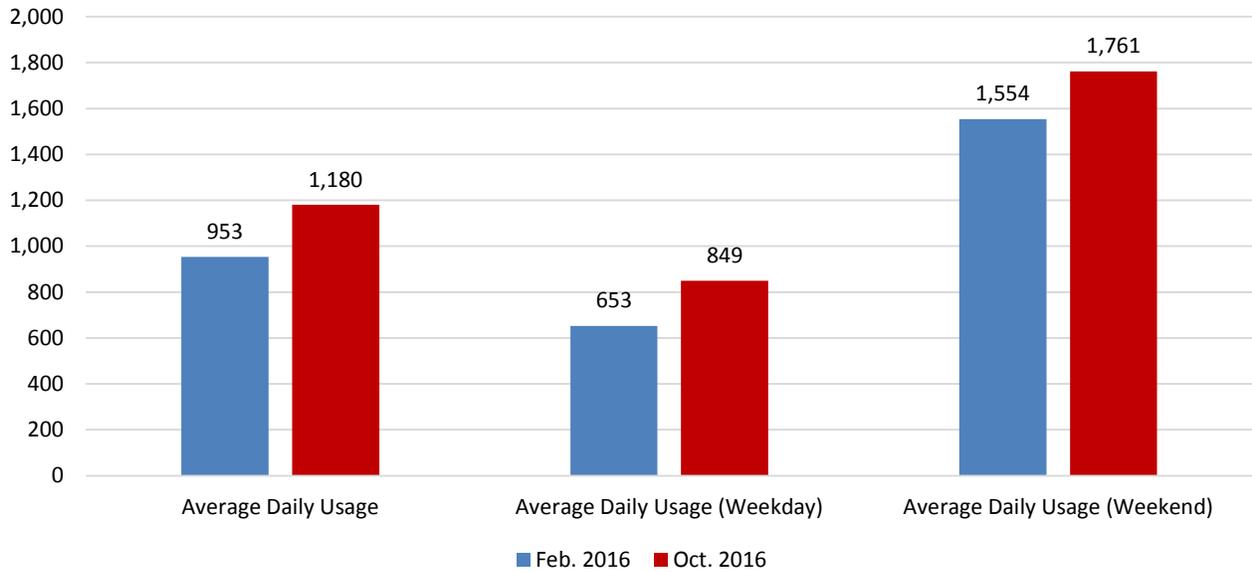
| Hourly Usage | | | |
|-------------------------------------|-------------------------------|--|--|
| Buffalo Bayou South Bank: Lost Lake | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 3.2 | 2.9 | 3.8 |
| 1:00 a.m. | 1.5 | 1.7 | 1.3 |
| 2:00 a.m. | 1.2 | 1.3 | 1.0 |
| 3:00 a.m. | 1.4 | 1.7 | 0.8 |
| 4:00 a.m. | 4.0 | 4.6 | 3.0 |
| 5:00 a.m. | 26.5 | 28.7 | 22.5 |
| 6:00 a.m. | 60.4 | 56.1 | 67.8 |
| 7:00 a.m. | 71.8 | 45.1 | 118.5 |
| 8:00 a.m. | 93.1 | 52.9 | 163.5 |
| 9:00 a.m. | 102.0 | 57.7 | 179.5 |
| 10:00 a.m. | 106.6 | 50.7 | 204.5 |
| 11:00 a.m. | 72.1 | 34.4 | 138.0 |
| 12:00 p.m. | 52.7 | 35.6 | 82.8 |
| 1:00 p.m. | 64.1 | 39.0 | 108.0 |
| 2:00 p.m. | 58.8 | 37.6 | 96.0 |
| 3:00 p.m. | 59.6 | 32.6 | 107.0 |
| 4:00 p.m. | 51.4 | 29.4 | 89.8 |
| 5:00 p.m. | 49.1 | 33.0 | 77.3 |
| 6:00 p.m. | 98.5 | 91.9 | 110.3 |
| 7:00 p.m. | 113.4 | 112.0 | 115.8 |
| 8:00 p.m. | 48.8 | 52.9 | 41.8 |
| 9:00 p.m. | 21.0 | 25.0 | 14.0 |
| 10:00 p.m. | 13.1 | 15.6 | 8.8 |
| 11:00 p.m. | 6.1 | 6.6 | 5.3 |



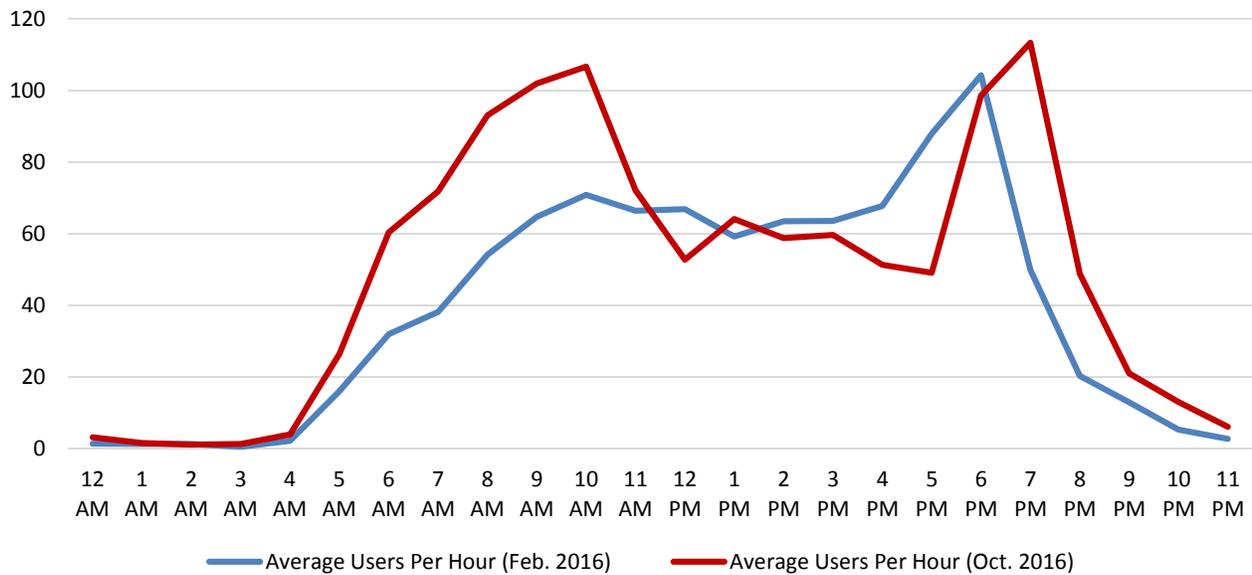
Historical Comparison

Buffalo Bayou South Bank: Lost Lake

Comparison: Daily Usage



Comparison: Hourly Usage



Note: Since the previous deployment (February 2016), a traffic signal and pedestrian crossing have been installed just west of Counter H3 at Dunlavy Street and Allen Parkway.

Counter H4

Buffalo Bayou South Bank: Johnny Steele Dog Park (Pedestrian Path)

| Location Information | | |
|--|---|--|
| Location Name | Buffalo Bayou South Bank: Johnny Steele Dog Park (Pedestrian Path) | |
| Location Description | Pedestrians-Only Pathway along Buffalo Bayou: South Bank near Johnny Steele Dog Park | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'45.10"N, 95°23'42.57"W | |
| Surrounding Land Uses | North | Park, Multi-Family Residential |
| | South | Park, Office, Cemetery |
| | East | Park, Cemetery, Multi-Family Residential |
| | West | Park, Office |
| What object was device secured to? | Railing at Eastern End of Bridge over Buffalo Bayou Tributary | |
| Sidewalk Width | 5' | |
| Buffer Width | N/A (Off-Road Pedestrian Pathway) | |
| Street Width | N/A (Off-Road Pedestrian Pathway) | |
| Parallel Parking | N/A (Off-Road Pedestrian Pathway) | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Asphalt | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | N/A (Off-Road Pedestrian Pathway) | |
| Street Lighting | No | |
| Street Traffic Volume | N/A (Off-Road Pedestrian Pathway) | |
| Transit | No | |
| Shade | No | |
| Have counts been collected by H-GAC at this location before? | Yes (February 2016) | |
| Notes | Counter H4 malfunctioned and did not collect data during the deployment period. | |

| Trends |
|--|
| Counter H4 malfunctioned and did not collect data during the deployment period. |

Location Information: Map

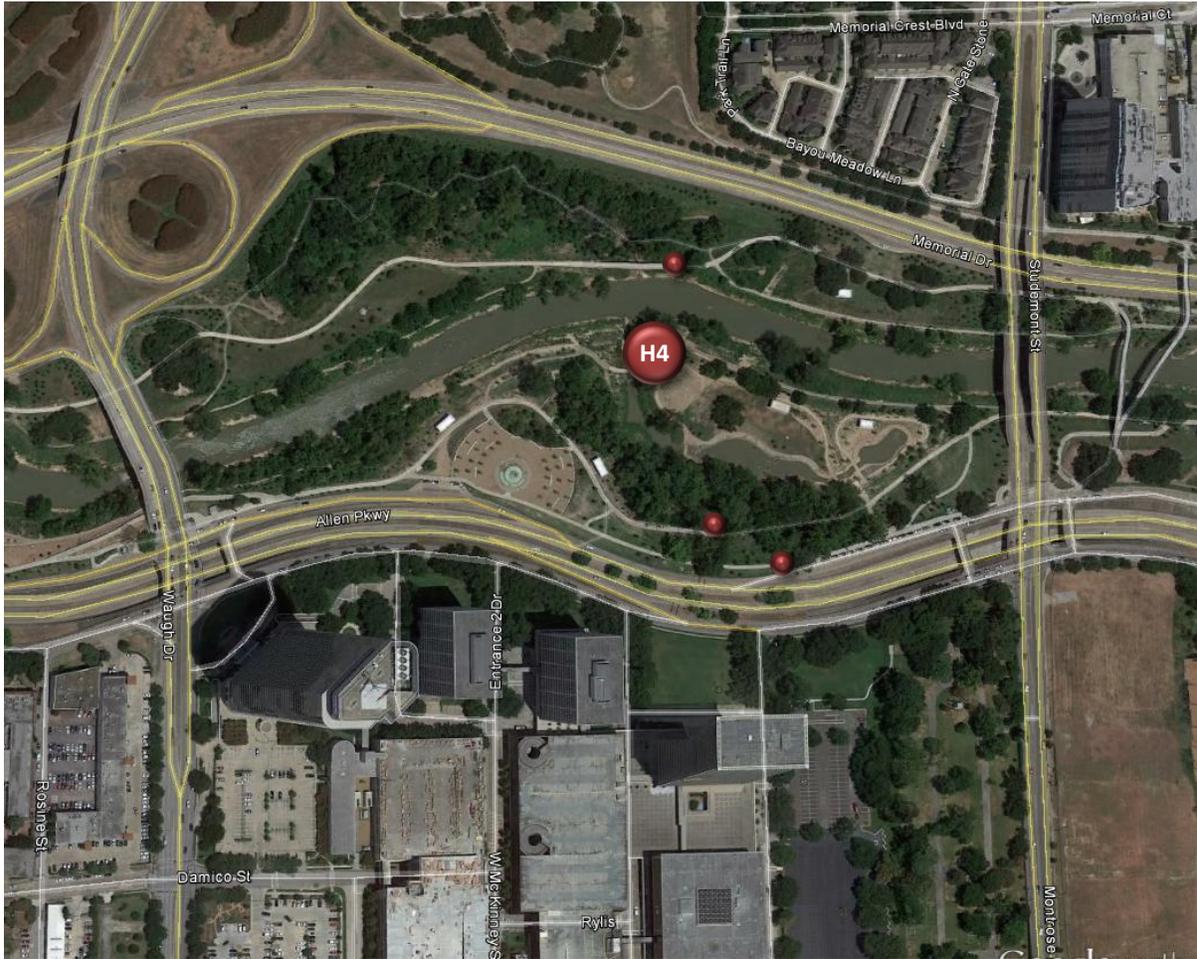


Image 8: Johnny Steele Dog Park

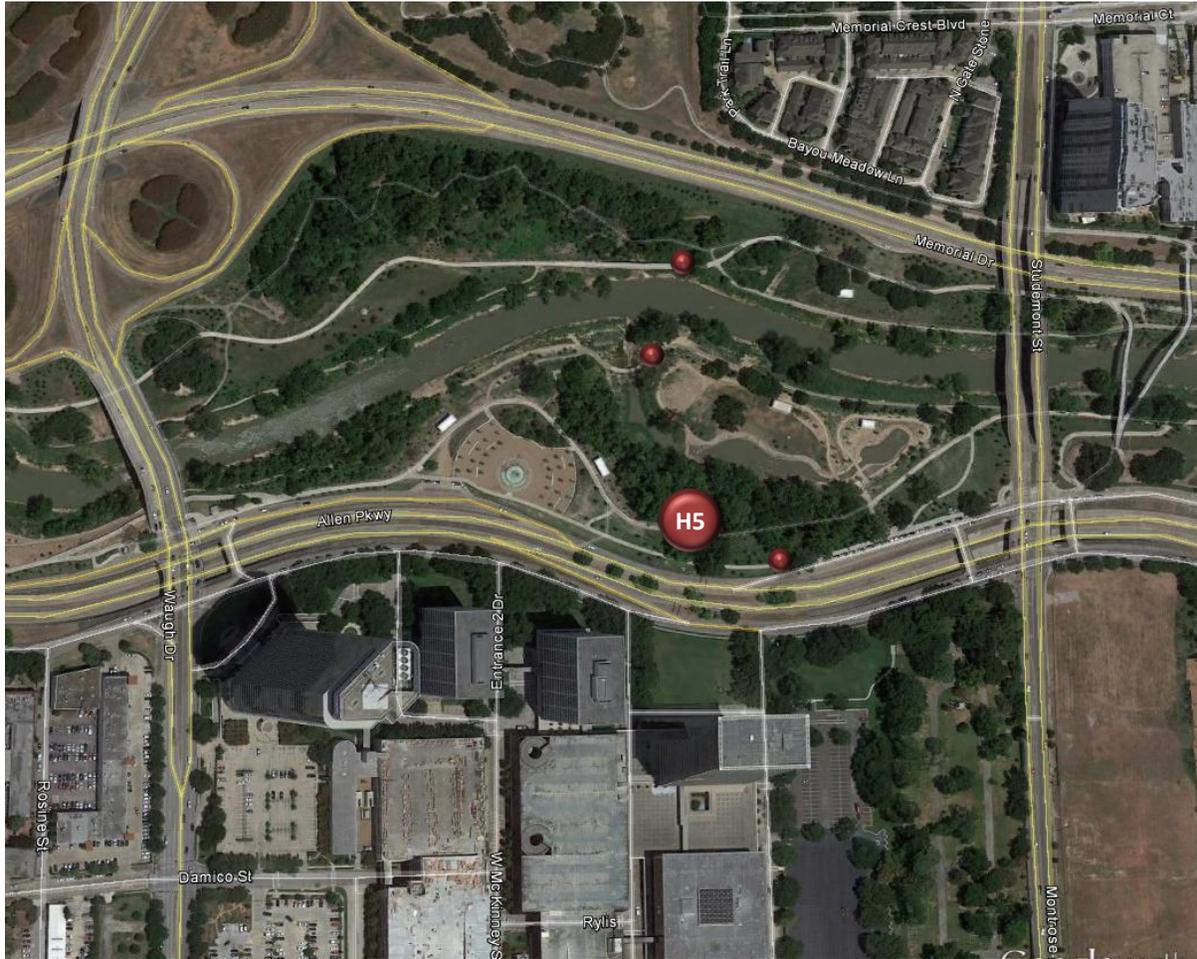
Counter H5

Buffalo Bayou South Bank: Johnny Steele Dog Park (Main Shared-Use Path)

| Location Information | | |
|--|---|--|
| Location Name | Buffalo Bayou South Bank: Johnny Steele Dog Park (Main Shared-Use Path) | |
| Location Description | Shared-Use Path along Buffalo Bayou: South Bank near Johnny Steele Dog Park | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'41.60"N, 95°23'41.35"W | |
| Surrounding Land Uses | North | Park, Multi-Family Residential |
| | South | Park, Office, Cemetery |
| | East | Park, Cemetery, Multi-Family Residential |
| | West | Park, Office |
| What object was device secured to? | Sign Post (Curves Ahead) | |
| 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 | Yes | |
| 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? | Yes (February 2016) | |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 1,121 users/day. • Usage tends to be significantly higher during weekends (1,710 users/day) than on weekdays (784 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage is highest in the late morning (10:00 a.m. – 12:00 p.m.). There is also an increase in usage during the evening hours (6:00 p.m. – 7:00 p.m.). • Average daily usage during the deployment period (1,121 users/day) was 29.1% higher than average daily usage recorded in February 2016 (868 users/day). |

Location Information: Map



Location Information: Photos

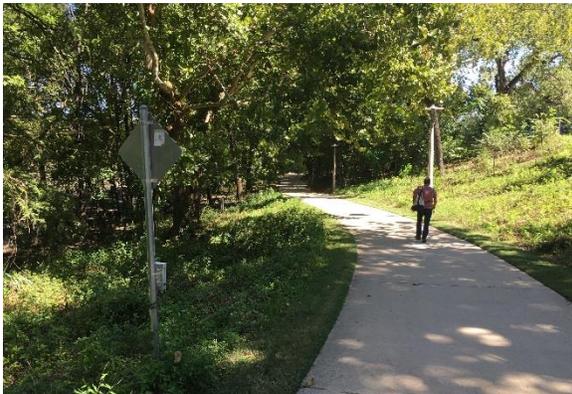


Image 9: Buffalo Bayou Trail near Johnny Steele Dog Park Facing East

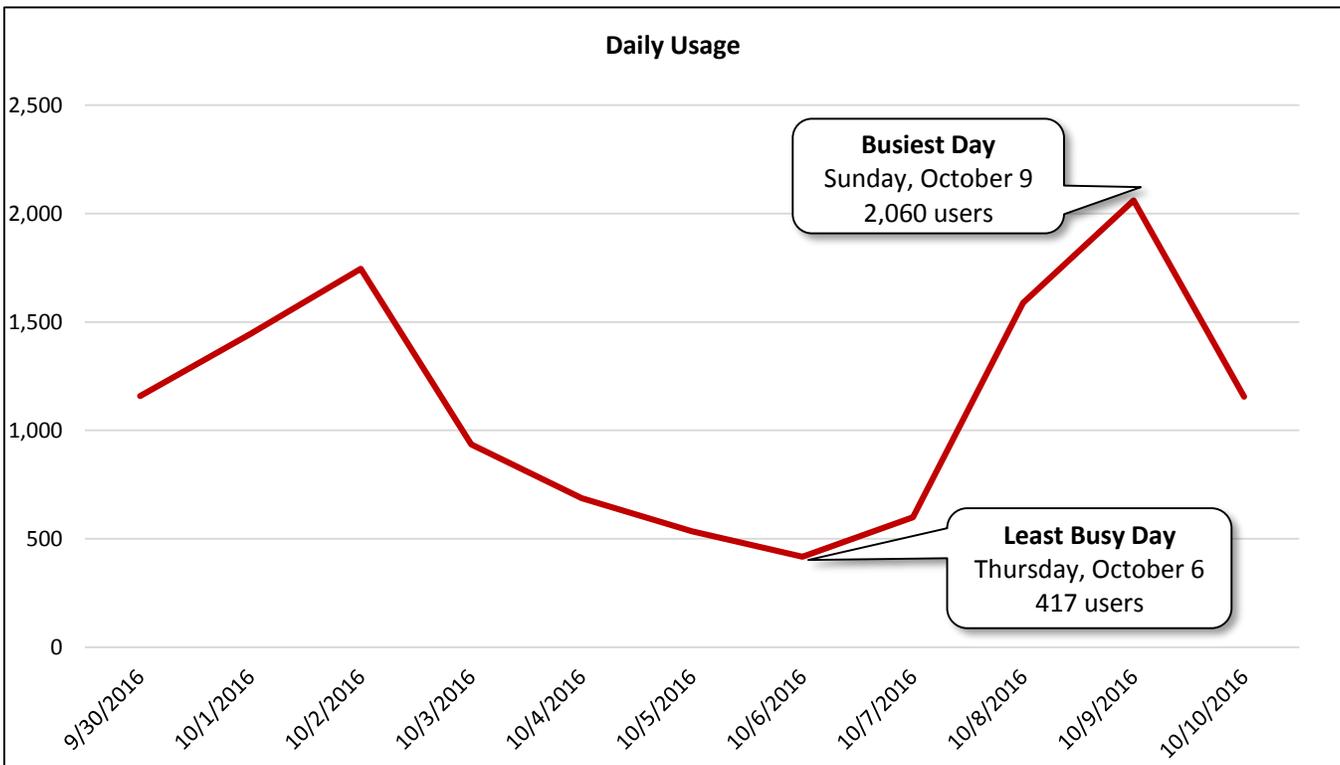


Image 10: Buffalo Bayou Trail near Johnny Steele Dog Park Facing West

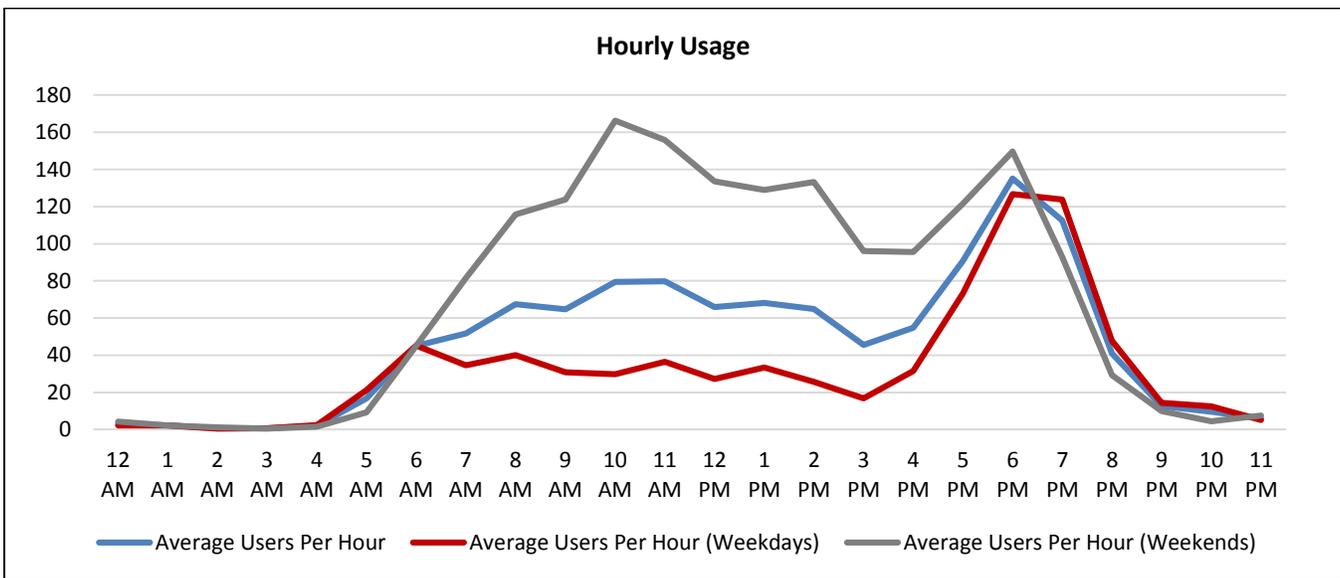
| Daily Usage | | | | |
|---|-------|-----------------------|----------------------|------------------------|
| Buffalo Bayou South Bank: Johnny Steele Dog Park (Main Shared-Use Path) | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 1,158 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 1,445 | 82 | 60 | T |
| Sunday, October 2, 2016 | 1,745 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 936 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 687 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 535 | 91 | 73 | T |
| Thursday, October 6, 2016 | 417 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 600 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 1,588 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 2,060 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 1,156 | 85 | 53 | 0 |

| | |
|--------------------------------------|--------|
| Total | 12,327 |
| Average Daily Usage | 1,121 |
| Average Daily Usage (Weekday) | 784 |
| Average Daily Usage (Weekend) | 1,710 |

*Weather conditions recorded at KHOU.



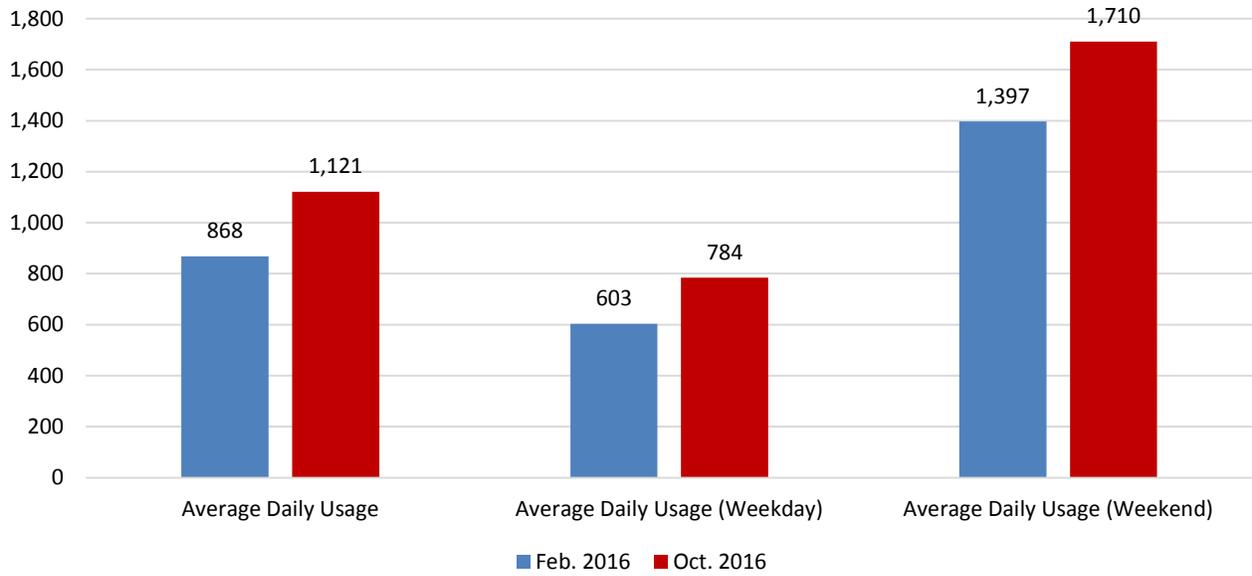
| Hourly Usage | | | |
|---|-------------------------------|--|--|
| Buffalo Bayou South Bank: Johnny Steele Dog Park (Main Shared-Use Path) | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 3.0 | 2.3 | 4.3 |
| 1:00 a.m. | 2.3 | 2.3 | 2.3 |
| 2:00 a.m. | 0.7 | 0.4 | 1.3 |
| 3:00 a.m. | 0.6 | 0.7 | 0.5 |
| 4:00 a.m. | 2.1 | 2.4 | 1.5 |
| 5:00 a.m. | 16.8 | 21.1 | 9.3 |
| 6:00 a.m. | 45.1 | 45.1 | 45.0 |
| 7:00 a.m. | 51.6 | 34.6 | 81.5 |
| 8:00 a.m. | 67.5 | 40.0 | 115.8 |
| 9:00 a.m. | 64.6 | 30.9 | 123.8 |
| 10:00 a.m. | 79.5 | 29.9 | 166.3 |
| 11:00 a.m. | 79.8 | 36.4 | 155.8 |
| 12:00 p.m. | 65.9 | 27.3 | 133.5 |
| 1:00 p.m. | 68.2 | 33.4 | 129.0 |
| 2:00 p.m. | 64.8 | 25.7 | 133.3 |
| 3:00 p.m. | 45.5 | 16.7 | 96.0 |
| 4:00 p.m. | 54.7 | 31.4 | 95.5 |
| 5:00 p.m. | 90.8 | 73.3 | 121.5 |
| 6:00 p.m. | 135.1 | 126.7 | 149.8 |
| 7:00 p.m. | 112.5 | 123.9 | 92.8 |
| 8:00 p.m. | 41.0 | 47.7 | 29.3 |
| 9:00 p.m. | 12.7 | 14.3 | 10.0 |
| 10:00 p.m. | 9.5 | 12.4 | 4.5 |
| 11:00 p.m. | 6.0 | 5.1 | 7.5 |



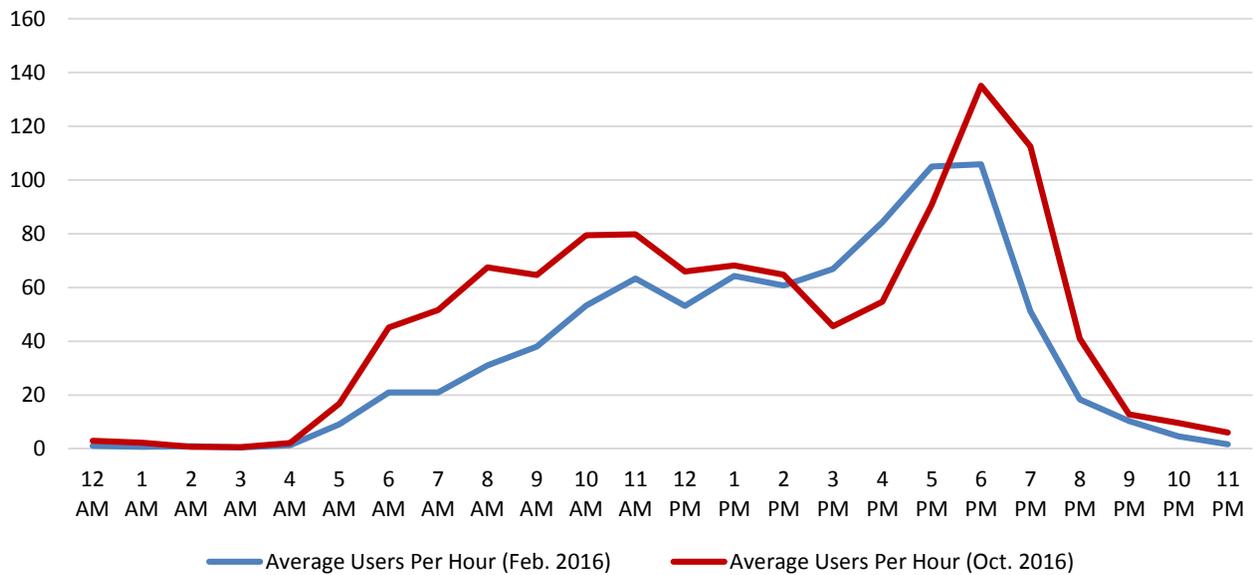
Historical Comparison

Buffalo Bayou South Bank: Johnny Steele Dog Park (Main Shared-Use Path)

Comparison: Daily Usage



Comparison: Hourly Usage



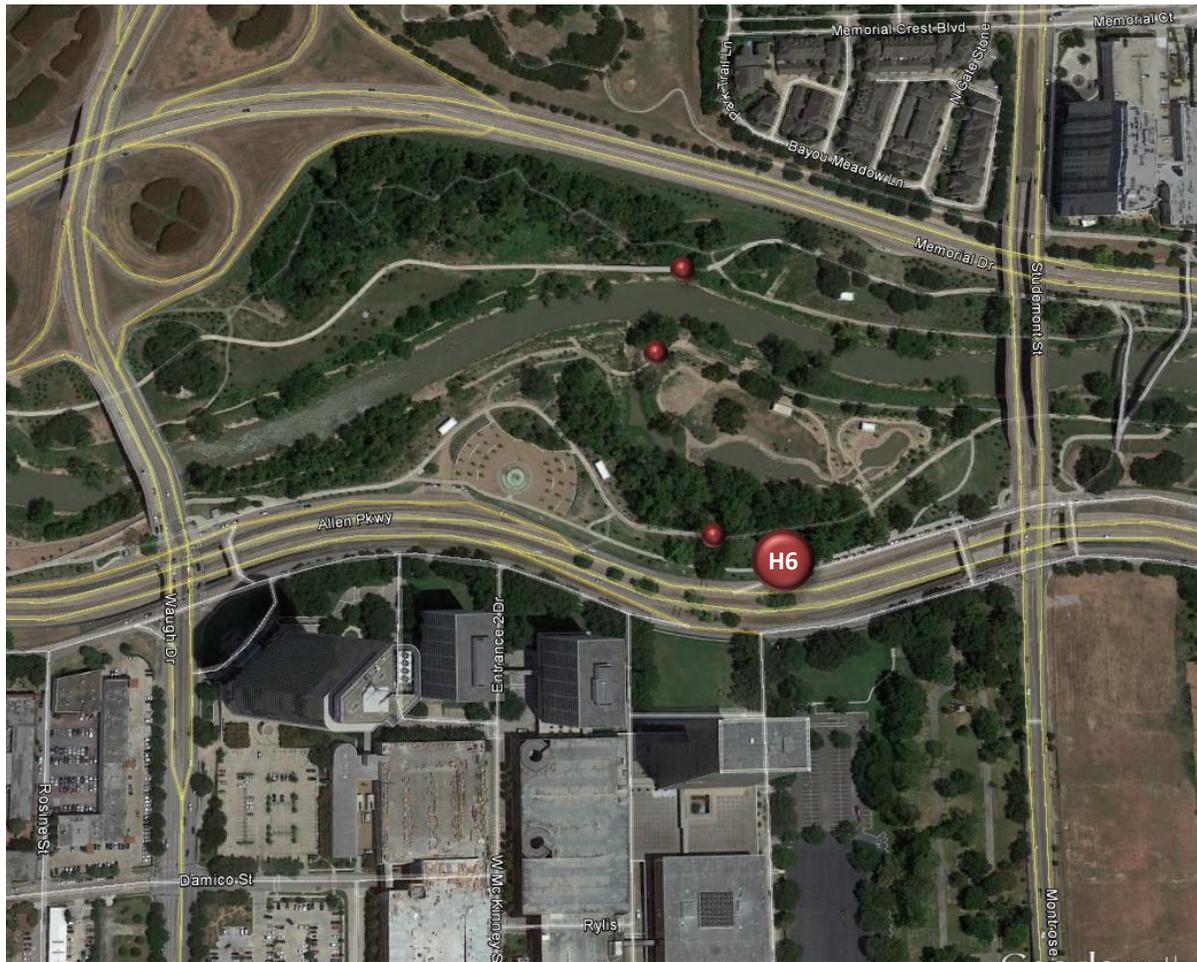
Counter H6

Buffalo Bayou South Bank: Johnny Steele Dog Park (Roadside Shared-Use Path)

| Location Information | |
|--|---|
| Location Name | Buffalo Bayou South Bank: Johnny Steele Dog Park (Roadside Shared-Use Path) |
| Location Description | Shared-Use Path along Buffalo Bayou: South Bank Adjacent to Allen Parkway near Johnny Steele Dog Park |
| Jurisdiction | City of Houston |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute |
| GPS Coordinates | 29°45'40.82"N, 95°23'38.44"W |
| Surrounding Land Uses | North Park, Multi-Family Residential |
| | South Park, Office, Cemetery |
| | East Park, Cemetery, Multi-Family Residential |
| | West Park, Office |
| What object was device secured to? | Sign Post (Parallel Parking) |
| Sidewalk Width | 8' |
| Buffer Width | 10' (Varies) |
| Street Width | Four-Lane Divided Roadway + Westbound Entrance Ramp + Eastbound Frontage Road |
| Parallel Parking | Yes |
| 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 | 25,876 (3601 Allen Parkway: City of Houston – 2013) |
| Transit | No |
| Shade | No |
| Have counts been collected by H-GAC at this location before? | Yes (February 2016) |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 676 users/day. • Usage tends to be significantly higher during weekends (1,082 users/day) than on weekdays (444 users/day). • On weekdays, usage is highest in the evening (7:00 p.m. – 8:00 p.m.). • During weekends, usage peaks in the late morning (10:00 a.m. – 11:00 a.m.) and remains relatively steady during the afternoon and evening hours. • Average daily usage recorded during the deployment period (676 users/day) was 19.4% higher than average daily usage recorded in February 2016 (566 users/day). |

Location Information: Map



Location Information: Photos



Image 11: Shared-Use Path Adjacent to Allen Parkway Facing East

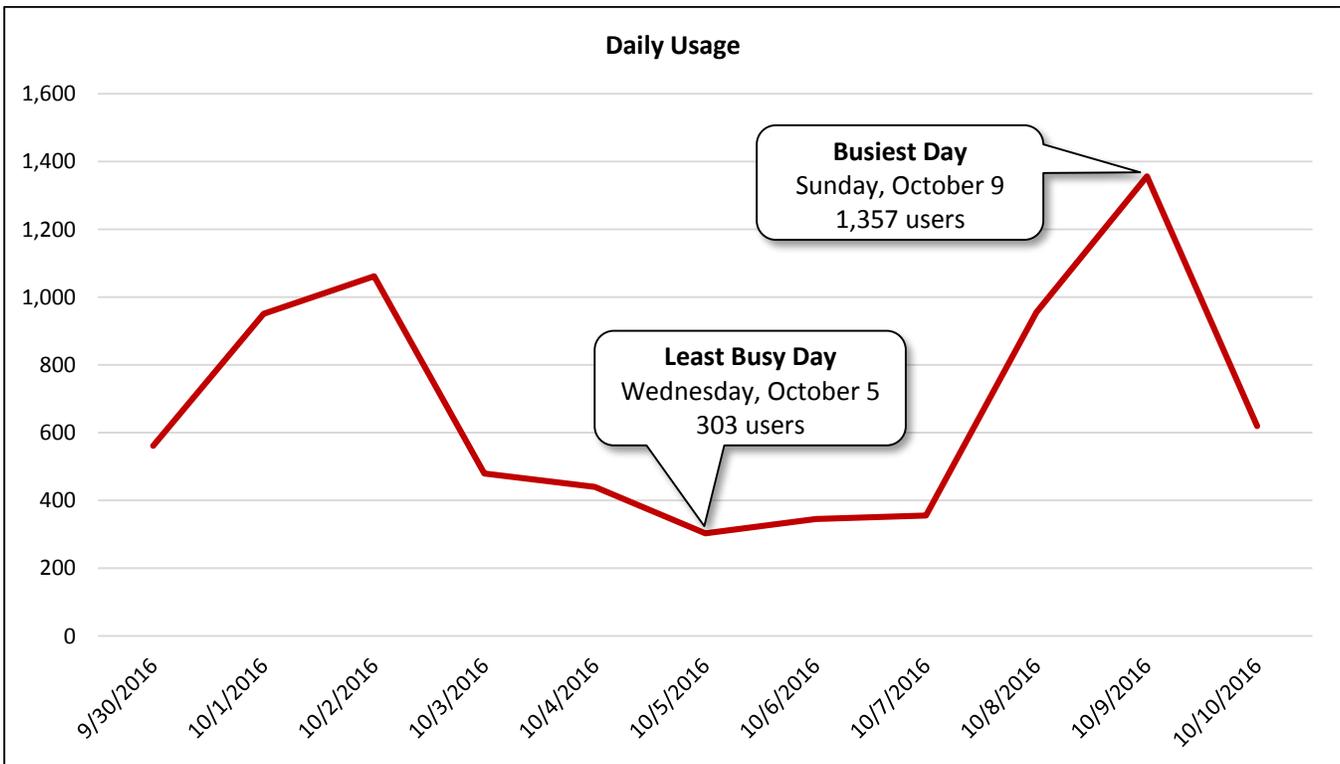


Image 12: Shared-Use Path Adjacent to Allen Parkway Facing West

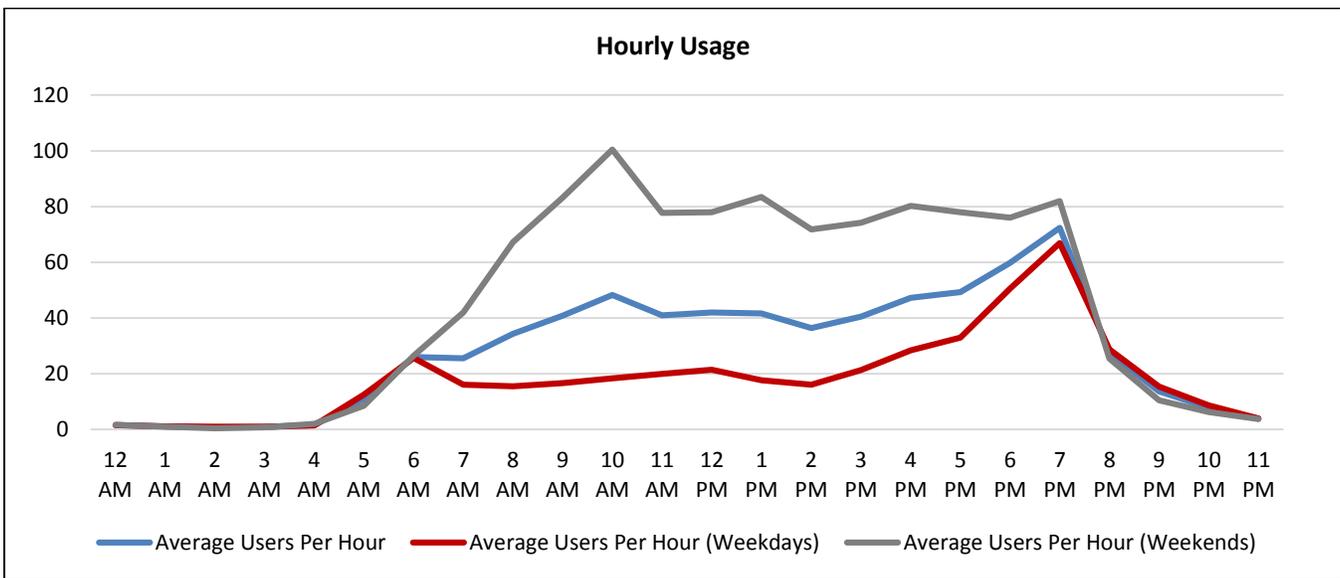
| Daily Usage | | | | |
|---|-------|-----------------------|----------------------|------------------------|
| Buffalo Bayou South Bank: Johnny Steele Dog Park (Roadside Shared-Use Path) | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 561 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 951 | 82 | 60 | T |
| Sunday, October 2, 2016 | 1,062 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 480 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 440 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 303 | 91 | 73 | T |
| Thursday, October 6, 2016 | 345 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 356 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 956 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 1,357 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 620 | 85 | 53 | 0 |

| | |
|--------------------------------------|-------|
| Total | 7,431 |
| Average Daily Usage | 676 |
| Average Daily Usage (Weekday) | 444 |
| Average Daily Usage (Weekend) | 1,082 |

*Weather conditions recorded at KHOU.



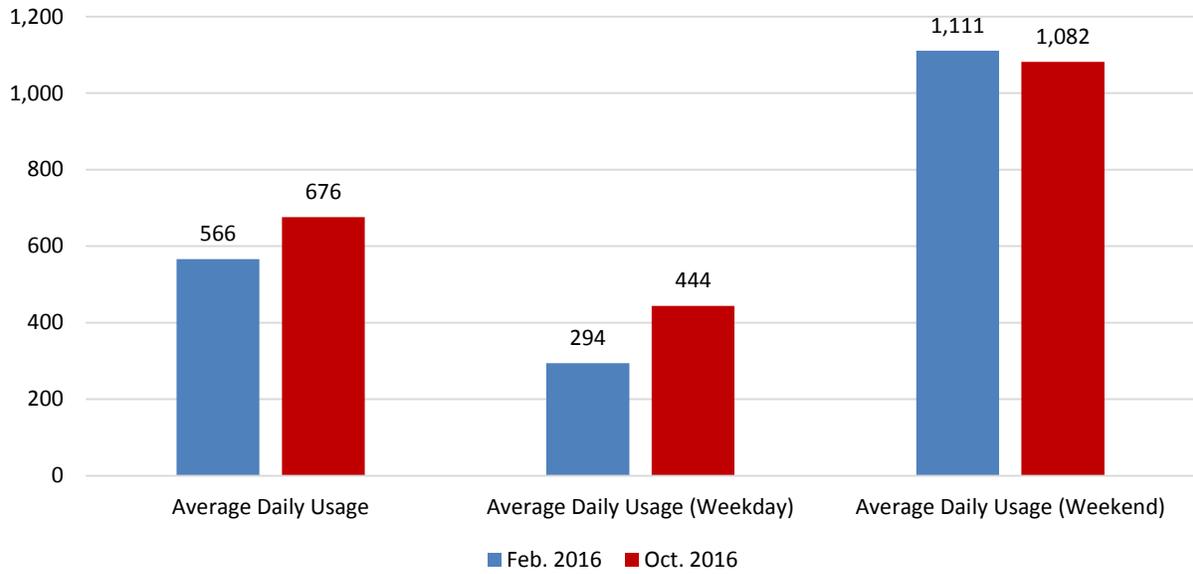
| Hourly Usage | | | |
|---|-------------------------------|--|--|
| Buffalo Bayou South Bank: Johnny Steele Dog Park (Roadside Shared-Use Path) | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 1.6 | 1.6 | 1.8 |
| 1:00 a.m. | 1.1 | 1.1 | 1.0 |
| 2:00 a.m. | 0.8 | 1.0 | 0.5 |
| 3:00 a.m. | 0.9 | 1.0 | 0.8 |
| 4:00 a.m. | 1.6 | 1.4 | 2.0 |
| 5:00 a.m. | 11.1 | 12.6 | 8.5 |
| 6:00 a.m. | 26.0 | 25.7 | 26.5 |
| 7:00 a.m. | 25.5 | 16.1 | 42.0 |
| 8:00 a.m. | 34.4 | 15.6 | 67.3 |
| 9:00 a.m. | 40.9 | 16.7 | 83.3 |
| 10:00 a.m. | 48.3 | 18.4 | 100.5 |
| 11:00 a.m. | 41.0 | 20.0 | 77.8 |
| 12:00 p.m. | 42.0 | 21.4 | 78.0 |
| 1:00 p.m. | 41.6 | 17.7 | 83.5 |
| 2:00 p.m. | 36.4 | 16.1 | 71.8 |
| 3:00 p.m. | 40.5 | 21.3 | 74.3 |
| 4:00 p.m. | 47.3 | 28.4 | 80.3 |
| 5:00 p.m. | 49.4 | 33.0 | 78.0 |
| 6:00 p.m. | 59.8 | 50.6 | 76.0 |
| 7:00 p.m. | 72.4 | 66.9 | 82.0 |
| 8:00 p.m. | 27.5 | 28.7 | 25.5 |
| 9:00 p.m. | 13.6 | 15.4 | 10.5 |
| 10:00 p.m. | 7.8 | 8.7 | 6.3 |
| 11:00 p.m. | 3.9 | 4.0 | 3.8 |



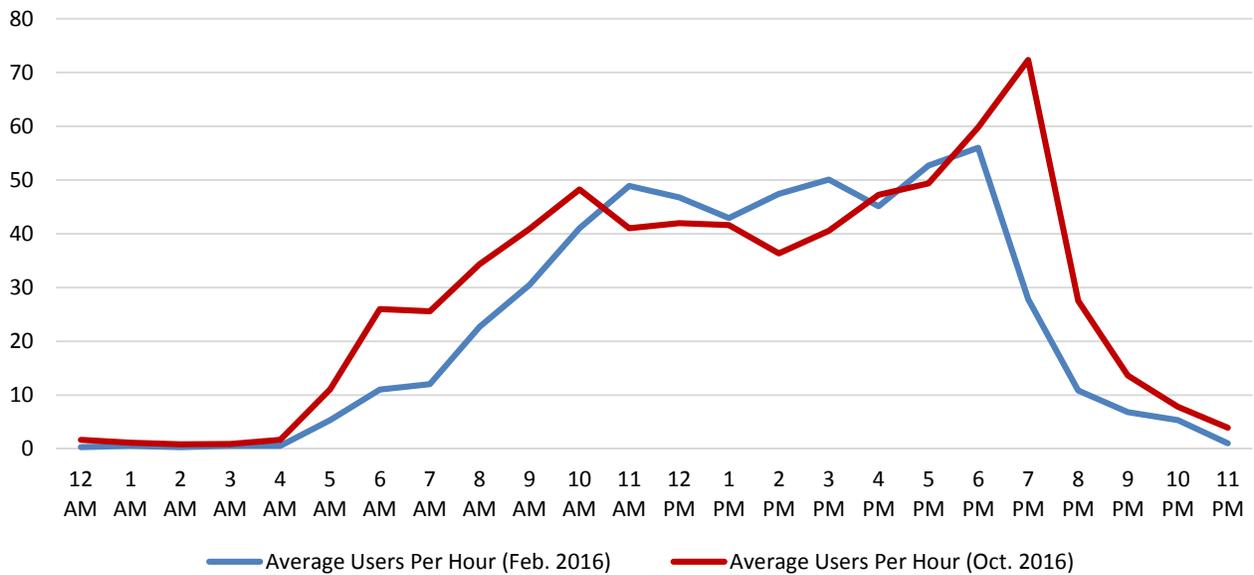
Historical Comparison

Buffalo Bayou South Bank: Johnny Steele Dog Park (Roadside Shared-Use Path)

Comparison: Daily Usage



Comparison: Hourly Usage



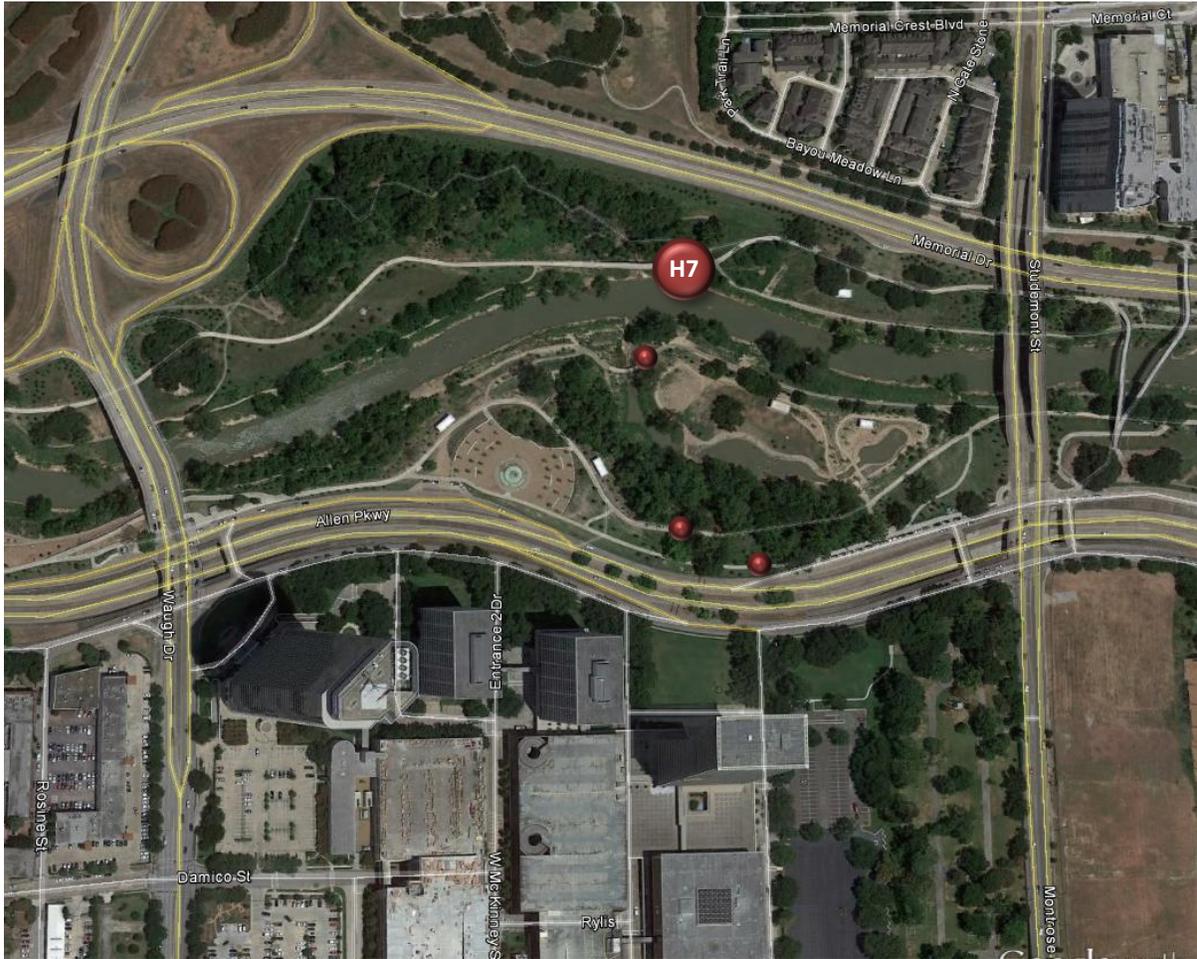
Counter H7

Buffalo Bayou North Bank: Green Tree Nature Area

| Location Information | | |
|--|---|--|
| Location Name | Buffalo Bayou North Bank: Green Tree Nature Area | |
| Location Description | Shared-Use Path along Buffalo Bayou: North Bank near Green Tree Nature Area (East of Waugh Drive) | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'47.50"N, 95°23'42.40"W | |
| Surrounding Land Uses | North | Park, Multi-Family Residential |
| | South | Park, Office, Cemetery |
| | East | Park, Cemetery, Multi-Family Residential |
| | West | Park, Office |
| What object was device secured to? | Light Post #14 (East End of Bridge across Buffalo Bayou Tributary) | |
| Sidewalk Width | 14' | |
| 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 | Yes | |
| 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? | Yes (February 2016) | |
| Notes | Since the pedestrian/bicycle counter at this location reached maximum capacity during a previous deployment, data was retrieved on October 6, 2016 and Counter H7 was immediately redeployed. | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 1,529 users/day. • Usage tends to be significantly higher during weekends (2,354 users/day) than on weekdays (1,057 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 7:00 p.m.). • During weekends, usage is highest in the morning (9:00 a.m. – 11:00 a.m.). • Average daily usage recorded during the deployment period (1,529 users/day) was 9.0% higher than average daily usage recorded in February 2016 (1,403 users/day). |

Location Information: Map



Location Information: Photos



Image 13: Buffalo Bayou Trail near Green Tree Nature Area Facing East

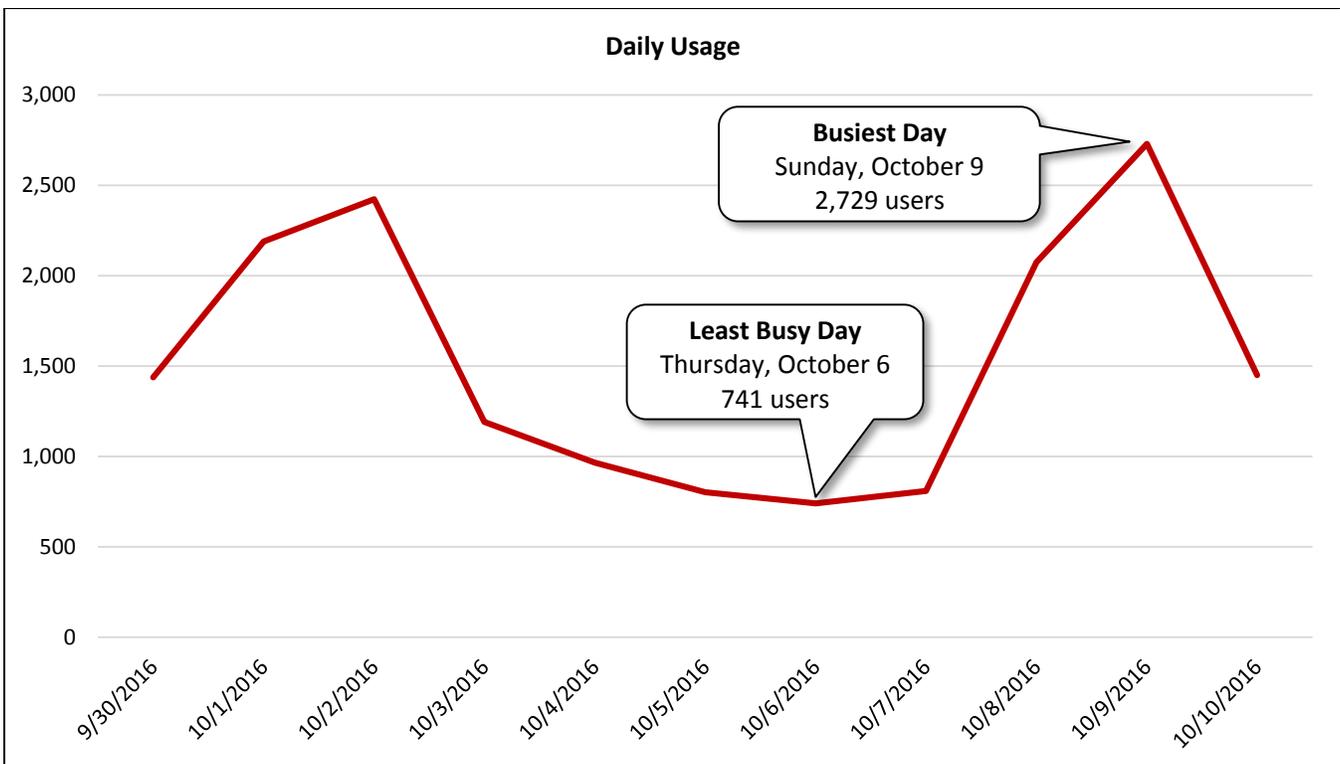


Image 14: Buffalo Bayou Trail near Green Tree Nature Area Facing West

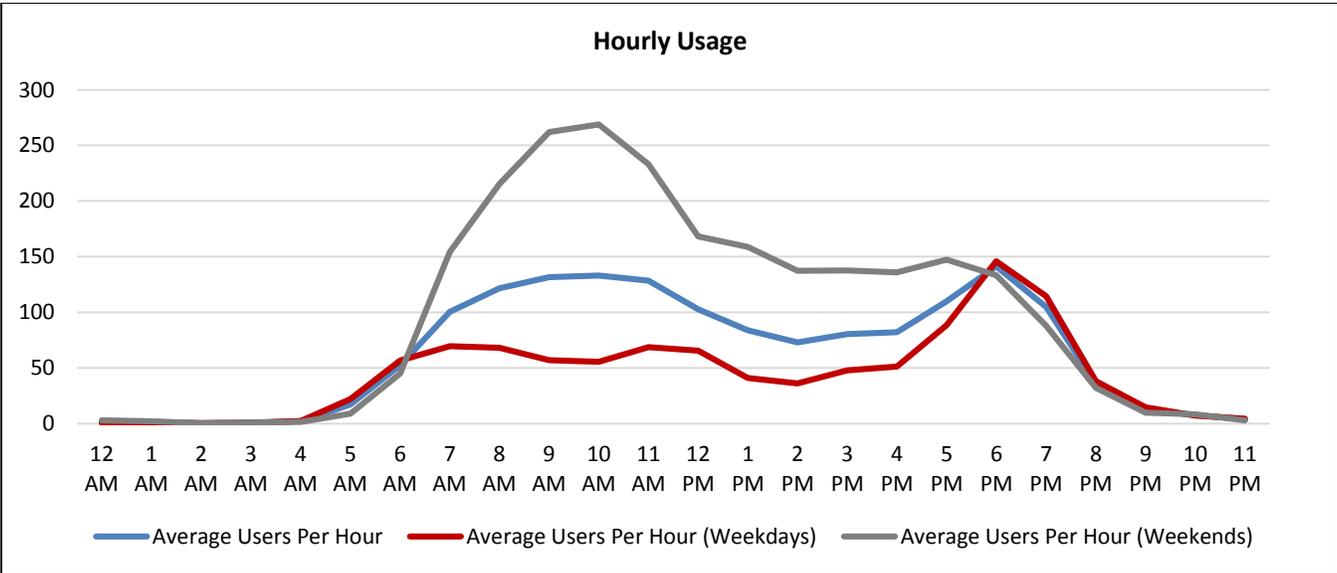
| Daily Usage | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Buffalo Bayou North Bank: Green Tree Nature Area | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 1,437 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 2,189 | 82 | 60 | T |
| Sunday, October 2, 2016 | 2,424 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 1,192 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 966 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 802 | 91 | 73 | T |
| Thursday, October 6, 2016 | 741 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 809 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 2,075 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 2,729 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 1,450 | 85 | 53 | 0 |

| | |
|--------------------------------------|--------|
| Total | 16,814 |
| Average Daily Usage | 1,529 |
| Average Daily Usage (Weekday) | 1,057 |
| Average Daily Usage (Weekend) | 2,354 |

*Weather conditions recorded at KHOU.



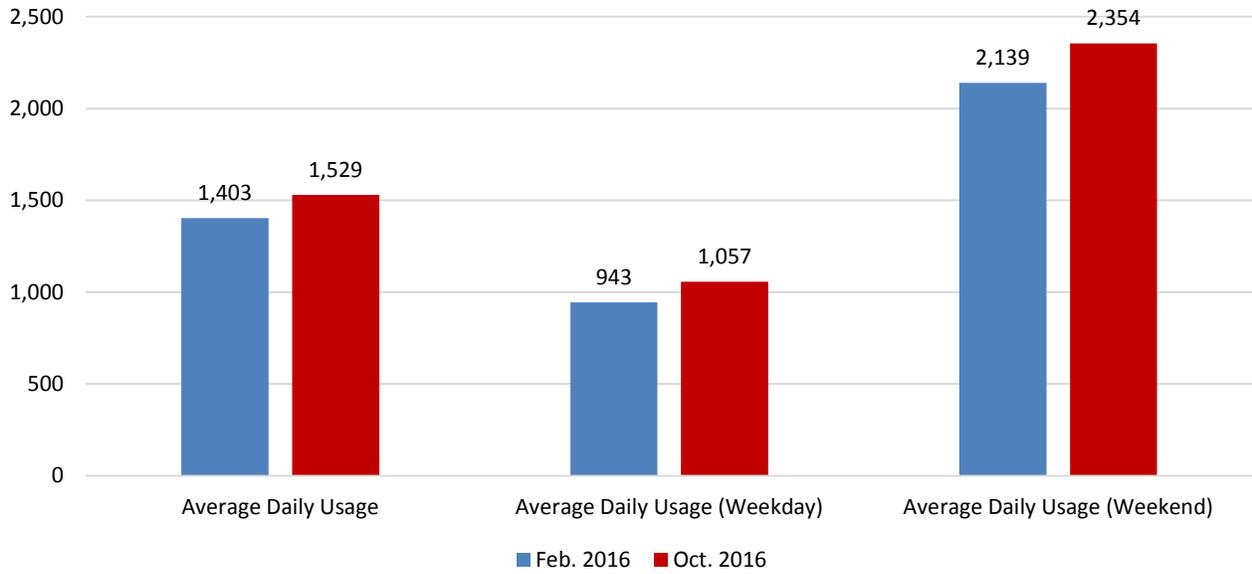
| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Buffalo Bayou North Bank: Green Tree Nature Area | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 1.5 | 0.7 | 3.0 |
| 1:00 a.m. | 1.5 | 1.3 | 2.0 |
| 2:00 a.m. | 0.3 | 0.3 | 0.3 |
| 3:00 a.m. | 0.7 | 0.6 | 1.0 |
| 4:00 a.m. | 2.1 | 2.4 | 1.5 |
| 5:00 a.m. | 17.3 | 22.0 | 9.0 |
| 6:00 a.m. | 52.4 | 56.6 | 45.0 |
| 7:00 a.m. | 100.3 | 69.4 | 154.3 |
| 8:00 a.m. | 121.6 | 68.0 | 215.5 |
| 9:00 a.m. | 131.5 | 57.0 | 262.0 |
| 10:00 a.m. | 133.0 | 55.4 | 268.8 |
| 11:00 a.m. | 128.4 | 68.6 | 233.0 |
| 12:00 p.m. | 102.8 | 65.4 | 168.3 |
| 1:00 p.m. | 83.8 | 41.0 | 158.8 |
| 2:00 p.m. | 72.8 | 36.0 | 137.3 |
| 3:00 p.m. | 80.5 | 47.9 | 137.5 |
| 4:00 p.m. | 82.1 | 51.3 | 136.0 |
| 5:00 p.m. | 109.8 | 88.4 | 147.3 |
| 6:00 p.m. | 141.4 | 146.0 | 133.3 |
| 7:00 p.m. | 104.6 | 114.3 | 87.8 |
| 8:00 p.m. | 35.8 | 38.0 | 32.0 |
| 9:00 p.m. | 12.8 | 14.6 | 9.8 |
| 10:00 p.m. | 7.5 | 7.1 | 8.3 |
| 11:00 p.m. | 3.9 | 4.4 | 3.0 |



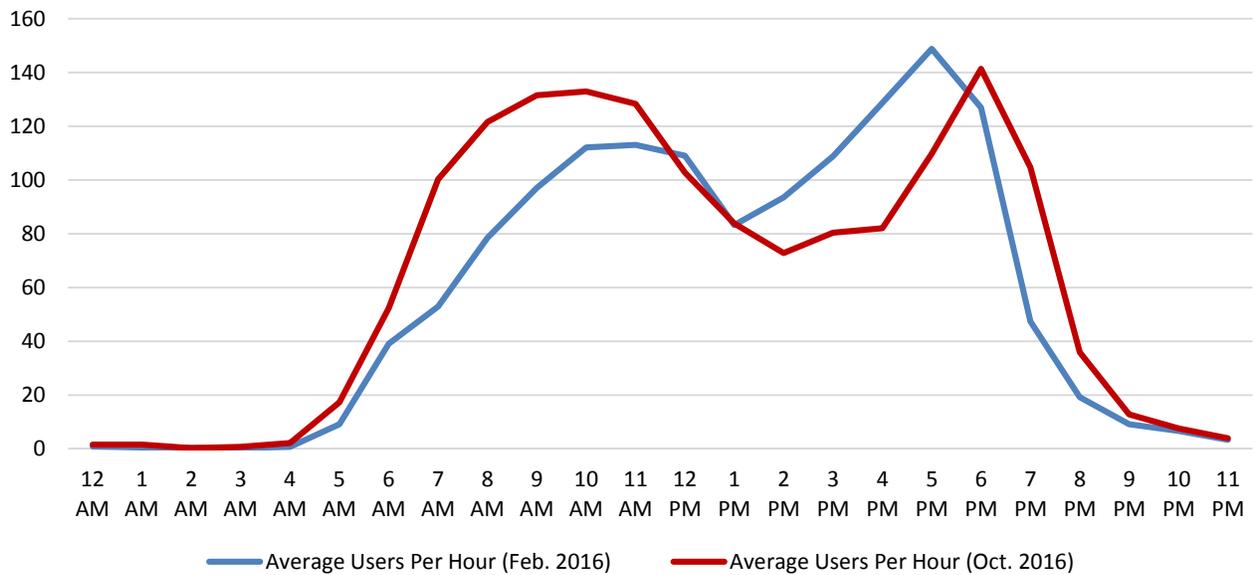
Historical Comparison

Buffalo Bayou North Bank: Green Tree Nature Area

Comparison: Daily Usage



Comparison: Hourly Usage



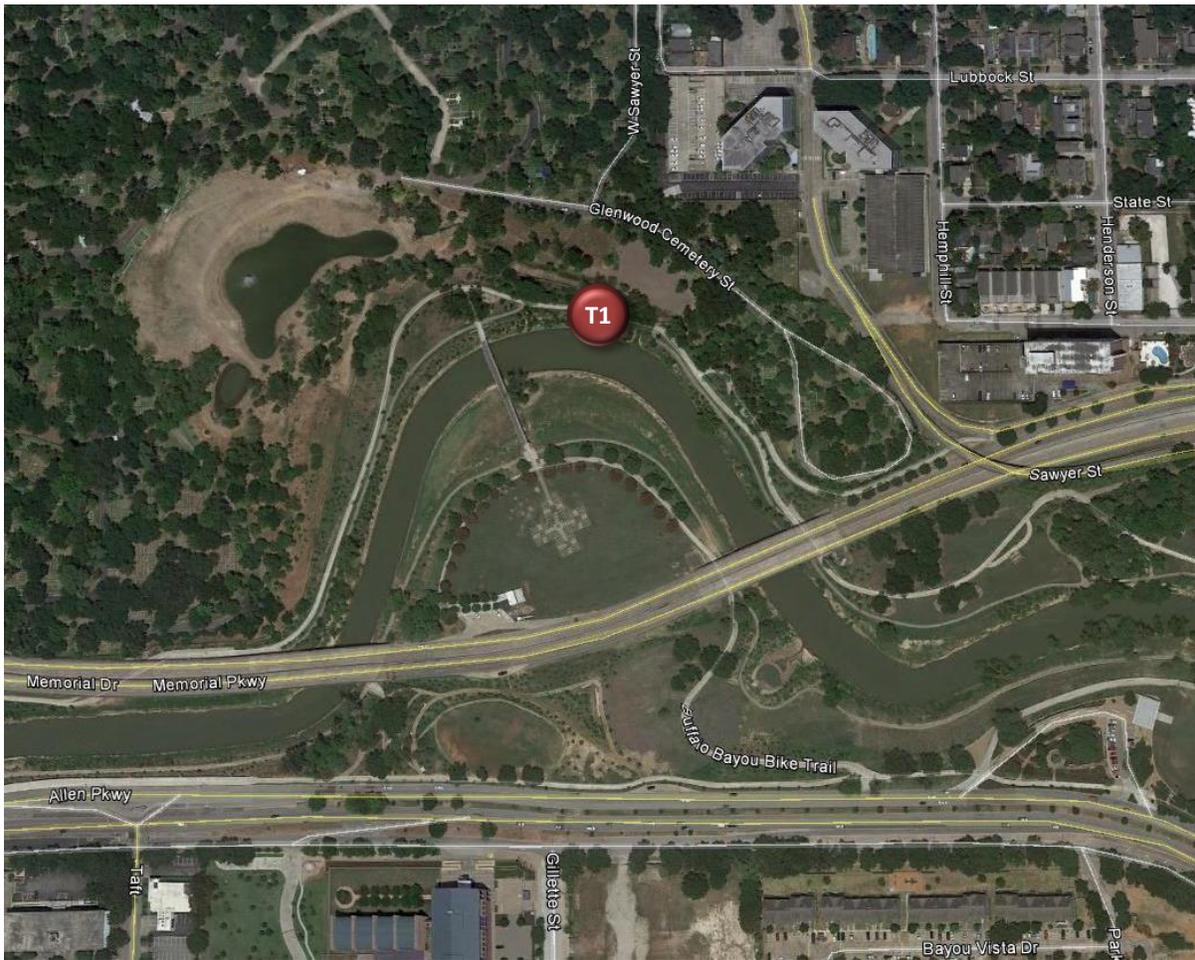
Counter T1

Buffalo Bayou North Bank: Police Memorial

| Location Information | |
|--|---|
| Location Name | Buffalo Bayou North Bank: Police Memorial |
| Location Description | Shared-Use Path along Buffalo Bayou: North Bank East of Carruth Bridge and West of Glenwood Tributary near Police Memorial |
| Jurisdiction | City of Houston |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute |
| GPS Coordinates | 29°45'50.77"N, 95°22'58.28"W |
| Surrounding Land Uses | North Cemetery, Office, Single-Family Residential |
| | South Park |
| | East Cemetery, Office, Single-Family Residential, Multi-Family Residential |
| | West Park, Cemetery |
| What object was device secured to? | Sign Post (Bike Route) near Light Post #43 |
| 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 | Yes |
| 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? | Yes (February 2016) (A counter was also deployed at this location in Oct. 2014, but it malfunctioned and did not collect any data.) |
| Notes | Since the pedestrian/bicycle counter at this location reached maximum capacity during a previous deployment, data was retrieved on October 6, 2016 and Counter T1 was immediately redeployed. |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 1,681 users/day. • Usage tends to be significantly higher during weekends (2,491 users/day) than on weekdays (1,218 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage is highest in the morning (9:00 a.m. – 11:00 a.m.). • Average daily usage recorded during this deployment (1,681 users/day) was 6.3% higher than average daily usage recorded in February 2016 (1,581 users/day). |

Location Information: Map



Location Information: Photos



Image 15: Buffalo Bayou Trail near Police Memorial Facing East

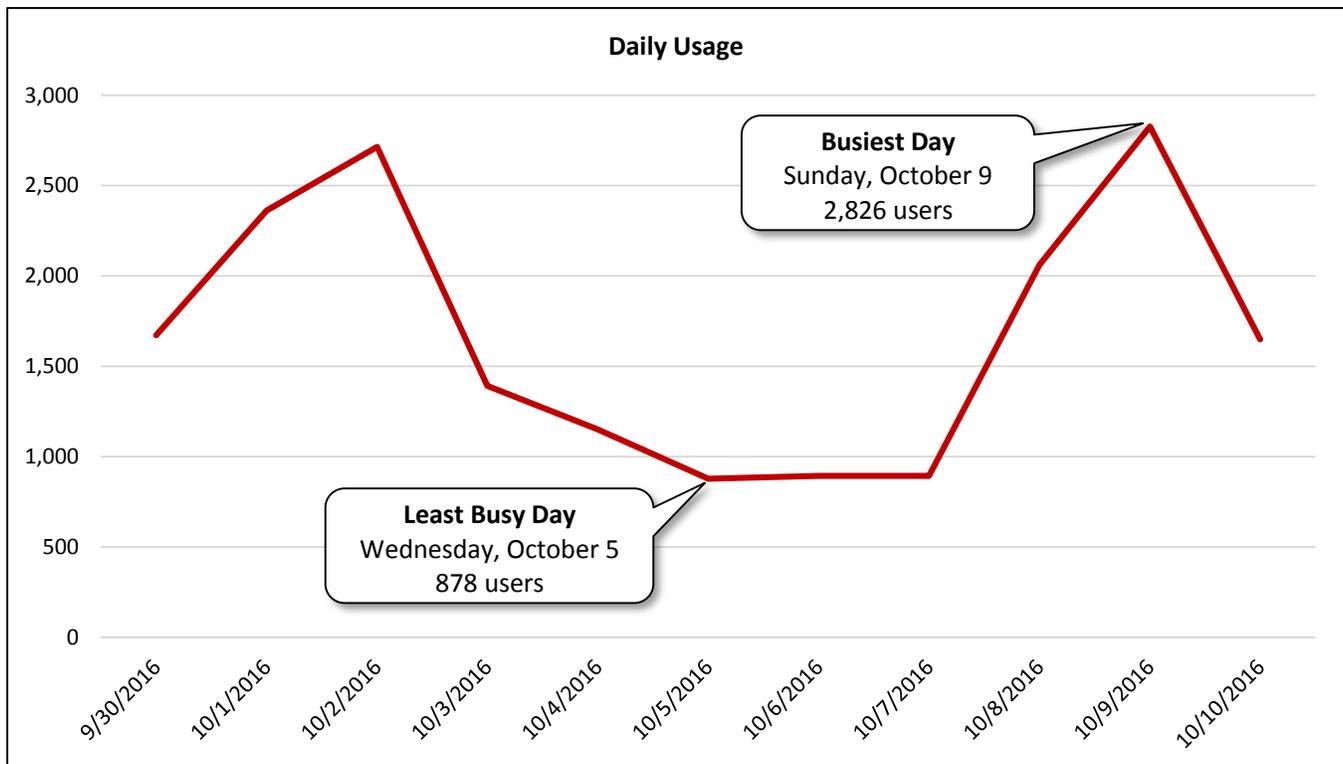


Image 16: Buffalo Bayou Trail near Police Memorial Facing West

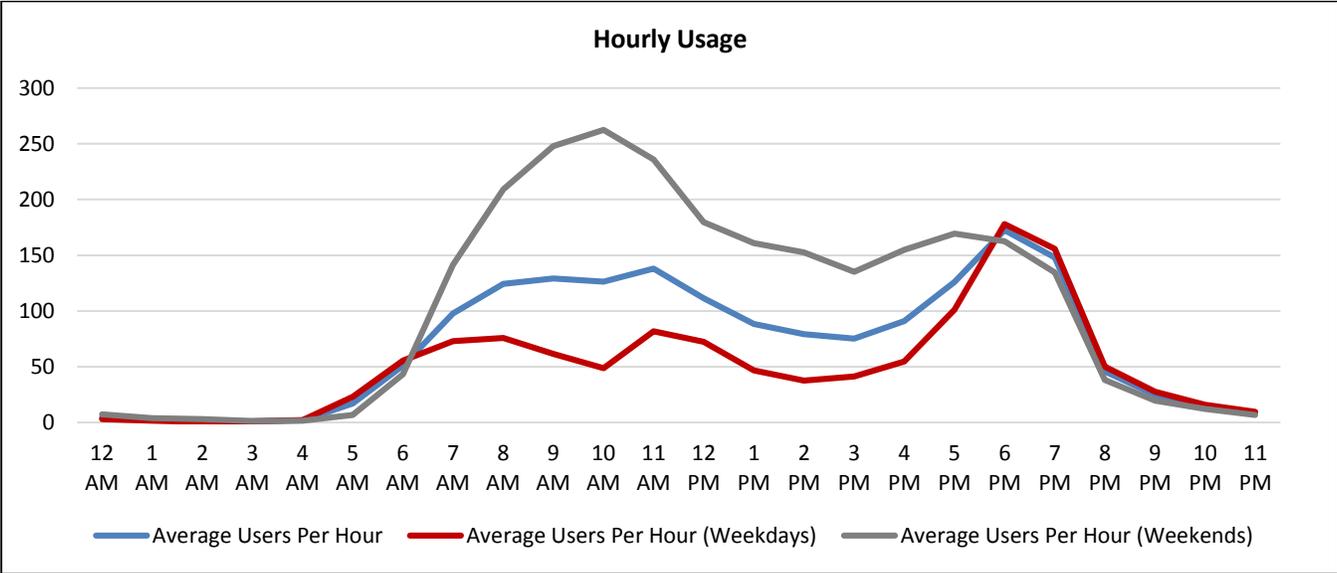
| Daily Usage | | | | |
|---|-------|-----------------------|----------------------|------------------------|
| Buffalo Bayou North Bank: Police Memorial | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 1,672 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 2,362 | 82 | 60 | T |
| Sunday, October 2, 2016 | 2,713 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 1,392 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 1,150 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 878 | 91 | 73 | T |
| Thursday, October 6, 2016 | 894 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 893 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 2,061 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 2,826 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 1,649 | 85 | 53 | 0 |

| | |
|--------------------------------------|--------|
| Total | 18,490 |
| Average Daily Usage | 1,681 |
| Average Daily Usage (Weekday) | 1,218 |
| Average Daily Usage (Weekend) | 2,491 |

*Weather conditions recorded at KHOU.



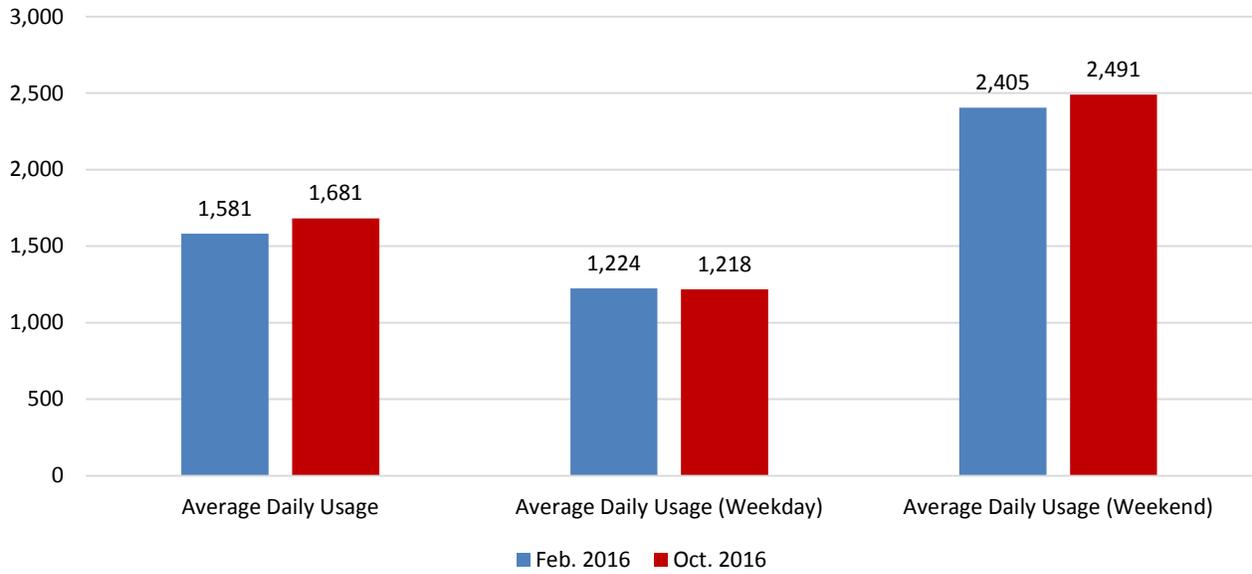
| Hourly Usage | | | |
|---|-------------------------------|--|--|
| Buffalo Bayou North Bank: Police Memorial | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 4.5 | 3.0 | 7.3 |
| 1:00 a.m. | 2.5 | 1.7 | 3.8 |
| 2:00 a.m. | 1.4 | 0.4 | 3.0 |
| 3:00 a.m. | 1.1 | 1.0 | 1.3 |
| 4:00 a.m. | 2.0 | 2.3 | 1.5 |
| 5:00 a.m. | 17.1 | 23.0 | 6.8 |
| 6:00 a.m. | 51.0 | 55.4 | 43.3 |
| 7:00 a.m. | 97.8 | 72.9 | 141.5 |
| 8:00 a.m. | 124.4 | 75.9 | 209.3 |
| 9:00 a.m. | 129.3 | 61.4 | 248.0 |
| 10:00 a.m. | 126.4 | 48.6 | 262.5 |
| 11:00 a.m. | 137.9 | 81.9 | 236.0 |
| 12:00 p.m. | 111.5 | 72.4 | 179.8 |
| 1:00 p.m. | 88.3 | 46.7 | 161.0 |
| 2:00 p.m. | 79.4 | 37.6 | 152.5 |
| 3:00 p.m. | 75.4 | 41.1 | 135.3 |
| 4:00 p.m. | 91.0 | 54.6 | 154.8 |
| 5:00 p.m. | 126.0 | 101.1 | 169.5 |
| 6:00 p.m. | 172.5 | 178.1 | 162.5 |
| 7:00 p.m. | 148.1 | 155.7 | 134.8 |
| 8:00 p.m. | 45.7 | 50.1 | 38.0 |
| 9:00 p.m. | 24.7 | 27.7 | 19.5 |
| 10:00 p.m. | 14.5 | 15.9 | 12.3 |
| 11:00 p.m. | 8.6 | 9.7 | 6.8 |



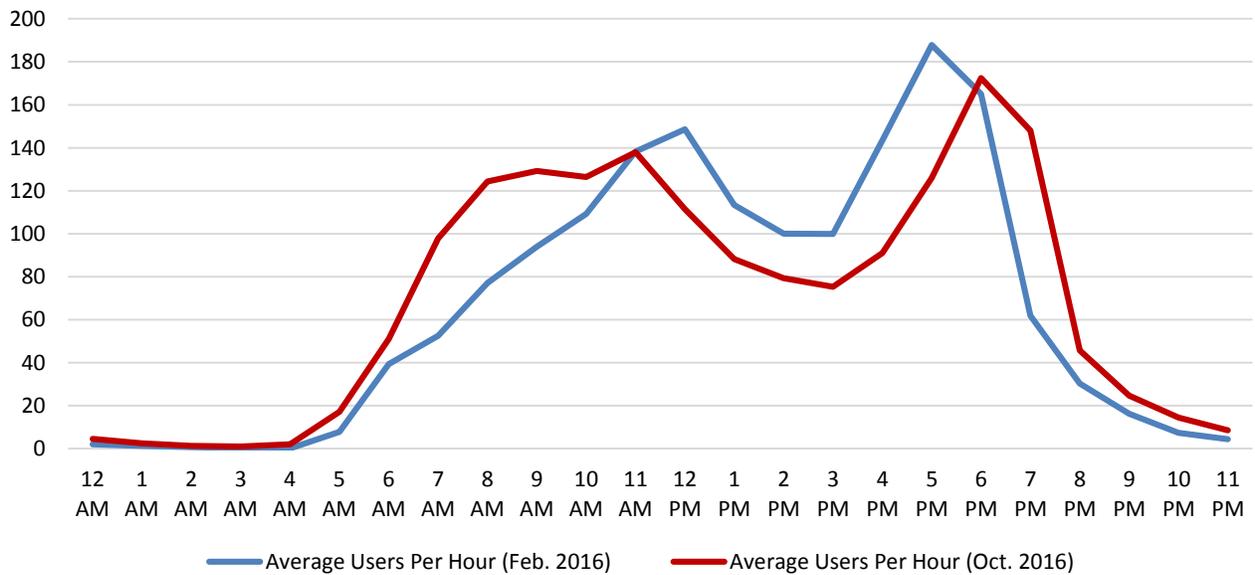
Historical Comparison

Buffalo Bayou North Bank: Police Memorial

Comparison: Daily Usage



Comparison: Hourly Usage



Counter T2

Buffalo Bayou North Bank: Nature Play Area (Sabine Street Access)

| Location Information | | |
|--|---|---|
| Location Name | Buffalo Bayou North Bank: Nature Play Area (Sabine Street Access) | |
| Location Description | Shared-Use Path adjacent to Nature Play Area Connecting Buffalo Bayou Trail (Main Shared-Use Path) to Sabine Street | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'42.21"N, 95°22'36.31"W | |
| Surrounding Land Uses | North | Park, Institutional (City of Houston/Buffalo Bayou Partnership Maintenance Facilities, Fonde Recreation Center), Multi-Family Residential |
| | South | Park, Multi-Family Residential |
| | East | Park, Multi-Family Residential |
| | West | Park |
| What object was device secured to? | Light Post #25 (between Lee and Joe Jamail Skatepark and Nature Play Area) | |
| 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 | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | N/A (Off-Road Shared-Use Path) | |
| Street Lighting | Yes | |
| 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 | |
| Notes | There is currently a Houston B-cycle bikeshare station about 250' east of Counter T2, at the northern end of the Sabine Street Bridge over Buffalo Bayou. | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 966 users/day. • Usage tends to be significantly higher during weekends (1,483 users/day) than on weekdays (671 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage remains relatively steady from late morning through the evening. It is highest midday (11:00 a.m. – 1:00 p.m.) and in the mid-afternoon (2:00 p.m. – 3:00 p.m.). • Average daily usage recorded during the deployment period (966 users/day) was 46.4% higher than average daily usage recorded in February 2016 (660 users/day). |

Location Information: Map



Location Information: Photos



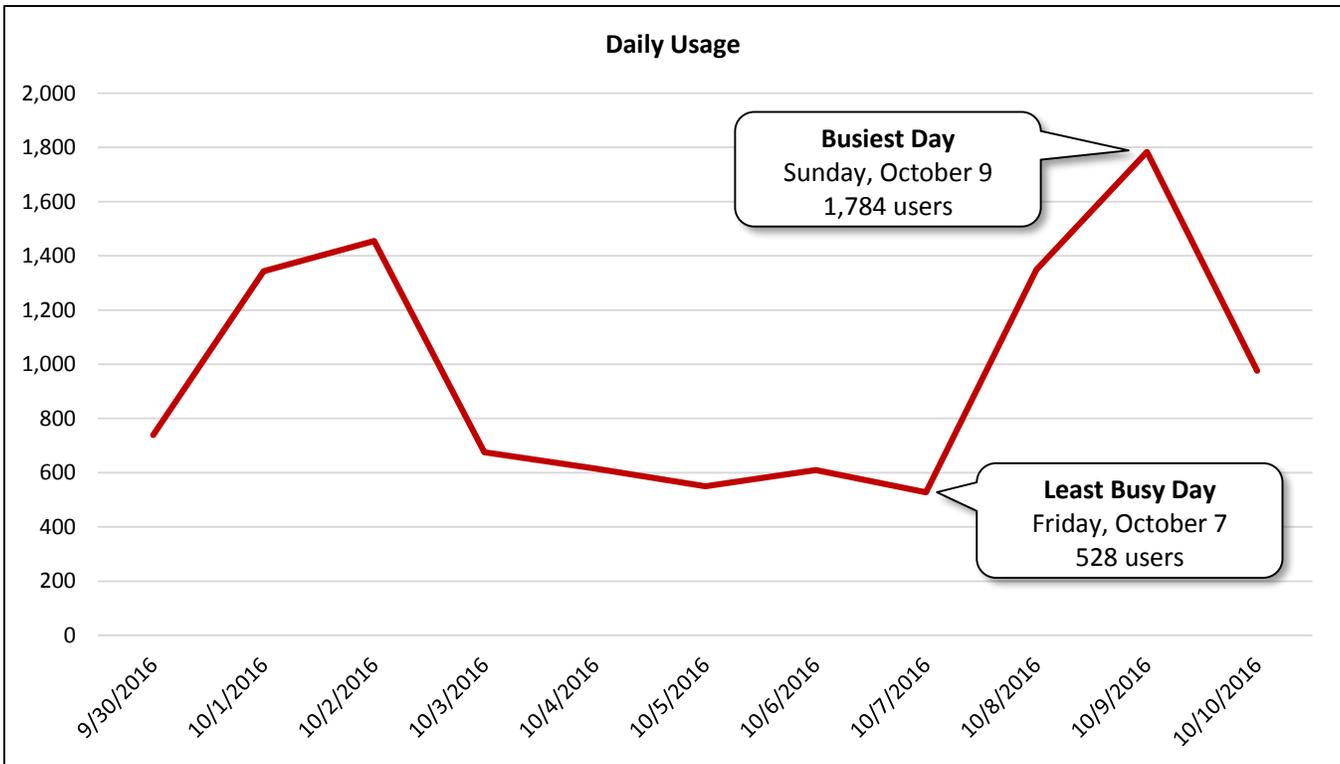
Image 17: Connection to Sabine Street Facing East



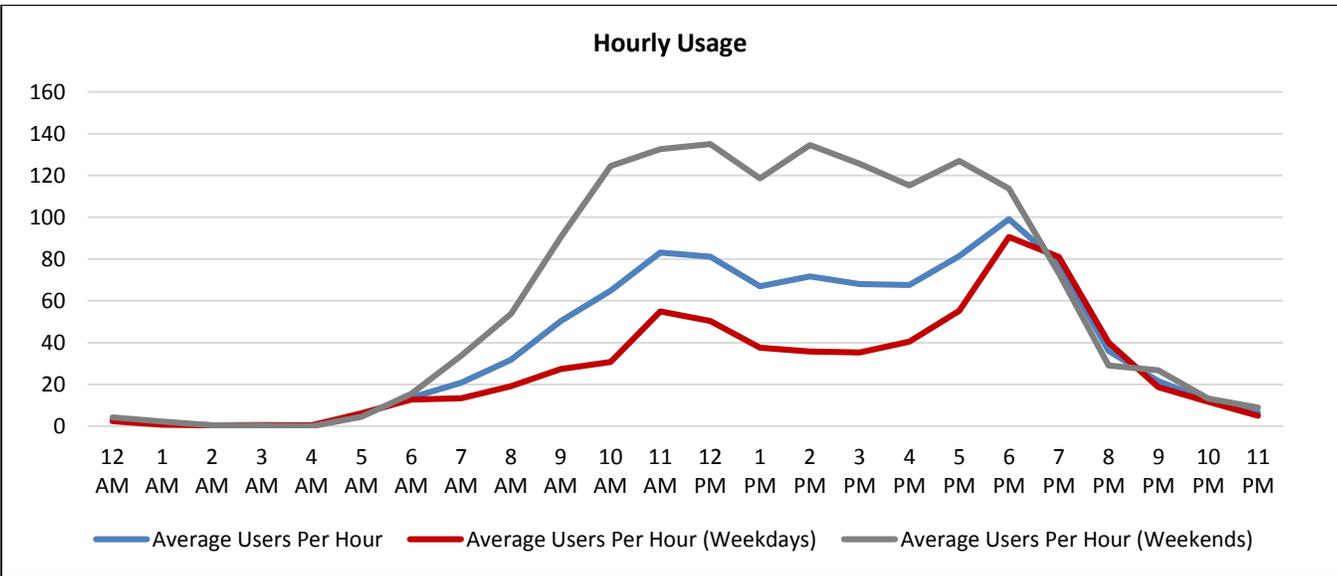
Image 18: Connection to Sabine Street Facing West

| Daily Usage | | | | |
|---|--------|-----------------------|----------------------|------------------------|
| Buffalo Bayou North Bank: Nature Play Area (Sabine Street Access) | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 739 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 1,343 | 82 | 60 | T |
| Sunday, October 2, 2016 | 1,455 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 676 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 616 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 550 | 91 | 73 | T |
| Thursday, October 6, 2016 | 610 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 528 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 1,349 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 1,784 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 976 | 85 | 53 | 0 |
| Total | 10,626 | | | |
| Average Daily Usage | 966 | | | |
| Average Daily Usage (Weekday) | 671 | | | |
| Average Daily Usage (Weekend) | 1,483 | | | |

*Weather conditions recorded at KHOU.



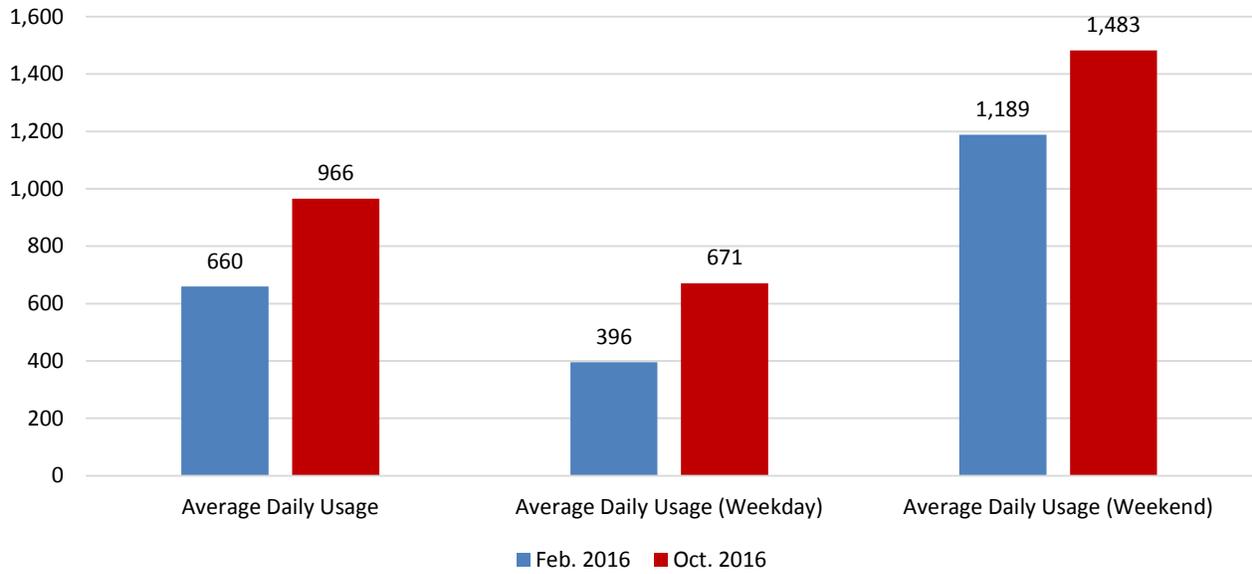
| Hourly Usage | | | |
|---|-------------------------------|--|--|
| Buffalo Bayou North Bank: Nature Play Area (Sabine Street Access) | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 3.1 | 2.4 | 4.3 |
| 1:00 a.m. | 1.3 | 0.7 | 2.3 |
| 2:00 a.m. | 0.5 | 0.4 | 0.5 |
| 3:00 a.m. | 0.5 | 0.6 | 0.3 |
| 4:00 a.m. | 0.3 | 0.4 | 0.0 |
| 5:00 a.m. | 5.6 | 6.3 | 4.5 |
| 6:00 a.m. | 13.7 | 12.7 | 15.5 |
| 7:00 a.m. | 20.8 | 13.4 | 33.8 |
| 8:00 a.m. | 31.7 | 19.1 | 53.8 |
| 9:00 a.m. | 50.4 | 27.4 | 90.5 |
| 10:00 a.m. | 64.8 | 30.7 | 124.5 |
| 11:00 a.m. | 83.1 | 54.9 | 132.5 |
| 12:00 p.m. | 81.1 | 50.3 | 135.0 |
| 1:00 p.m. | 67.0 | 37.6 | 118.5 |
| 2:00 p.m. | 71.6 | 35.7 | 134.5 |
| 3:00 p.m. | 68.1 | 35.3 | 125.5 |
| 4:00 p.m. | 67.6 | 40.4 | 115.3 |
| 5:00 p.m. | 81.4 | 55.3 | 127.0 |
| 6:00 p.m. | 99.0 | 90.6 | 113.8 |
| 7:00 p.m. | 78.1 | 81.0 | 73.0 |
| 8:00 p.m. | 36.0 | 40.0 | 29.0 |
| 9:00 p.m. | 21.6 | 18.7 | 26.8 |
| 10:00 p.m. | 12.3 | 11.7 | 13.3 |
| 11:00 p.m. | 6.5 | 5.0 | 9.0 |



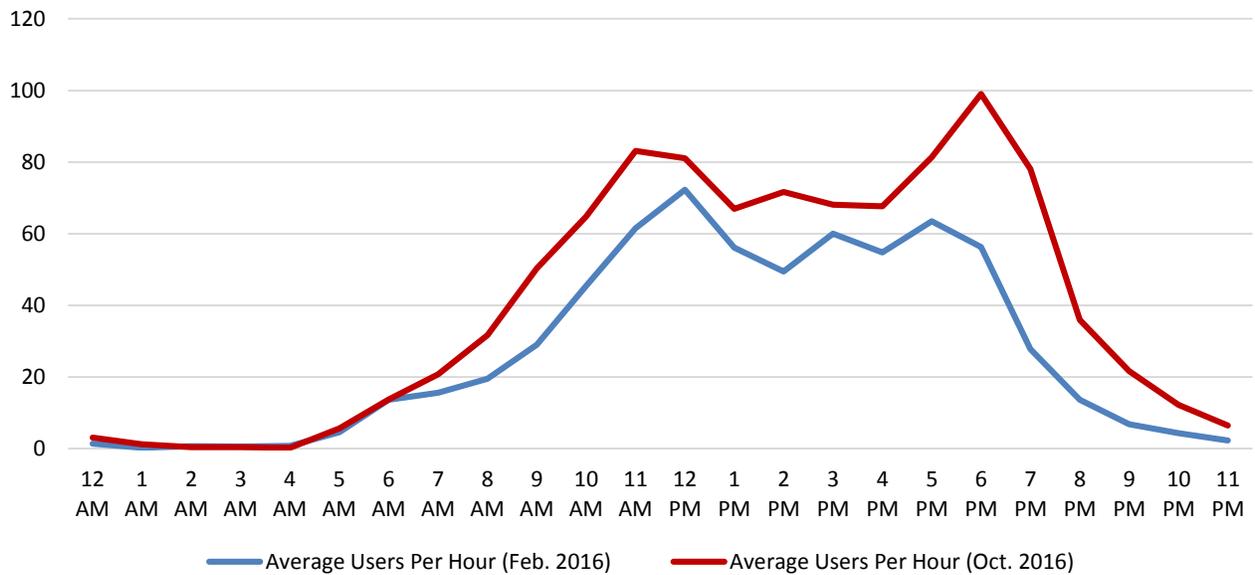
Historical Comparison

Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path)

Comparison: Daily Usage



Comparison: Hourly Usage



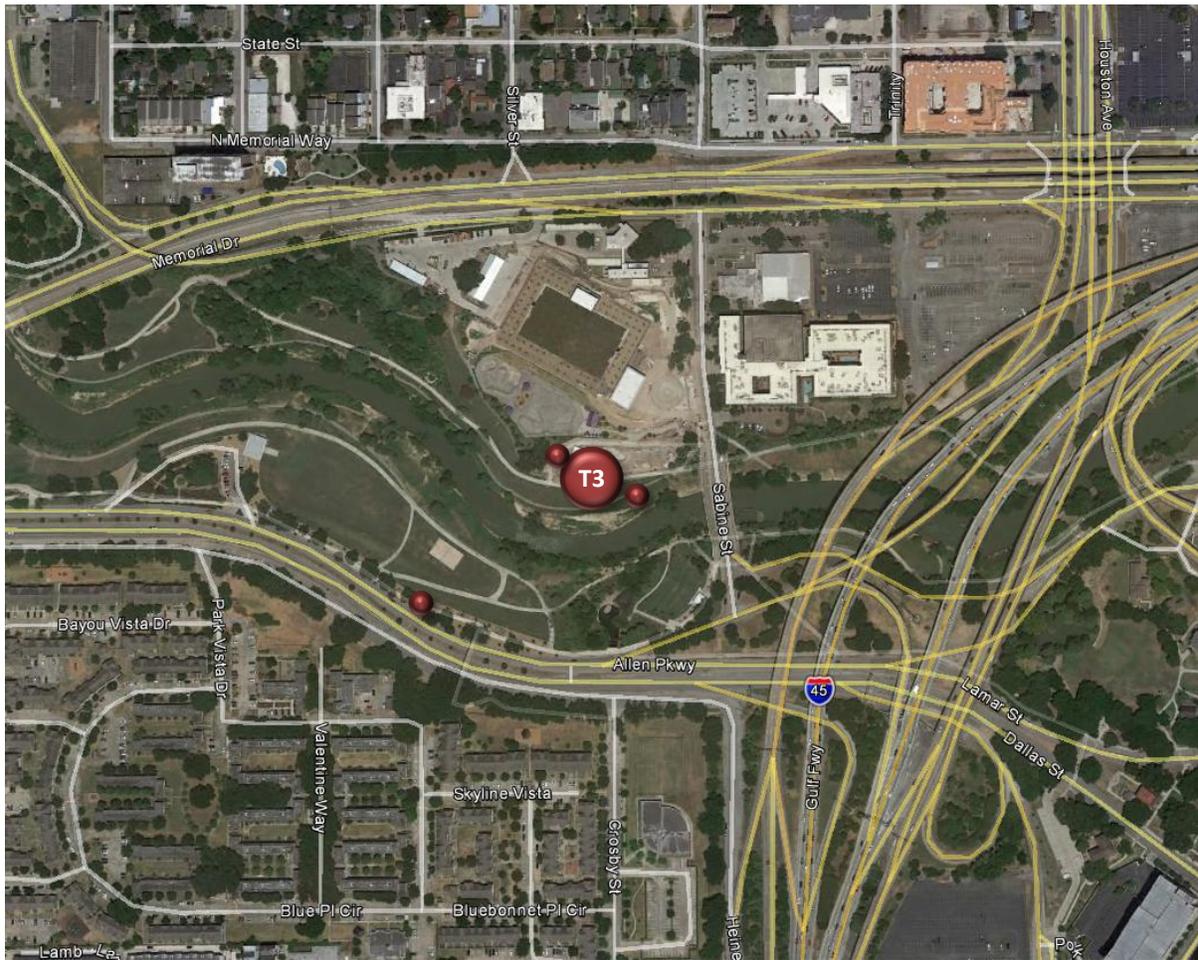
Counter T3

Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path)

| Location Information | | |
|--|---|---|
| Location Name | Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path) | |
| Location Description | Shared-Use Path along Buffalo Bayou: North Bank adjacent to the Nature Play Area (near Sabine Street) | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'41.47"N, 95°22'35.11"W | |
| Surrounding Land Uses | North | Park, Institutional (City of Houston/Buffalo Bayou Partnership Maintenance Facilities, Fonde Recreation Center), Multi-Family Residential |
| | South | Park, Multi-Family Residential |
| | East | Park, Multi-Family Residential |
| | West | Park |
| What object was device secured to? | Light Post #28 | |
| 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 | Yes | |
| 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? | Yes (February 2016) | |
| Notes | There is currently a Houston B-cycle bikeshare station about 250' east of Counter T3, at the northern end of the Sabine Street Bridge over Buffalo Bayou. | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 598 users/day. • Usage tends to be significantly higher during weekends (982 users/day) than on weekdays (379 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage is highest in the late morning (10:00 a.m. – 12:00 p.m.). • Average daily usage during the deployment period (598 users/day) was 24.3% higher than average daily usage recorded in February 2016 (481 users/day). |

Location Information: Map



Location Information: Photos



Image 19: Buffalo Bayou Trail near Nature Play Area
Facing East

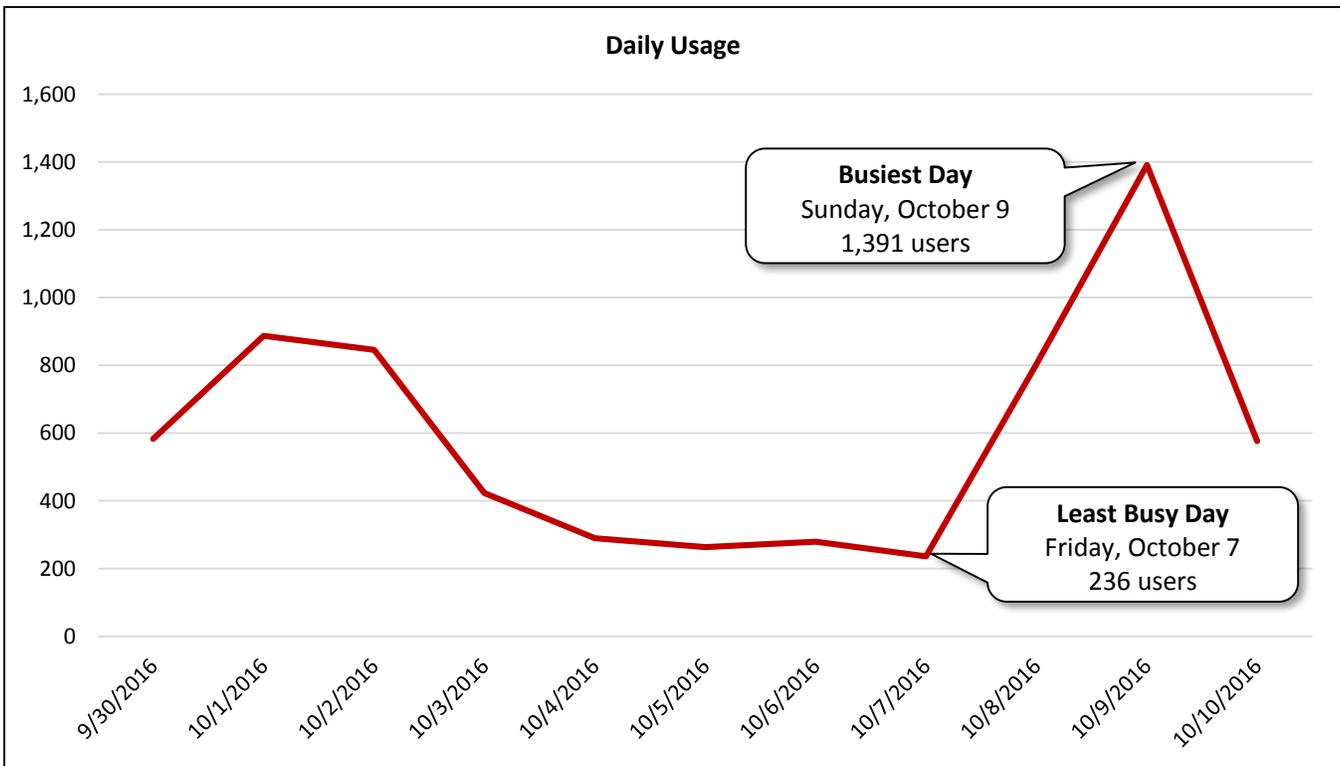


Image 20: Buffalo Bayou Trail near Nature Play Area
Facing West

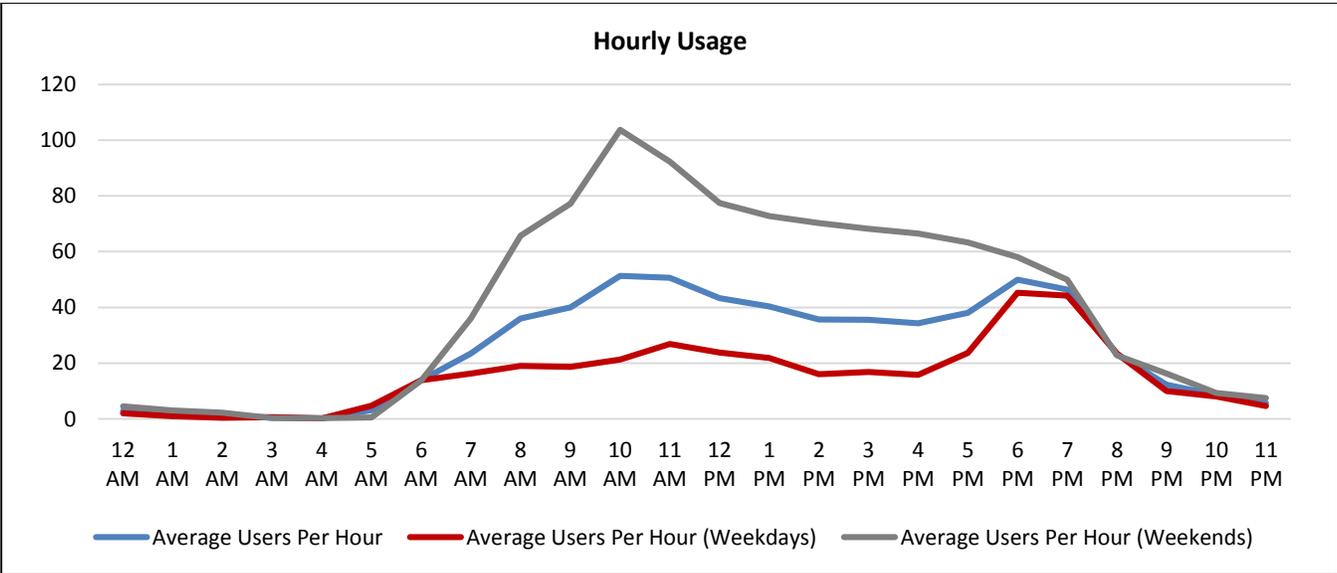
| Daily Usage | | | | |
|---|-------|-----------------------|----------------------|------------------------|
| Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path) | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 583 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 887 | 82 | 60 | T |
| Sunday, October 2, 2016 | 846 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 423 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 290 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 263 | 91 | 73 | T |
| Thursday, October 6, 2016 | 279 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 236 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 803 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 1,391 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 576 | 85 | 53 | 0 |

| | |
|--------------------------------------|-------|
| Total | 6,577 |
| Average Daily Usage | 598 |
| Average Daily Usage (Weekday) | 379 |
| Average Daily Usage (Weekend) | 982 |

*Weather conditions recorded at KHOU.



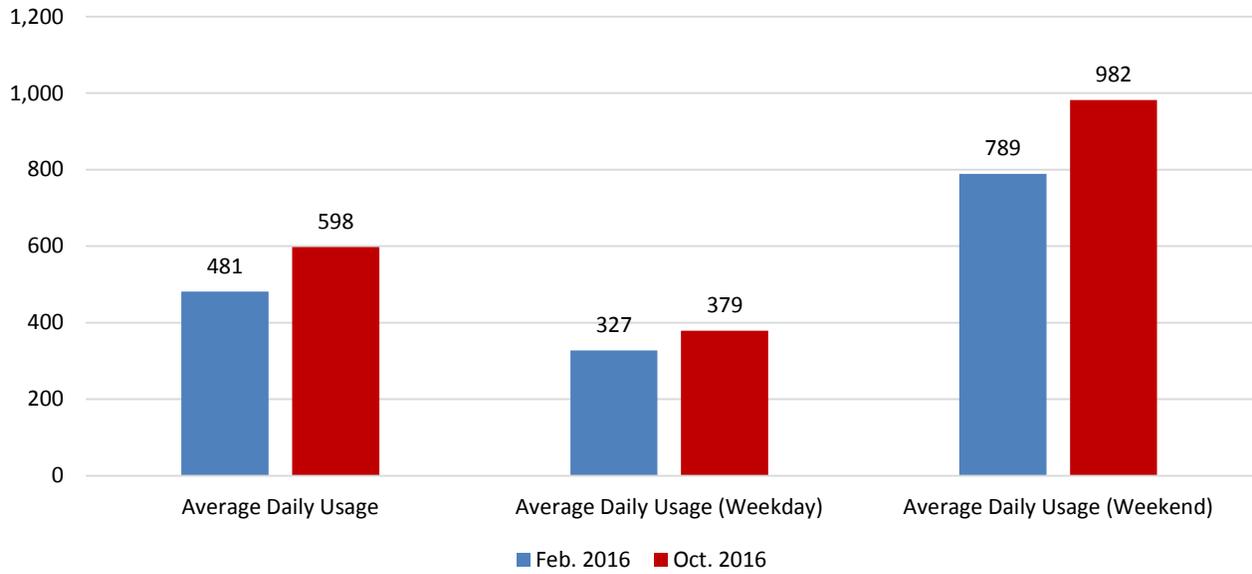
| Hourly Usage | | | |
|---|-------------------------------|--|--|
| Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path) | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 2.9 | 2.0 | 4.5 |
| 1:00 a.m. | 1.7 | 1.0 | 3.0 |
| 2:00 a.m. | 1.1 | 0.4 | 2.3 |
| 3:00 a.m. | 0.5 | 0.6 | 0.3 |
| 4:00 a.m. | 0.2 | 0.1 | 0.3 |
| 5:00 a.m. | 3.2 | 4.7 | 0.5 |
| 6:00 a.m. | 13.8 | 13.9 | 13.8 |
| 7:00 a.m. | 23.5 | 16.3 | 36.0 |
| 8:00 a.m. | 36.0 | 19.0 | 65.8 |
| 9:00 a.m. | 40.0 | 18.7 | 77.3 |
| 10:00 a.m. | 51.3 | 21.3 | 103.8 |
| 11:00 a.m. | 50.6 | 26.9 | 92.3 |
| 12:00 p.m. | 43.4 | 23.9 | 77.5 |
| 1:00 p.m. | 40.4 | 21.9 | 72.8 |
| 2:00 p.m. | 35.7 | 16.0 | 70.3 |
| 3:00 p.m. | 35.5 | 16.9 | 68.3 |
| 4:00 p.m. | 34.3 | 15.9 | 66.5 |
| 5:00 p.m. | 38.1 | 23.7 | 63.3 |
| 6:00 p.m. | 49.9 | 45.3 | 58.0 |
| 7:00 p.m. | 46.4 | 44.3 | 50.0 |
| 8:00 p.m. | 23.2 | 23.4 | 22.8 |
| 9:00 p.m. | 12.3 | 10.0 | 16.3 |
| 10:00 p.m. | 8.5 | 8.0 | 9.3 |
| 11:00 p.m. | 5.6 | 4.6 | 7.5 |



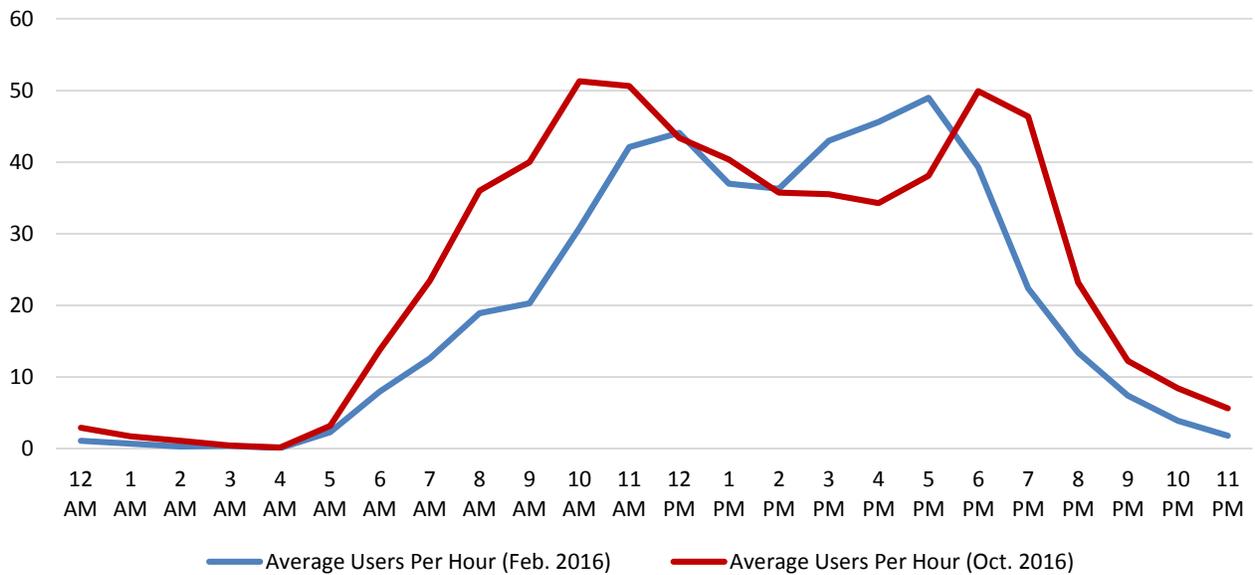
Historical Comparison

Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path)

Comparison: Daily Usage



Comparison: Hourly Usage



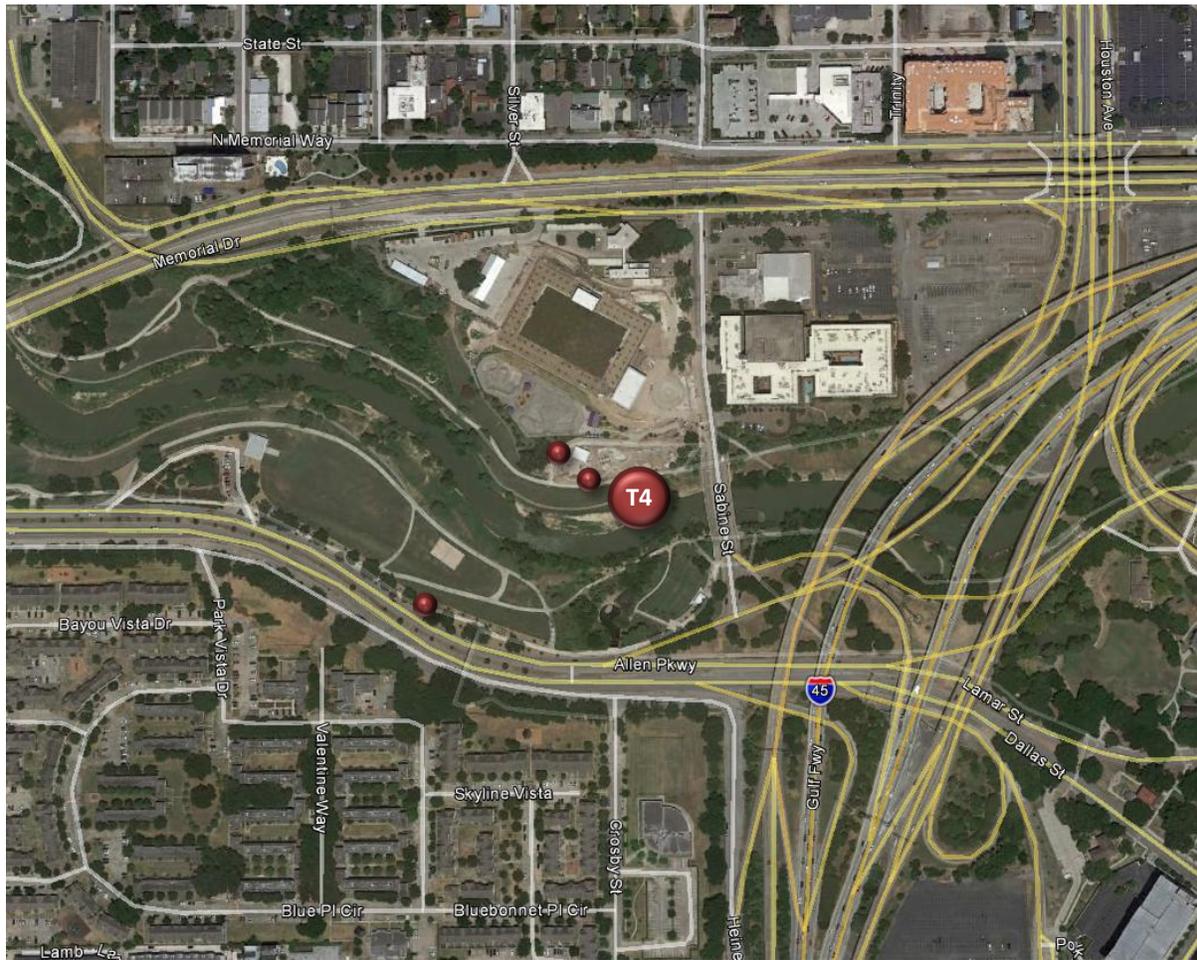
Counter T4

Buffalo Bayou North Bank: Nature Play Area (Pedestrian Path)

| Location Information | | |
|--|---|---|
| Location Name | Buffalo Bayou North Bank: Nature Play Area (Pedestrian Path) | |
| Location Description | Pedestrians-Only Pathway along Buffalo Bayou: North Bank adjacent to the Nature Play Area (near Sabine Street) | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'41.30"N, 95°22'34.03"W | |
| Surrounding Land Uses | North | Park, Institutional (City of Houston/Buffalo Bayou Partnership Maintenance Facilities, Fonde Recreation Center), Multi-Family Residential |
| | South | Park, Multi-Family Residential |
| | East | Park, Multi-Family Residential |
| | West | Park |
| What object was device secured to? | Pipe North of Pedestrians-Only Pathway near the Nature Play Area | |
| Sidewalk Width | 5' | |
| Buffer Width | N/A (Off-Road Pedestrian Pathway) | |
| Street Width | N/A (Off-Road Pedestrian Pathway) | |
| Parallel Parking | N/A (Off-Road Pedestrian Pathway) | |
| Landscaping or Trees | No | |
| Sidewalk Pavement Type | Asphalt | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | N/A (Off-Road Pedestrian Pathway) | |
| Street Lighting | No | |
| Street Traffic Volume | N/A (Off-Road Pedestrian Pathway) | |
| Transit | No | |
| Shade | No | |
| Have counts been collected by H-GAC at this location before? | Yes (February 2016) | |
| Notes | There is currently a Houston B-cycle bikeshare station about 250' east of Counter T4, at the northern end of the Sabine Street Bridge over Buffalo Bayou. | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 380 users/day. • Usage tends to be significantly higher during weekends (577 users/day) than on weekdays (268 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 7:00 p.m.). • During weekends, usage is highest in the morning (9:00 a.m. – 11:00 a.m.). • Average daily usage during the deployment period (380 users/day) was 1.6% lower than usage recorded in February 2016 (386 users/day). |

Location Information: Map



Location Information: Photos



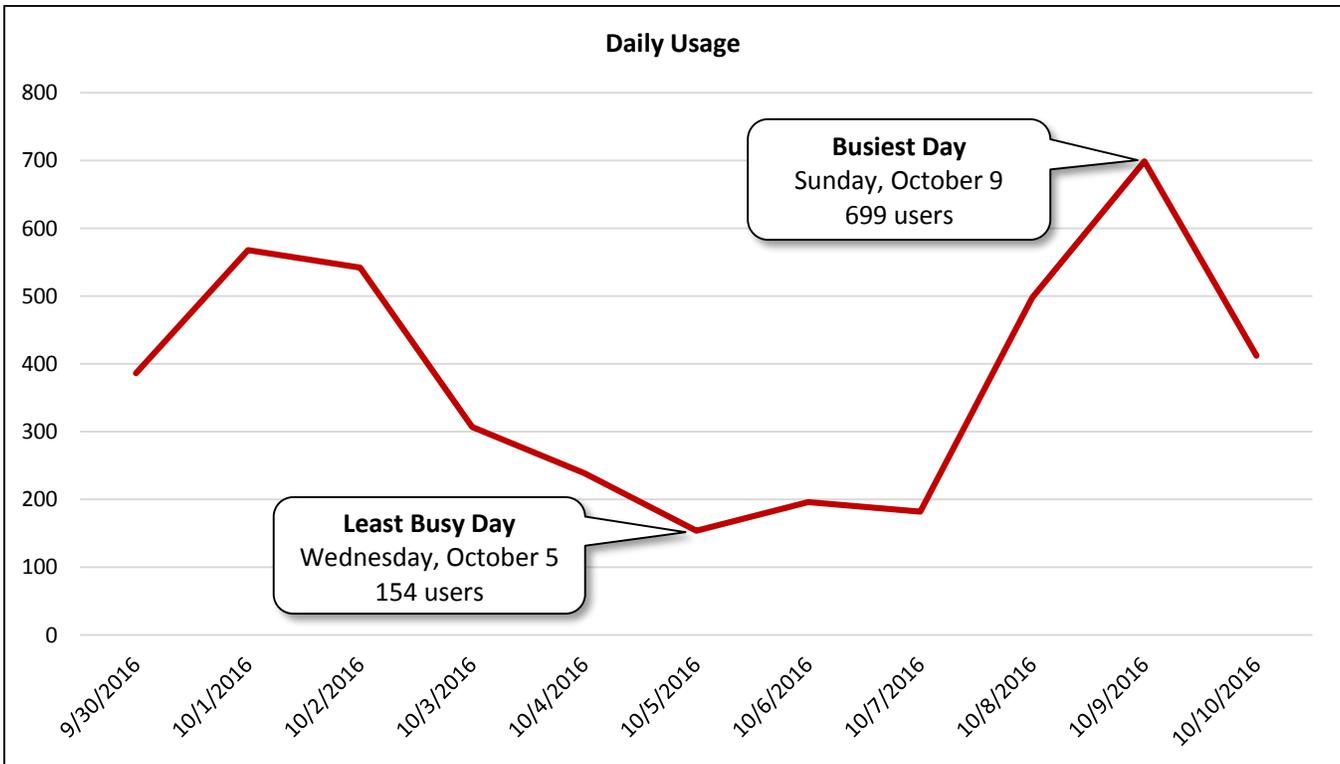
Image 21: Pedestrian Pathway near Nature Play Area Facing East



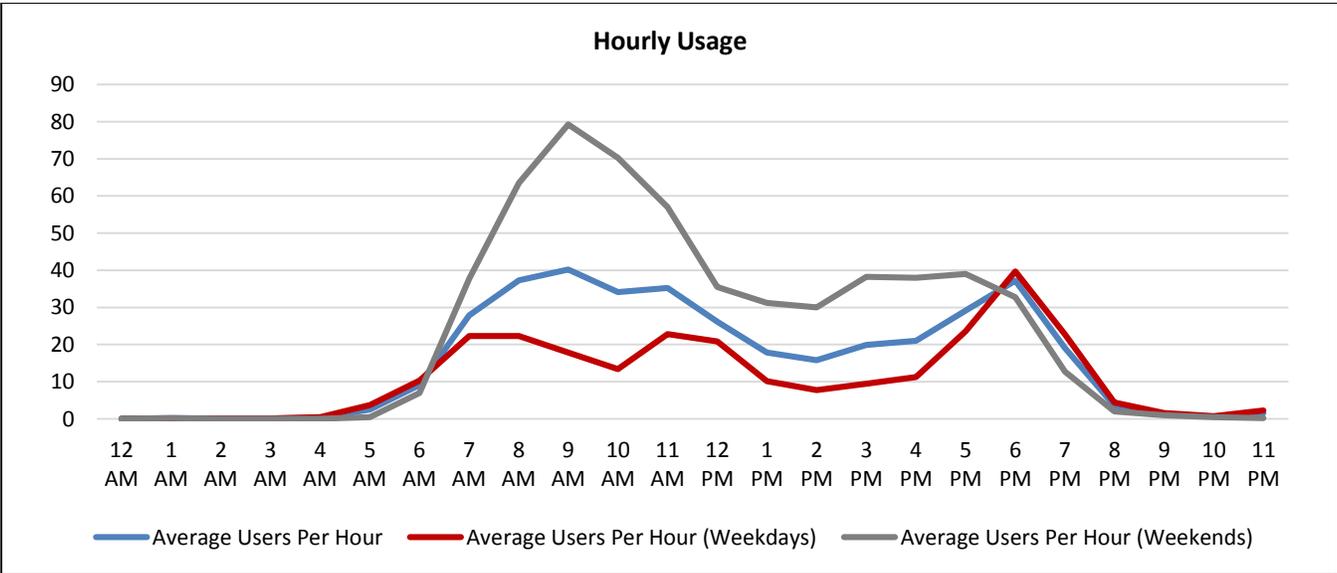
Image 22: Pedestrian Pathway near Nature Play Area Facing West

| Daily Usage | | | | |
|--|--------------|-----------------------|----------------------|------------------------|
| Buffalo Bayou North Bank: Nature Play Area (Pedestrian Path) | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 386 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 568 | 82 | 60 | T |
| Sunday, October 2, 2016 | 542 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 307 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 239 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 154 | 91 | 73 | T |
| Thursday, October 6, 2016 | 196 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 182 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 498 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 699 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 412 | 85 | 53 | 0 |
| Total | 4,183 | | | |
| Average Daily Usage | 380 | | | |
| Average Daily Usage (Weekday) | 268 | | | |
| Average Daily Usage (Weekend) | 577 | | | |

*Weather conditions recorded at KHOU.



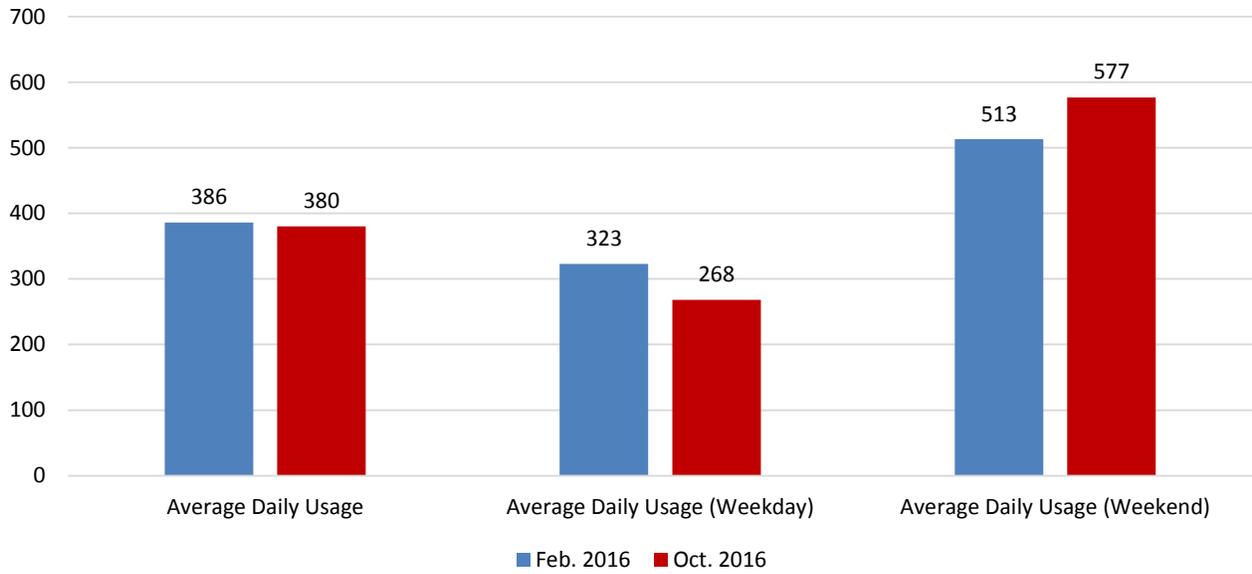
| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Buffalo Bayou North Bank: Nature Play Area (Pedestrian Path) | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 0.0 | 0.0 | 0.0 |
| 1:00 a.m. | 0.2 | 0.1 | 0.3 |
| 2:00 a.m. | 0.1 | 0.1 | 0.0 |
| 3:00 a.m. | 0.1 | 0.1 | 0.0 |
| 4:00 a.m. | 0.3 | 0.4 | 0.0 |
| 5:00 a.m. | 2.5 | 3.7 | 0.5 |
| 6:00 a.m. | 9.1 | 10.3 | 7.0 |
| 7:00 a.m. | 27.9 | 22.3 | 37.8 |
| 8:00 a.m. | 37.3 | 22.3 | 63.5 |
| 9:00 a.m. | 40.2 | 17.9 | 79.3 |
| 10:00 a.m. | 34.1 | 13.4 | 70.3 |
| 11:00 a.m. | 35.3 | 22.9 | 57.0 |
| 12:00 p.m. | 26.2 | 20.9 | 35.5 |
| 1:00 p.m. | 17.8 | 10.1 | 31.3 |
| 2:00 p.m. | 15.8 | 7.7 | 30.0 |
| 3:00 p.m. | 19.9 | 9.4 | 38.3 |
| 4:00 p.m. | 21.0 | 11.3 | 38.0 |
| 5:00 p.m. | 29.2 | 23.6 | 39.0 |
| 6:00 p.m. | 37.2 | 39.7 | 32.8 |
| 7:00 p.m. | 19.1 | 22.7 | 12.8 |
| 8:00 p.m. | 3.5 | 4.4 | 2.0 |
| 9:00 p.m. | 1.4 | 1.6 | 1.0 |
| 10:00 p.m. | 0.6 | 0.7 | 0.5 |
| 11:00 p.m. | 1.5 | 2.3 | 0.3 |



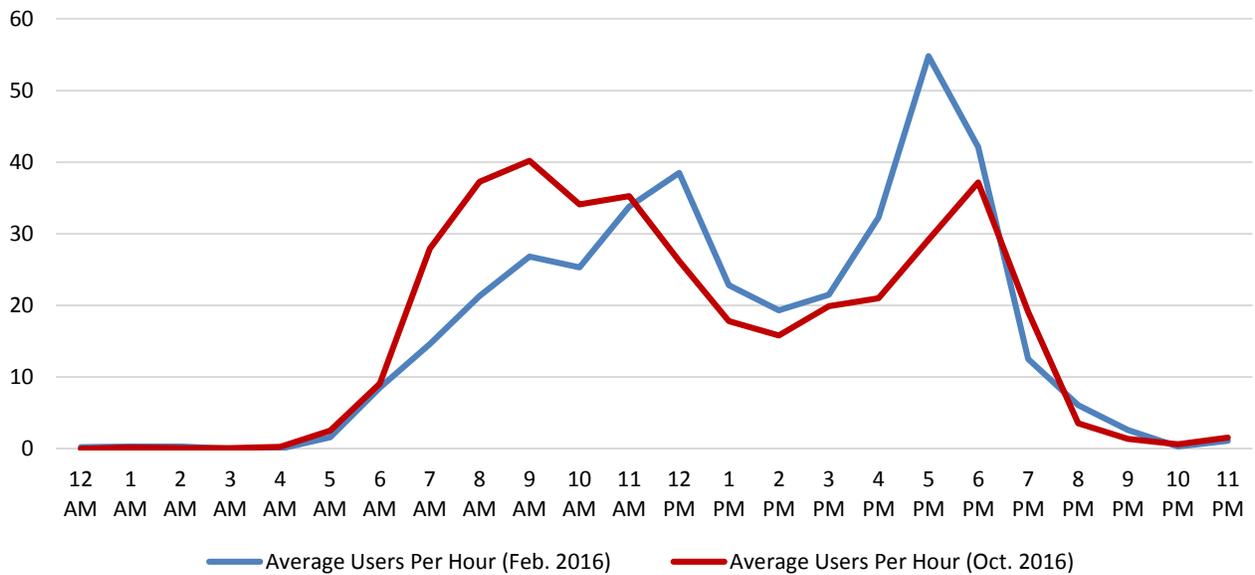
Historical Comparison

Buffalo Bayou North Bank: Nature Play Area (Main Shared-Use Path)

Comparison: Daily Usage



Comparison: Hourly Usage



Counter T5

Buffalo Bayou South Bank: Eleanor Tinsley Park

| Location Information | | |
|--|---|--|
| Location Name | Buffalo Bayou South Bank: Eleanor Tinsley Park | |
| Location Description | Shared-use path along Allen Parkway adjacent to Eleanor Tinsley Park, just west of the pedestrian bridge that crosses Allen Parkway. | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership, Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'38.27"N, 95°22'40.76"W | |
| Surrounding Land Uses | North | Park, Institutional (City of Houston/Buffalo Bayou Partnership Maintenance Facilities, Fonde Rec. Center), Multi-Family Resid. |
| | South | Multi-Family Residential |
| | East | Park, Multi-Family Residential |
| | West | Park, Multi-Family Residential |
| What object was device secured to? | Light Post between Allen Parkway and Shared-Use Path | |
| Sidewalk Width | 10' | |
| Buffer Width | 10' | |
| Street Width | 6 main lanes + adjacent parking area (Construction to reconfigure Allen Parkway was almost complete during the deployment period.) | |
| 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 | 41,804 (1800 Allen Parkway: City of Houston – 2013) | |
| Transit | No | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | Yes (October 2014 and February 2016) | |
| Notes | Since the pedestrian/bicycle counter at this location reached maximum capacity during a previous deployment, data was retrieved on October 6, 2016 and Counter T5 was immediately redeployed. | |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 1,539 users/day. • Usage tends to be significantly higher during weekends (2,140 users/day) than on weekdays (1,195 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage peaks in the late morning (10:00 a.m. – 11:00 a.m.). • Average daily usage during the deployment period (1,539 users/day) was 1.9% lower than average daily usage recorded in February 2016 (1,569 users/day), but 114.6% higher than that recorded in October 2014 (717 users/day). |

Location Information: Map



Location Information: Photos



Image 23: Shared-Use Path near Eleanor Tinsley Park Facing East

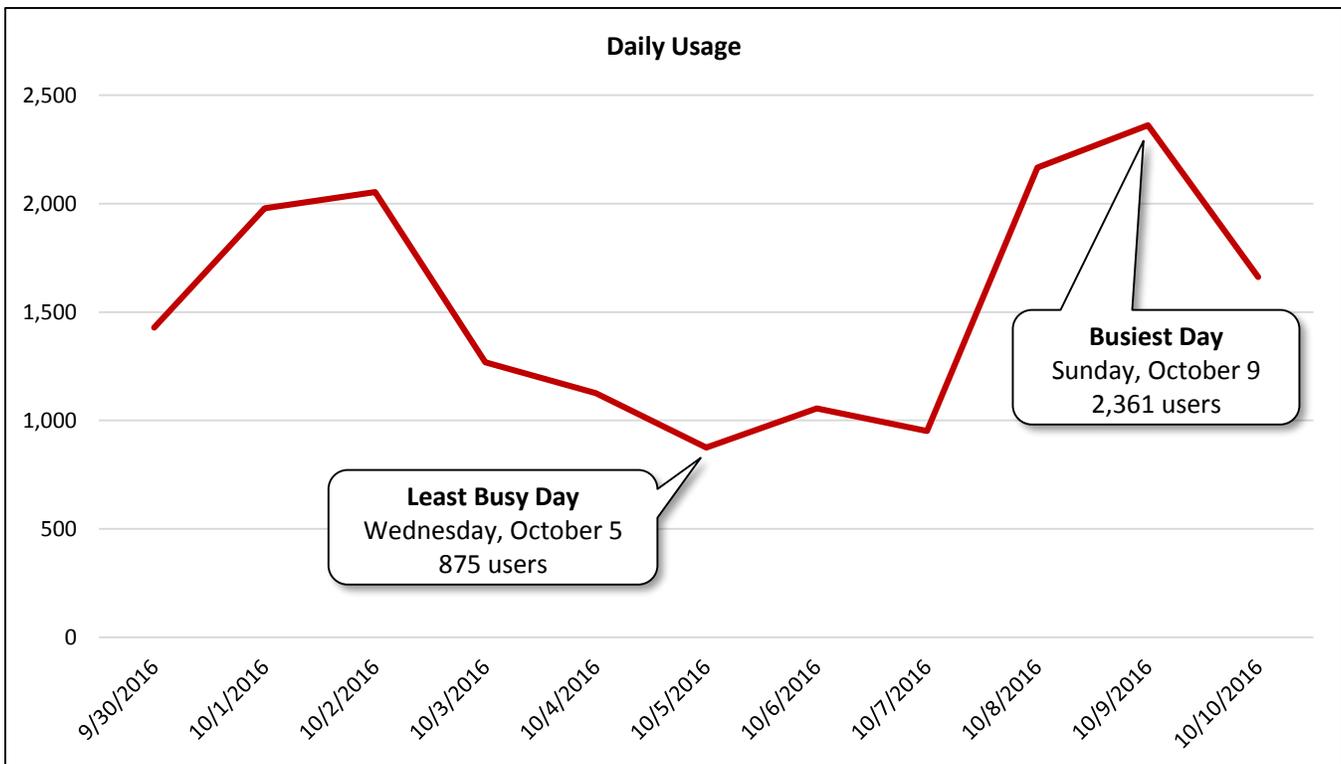


Image 24: Shared-Use Path near Eleanor Tinsley Park Facing West

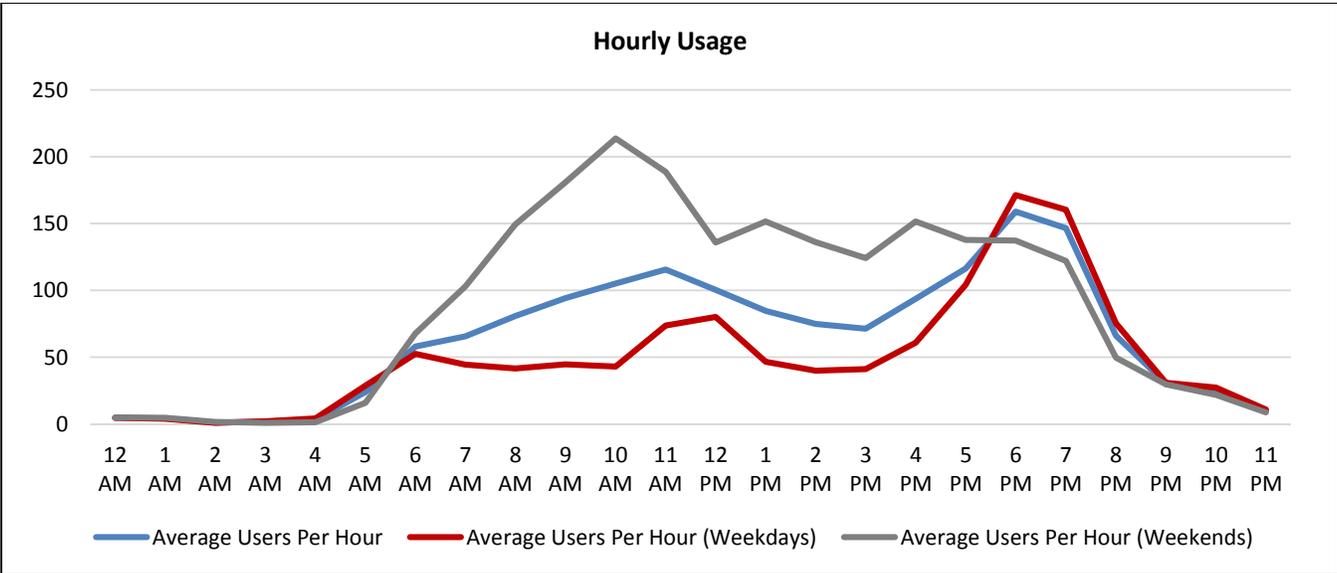
| Daily Usage | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Buffalo Bayou South Bank: Eleanor Tinsley Park | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 1,428 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 1,979 | 82 | 60 | T |
| Sunday, October 2, 2016 | 2,053 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 1,268 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 1,126 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 875 | 91 | 73 | T |
| Thursday, October 6, 2016 | 1,056 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 951 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 2,166 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 2,361 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 1,661 | 85 | 53 | 0 |

| | |
|--------------------------------------|--------|
| Total | 16,924 |
| Average Daily Usage | 1,539 |
| Average Daily Usage (Weekday) | 1,195 |
| Average Daily Usage (Weekend) | 2,140 |

*Weather conditions recorded at KHOU.

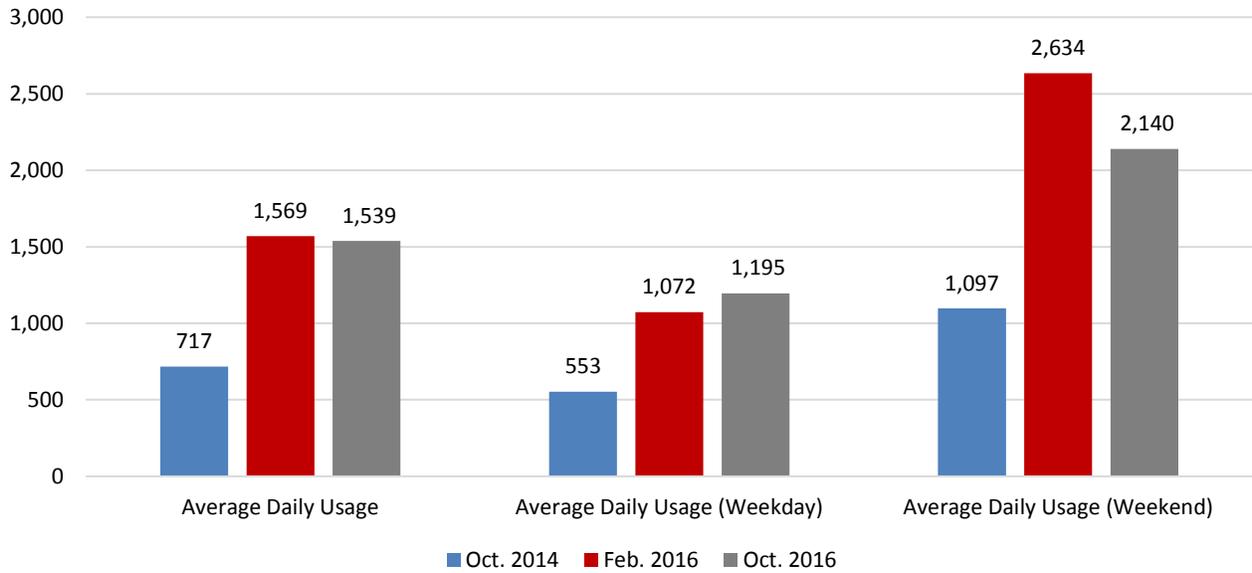


| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Buffalo Bayou South Bank: Eleanor Tinsley Park | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 4.8 | 4.7 | 5.0 |
| 1:00 a.m. | 4.3 | 4.0 | 4.8 |
| 2:00 a.m. | 1.3 | 1.0 | 1.8 |
| 3:00 a.m. | 1.8 | 2.3 | 1.0 |
| 4:00 a.m. | 3.4 | 4.4 | 1.5 |
| 5:00 a.m. | 24.1 | 28.7 | 16.0 |
| 6:00 a.m. | 58.1 | 52.6 | 67.8 |
| 7:00 a.m. | 65.7 | 44.4 | 103.0 |
| 8:00 a.m. | 80.8 | 41.6 | 149.5 |
| 9:00 a.m. | 94.2 | 44.7 | 180.8 |
| 10:00 a.m. | 105.2 | 43.1 | 213.8 |
| 11:00 a.m. | 115.6 | 73.9 | 188.8 |
| 12:00 p.m. | 100.5 | 80.3 | 135.8 |
| 1:00 p.m. | 84.8 | 46.7 | 151.5 |
| 2:00 p.m. | 74.9 | 40.0 | 136.0 |
| 3:00 p.m. | 71.4 | 41.1 | 124.3 |
| 4:00 p.m. | 93.8 | 60.9 | 151.5 |
| 5:00 p.m. | 116.4 | 104.1 | 137.8 |
| 6:00 p.m. | 158.9 | 171.3 | 137.3 |
| 7:00 p.m. | 146.5 | 160.4 | 122.0 |
| 8:00 p.m. | 66.1 | 75.4 | 49.8 |
| 9:00 p.m. | 30.5 | 30.9 | 29.8 |
| 10:00 p.m. | 25.5 | 27.4 | 22.0 |
| 11:00 p.m. | 10.2 | 11.0 | 8.8 |

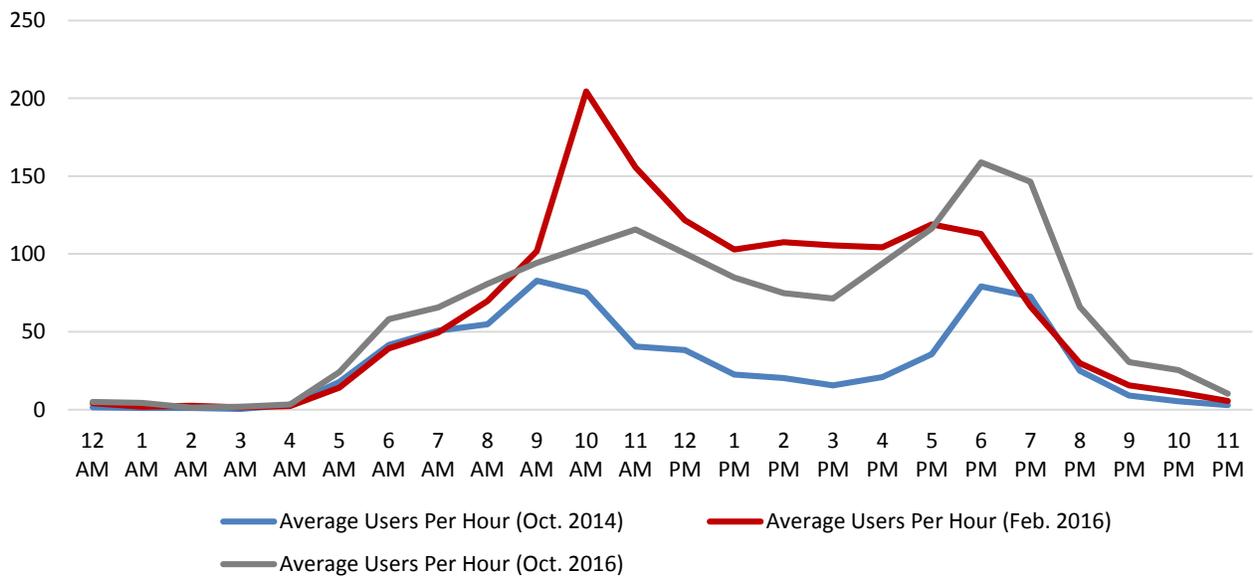


Historical Comparison

Comparison: Daily Usage



Comparison: Hourly Usage



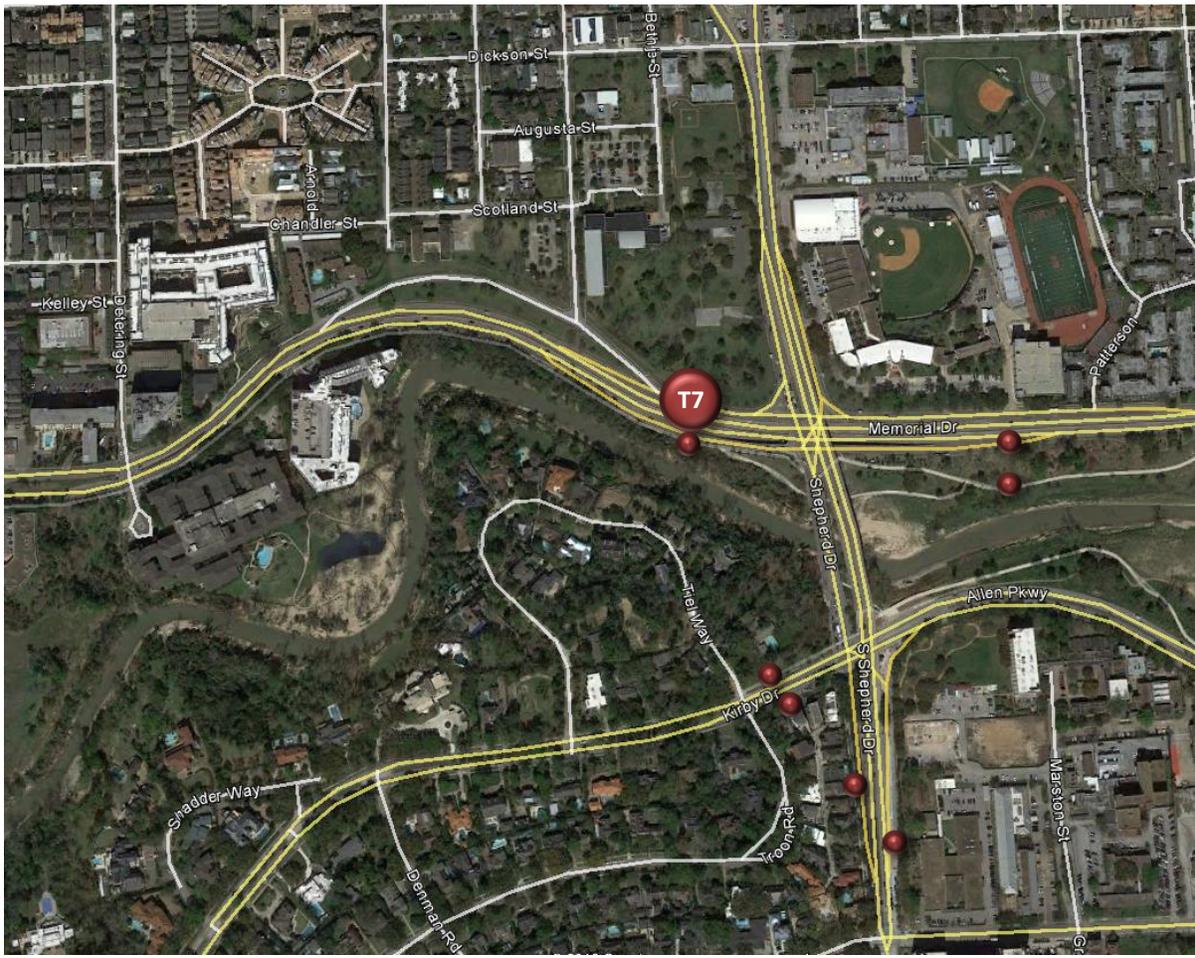
Counter T7

Memorial Drive Westbound: West of Shepherd Drive

| Location Information | |
|--|---|
| Location Name | Memorial Drive Westbound: West of Shepherd Drive |
| Location Description | Sidewalk along Memorial Drive Westbound West of Shepherd Drive |
| Jurisdiction | City of Houston |
| Agency Deployed | Houston-Galveston Area Council, Texas Transportation Institute |
| GPS Coordinates | 29°45'43.42"N, 95°24'37.00"W |
| Surrounding Land Uses | North Open Space, Institutional (Children's Center), Multi-Family Residential |
| | South Buffalo Bayou, Single-Family Residential |
| | East Open Space, St. Thomas High School, Buffalo Bayou Park |
| | West Open Space, Multi-Family Residential |
| What object was device secured to? | Sign Post (Lane Ends: Merge Right) |
| Sidewalk Width | 4' |
| Buffer Width | 5' |
| Street Width | Four-Lane Divided Roadway (+ entrance/exit ramps to Shepherd Drive) |
| Parallel Parking | No |
| Landscaping or Trees | Yes |
| Sidewalk Pavement Type | Concrete |
| ADA Ramps | Yes |
| Sidewalk Condition | Fair (Some Unevenness) |
| Speed Limit | 40 miles per hour |
| Street Lighting | Yes |
| Street Traffic Volume | 31,620 (4800 Memorial Drive: TxDOT – 2012) |
| Transit | Nearby (METRO Bus Stops about 400' East at Shepherd Drive/Memorial Drive) |
| Shade | No |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 133 users/day. • Usage tends to be higher during weekends (235 users/day) than on weekdays (74 users/day). • Usage was particularly high on Saturday, October 1, 2016 between 5:30 a.m. and 8:00 a.m., when 417 users passed the counter. High usage could have been associated with the Komen Race for the Cure, which was held on Saturday, October 1, 2016. Registration was from 6:30 a.m. to 8:00 a.m., and races began at 8:00 a.m. Activity was also high at Counter T8 during this time period, which was deployed on the opposite side of Memorial Drive. • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage is highest in the morning (6:00 a.m. – 7:00 a.m.). Usage was particularly high the morning of Saturday, October 1, 2016 (see note above). |

Location Information: Map



Location Information: Photos



Image 25: Sidewalk along Memorial Drive Westbound West of Shepherd Drive Facing East

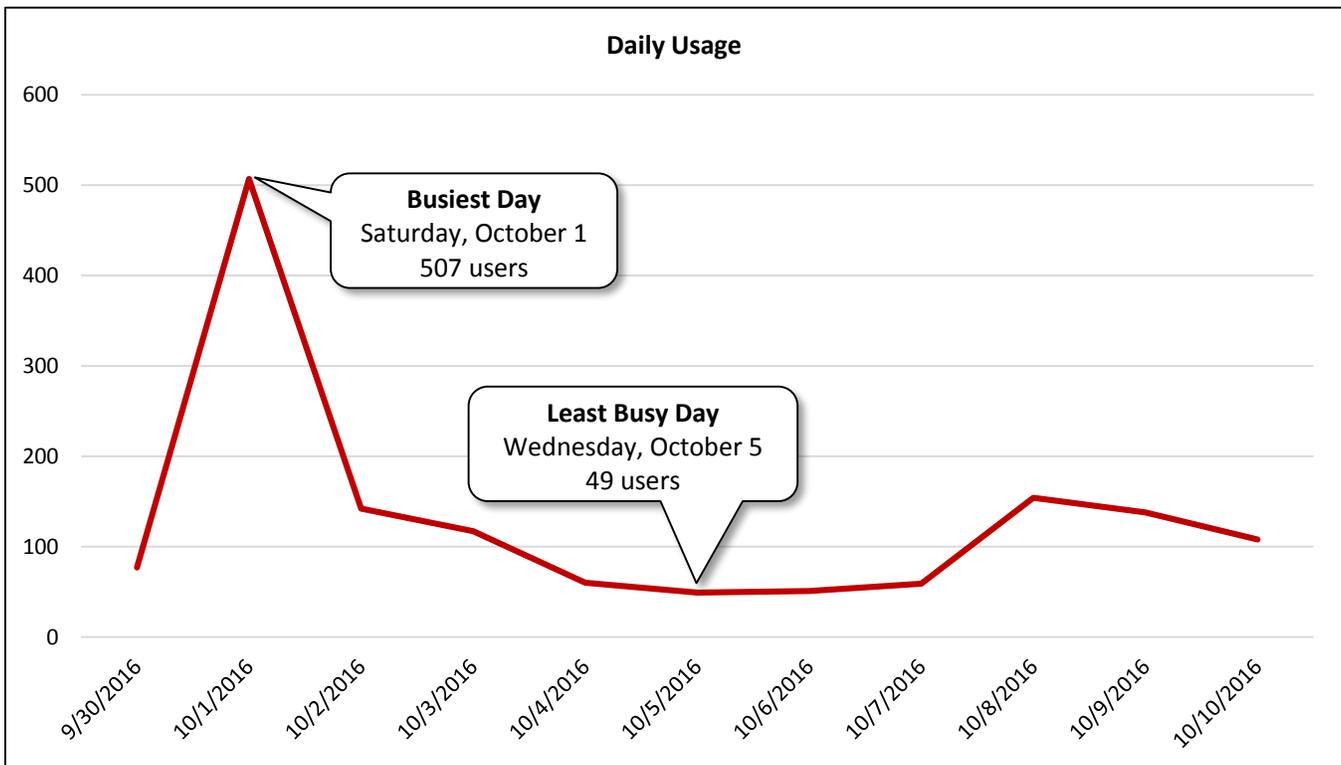


Image 26: Sidewalk along Memorial Drive Westbound West of Shepherd Drive Facing West

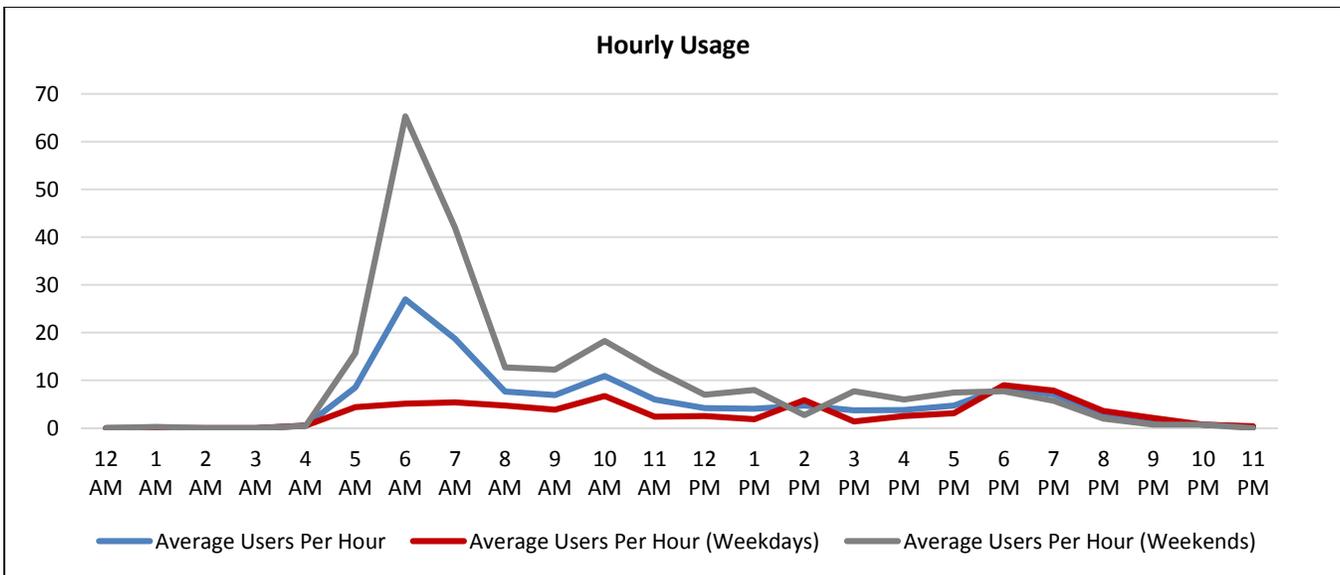
| Daily Usage | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Memorial Drive Westbound: West of Shepherd Drive | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 77 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 507 | 82 | 60 | T |
| Sunday, October 2, 2016 | 142 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 117 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 60 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 49 | 91 | 73 | T |
| Thursday, October 6, 2016 | 51 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 59 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 154 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 138 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 108 | 85 | 53 | 0 |

| | |
|--------------------------------------|-------|
| Total | 1,462 |
| Average Daily Usage | 133 |
| Average Daily Usage (Weekday) | 74 |
| Average Daily Usage (Weekend) | 235 |

*Weather conditions recorded at KHOU.



| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Memorial Drive Westbound: West of Shepherd 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. | 0.1 | 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. | 0.5 | 0.6 | 0.5 |
| 5:00 a.m. | 8.5 | 4.4 | 15.8 |
| 6:00 a.m. | 27.0 | 5.1 | 65.3 |
| 7:00 a.m. | 18.7 | 5.4 | 42.0 |
| 8:00 a.m. | 7.6 | 4.7 | 12.8 |
| 9:00 a.m. | 6.9 | 3.9 | 12.3 |
| 10:00 a.m. | 10.9 | 6.7 | 18.3 |
| 11:00 a.m. | 6.0 | 2.4 | 12.3 |
| 12:00 p.m. | 4.2 | 2.6 | 7.0 |
| 1:00 p.m. | 4.1 | 1.9 | 8.0 |
| 2:00 p.m. | 4.7 | 5.9 | 2.8 |
| 3:00 p.m. | 3.7 | 1.4 | 7.8 |
| 4:00 p.m. | 3.8 | 2.6 | 6.0 |
| 5:00 p.m. | 4.7 | 3.1 | 7.5 |
| 6:00 p.m. | 8.5 | 9.0 | 7.8 |
| 7:00 p.m. | 7.1 | 7.9 | 5.8 |
| 8:00 p.m. | 3.0 | 3.6 | 2.0 |
| 9:00 p.m. | 1.6 | 2.1 | 0.8 |
| 10:00 p.m. | 0.7 | 0.7 | 0.8 |
| 11:00 p.m. | 0.3 | 0.4 | 0.0 |



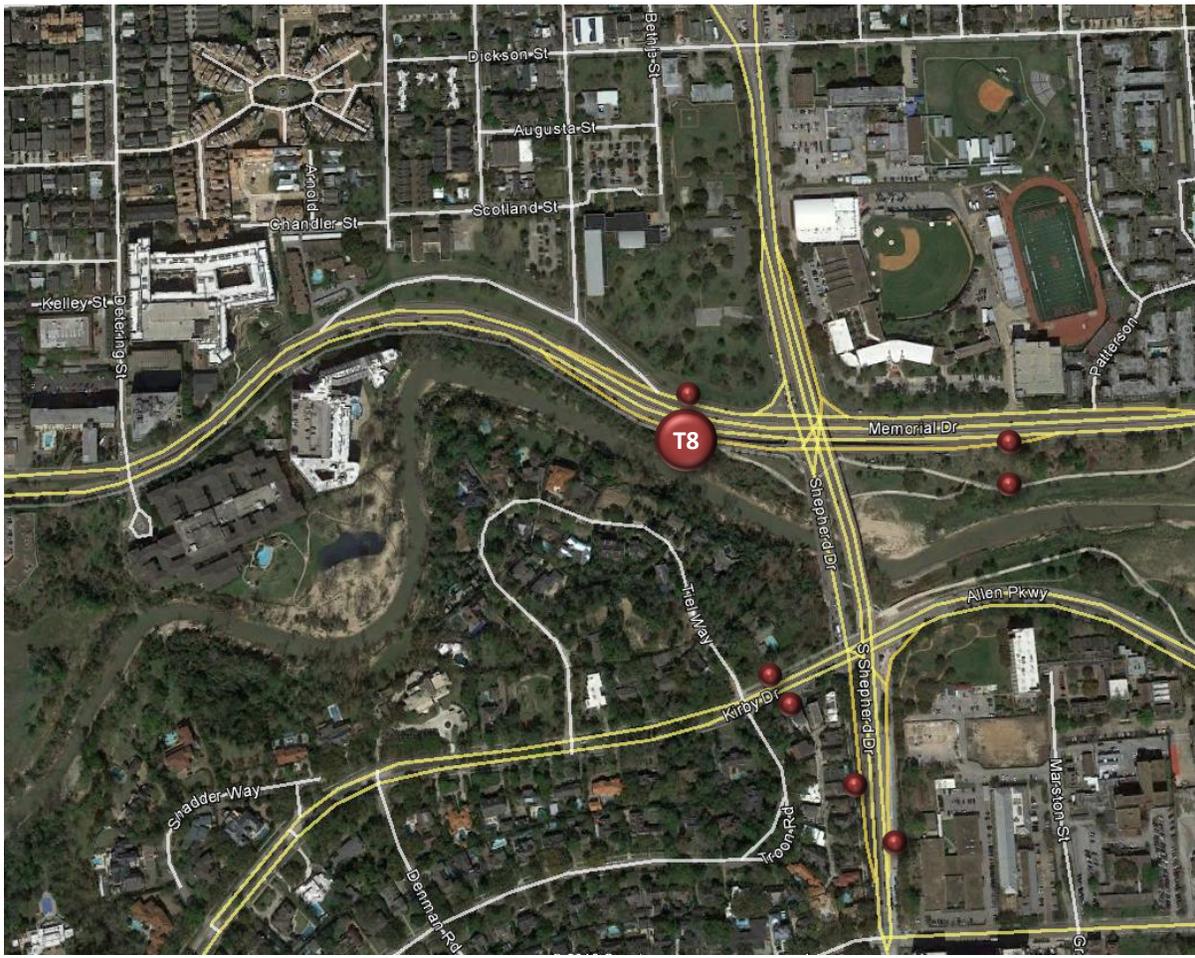
Counter T8

Memorial Drive Eastbound: West of Shepherd Drive

| Location Information | |
|--|---|
| Location Name | Memorial Drive Eastbound: West of Shepherd Drive |
| Location Description | Sidewalk along Memorial Drive Eastbound West of Shepherd Drive |
| Jurisdiction | City of Houston |
| Agency Deployed | Houston-Galveston Area Council, Texas Transportation Institute |
| GPS Coordinates | 29°45'42.31"N, 95°24'38.04"W |
| Surrounding Land Uses | North Open Space, Institutional (Children's Center), Multi-Family Residential |
| | South Buffalo Bayou, Single-Family Residential |
| | East Open Space, St. Thomas High School, Buffalo Bayou Park |
| | West Open Space, Multi-Family Residential |
| What object was device secured to? | Light Post (#211622) |
| Sidewalk Width | 4' |
| Buffer Width | 4.5' |
| Street Width | Four-Lane Divided Roadway (+ entrance/exit ramps to Shepherd Drive) |
| 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 | 31,620 (4800 Memorial Drive: TxDOT – 2012) |
| Transit | Nearby (METRO Bus Stops about 650' East at Shepherd Drive/Memorial Drive) |
| Shade | Intermittent |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 387 users/day. • Usage tends to be higher during weekends (761 users/day) than on weekdays (174 users/day). • Usage was particularly high on Saturday, October 1, 2016 between 5:30 a.m. and 9:00 a.m., when 401 users passed the counter. High usage could have been associated with the Komen Race for the Cure, which was held on Saturday, October 1, 2016. Registration was from 6:30 a.m. to 8:00 a.m., and races began at 8:00 a.m. Activity was also high at Counter T7 during this time period, which was deployed on the opposite side of Memorial Drive. • On weekdays, usage is highest in the evening (6:00 p.m. – 8:00 p.m.). • During weekends, usage is highest in the morning (7:00 a.m. – 10:00 a.m.). Usage was particularly high the morning of Saturday, October 1, 2016 (see note above). |

Location Information: Map



Location Information: Photos



Image 27: Sidewalk along Memorial Drive Eastbound West of Shepherd Drive Facing East

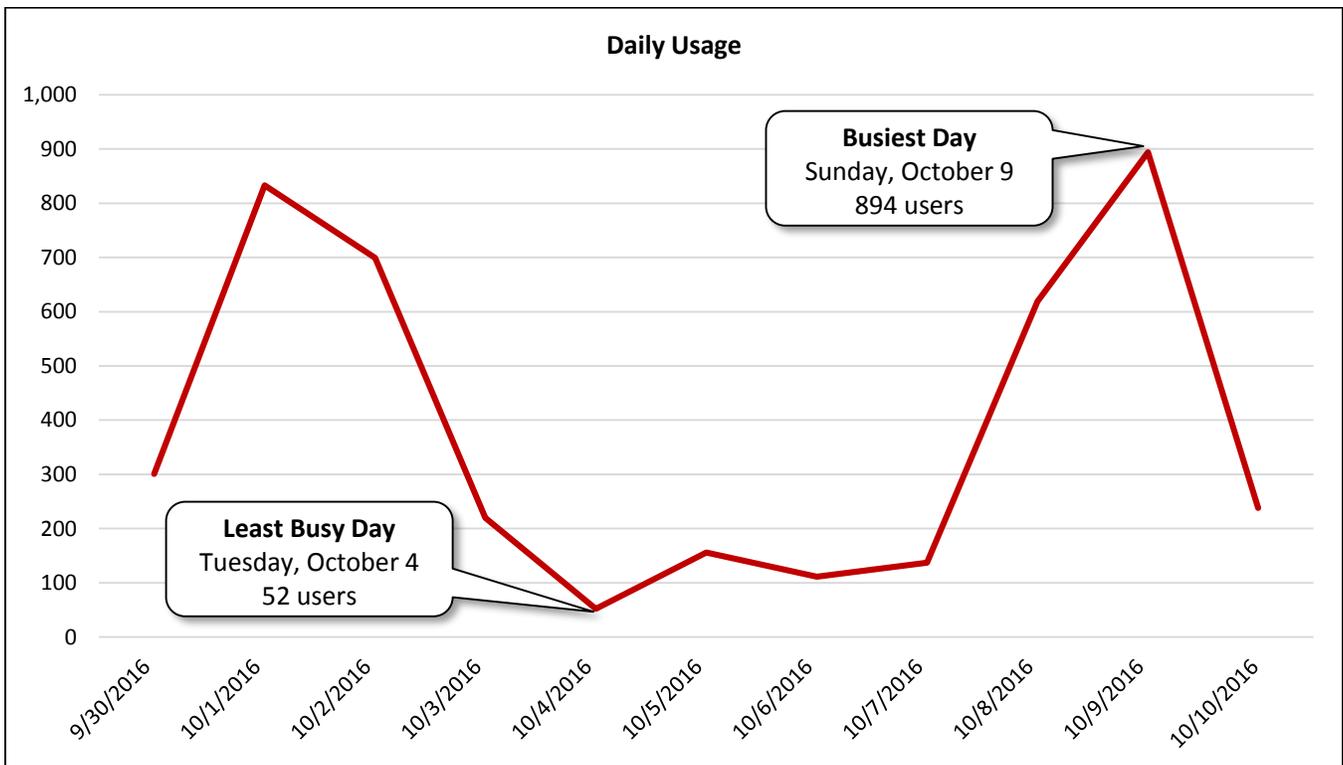


Image 28: Sidewalk along Memorial Drive Eastbound West of Shepherd Drive Facing West

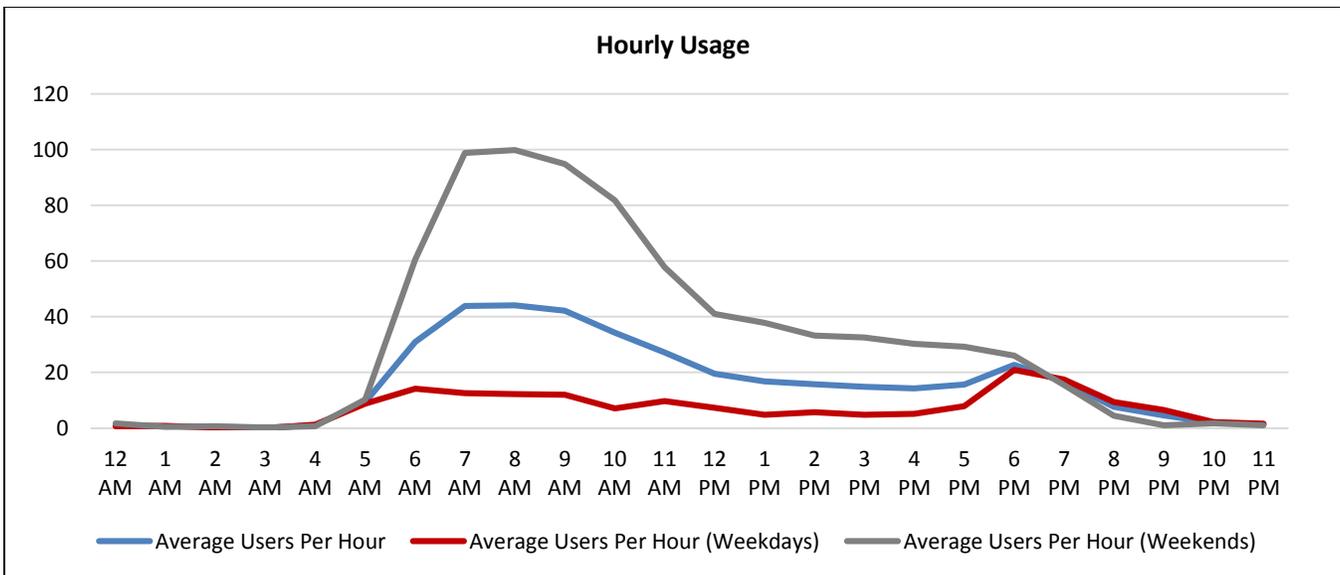
| Daily Usage | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Memorial Drive Eastbound: West of Shepherd Drive | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 301 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 833 | 82 | 60 | T |
| Sunday, October 2, 2016 | 699 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 220 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 52 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 156 | 91 | 73 | T |
| Thursday, October 6, 2016 | 111 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 137 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 619 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 894 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 238 | 85 | 53 | 0 |

| | |
|--------------------------------------|-------|
| Total | 4,260 |
| Average Daily Usage | 387 |
| Average Daily Usage (Weekday) | 174 |
| Average Daily Usage (Weekend) | 761 |

*Weather conditions recorded at KHOU.



| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Memorial Drive Eastbound: West of Shepherd Drive | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 1.1 | 0.7 | 1.8 |
| 1:00 a.m. | 0.7 | 0.9 | 0.5 |
| 2:00 a.m. | 0.5 | 0.3 | 0.8 |
| 3:00 a.m. | 0.1 | 0.0 | 0.3 |
| 4:00 a.m. | 1.1 | 1.3 | 0.8 |
| 5:00 a.m. | 9.4 | 8.9 | 10.3 |
| 6:00 a.m. | 31.0 | 14.1 | 60.5 |
| 7:00 a.m. | 43.9 | 12.6 | 98.8 |
| 8:00 a.m. | 44.1 | 12.3 | 99.8 |
| 9:00 a.m. | 42.1 | 12.0 | 94.8 |
| 10:00 a.m. | 34.3 | 7.1 | 81.8 |
| 11:00 a.m. | 27.2 | 9.7 | 57.8 |
| 12:00 p.m. | 19.5 | 7.3 | 41.0 |
| 1:00 p.m. | 16.8 | 4.9 | 37.8 |
| 2:00 p.m. | 15.7 | 5.7 | 33.3 |
| 3:00 p.m. | 14.9 | 4.9 | 32.5 |
| 4:00 p.m. | 14.3 | 5.1 | 30.3 |
| 5:00 p.m. | 15.6 | 7.9 | 29.3 |
| 6:00 p.m. | 22.7 | 20.9 | 26.0 |
| 7:00 p.m. | 16.7 | 17.4 | 15.5 |
| 8:00 p.m. | 7.6 | 9.4 | 4.5 |
| 9:00 p.m. | 4.5 | 6.6 | 1.0 |
| 10:00 p.m. | 2.0 | 2.1 | 1.8 |
| 11:00 p.m. | 1.4 | 1.6 | 1.0 |



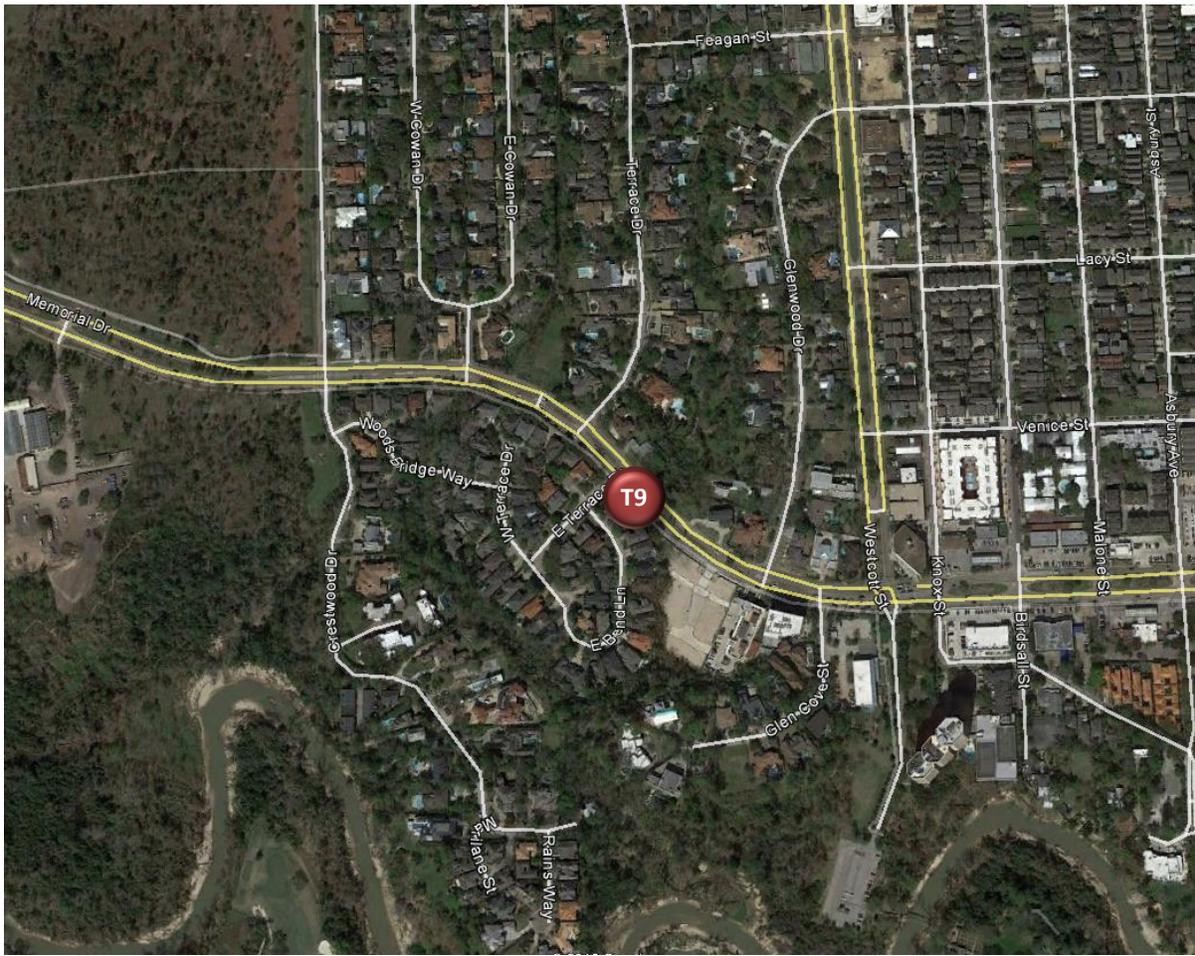
Counter T9

Memorial Drive Eastbound at East Terrace Drive

| Location Information | | |
|--|---|---|
| Location Name | Memorial Drive Eastbound at East Terrace Drive | |
| Location Description | Sidewalk along Memorial Drive Eastbound East of East Terrace Drive | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'44.38"N, 95°25'27.03"W | |
| Surrounding Land Uses | North | Single-Family Residential |
| | South | Single-Family Residential |
| | East | Single-Family Residential, Multi-Family Residential, Office |
| | West | Single-Family Residential, Memorial Park |
| What object was device secured to? | Sign Post (No Parking) | |
| Sidewalk Width | 6' | |
| Buffer Width | 2' | |
| 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 | 35 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | 48,678 (5650 Memorial Drive: City of Houston – 2009) | |
| Transit | Nearby (METRO Bus Stop 200' East along Memorial Drive Eastbound) | |
| Shade | Intermittent | |
| Have counts been collected by H-GAC at this location before? | No | |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 171 users/day. • Usage tends to be significantly higher during weekends (309 users/day) than on weekdays (92 users/day). • On weekdays, usage is highest midday (11:00 a.m. – 12:00 p.m.). • During weekends, usage is highest in the morning (6:00 a.m. – 10:00 a.m.). Usage is particularly high on Saturday mornings. |

Location Information: Map



Location Information: Photos



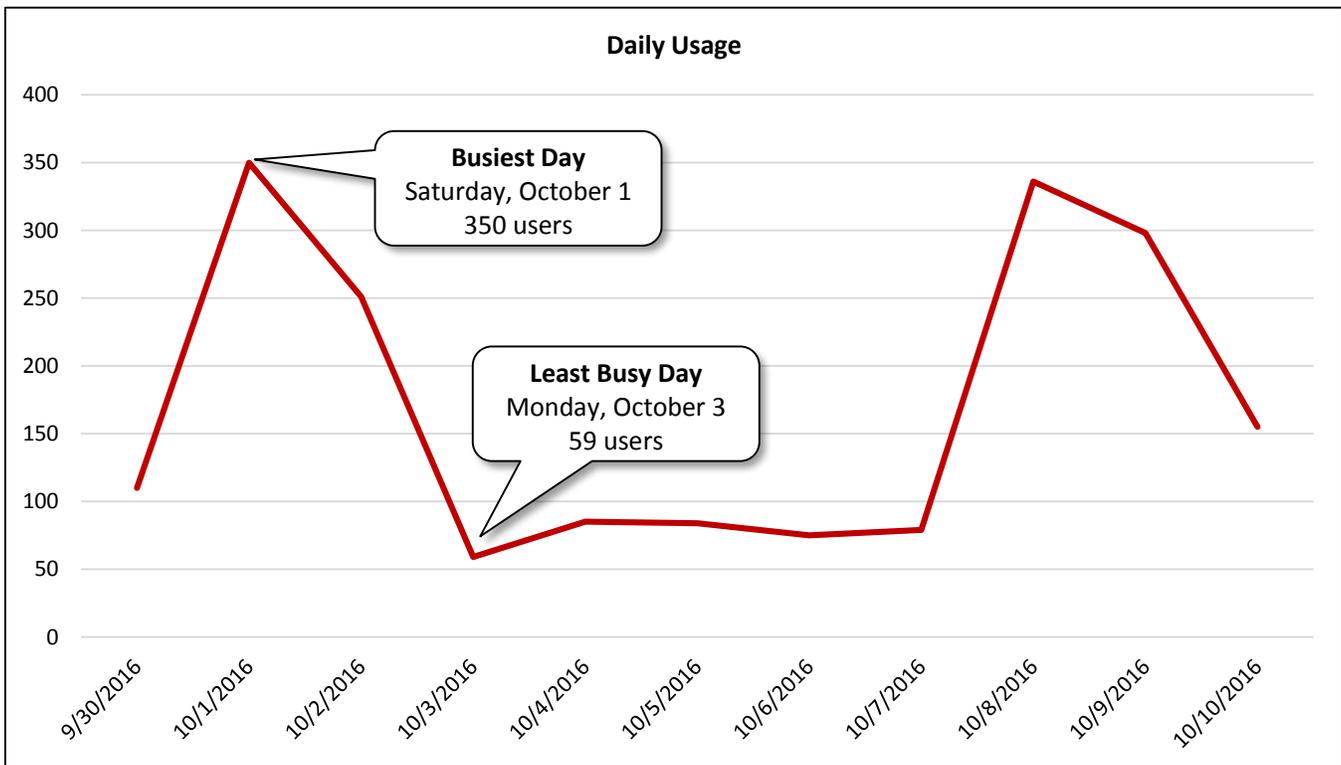
Image 29: Sidewalk along Memorial Drive Eastbound at East Terrace Drive Facing East



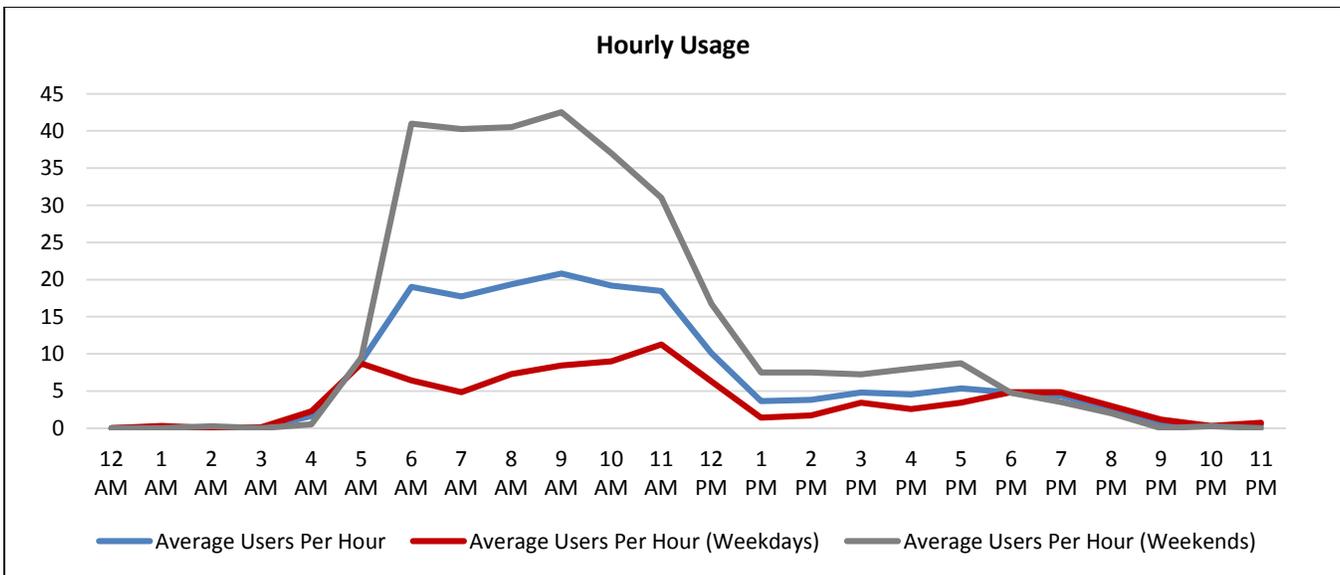
Image 30: Sidewalk along Memorial Drive Eastbound at East Terrace Drive Facing West

| Daily Usage Memorial Drive Eastbound at East Terrace Drive | | | | |
|--|--------------|-----------------------|----------------------|------------------------|
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 110 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 350 | 82 | 60 | T |
| Sunday, October 2, 2016 | 251 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 59 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 85 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 84 | 91 | 73 | T |
| Thursday, October 6, 2016 | 75 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 79 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 336 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 298 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 155 | 85 | 53 | 0 |
| Total | 1,882 | | | |
| Average Daily Usage | 171 | | | |
| Average Daily Usage (Weekday) | 92 | | | |
| Average Daily Usage (Weekend) | 309 | | | |

*Weather conditions recorded at KHOU.



| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Memorial Drive Eastbound at East Terrace 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. | 0.2 | 0.3 | 0.0 |
| 2:00 a.m. | 0.1 | 0.0 | 0.3 |
| 3:00 a.m. | 0.1 | 0.1 | 0.0 |
| 4:00 a.m. | 1.6 | 2.3 | 0.5 |
| 5:00 a.m. | 9.0 | 8.7 | 9.5 |
| 6:00 a.m. | 19.0 | 6.4 | 41.0 |
| 7:00 a.m. | 17.7 | 4.9 | 40.3 |
| 8:00 a.m. | 19.4 | 7.3 | 40.5 |
| 9:00 a.m. | 20.8 | 8.4 | 42.5 |
| 10:00 a.m. | 19.2 | 9.0 | 37.0 |
| 11:00 a.m. | 18.5 | 11.3 | 31.0 |
| 12:00 p.m. | 10.1 | 6.3 | 16.8 |
| 1:00 p.m. | 3.6 | 1.4 | 7.5 |
| 2:00 p.m. | 3.8 | 1.7 | 7.5 |
| 3:00 p.m. | 4.8 | 3.4 | 7.3 |
| 4:00 p.m. | 4.5 | 2.6 | 8.0 |
| 5:00 p.m. | 5.4 | 3.4 | 8.8 |
| 6:00 p.m. | 4.8 | 4.9 | 4.8 |
| 7:00 p.m. | 4.4 | 4.9 | 3.5 |
| 8:00 p.m. | 2.6 | 3.0 | 2.0 |
| 9:00 p.m. | 0.7 | 1.1 | 0.0 |
| 10:00 p.m. | 0.3 | 0.3 | 0.3 |
| 11:00 p.m. | 0.5 | 0.7 | 0.0 |



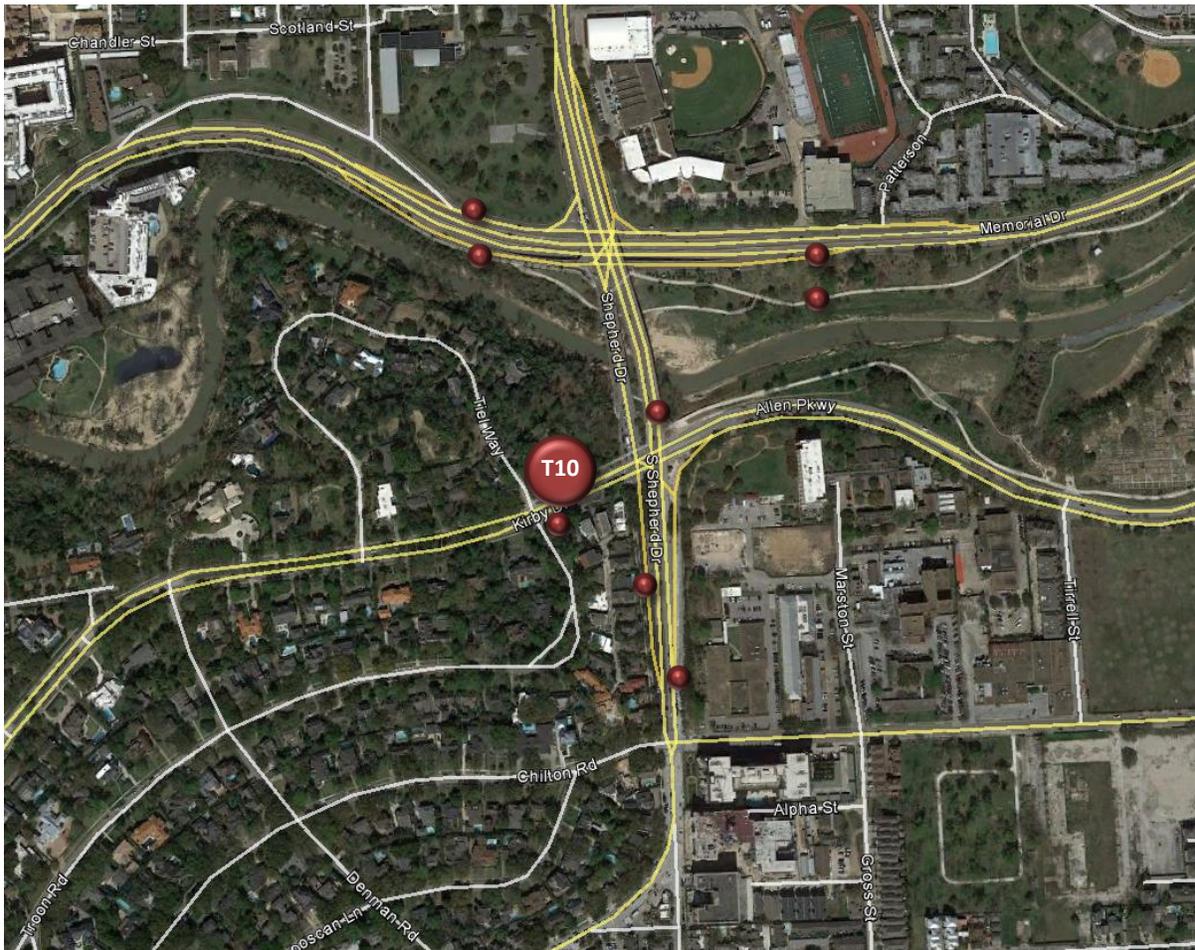
Counter T10

Kirby Drive Southbound: West of Shepherd Drive

| Location Information | | |
|--|---|---|
| Location Name | Kirby Drive Southbound: West of Shepherd Drive | |
| Location Description | Sidewalk along Kirby Drive Southbound West of Shepherd Drive | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Houston-Galveston Area Council, Texas Transportation Institute | |
| GPS Coordinates | 29°45'33.83"N, 95°24'34.18"W | |
| Surrounding Land Uses | North | Single-Family Residential, Buffalo Bayou Park |
| | South | Single-Family Residential, Institutional (The Center), Multi-Family Residential |
| | East | Single-Family Residential, Buffalo Bayou Park, Autry Park, Institutional (The Center) |
| | West | Single-Family Residential |
| What object was device secured to? | Sign Post (Speed Limit) | |
| Sidewalk Width | 5' | |
| Buffer Width | 7' | |
| Street Width | Four-Lane Divided Roadway | |
| Parallel Parking | No | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | 35 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | 28,840 (800 Kirby Drive: TxDOT – 2012) | |
| Transit | Nearby (METRO Bus Stop 150' East along Kirby Drive Northbound) | |
| Shade | Intermittent | |
| Have counts been collected by H-GAC at this location before? | No | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 237 users/day. • Usage tends to be significantly higher during weekends (384 users/day) than on weekdays (153 users/day). • Usage was particularly high on Saturday, October 1, 2016 between 6:00 a.m. and 8:00 a.m., when 306 users passed the counter. High usage could have been associated with the Komen Race for the Cure, which was held on Saturday, October 1, 2016. Registration was from 6:30 a.m. to 8:00 a.m., and races began at 8:00 a.m. • On weekdays, usage is highest in the morning (6:00 a.m. – 7:00 a.m.). There is also an increase in usage during the evening hours (5:00 p.m. – 7:00 p.m.). • During weekends, usage is highest in the morning (6:00 a.m. – 8:00 a.m.). Usage was particularly high the morning of Saturday, October 1, 2016 (see note above). |

Location Information: Map



Location Information: Photos



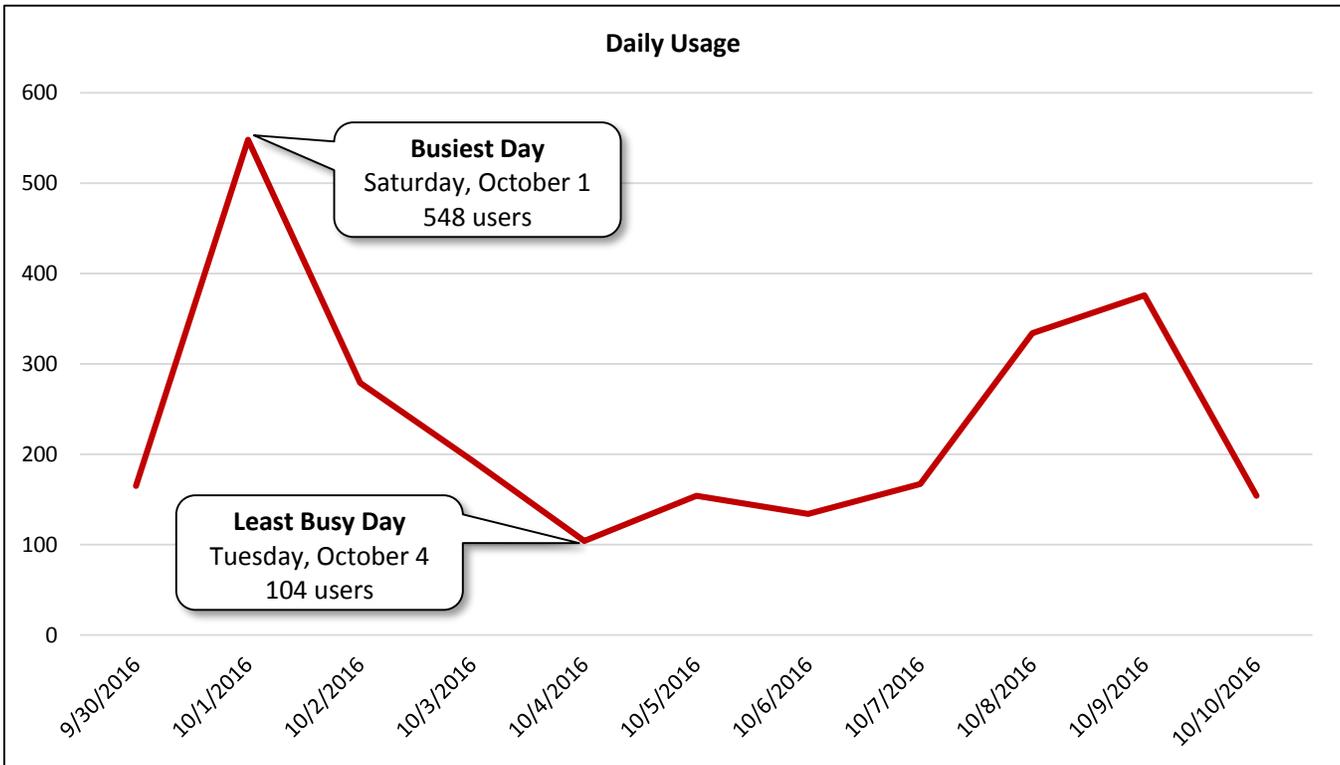
Image 31: Sidewalk along Kirby Drive Southbound West of Shepherd Drive Facing East/North



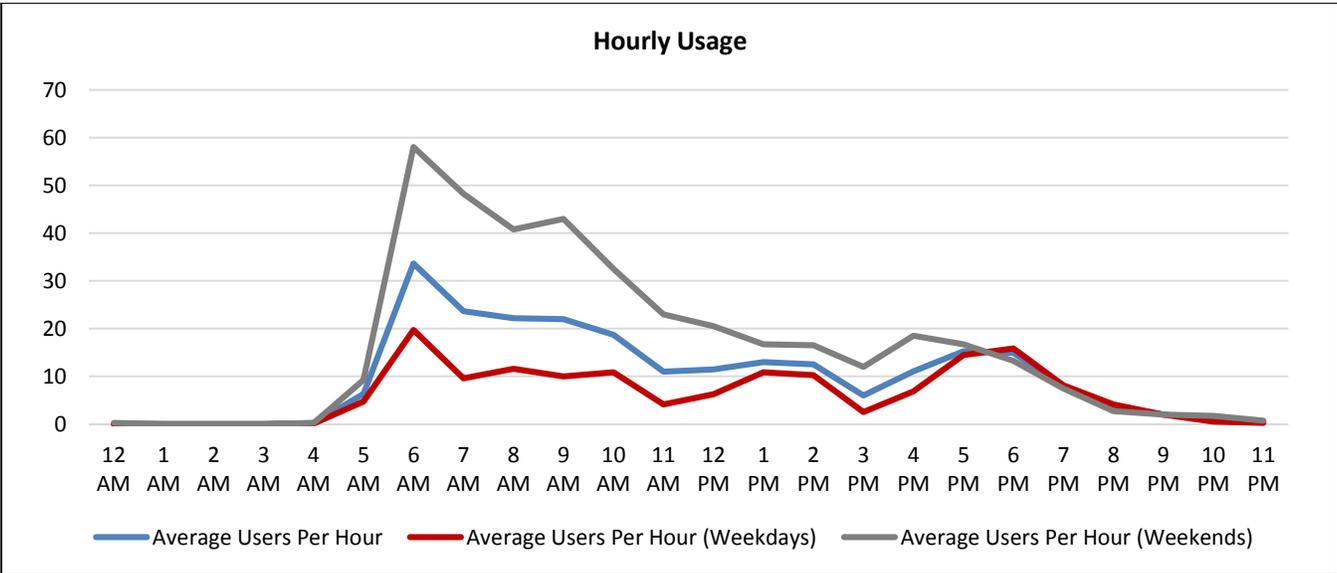
Image 32: Sidewalk along Kirby Drive Southbound West of Shepherd Drive Facing West/South

| Daily Usage | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Kirby Drive Southbound: West of Shepherd Drive | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 165 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 548 | 82 | 60 | T |
| Sunday, October 2, 2016 | 279 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 193 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 104 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 154 | 91 | 73 | T |
| Thursday, October 6, 2016 | 134 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 167 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 334 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 376 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 154 | 85 | 53 | 0 |
| Total | 2,608 | | | |
| Average Daily Usage | 237 | | | |
| Average Daily Usage (Weekday) | 153 | | | |
| Average Daily Usage (Weekend) | 384 | | | |

*Weather conditions recorded at KHOU.



| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Kirby Drive Southbound: West of Shepherd Drive | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 0.1 | 0.0 | 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. | 0.2 | 0.1 | 0.3 |
| 5:00 a.m. | 6.4 | 4.7 | 9.3 |
| 6:00 a.m. | 33.6 | 19.7 | 58.0 |
| 7:00 a.m. | 23.6 | 9.6 | 48.3 |
| 8:00 a.m. | 22.2 | 11.6 | 40.8 |
| 9:00 a.m. | 22.0 | 10.0 | 43.0 |
| 10:00 a.m. | 18.7 | 10.9 | 32.5 |
| 11:00 a.m. | 11.0 | 4.1 | 23.0 |
| 12:00 p.m. | 11.5 | 6.3 | 20.5 |
| 1:00 p.m. | 13.0 | 10.9 | 16.8 |
| 2:00 p.m. | 12.5 | 10.3 | 16.5 |
| 3:00 p.m. | 6.0 | 2.6 | 12.0 |
| 4:00 p.m. | 11.1 | 6.9 | 18.5 |
| 5:00 p.m. | 15.3 | 14.4 | 16.8 |
| 6:00 p.m. | 14.9 | 15.9 | 13.3 |
| 7:00 p.m. | 7.9 | 8.1 | 7.5 |
| 8:00 p.m. | 3.6 | 4.1 | 2.8 |
| 9:00 p.m. | 2.0 | 2.0 | 2.0 |
| 10:00 p.m. | 1.0 | 0.6 | 1.8 |
| 11:00 p.m. | 0.5 | 0.3 | 0.8 |



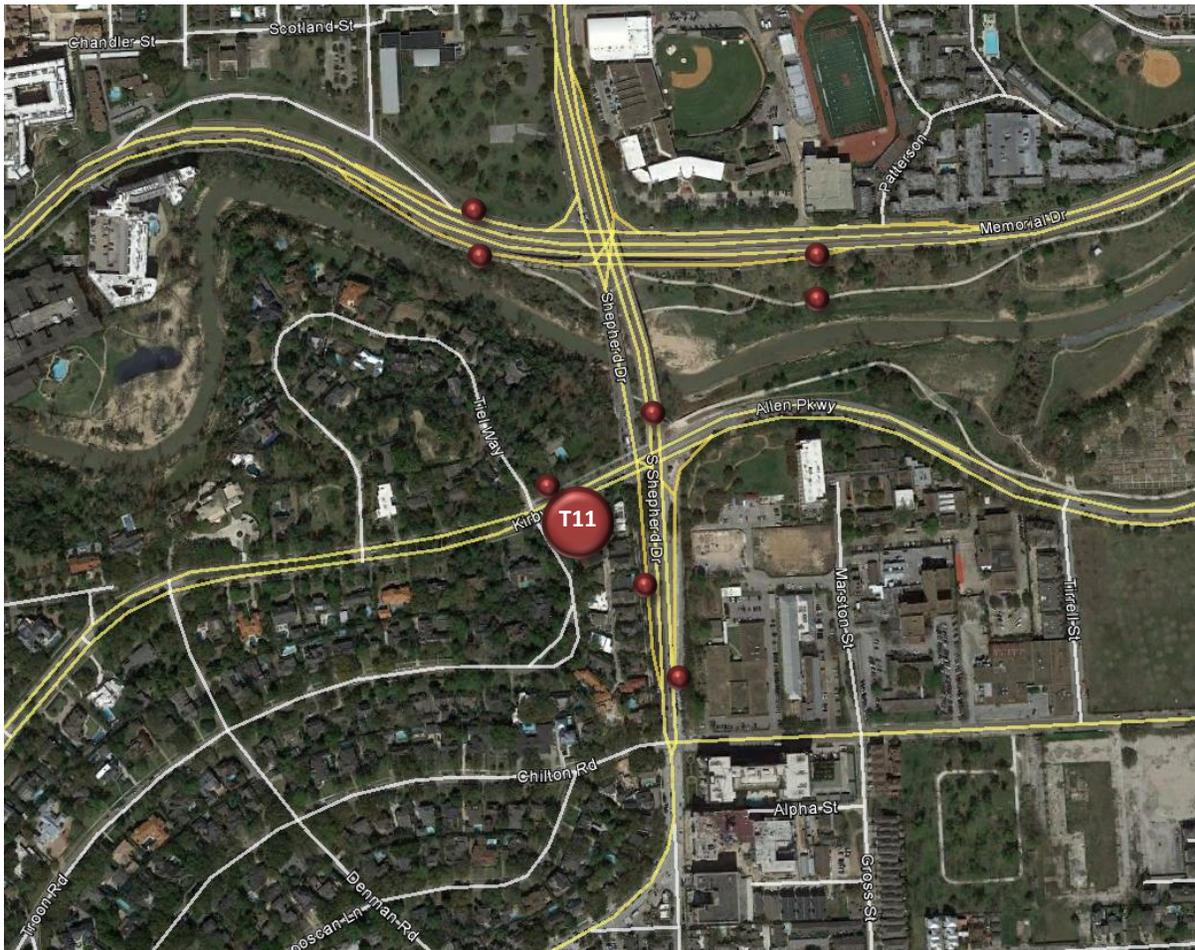
Counter T11

Kirby Drive Northbound: West of Shepherd Drive

| Location Information | | |
|--|--|---|
| Location Name | Kirby Drive Northbound: West of Shepherd Drive | |
| Location Description | Sidewalk along Kirby Drive Northbound West of Shepherd Drive | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Houston-Galveston Area Council/Texas Transportation Institute | |
| GPS Coordinates | 29°45'33.47"N, 95°24'33.72"W | |
| Surrounding Land Uses | North | Single-Family Residential, Buffalo Bayou Park |
| | South | Single-Family Residential, Institutional (The Center), Multi-Family Residential |
| | East | Single-Family Residential, Buffalo Bayou Park, Autry Park, Institutional (The Center) |
| | West | Single-Family Residential |
| What object was device secured to? | Light Post (#201453) | |
| Sidewalk Width | 5' | |
| Buffer Width | 5' | |
| Street Width | Four-Lane Divided Roadway | |
| Parallel Parking | No | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | 35 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | 28,840 (800 Kirby Drive: TxDOT – 2012) | |
| Transit | Nearby (METRO Bus Stop 90' East along Kirby Drive Northbound) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | No | |

| Trends |
|---|
| <ul style="list-style-type: none"> • Average daily usage is 64 users/day. • Usage tends to be higher during weekends (86 users/day) than on weekdays (52 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 7:00 p.m.). • During weekends, usage is highest in the late morning (10:00 a.m. – 11:00 a.m.). |

Location Information: Map



Location Information: Photos



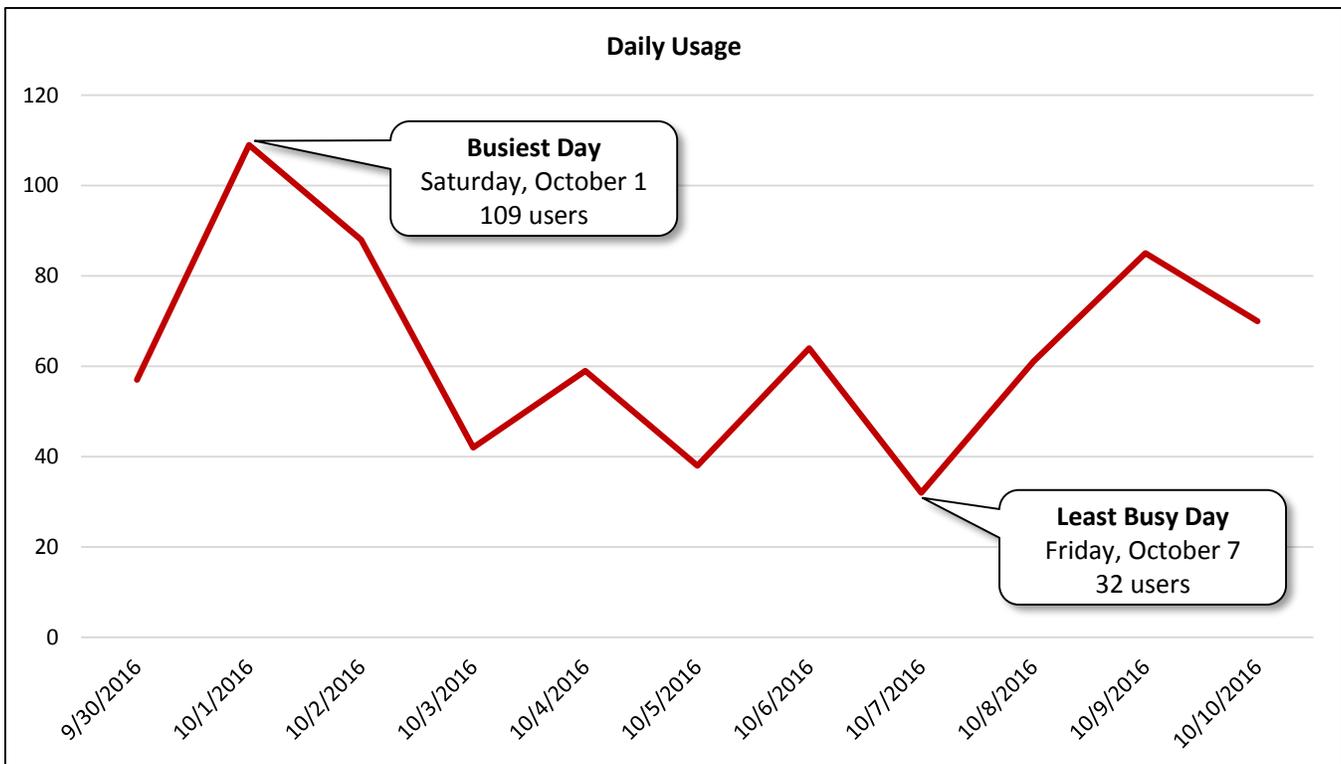
Image 33: Sidewalk along Kirby Drive Northbound West of Shepherd Drive Facing East/North



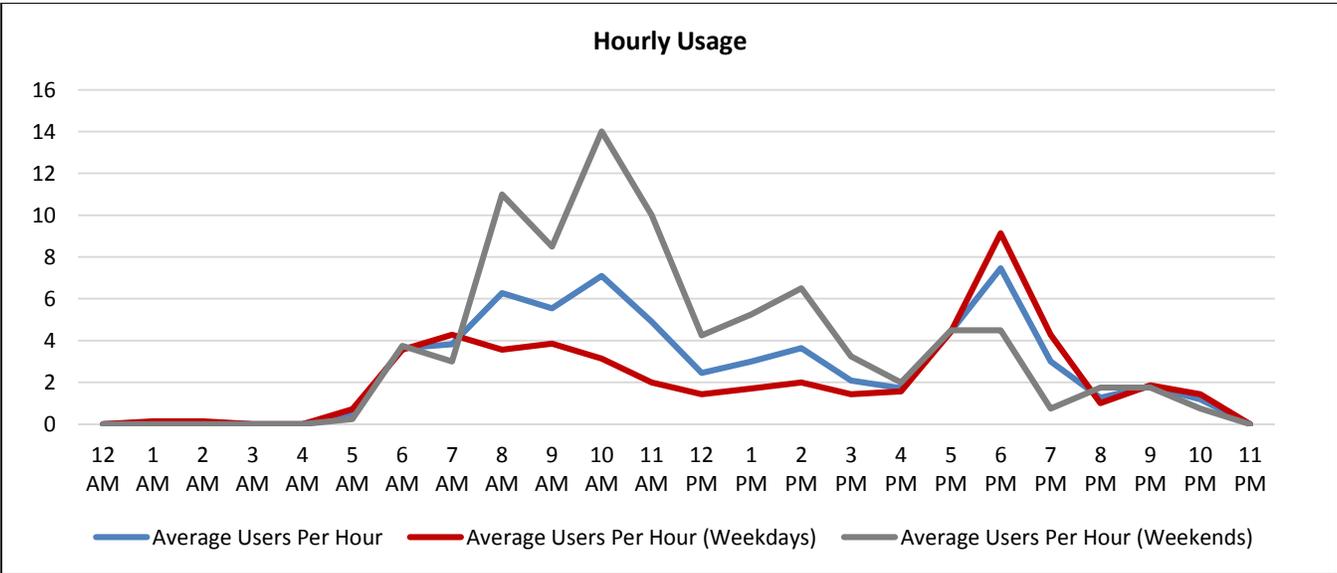
Image 34: Sidewalk along Kirby Drive Northbound West of Shepherd Drive Facing West/South

| Daily Usage | | | | |
|--|-------|-----------------------|----------------------|------------------------|
| Kirby Drive Northbound: West of Shepherd Drive | | | | |
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 57 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 109 | 82 | 60 | T |
| Sunday, October 2, 2016 | 88 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 42 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 59 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 38 | 91 | 73 | T |
| Thursday, October 6, 2016 | 64 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 32 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 61 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 85 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 70 | 85 | 53 | 0 |
| Total | 705 | | | |
| Average Daily Usage | 64 | | | |
| Average Daily Usage (Weekday) | 52 | | | |
| Average Daily Usage (Weekend) | 86 | | | |

*Weather conditions recorded at KHOU.



| Hourly Usage | | | |
|--|-------------------------------|--|--|
| Kirby Drive Northbound: West of Shepherd 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. | 0.1 | 0.1 | 0.0 |
| 2:00 a.m. | 0.1 | 0.1 | 0.0 |
| 3:00 a.m. | 0.0 | 0.0 | 0.0 |
| 4:00 a.m. | 0.0 | 0.0 | 0.0 |
| 5:00 a.m. | 0.5 | 0.7 | 0.3 |
| 6:00 a.m. | 3.6 | 3.6 | 3.8 |
| 7:00 a.m. | 3.8 | 4.3 | 3.0 |
| 8:00 a.m. | 6.3 | 3.6 | 11.0 |
| 9:00 a.m. | 5.5 | 3.9 | 8.5 |
| 10:00 a.m. | 7.1 | 3.1 | 14.0 |
| 11:00 a.m. | 4.9 | 2.0 | 10.0 |
| 12:00 p.m. | 2.5 | 1.4 | 4.3 |
| 1:00 p.m. | 3.0 | 1.7 | 5.3 |
| 2:00 p.m. | 3.6 | 2.0 | 6.5 |
| 3:00 p.m. | 2.1 | 1.4 | 3.3 |
| 4:00 p.m. | 1.7 | 1.6 | 2.0 |
| 5:00 p.m. | 4.5 | 4.4 | 4.5 |
| 6:00 p.m. | 7.5 | 9.1 | 4.5 |
| 7:00 p.m. | 3.0 | 4.3 | 0.8 |
| 8:00 p.m. | 1.3 | 1.0 | 1.8 |
| 9:00 p.m. | 1.8 | 1.9 | 1.8 |
| 10:00 p.m. | 1.2 | 1.4 | 0.8 |
| 11:00 p.m. | 0.0 | 0.0 | 0.0 |



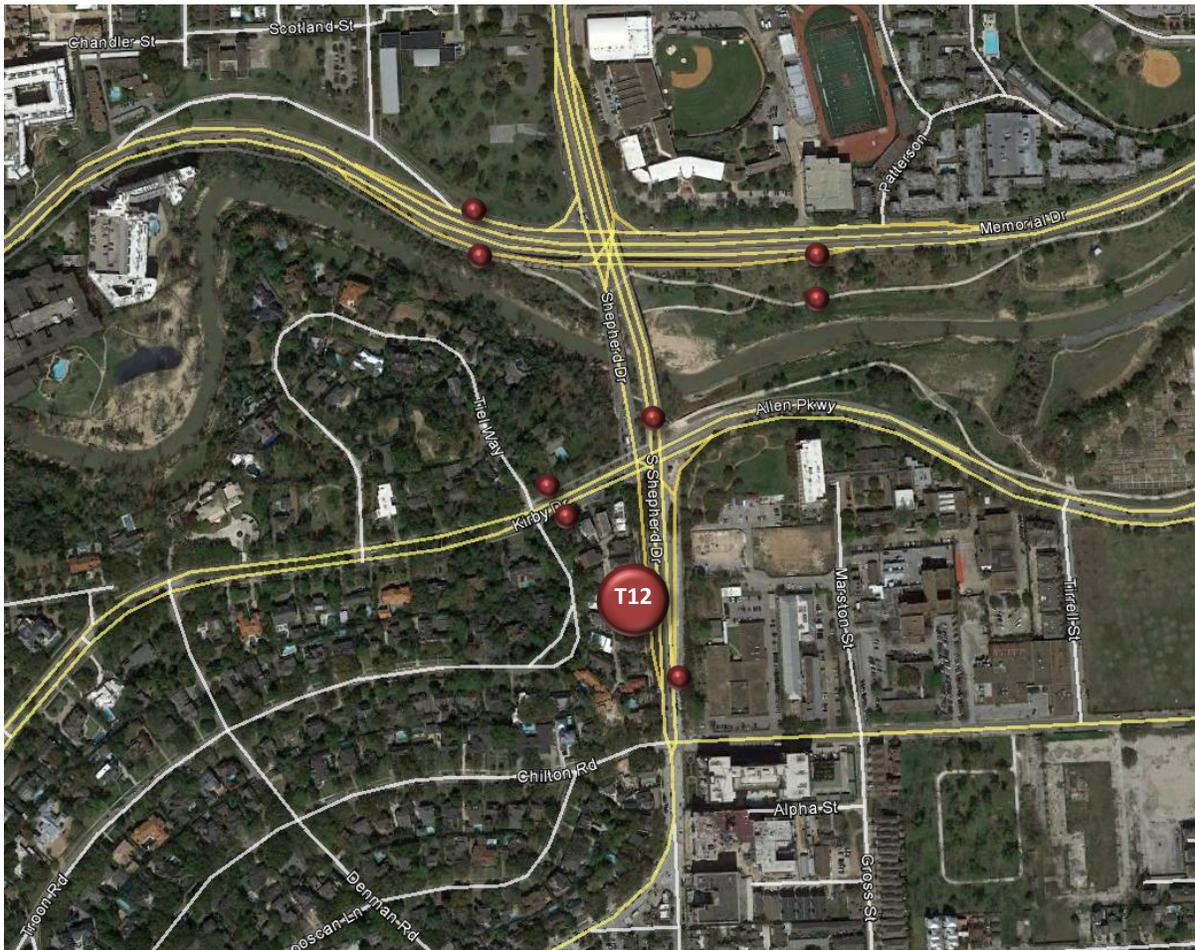
Counter T12

Shepherd Drive Southbound: South of Kirby Drive/Allen Parkway

| Location Information | |
|--|---|
| Location Name | Shepherd Drive Southbound: South of Kirby Drive/Allen Parkway |
| Location Description | Sidewalk along Shepherd Drive Southbound (Entrance Ramp) South of Kirby Drive/Allen Parkway |
| Jurisdiction | City of Houston |
| Agency Deployed | Houston-Galveston Area Council, Texas Transportation Institute |
| GPS Coordinates | 29°45'30.35"N, 95°24'31.15"W |
| Surrounding Land Uses | North Single-Family Residential, Institutional (The Center), Autry Park, Buffalo Bayou Park |
| | South Single-Family Residential, Multi-Family Residential, Commercial/Retail |
| | East Institutional (The Center), Multi-Family Residential |
| | West Single-Family Residential |
| What object was device secured to? | Sign Post (Yield Ahead) |
| Sidewalk Width | 4' |
| Buffer Width | 8' |
| Street Width | Four-Lane Divided Roadway (+ entrance/exit ramps to Shepherd Drive) |
| Parallel Parking | No |
| Landscaping or Trees | Yes |
| Sidewalk Pavement Type | Concrete |
| ADA Ramps | Yes |
| Sidewalk Condition | Good |
| Speed Limit | 35 miles per hour |
| Street Lighting | Yes |
| Street Traffic Volume | 33,710 (1010 S. Shepherd Drive: City of Houston – 2009) |
| Transit | Nearby (METRO Bus Stop 150' North along Shepherd Drive) |
| Shade | Intermittent |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 104 users/day. • Usage tends to be higher during weekends (189 users/day) than on weekdays (56 users/day). • There was unusually high usage on Sunday, October 9, 2016, especially between 10:00 a.m. and 12:00 p.m. During that period, 238 users passed Counter T12. • On weekdays, usage is highest in the late morning (10:00 a.m. – 11:00 a.m.). • During weekends, usage is highest in the late morning (10:00 a.m. – 11:00 a.m.). This could be skewed by unusually high usage on Sunday, October 9, 2016 during that period (see note above). |

Location Information: Map



Location Information: Photos



Image 35: Sidewalk along Shepherd Drive Southbound South of Kirby Drive/Allen Parkway Facing North

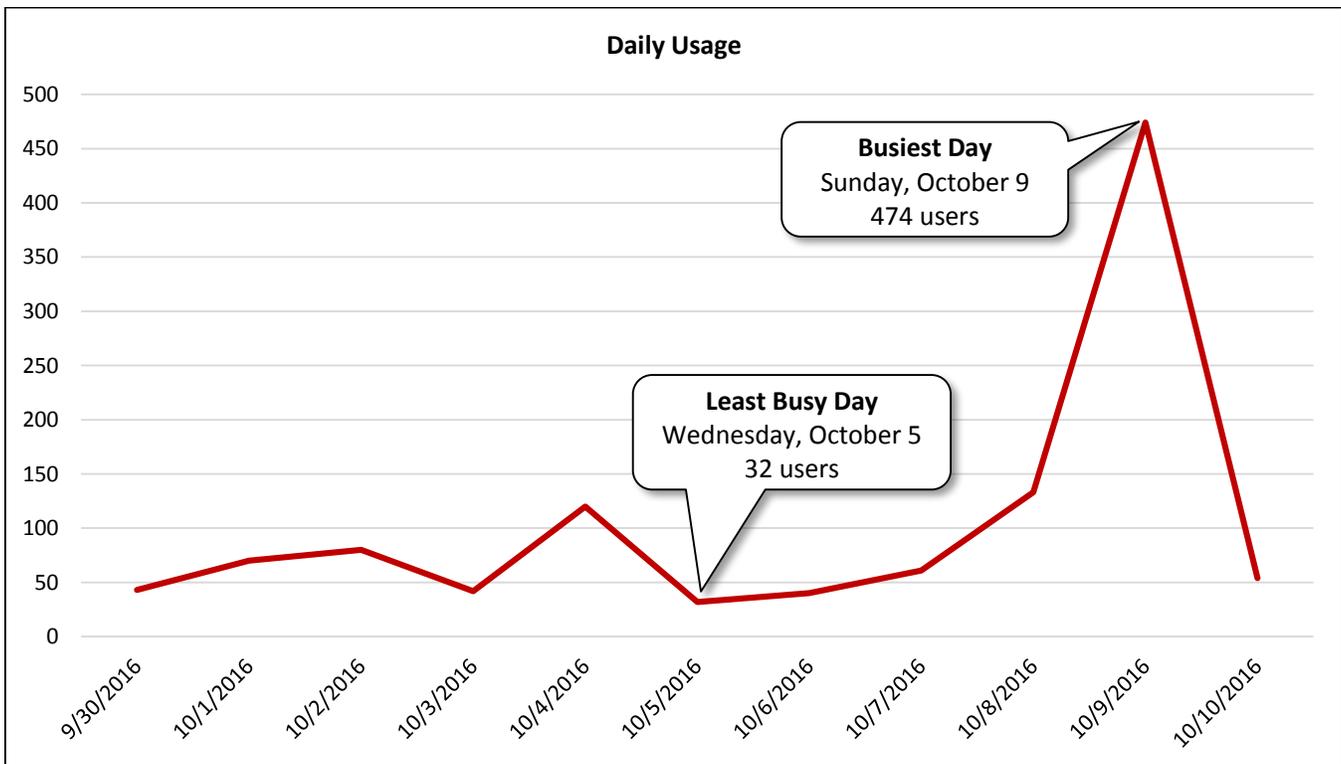


Image 36: Sidewalk along Shepherd Drive Southbound South of Kirby Drive/Allen Parkway Facing South

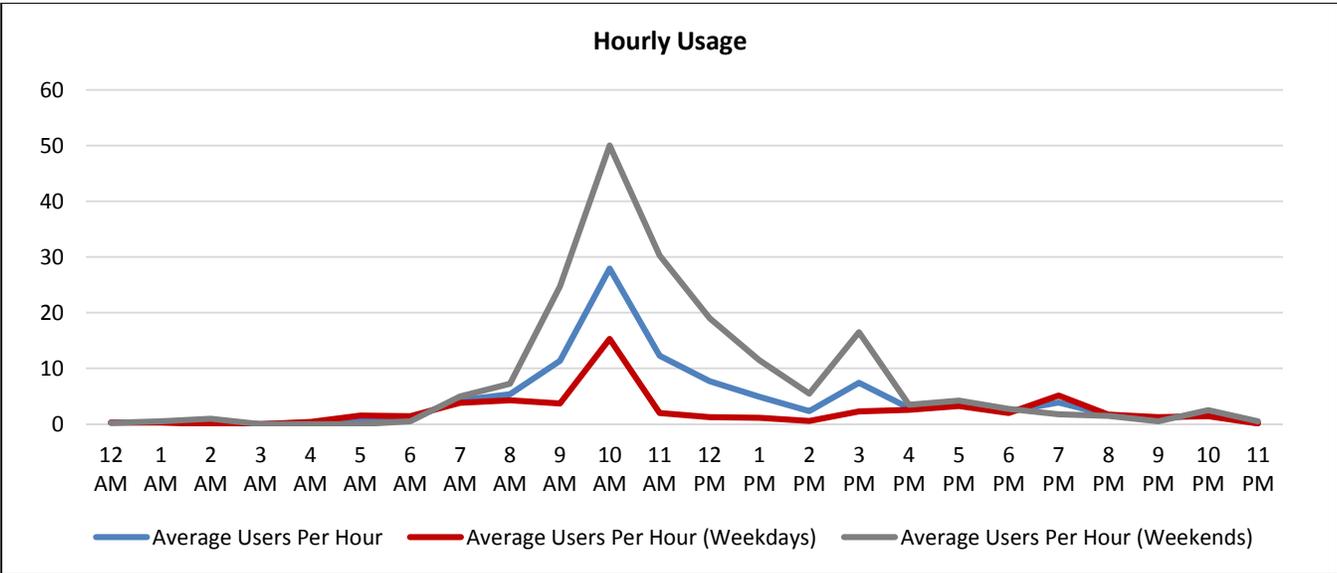
| Daily Usage Shepherd Drive Southbound: South of Kirby Drive/Allen Parkway | | | | |
|---|-------|-----------------------|----------------------|------------------------|
| Date | Users | Select Weather Data* | | |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 43 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 70 | 82 | 60 | T |
| Sunday, October 2, 2016 | 80 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 42 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 120 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 32 | 91 | 73 | T |
| Thursday, October 6, 2016 | 40 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 61 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 133 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 474 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 54 | 85 | 53 | 0 |

| | |
|--------------------------------------|-------|
| Total | 1,149 |
| Average Daily Usage | 104 |
| Average Daily Usage (Weekday) | 56 |
| Average Daily Usage (Weekend) | 189 |

*Weather conditions recorded at KHOU.



| Hourly Usage Shepherd Drive Southbound: South of Kirby Drive/Allen Parkway | | | |
|--|-------------------------------|--|--|
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 0.3 | 0.3 | 0.3 |
| 1:00 a.m. | 0.4 | 0.3 | 0.5 |
| 2:00 a.m. | 0.4 | 0.0 | 1.0 |
| 3:00 a.m. | 0.0 | 0.0 | 0.0 |
| 4:00 a.m. | 0.3 | 0.4 | 0.0 |
| 5:00 a.m. | 1.0 | 1.6 | 0.0 |
| 6:00 a.m. | 1.1 | 1.4 | 0.5 |
| 7:00 a.m. | 4.3 | 3.9 | 5.0 |
| 8:00 a.m. | 5.4 | 4.3 | 7.3 |
| 9:00 a.m. | 11.4 | 3.7 | 24.8 |
| 10:00 a.m. | 27.9 | 15.3 | 50.0 |
| 11:00 a.m. | 12.3 | 2.0 | 30.3 |
| 12:00 p.m. | 7.7 | 1.3 | 19.0 |
| 1:00 p.m. | 4.9 | 1.1 | 11.5 |
| 2:00 p.m. | 2.4 | 0.6 | 5.5 |
| 3:00 p.m. | 7.5 | 2.3 | 16.5 |
| 4:00 p.m. | 2.9 | 2.6 | 3.5 |
| 5:00 p.m. | 3.6 | 3.3 | 4.3 |
| 6:00 p.m. | 2.3 | 2.0 | 2.8 |
| 7:00 p.m. | 3.9 | 5.1 | 1.8 |
| 8:00 p.m. | 1.6 | 1.7 | 1.5 |
| 9:00 p.m. | 1.0 | 1.3 | 0.5 |
| 10:00 p.m. | 1.8 | 1.4 | 2.5 |
| 11:00 p.m. | 0.3 | 0.1 | 0.5 |



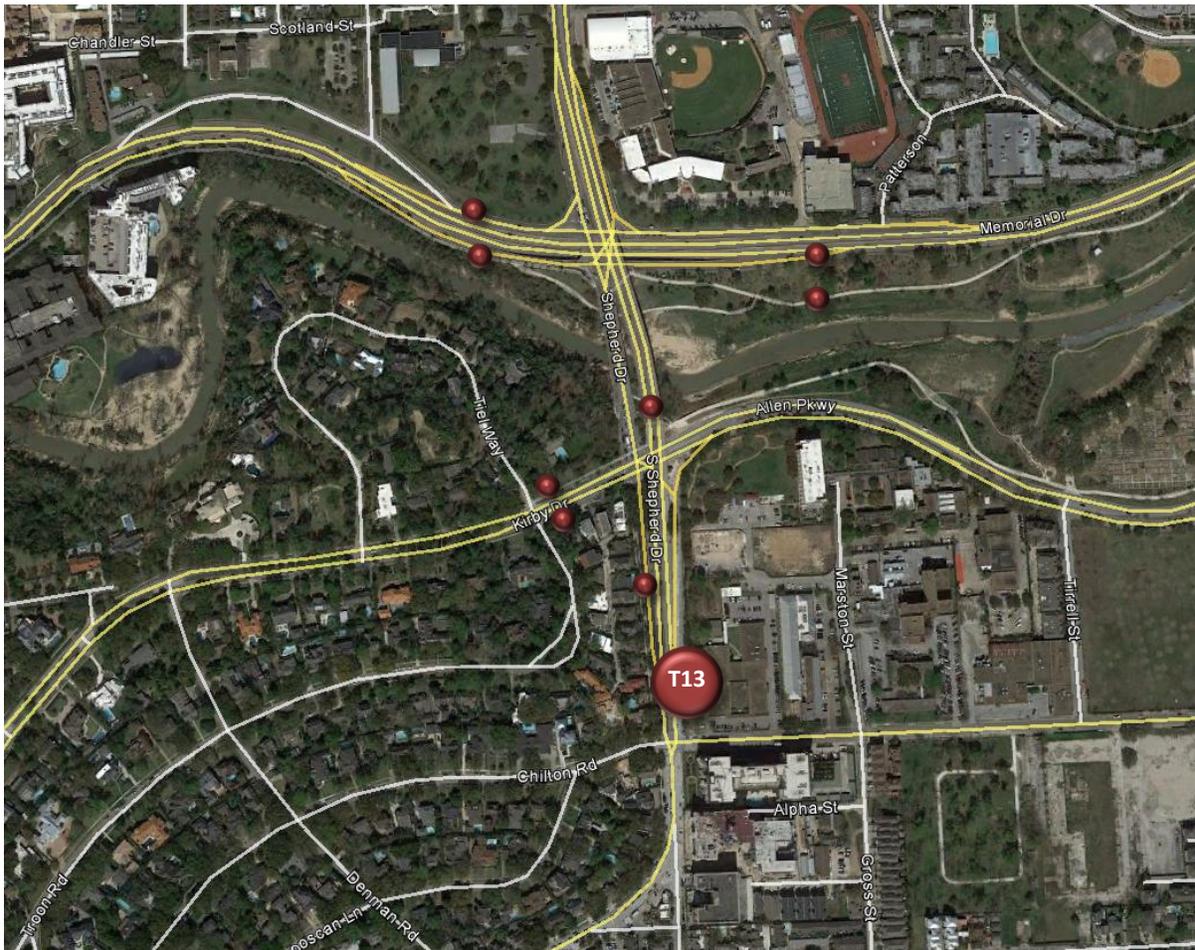
Counter T13

Shepherd Drive Northbound: South of Kirby Drive/Allen Parkway

| Location Information | |
|--|---|
| Location Name | Shepherd Drive Northbound: South of Kirby Drive/Allen Parkway |
| Location Description | Sidewalk along Shepherd Drive Northbound (Exit Ramp) South of Kirby Drive/Allen Parkway |
| Jurisdiction | City of Houston |
| Agency Deployed | Houston-Galveston Area Council, Texas Transportation Institute |
| GPS Coordinates | 29°45'27.25"N, 95°24'29.78"W |
| Surrounding Land Uses | North Institutional (The Center), Autry Park, Buffalo Bayou Park, Single-Family Residential |
| | South Multi-Family Residential, Single-Family Residential, Commercial/Retail |
| | East Institutional (The Center), Multi-Family Residential |
| | West Single-Family Residential |
| What object was device secured to? | Light Post (#211586) |
| Sidewalk Width | 4' |
| Buffer Width | 2' |
| Street Width | Four-Lane Divided Roadway (+ entrance/exit ramps to Shepherd Drive) |
| Parallel Parking | No |
| Landscaping or Trees | Yes |
| Sidewalk Pavement Type | Concrete |
| ADA Ramps | Yes |
| Sidewalk Condition | Fair (Some Unevenness) |
| Speed Limit | 35 miles per hour |
| Street Lighting | Yes |
| Street Traffic Volume | 33,710 (1010 S. Shepherd Drive: City of Houston – 2009) |
| Transit | Nearby (METRO Bus Stop 150' South at Shepherd Dr. Southbound/Chilton Rd./W. Dallas St.) |
| Shade | Intermittent |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 88 users/day. • Usage tends to be higher during weekends (136 users/day) than on weekdays (60 users/day). • There was unusually high usage on Saturday, October 1, 2016 between 6:00 a.m. and 8:00 a.m., when 112 users passed Counter T13. High usage could have been associated with the Komen Race for the Cure, which was held on Saturday, October 1, 2016. Registration was from 6:30 a.m. to 8:00 a.m., and races began at 8:00 a.m. • On weekdays, usage is highest in the morning (8:00 a.m. – 10:00 a.m.). During weekends, usage is highest in the late morning (10:00 a.m. – 11:00 a.m.). This could be skewed by unusually high usage on Sunday, October 9, 2016 during that period (see note above). |

Location Information: Map



Location Information: Photos



Image 37: Sidewalk along Shepherd Drive Northbound South of Kirby Drive/Allen Parkway Facing North



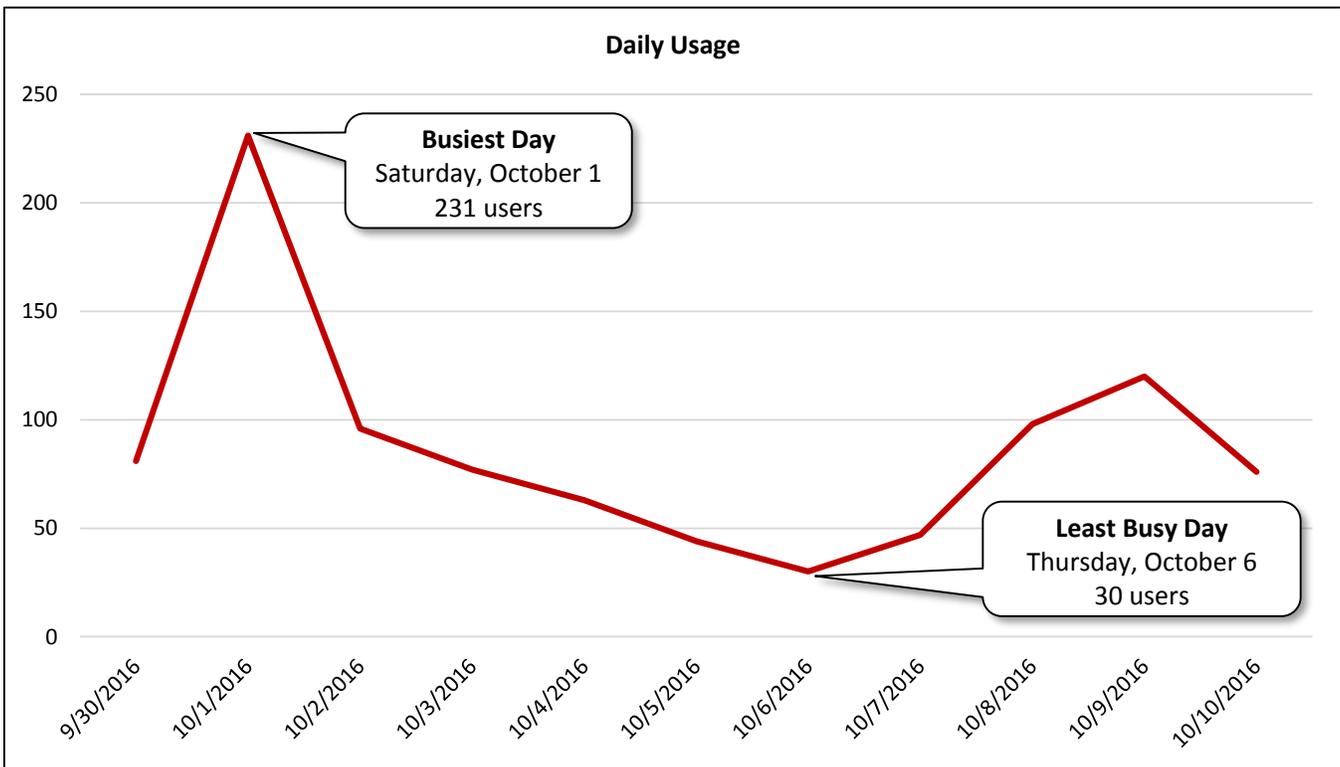
Image 38: Sidewalk along Shepherd Drive Northbound South of Kirby Drive/Allen Parkway Facing South

Daily Usage
Shepherd Drive Northbound: South of Kirby Drive/Allen Parkway

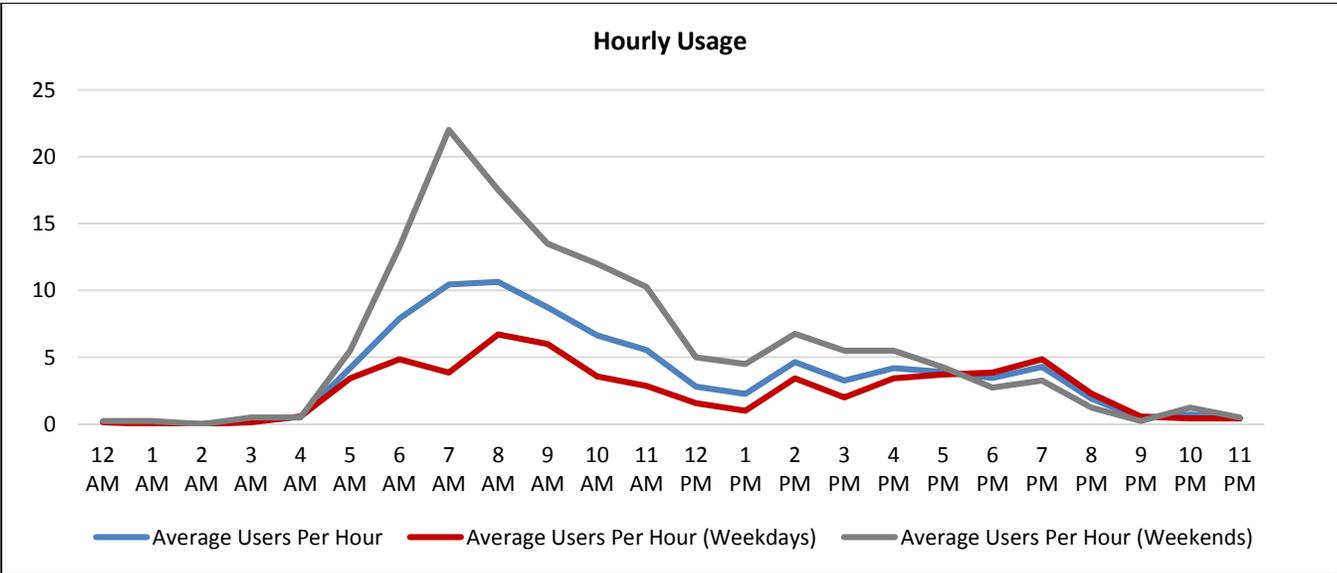
| Date | Users | Select Weather Data* | | |
|----------------------------|-------|-----------------------|----------------------|------------------------|
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 81 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 231 | 82 | 60 | T |
| Sunday, October 2, 2016 | 96 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 77 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 63 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 44 | 91 | 73 | T |
| Thursday, October 6, 2016 | 30 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 47 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 98 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 120 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 76 | 85 | 53 | 0 |

| | |
|--------------------------------------|-----|
| Total | 963 |
| Average Daily Usage | 88 |
| Average Daily Usage (Weekday) | 60 |
| Average Daily Usage (Weekend) | 136 |

*Weather conditions recorded at KHOU.



| Hourly Usage | | | |
|---|-------------------------------|--|--|
| Shepherd Drive Northbound: South of Kirby Drive/Allen Parkway | | | |
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 0.2 | 0.1 | 0.3 |
| 1:00 a.m. | 0.1 | 0.0 | 0.3 |
| 2:00 a.m. | 0.0 | 0.0 | 0.0 |
| 3:00 a.m. | 0.3 | 0.1 | 0.5 |
| 4:00 a.m. | 0.5 | 0.6 | 0.5 |
| 5:00 a.m. | 4.2 | 3.4 | 5.5 |
| 6:00 a.m. | 7.9 | 4.9 | 13.3 |
| 7:00 a.m. | 10.5 | 3.9 | 22.0 |
| 8:00 a.m. | 10.6 | 6.7 | 17.5 |
| 9:00 a.m. | 8.7 | 6.0 | 13.5 |
| 10:00 a.m. | 6.6 | 3.6 | 12.0 |
| 11:00 a.m. | 5.5 | 2.9 | 10.3 |
| 12:00 p.m. | 2.8 | 1.6 | 5.0 |
| 1:00 p.m. | 2.3 | 1.0 | 4.5 |
| 2:00 p.m. | 4.6 | 3.4 | 6.8 |
| 3:00 p.m. | 3.3 | 2.0 | 5.5 |
| 4:00 p.m. | 4.2 | 3.4 | 5.5 |
| 5:00 p.m. | 3.9 | 3.7 | 4.3 |
| 6:00 p.m. | 3.5 | 3.9 | 2.8 |
| 7:00 p.m. | 4.3 | 4.9 | 3.3 |
| 8:00 p.m. | 1.9 | 2.3 | 1.3 |
| 9:00 p.m. | 0.5 | 0.6 | 0.3 |
| 10:00 p.m. | 0.7 | 0.4 | 1.3 |
| 11:00 p.m. | 0.5 | 0.4 | 0.5 |



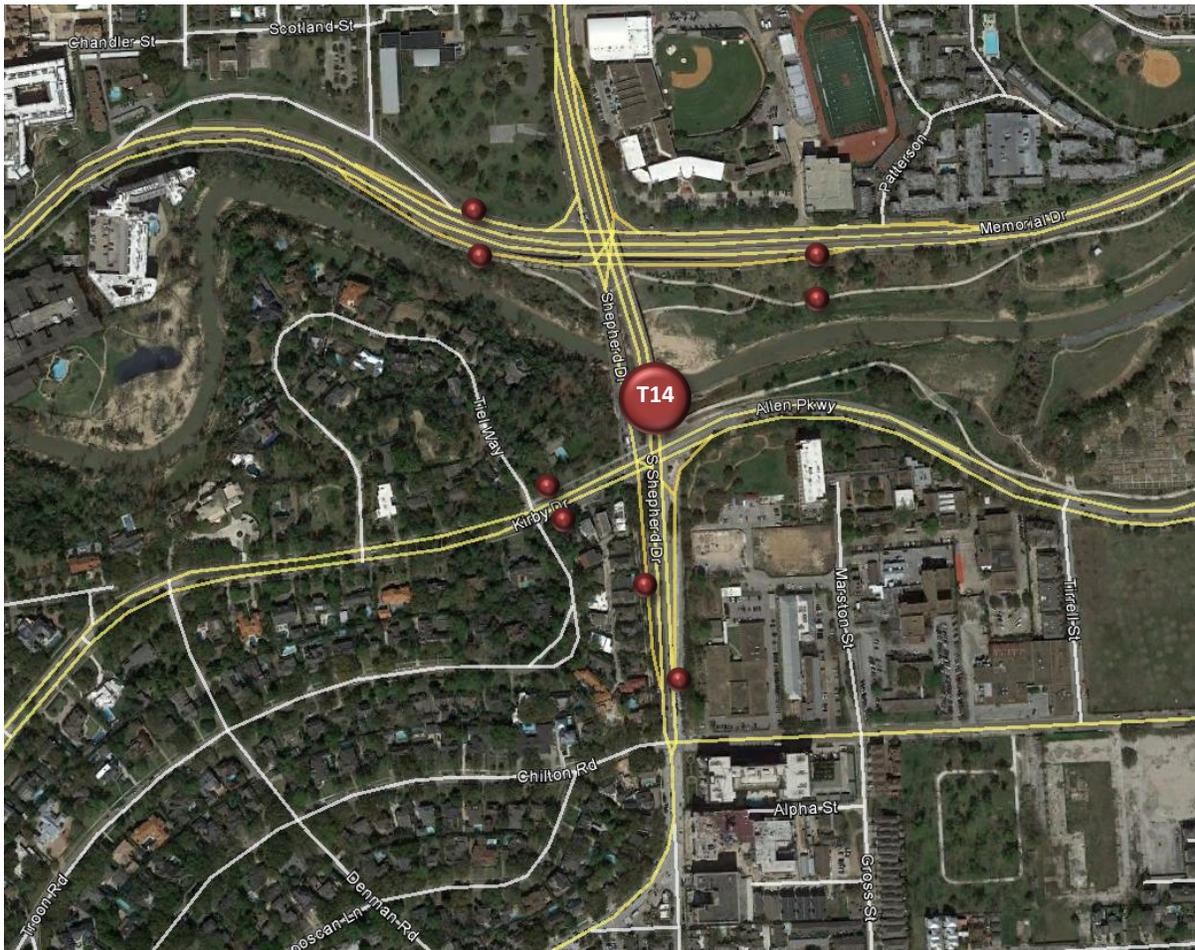
Counter T14

Pedestrian/Bicycle Bridge at Shepherd Drive

| Location Information | | |
|--|--|---|
| Location Name | Pedestrian/Bicycle Bridge at Shepherd Drive | |
| Location Description | Pedestrian/Bicycle Bridge under Shepherd Drive across Buffalo Bayou (connects Buffalo Bayou Trail: North Bank and Buffalo Bayou Trail: South Bank) | |
| Jurisdiction | City of Houston | |
| Agency Deployed | Buffalo Bayou Partnership | |
| GPS Coordinates | 29°45'36.18"N, 95°24'30.69"W | |
| Surrounding Land Uses | North | Buffalo Bayou Park, St. Thomas High School |
| | South | Buffalo Bayou Park, Autry Park, Single-Family Residential, Institutional (The Center) |
| | East | Buffalo Bayou Park, Autry Park, Institutional (The Center) |
| | West | Single-Family Residential |
| What object was device secured to? | Bridge Railing (Southwest Corner of Bridge) | |
| Sidewalk Width | 13' | |
| 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 | Bridge: Wood Adjacent Shared-Use Path: Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | N/A (Off-Road Shared-Use Path) | |
| Street Lighting | Yes | |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) | |
| Transit | Nearby (METRO Bus Stop 225' South at Shepherd Drive Northbound/Allen Parkway) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | No | |

| Trends |
|--|
| <ul style="list-style-type: none"> • Average daily usage is 952 users/day. • Usage tends to be significantly higher during weekends (1,519 users/day) than on weekdays (628 users/day). • On weekdays, usage is highest in the evening (6:00 p.m. – 7:00 p.m.). • During weekends, usage is highest in the morning (9:00 a.m. – 11:00 a.m.). |

Location Information: Map



Location Information: Photos



Image 39: Pedestrian/Bicycle Bridge under Shepherd Drive Facing North



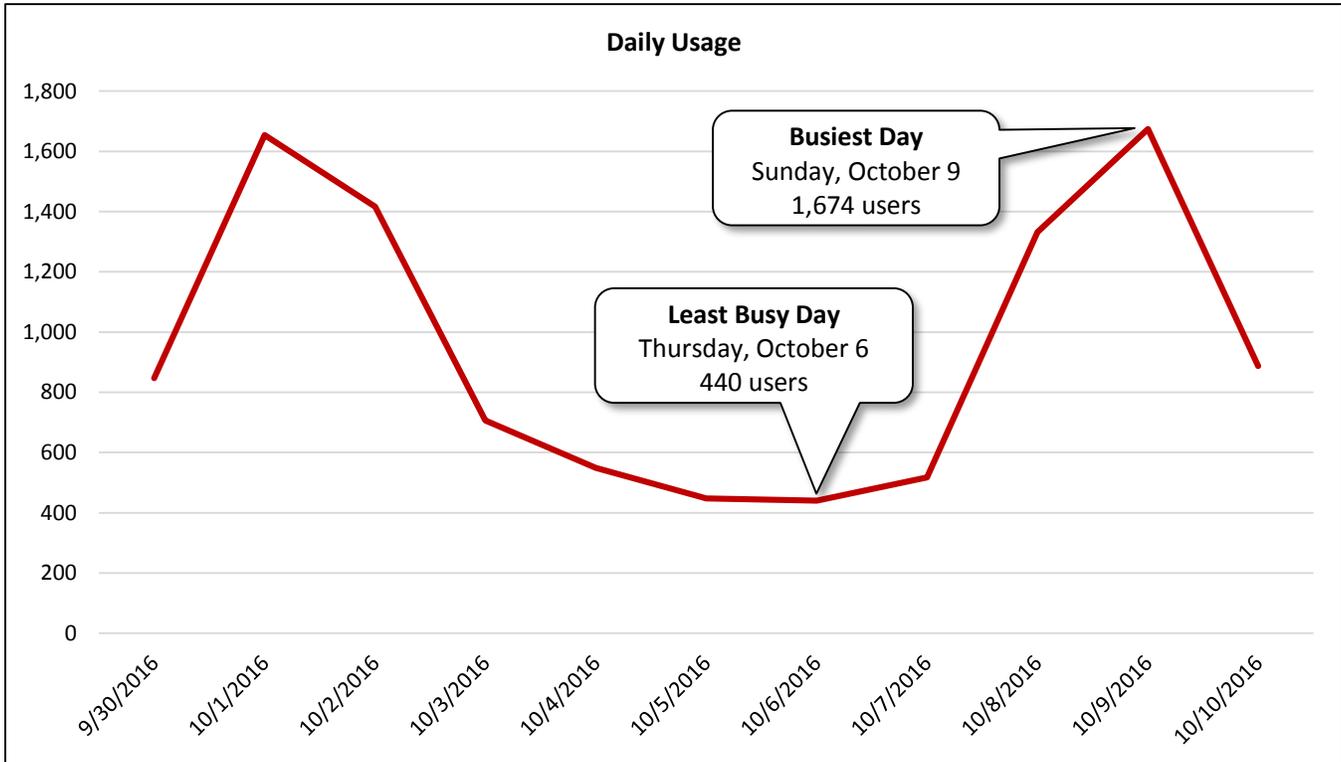
Image 40: Pedestrian/Bicycle Bridge under Shepherd Drive Facing South

Daily Usage
Pedestrian/Bicycle Bridge at Shepherd Drive

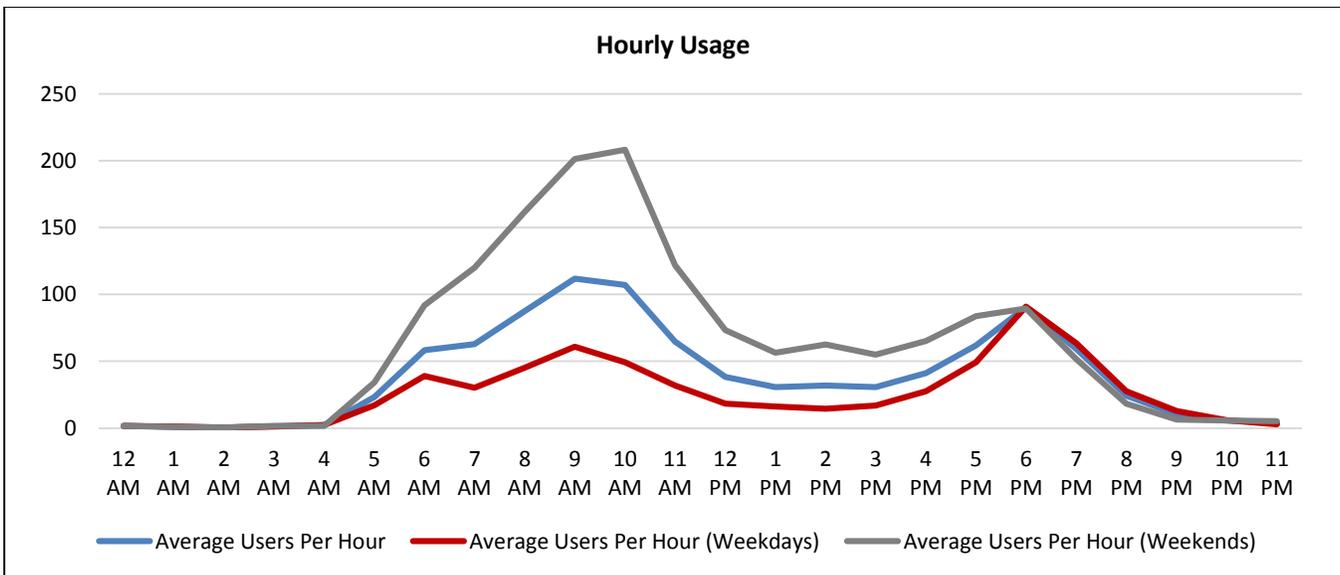
| Date | Users | Select Weather Data* | | |
|----------------------------|-------|-----------------------|----------------------|------------------------|
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Friday, September 30, 2016 | 847 | 81 | 58 | 0 |
| Saturday, October 1, 2016 | 1,654 | 82 | 60 | T |
| Sunday, October 2, 2016 | 1,416 | 86 | 65 | 0 |
| Monday, October 3, 2016 | 706 | 87 | 62 | 0 |
| Tuesday, October 4, 2016 | 549 | 90 | 66 | 0 |
| Wednesday, October 5, 2016 | 448 | 91 | 73 | T |
| Thursday, October 6, 2016 | 440 | 90 | 72 | 0.01 |
| Friday, October 7, 2016 | 517 | 91 | 70 | 0 |
| Saturday, October 8, 2016 | 1,332 | 89 | 67 | 0 |
| Sunday, October 9, 2016 | 1,674 | 82 | 59 | 0 |
| Monday, October 10, 2016 | 887 | 85 | 53 | 0 |

| | |
|--------------------------------------|--------|
| Total | 10,470 |
| Average Daily Usage | 952 |
| Average Daily Usage (Weekday) | 628 |
| Average Daily Usage (Weekend) | 1,519 |

*Weather conditions recorded at KHOU.



| Hourly Usage Pedestrian/Bicycle Bridge at Shepherd Drive | | | |
|--|-------------------------------|--|--|
| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
| 12:00 a.m. | 1.7 | 1.7 | 1.8 |
| 1:00 a.m. | 1.1 | 1.1 | 1.0 |
| 2:00 a.m. | 0.5 | 0.6 | 0.5 |
| 3:00 a.m. | 1.4 | 1.1 | 1.8 |
| 4:00 a.m. | 2.2 | 2.4 | 1.8 |
| 5:00 a.m. | 23.4 | 17.1 | 34.3 |
| 6:00 a.m. | 58.3 | 39.1 | 91.8 |
| 7:00 a.m. | 62.9 | 30.3 | 120.0 |
| 8:00 a.m. | 87.6 | 45.3 | 161.8 |
| 9:00 a.m. | 111.9 | 60.9 | 201.3 |
| 10:00 a.m. | 107.1 | 49.3 | 208.3 |
| 11:00 a.m. | 64.6 | 32.0 | 121.8 |
| 12:00 p.m. | 38.4 | 18.4 | 73.3 |
| 1:00 p.m. | 30.8 | 16.1 | 56.5 |
| 2:00 p.m. | 31.9 | 14.4 | 62.5 |
| 3:00 p.m. | 30.8 | 17.0 | 55.0 |
| 4:00 p.m. | 41.3 | 27.6 | 65.3 |
| 5:00 p.m. | 61.8 | 49.3 | 83.8 |
| 6:00 p.m. | 90.5 | 91.0 | 89.5 |
| 7:00 p.m. | 59.3 | 63.6 | 51.8 |
| 8:00 p.m. | 24.3 | 27.7 | 18.3 |
| 9:00 p.m. | 10.5 | 12.9 | 6.5 |
| 10:00 p.m. | 5.8 | 5.9 | 5.8 |
| 11:00 p.m. | 3.7 | 2.9 | 5.3 |



Participants

Buffalo Bayou Partnership
www.buffalobayou.org

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

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