**HOUSTON-GALVESTON AREA COUNCIL**

Temporary Pedestrian/Bicycle Counters
Data Summary

| Deployment Summary | |
|---|---|
| Sponsoring Agency | Westchase District |
| Deployment Period | Thursday, July 7, 2016 (12:00 p.m.) – Tuesday, July 19, 2016 (12:00 a.m.) |
| Number of Counters Deployed | 11 |
| Facility Description | Library Loop Trail and Sidewalks along Walnut Bend Lane |
| Locations Deployed (Houston-Galveston Area Council and Texas Transportation Institute) | |
| Counter H1 | Library Loop Trail South at Richmond Avenue (West of Ditch) |
| Counter H2 | Library Loop Trail South at Richmond Avenue (East of Ditch) |
| Counter H3 | Library Loop Trail South at Rogerdale Road |
| Counter H4 | Library Loop Trail North at Rogerdale Road |
| Counter H6 | Library Loop Trail North at Meadowchase Apartments |
| Counter H7 | Library Loop Trail North at Walnut Bend Lane |
| Counter H5 | Library Loop Trail near Robinson-Westchase Neighborhood Library |
| Counter T1 | Walnut Bend Lane Northbound North of Westpark Drive |
| Counter T2 | Walnut Bend Lane Northbound South of Richmond Avenue |
| Counter T3 | Walnut Bend Lane Southbound South of Richmond Avenue |
| Counter T4 | Walnut Bend Lane Northbound South of Westheimer Road |
| Counter T5 | Walnut Bend Lane Southbound South of Westheimer Road |

**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**
Library Loop Trail + Walnut Bend Lane in Westchase District
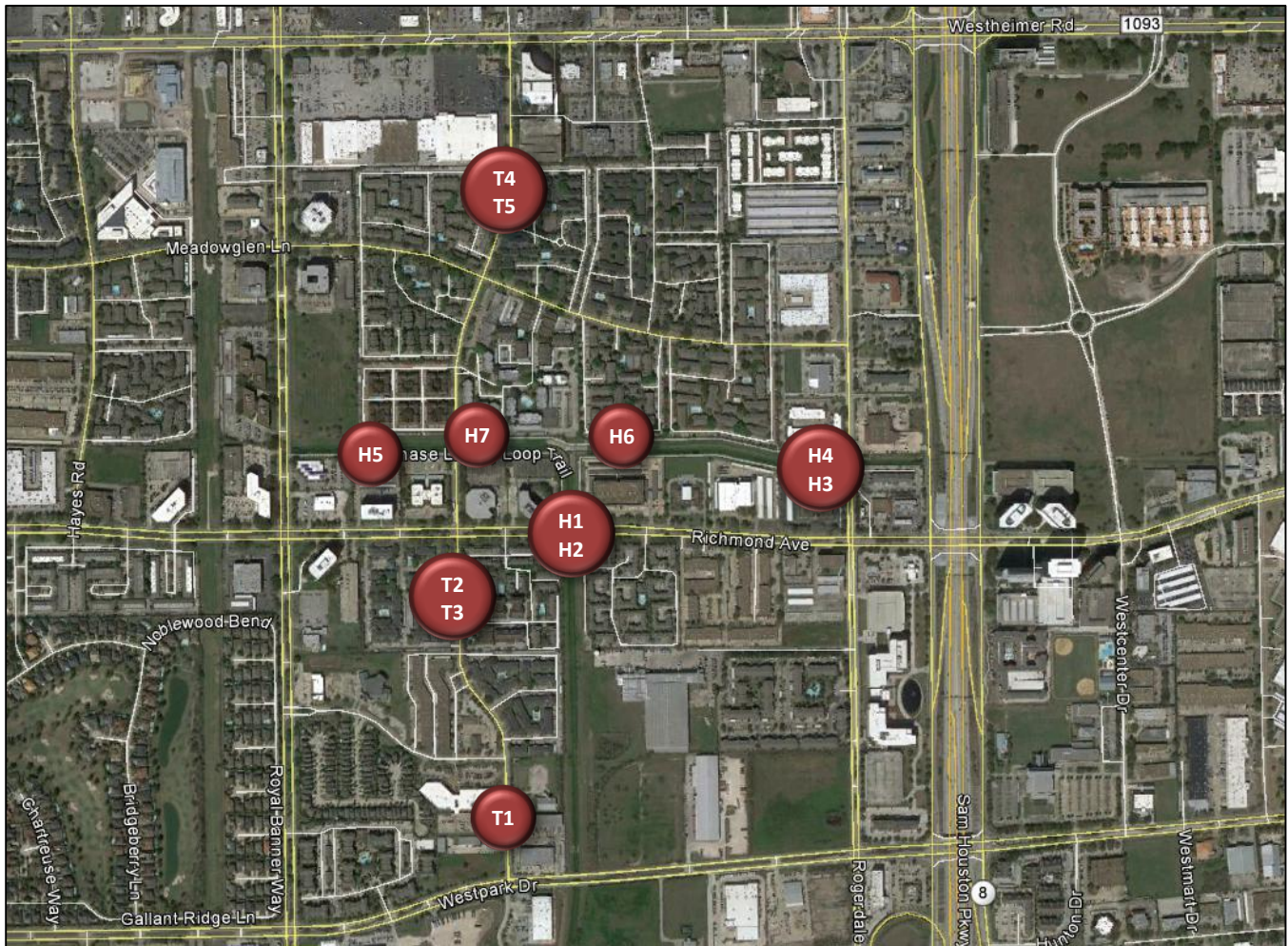


| Counter | Location | Total Users | Average Daily Usage | Report Page Num. |
|---|---|---|---|---|
| H1 | Library Loop Trail South at Richmond Avenue (West of Ditch) | 600 | 52 | 5 |
| H2 | Library Loop Trail South at Richmond Avenue (East of Ditch) | 941 | 82 | 9 |
| H3 | Library Loop Trail South at Rogerdale Road | 793 | 69 | 13 |
| H4 | Library Loop Trail North at Rogerdale Road | 1,522 | 132 | 17 |
| H6 | Library Loop Trail North at Meadowchase Apartments | 1,009 | 88 | 21 |
| H7 | Library Loop Trail North at Walnut Bend Lane | N/A* | N/A* | 25 |
| H5 | Library Loop Trail South near Robinson-Westchase Neighborhood Library | 806 | 70 | 27 |
| T1 | Walnut Bend Lane Northbound North of Westpark Drive | 128 | 11 | 31 |
| T2 | Walnut Bend Lane Northbound South of Richmond Avenue | 908 | 79 | 35 |
| T3 | Walnut Bend Lane Southbound South of Richmond Avenue | 659 | 57 | 39 |
| T4 | Walnut Bend Lane Northbound South of Westheimer Road | 760 | 66 | 43 |
| T5 | Walnut Bend Lane Southbound South of Westheimer Road | 2,377 | 207 | 47 |

*Counter H7 malfunctioned and did not collect data during the deployment period.

**Pedestrian/Bicycle Activity along Library Loop Trail**

The Library Loop Trail in Houston's Westchase District is about 1.35 miles long. This shared-use path runs parallel to a waterway (Ditch D124-00-00 and Ditch D124-01-00) north of Richmond Avenue, between Wilcrest Drive and Rogerdale Road. The Westchase District plans to complete the Brays Bayou Connector Trail in late 2016, which will allow users to travel south from the Library Loop Trail to Brays Bayou using off-road pedestrian/bicycle facilities.



During the deployment period, seven temporary pedestrian/bicycle counters were placed along the Library Loop Trail to measure usage of the facility. Usage tends to be higher along Library Loop Trail North (north of Ditch D124-00-00 and Ditch D124-01-00) than along Library Loop South (south of Ditch D124-00-00 and Ditch D124-01-00).

| Counter | Location | Total Users | Avg. Daily Usage | Avg. Daily Usage (Weekdays) | Avg. Daily Usage (Weekends) |
|---------|----------|-------------|------------------|-----------------------------|-----------------------------|
| H1 | Library Loop Trail South at Richmond Avenue (West of Ditch) | 600 | 52 | 57 | 44 |
| H2 | Library Loop Trail South at Richmond Avenue (East of Ditch) | 941 | 82 | 94 | 60 |
| H3 | Library Loop Trail South at Rogerdale Road | 793 | 69 | 76 | 55 |
| H4 | Library Loop Trail North at Rogerdale Road | 1,522 | 132 | 142 | 115 |
| H6 | Library Loop Trail North at Meadowchase Apartments | 1,009 | 88 | 91 | 82 |
| H7 | Library Loop Trail North at Walnut Bend Lane | N/A* | N/A* | N/A* | N/A* |
| H5 | Library Loop Trail South near Robinson-Westchase Neighborhood Library | 806 | 70 | 79 | 54 |

*Counter H7 malfunctioned and did not collect data during the deployment period.

**Pedestrian Activity along Walnut Bend Lane**

Funding has been allocated in the Houston-Galveston Area Council's 2017 – 2020 Transportation Improvement Program (TIP) to reconstruct Walnut Bend Lane between Westheimer Road and Westpark Drive. New sidewalks, pedestrian ramps, lighting, landscaping, and other improvements are planned and expected in FY2018.

To collect data on pedestrian usage prior to these improvements, counters were placed on sidewalks along Walnut Bend Lane near Westpark Drive, Richmond Avenue, and Westheimer Road. Placing counters on both sides of the roadway created a *screen line,* which helps determine how many pedestrians and cyclists are moving through an area (using off-street facilities). While sidewalks are on both sides of Walnut Bend Lane near Richmond Avenue and Westheimer Road, they currently only exist along the northbound lanes of Walnut Bend Lane near Westpark Drive.

Sidewalks along Walnut Bend Lane tend to be busier on weekdays than during weekends. Usage was highest near Westheimer Road and decreases as one moves south along the corridor.

| Location | Counter | Facility Type | Total Users | Avg. Daily Usage | Avg. Daily Usage (Weekdays) | Avg. Daily Usage (Weekends) |
|---|---|---|---|---|---|---|
| Walnut Bend Lane North of Westpark Drive* | T1 | Sidewalk (Adj. to Northbound Lanes) | 128 | 11 | 13 | 8 |
| Walnut Bend Lane South of Richmond Avenue | T2 | Sidewalk (Adj. to Northbound Lanes) | 908 | 79 | 87 | 64 |
| | T3 | Sidewalk (Adj. to Southbound Lanes) | 659 | 57 | 63 | 48 |
| | Total Pedestrians/Cyclists in Area (Counter T2 + Counter T3) | | 1,567 | 136 | 150 | 112 |
| Walnut Bend Lane South of Westheimer Road | T4 | Sidewalk (Adj. to Northbound Lanes) | 760 | 66 | 74 | 52 |
| | T5 | Sidewalk (Adj. to Southbound Lanes) | 2,377 | 207 | 228 | 167 |
| | Total Pedestrians/Cyclists in Area (Counter H7 + Counter T3) | | 3,137 | 273 | 302 | 219 |

*There are no sidewalks along Walnut Bend Lane Southbound between Westpark Drive and Wilcrest Green Drive.

**Counter H1**
Library Loop Trail South at Richmond Avenue (West of Ditch)

| Location Information | |
|---|---|
| Location Name | Library Loop Trail South at Richmond Avenue (West of Ditch) |
| Location Description | Library Loop Trail (Shared-Use Path) at Richmond Avenue West of Ditch (D124-00-00) |
| Jurisdiction | City of Houston/Westchase District |
| Agency Deployed | Westchase District |
| GPS Coordinates | 29°43'41.48"N, 95°33'57.00"W |
| Surrounding Land Uses | North — Office, Multi-Family Residential |
| | South — Office, Multi-Family Residential |
| | East — Office, Multi-Family Residential |
| | West — Office, Multi-Family Residential |
| What object was device secured to? | Tree |
| 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 | Excellent |
| Speed Limit | N/A (Off-Road Shared-Use Path) |
| Street Lighting | No |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) |
| Transit | Yes (METRO Bus Stop 300' East at 10700 Richmond Avenue) |
| Shade | Intermittent |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|---|
| • Usage tends to be higher on weekdays (57 users/day) than during weekends (44 users/day). |
| • On weekdays, usage peaks in the morning (7:00 a.m. – 8:00 a.m.) and evening (7:00 p.m. – 9:00 p.m.). |
| • During weekends, usage is highest in the morning (7:00 a.m. – 9:00 a.m.). |

**Location Information: Map**
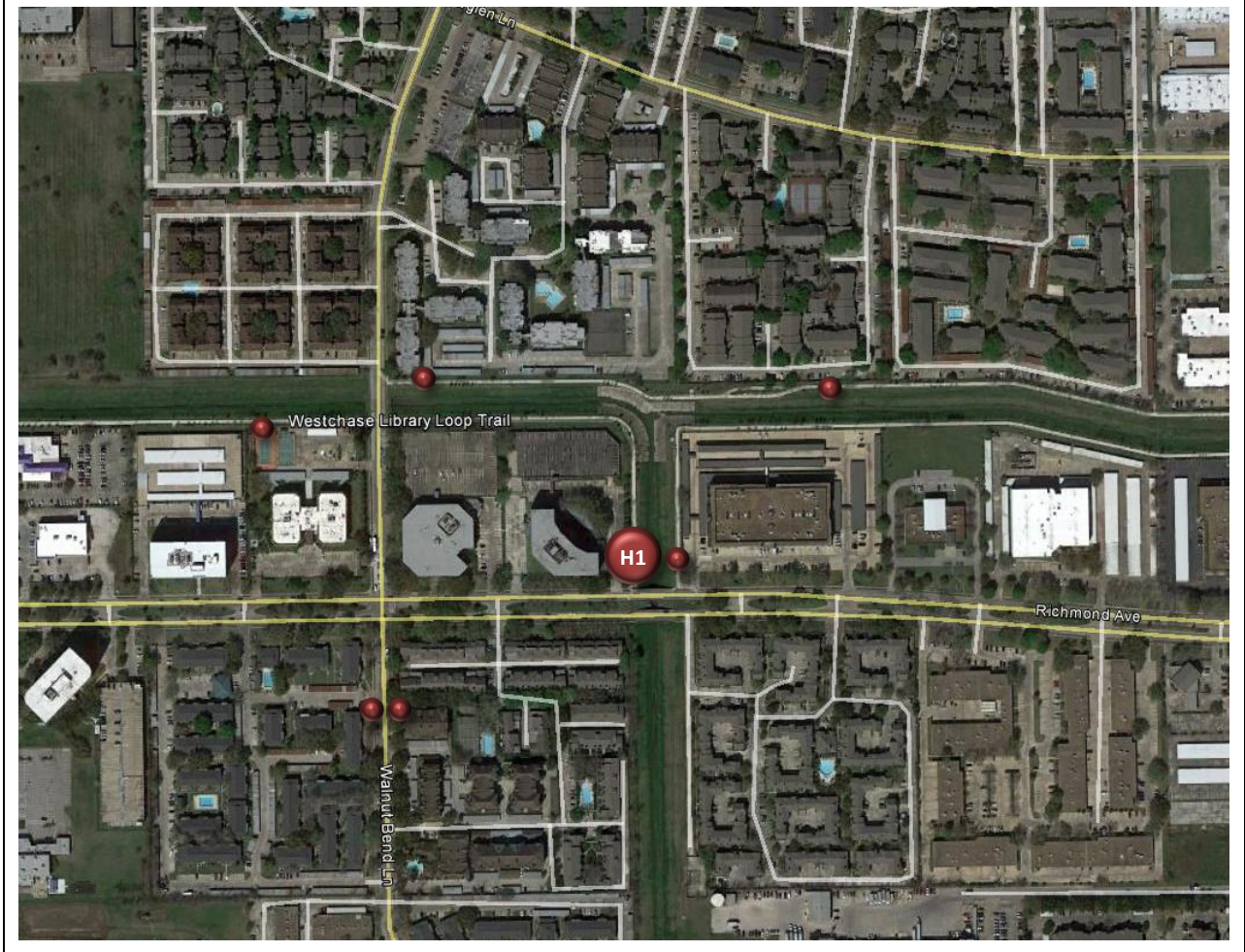


**Location Information: Photos**



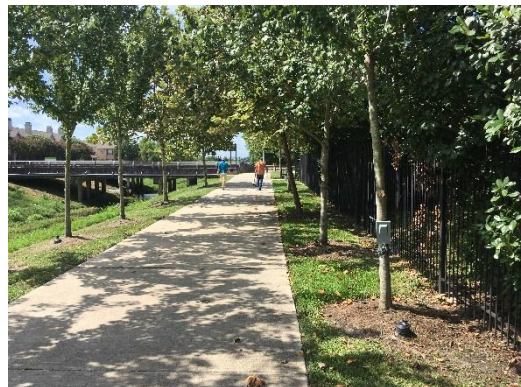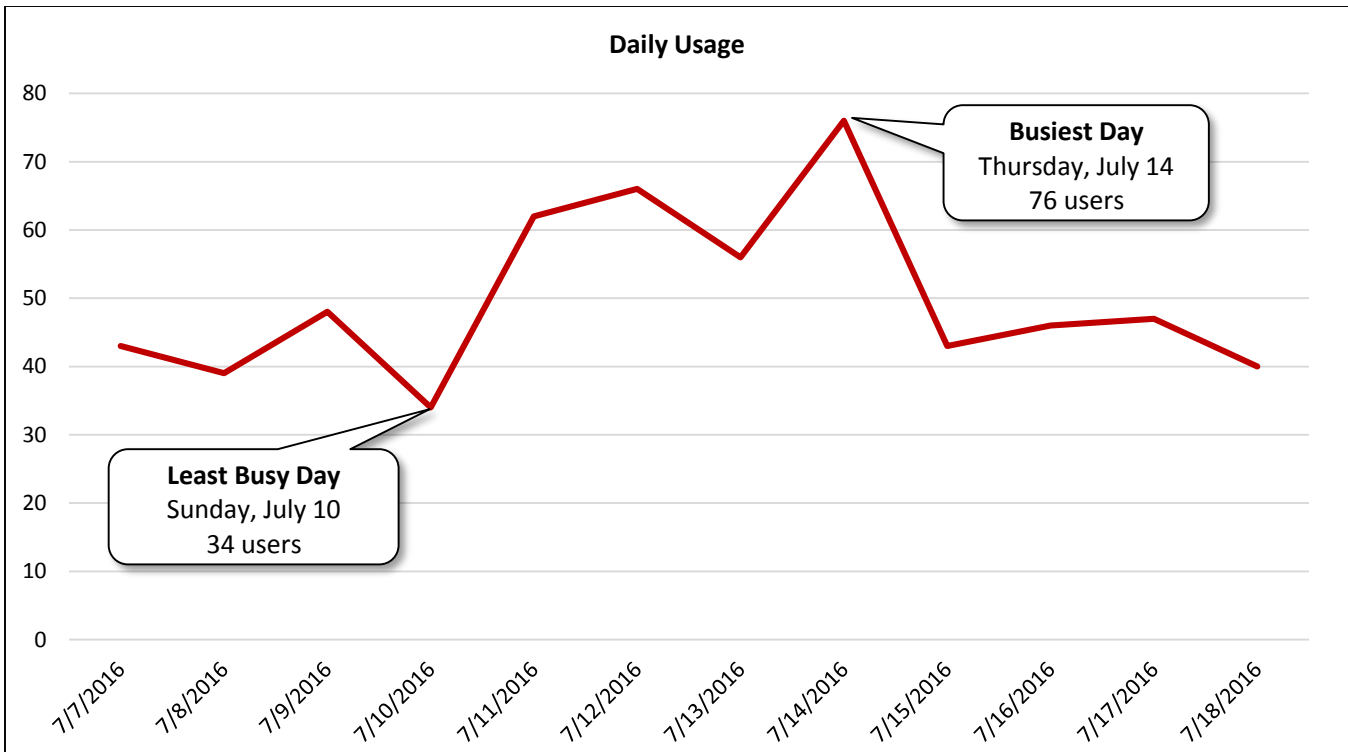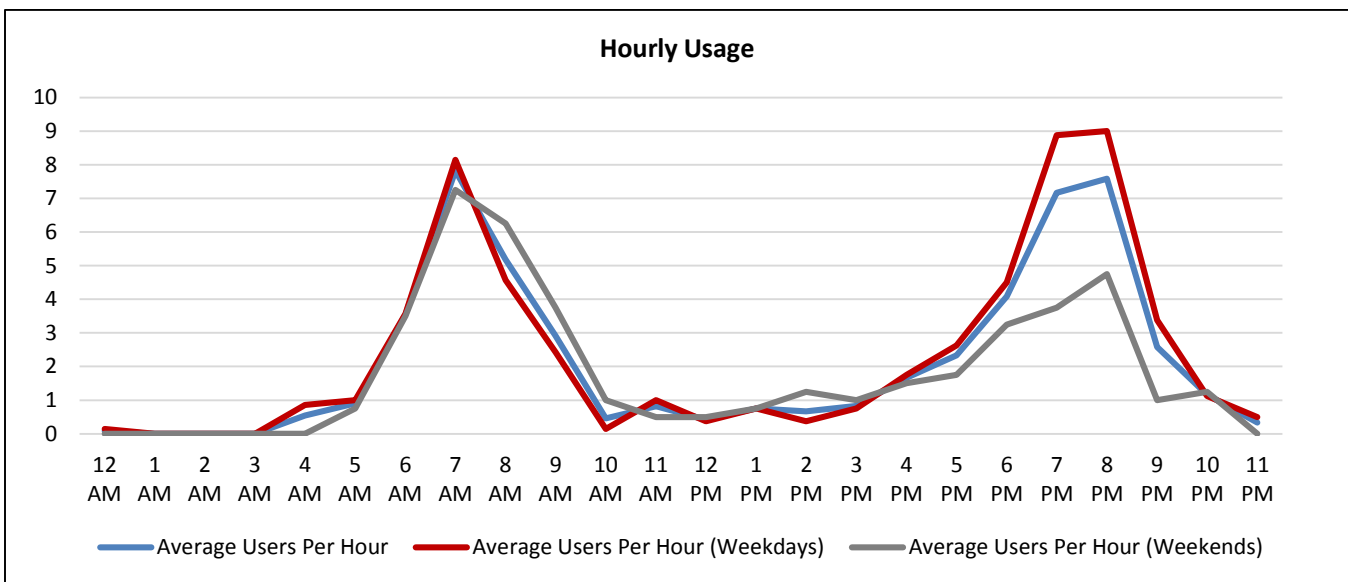Image 1: Library Loop Trail South at Richmond Avenue (West of Ditch) Facing North



Image 2: Library Loop Trail South at Richmond Avenue (West of Ditch) Facing South

**Daily Usage**
Library Loop Trail South at Richmond Avenue (West of Ditch)

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 43 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 39 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 48 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 34 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 62 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 66 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 56 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 76 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 43 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 46 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 47 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 40 | 93 | 75 | 0 |

| | | | |
| --- | --- | --- | --- |
| **Total** | 600 | **Notes** | |
| **Average Daily Usage** | 52 | Counter H1 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. | |
| **Average Daily Usage (Weekday)** | 57 | | |
| **Average Daily Usage (Weekend)** | 44 | | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Day
Thursday, July 14
76 users

Least Busy Day
Sunday, July 10
34 users

## Hourly Usage
Library Loop Trail South at Richmond Avenue (West of Ditch)

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.1 | 0.1 | 0.0 |
| 1:00 a.m. | 0.0 | 0.0 | 0.0 |
| 2:00 a.m. | 0.0 | 0.0 | 0.0 |
| 3:00 a.m. | 0.0 | 0.0 | 0.0 |
| 4:00 a.m. | 0.5 | 0.9 | 0.0 |
| 5:00 a.m. | 0.9 | 1.0 | 0.8 |
| 6:00 a.m. | 3.5 | 3.6 | 3.5 |
| 7:00 a.m. | 7.8 | 8.1 | 7.3 |
| 8:00 a.m. | 5.2 | 4.6 | 6.3 |
| 9:00 a.m. | 2.9 | 2.4 | 3.8 |
| 10:00 a.m. | 0.5 | 0.1 | 1.0 |
| 11:00 a.m. | 0.8 | 1.0 | 0.5 |
| 12:00 p.m. | 0.4 | 0.4 | 0.5 |
| 1:00 p.m. | 0.8 | 0.8 | 0.8 |
| 2:00 p.m. | 0.7 | 0.4 | 1.3 |
| 3:00 p.m. | 0.8 | 0.8 | 1.0 |
| 4:00 p.m. | 1.7 | 1.8 | 1.5 |
| 5:00 p.m. | 2.3 | 2.6 | 1.8 |
| 6:00 p.m. | 4.1 | 4.5 | 3.3 |
| 7:00 p.m. | 7.2 | 8.9 | 3.8 |
| 8:00 p.m. | 7.6 | 9.0 | 4.8 |
| 9:00 p.m. | 2.6 | 3.4 | 1.0 |
| 10:00 p.m. | 1.2 | 1.1 | 1.3 |
| 11:00 p.m. | 0.3 | 0.5 | 0.0 |



Hourly Usage

**Counter H2**
Library Loop Trail South at Richmond Avenue (East of Ditch)

| Location Information | | |
|---|---|---|
| Location Name | Library Loop Trail South at Richmond Avenue (East of Ditch) | |
| Location Description | Library Loop Trail (Shared-Use Path) at Richmond Avenue East of Ditch (D124-00-00) | |
| Jurisdiction | City of Houston/Westchase District | |
| Agency Deployed | Westchase District | |
| GPS Coordinates | 29°43'41.44"N, 95°33'55.47"W | |
| Surrounding Land Uses | North | Office, Multi-Family Residential |
| | South | Office, Multi-Family Residential |
| | East | Office, Multi-Family Residential |
| | West | Office, Multi-Family Residential |
| What object was device secured to? | Tree | |
| 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 | Excellent | |
| Speed Limit | N/A (Off-Road Shared-Use Path) | |
| Street Lighting | No | |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) | |
| Transit | Yes (METRO Bus Stop 100' South at 10700 Richmond Avenue) | |
| Shade | Intermittent | |
| Have counts been collected by H-GAC at this location before? | No | |

| Trends |
|---|
| • Usage tends to be much higher on weekdays (94 users/day) than during weekends (60 users/day). |
| • On weekdays, usage is highest in the evening (7:00 p.m. – 9:00 p.m.). |
| • During weekends, usage peaks in the morning (7:00 a.m. – 9:00 a.m.) and evening (7:00 p.m. – 9:00 p.m.). |

**Location Information: Map**
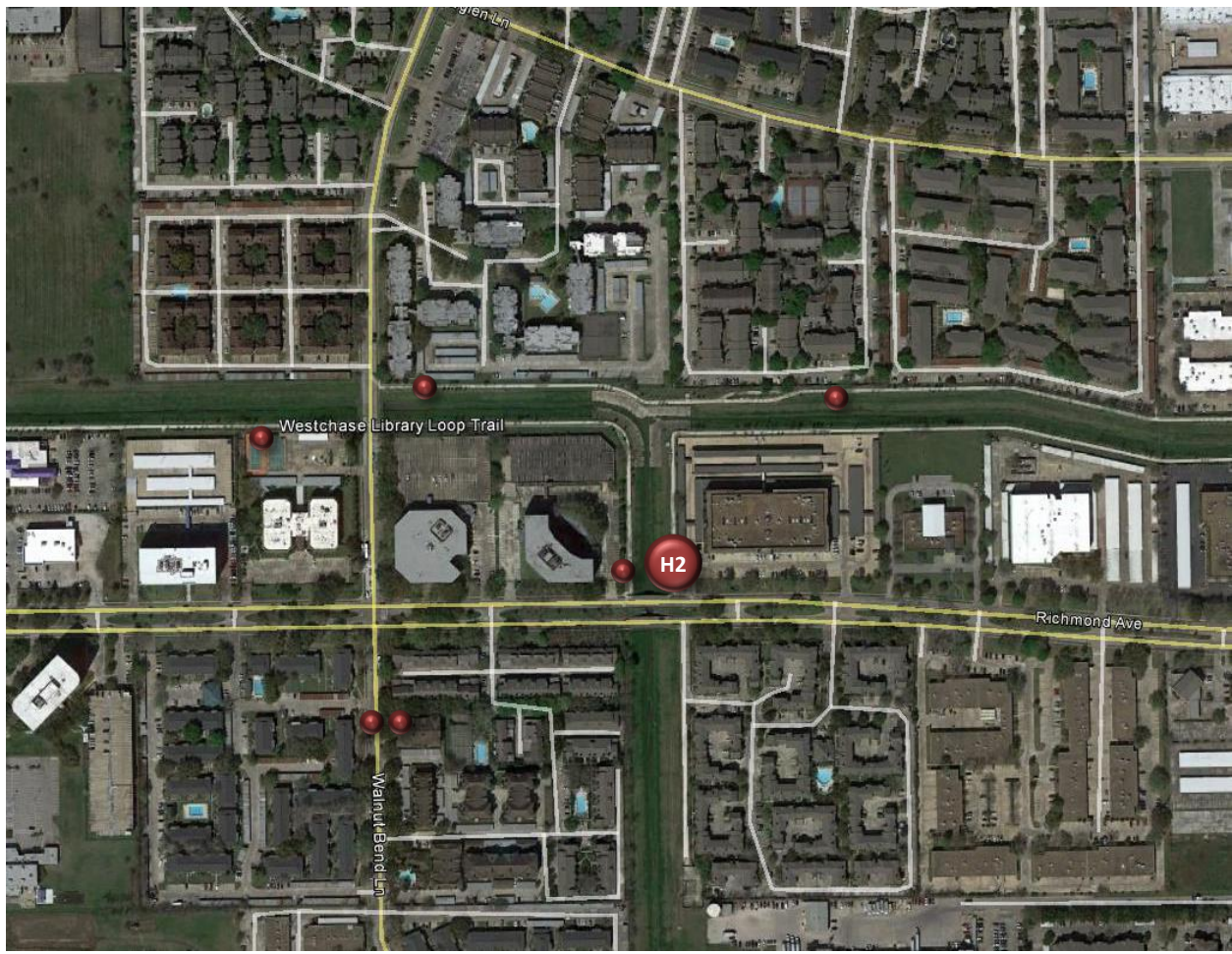


**Location Information: Photos**



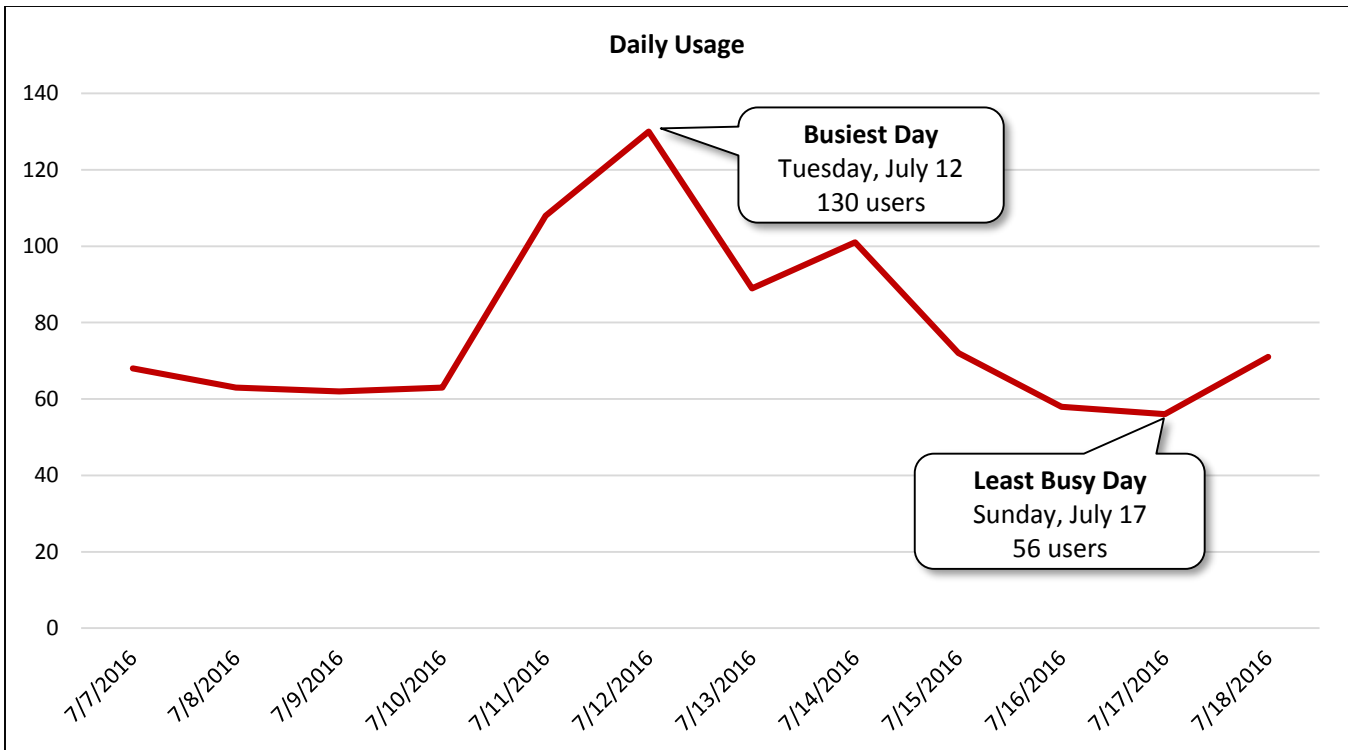Image 3: Library Loop Trail South at Richmond Avenue (East of Ditch) Facing North



Image 4: Library Loop Trail South at Richmond Avenue (East of Ditch) Facing South
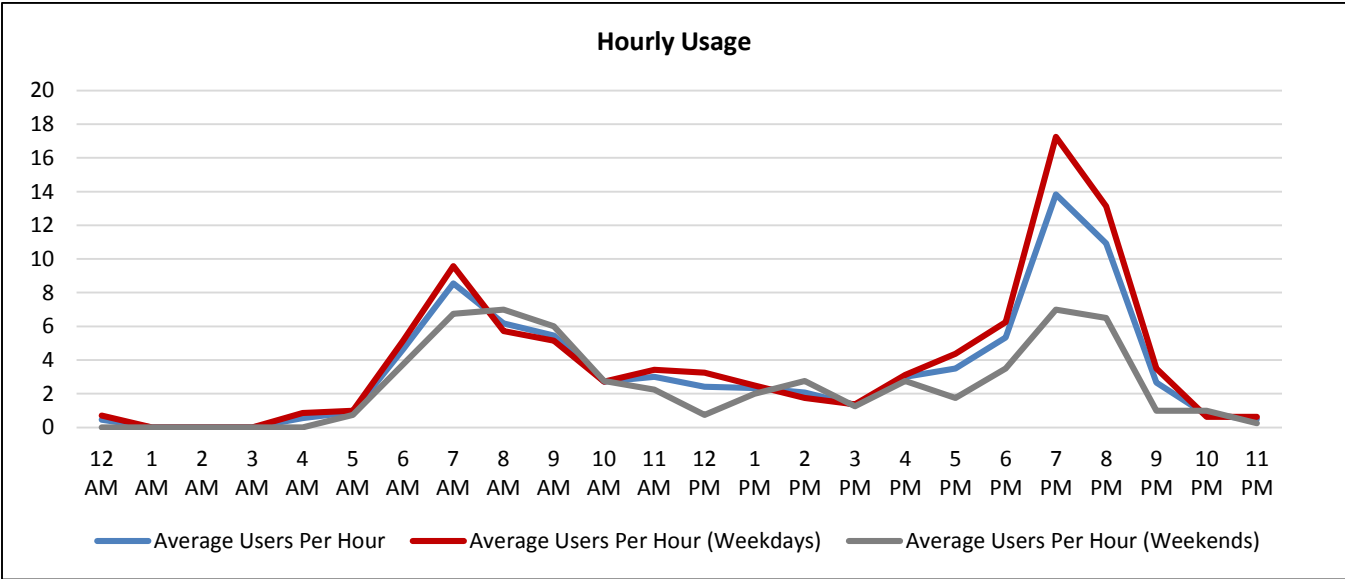
**Daily Usage**
Library Loop Trail South at Richmond Avenue (East of Ditch)

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 68 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 63 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 62 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 63 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 108 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 130 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 89 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 101 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 72 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 58 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 56 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 71 | 93 | 75 | 0 |

| | | | |
| --- | --- | --- | --- |
| **Total** | 941 | **Notes** | |
| **Average Daily Usage** | 82 | Counter H2 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. | |
| **Average Daily Usage (Weekday)** | 94 | | |
| **Average Daily Usage (Weekend)** | 60 | | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Day
Tuesday, July 12
130 users

Least Busy Day
Sunday, July 17
56 users

**Hourly Usage**
Library Loop Trail South at Richmond Avenue (East of Ditch)

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.5 | 0.7 | 0.0 |
| 1:00 a.m. | 0.0 | 0.0 | 0.0 |
| 2:00 a.m. | 0.0 | 0.0 | 0.0 |
| 3:00 a.m. | 0.0 | 0.0 | 0.0 |
| 4:00 a.m. | 0.5 | 0.9 | 0.0 |
| 5:00 a.m. | 0.9 | 1.0 | 0.8 |
| 6:00 a.m. | 4.6 | 5.1 | 3.8 |
| 7:00 a.m. | 8.5 | 9.6 | 6.8 |
| 8:00 a.m. | 6.2 | 5.7 | 7.0 |
| 9:00 a.m. | 5.5 | 5.1 | 6.0 |
| 10:00 a.m. | 2.7 | 2.7 | 2.8 |
| 11:00 a.m. | 3.0 | 3.4 | 2.3 |
| 12:00 p.m. | 2.4 | 3.3 | 0.8 |
| 1:00 p.m. | 2.3 | 2.5 | 2.0 |
| 2:00 p.m. | 2.1 | 1.8 | 2.8 |
| 3:00 p.m. | 1.3 | 1.4 | 1.3 |
| 4:00 p.m. | 3.0 | 3.1 | 2.8 |
| 5:00 p.m. | 3.5 | 4.4 | 1.8 |
| 6:00 p.m. | 5.3 | 6.3 | 3.5 |
| 7:00 p.m. | 13.8 | 17.3 | 7.0 |
| 8:00 p.m. | 10.9 | 13.1 | 6.5 |
| 9:00 p.m. | 2.7 | 3.5 | 1.0 |
| 10:00 p.m. | 0.8 | 0.6 | 1.0 |
| 11:00 p.m. | 0.5 | 0.6 | 0.3 |

**Counter H3**
Library Loop Trail South at Rogerdale Road

| Location Information | |
|---|---|
| Location Name | Library Loop Trail South at Rogerdale Road |
| Location Description | Library Loop Trail (Shared-Use Path) South of Ditch (D124-01-00) West of Rogerdale Road |
| Jurisdiction | City of Houston/Westchase District |
| Agency Deployed | Westchase District |
| GPS Coordinates | 29°43'44.22"N, 95°33'36.60"W |
| Surrounding Land Uses | North — Office, Retail |
| | South — Office |
| | East — Institutional (Post Office), Hotel, Retail |
| | West — Office, Multi-Family Residential |
| What object was device secured to? | Tree |
| Sidewalk Width | 8' |
| Buffer Width | N/A (Off-Road Shared-Use Path) |
| Street Width | N/A (Off-Road Shared-Use Path) |
| Parallel Parking | N/A (Off-Road Shared-Use Path) |
| Landscaping or Trees | Yes |
| Sidewalk Pavement Type | Concrete |
| ADA Ramps | Yes |
| Sidewalk Condition | Excellent |
| Speed Limit | N/A (Off-Road Shared-Use Path) |
| Street Lighting | No |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) |
| Transit | Yes (METRO Bus Stops 450' South at Richmond Avenue/Rogerdale Road) |
| Shade | No |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|---|
| • Usage tends to be higher on weekdays (76 users/day) than during weekends (55 users/day). |
| • On weekdays, usage is highest in the evening (7:00 p.m. – 9:00 p.m.). There is also an increase in usage in the morning (7:00 a.m. – 8:00 a.m.). |
| • During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.). |

**Location Information: Map**
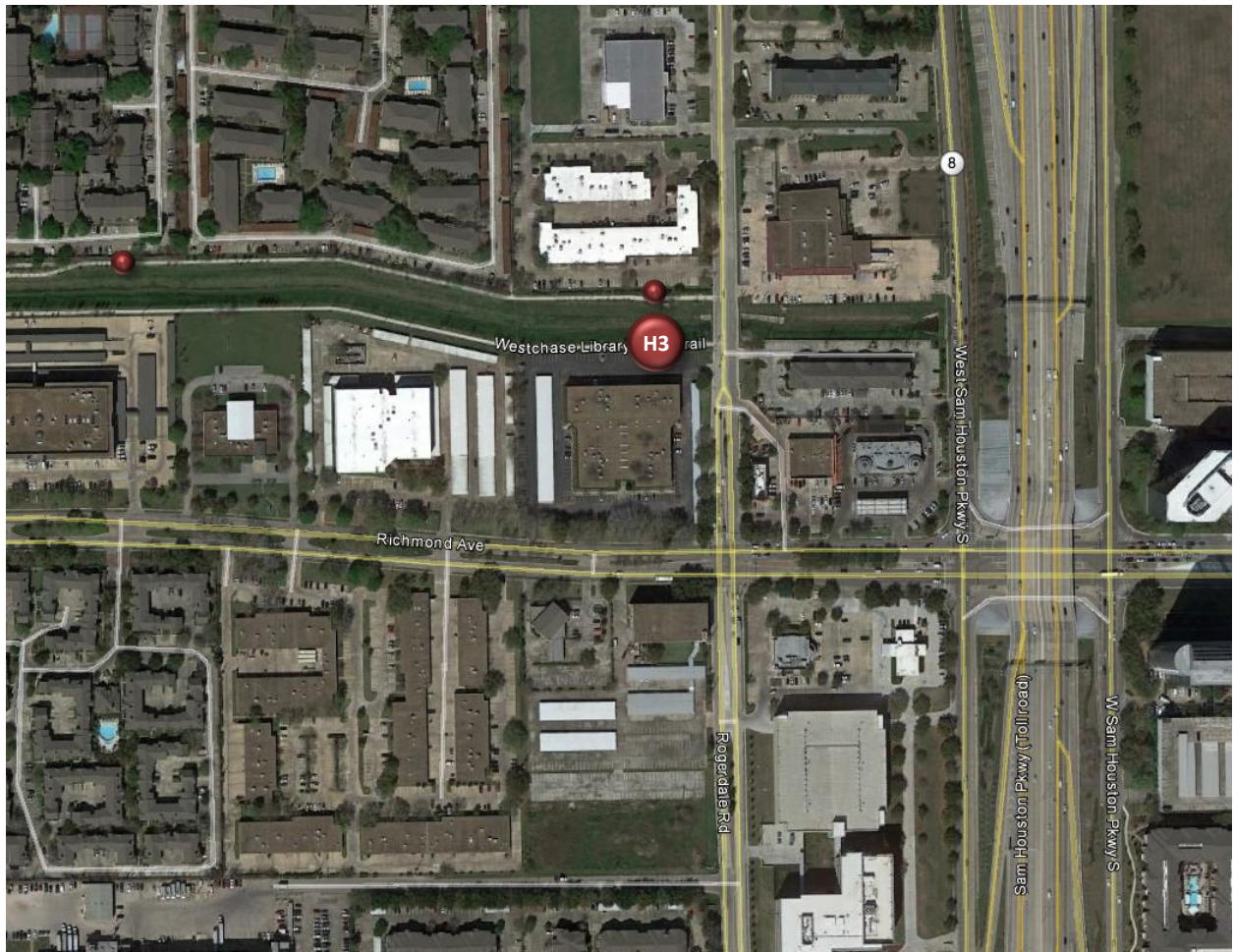


**Location Information: Photos**



Image 5: Library Loop Trail South at Rogerdale Road Facing East
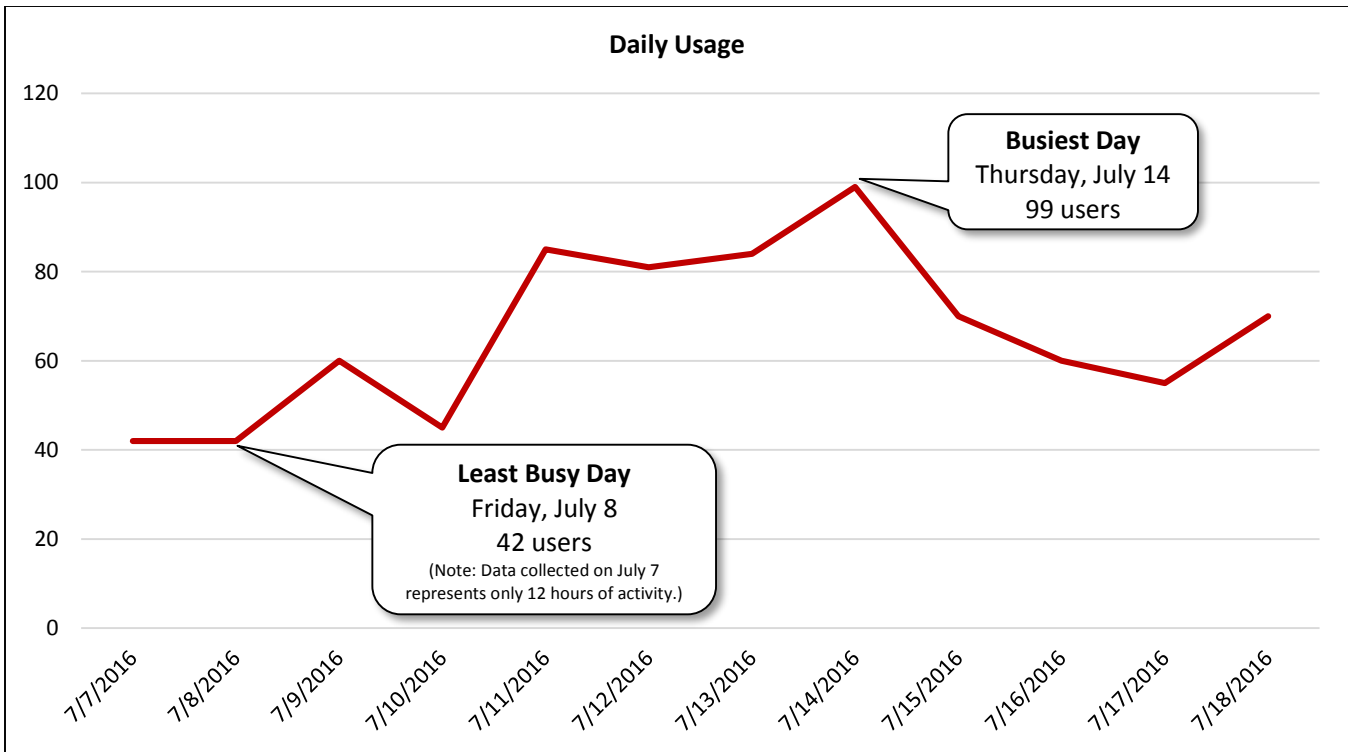


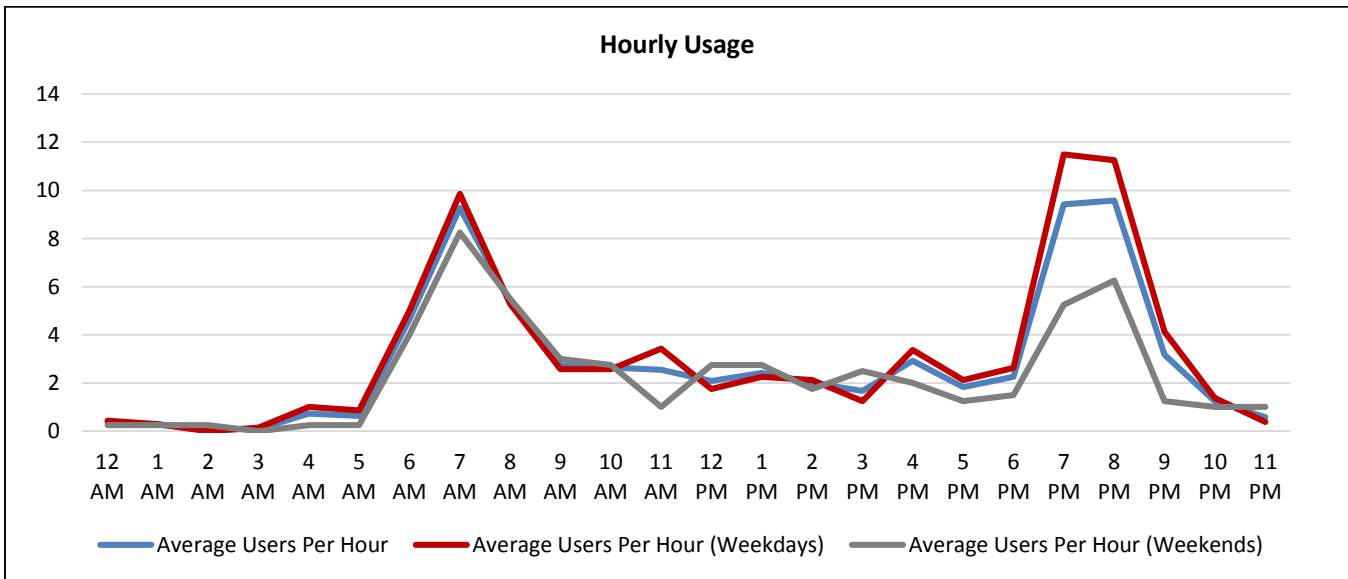Image 6: Library Loop Trail South at Rogerdale Road Facing West

**Daily Usage**
Library Loop Trail South at Rogerdale Road

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 42 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 42 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 60 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 45 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 85 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 81 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 84 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 99 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 70 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 60 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 55 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 70 | 93 | 75 | 0 |

| | | | |
| --- | --- | --- | --- |
| **Total** | 793 | **Notes** | |
| **Average Daily Usage** | 69 | Counter H3 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. | |
| **Average Daily Usage (Weekday)** | 76 | | |
| **Average Daily Usage (Weekend)** | 55 | | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Day
Thursday, July 14
99 users

Least Busy Day
Friday, July 8
42 users
(Note: Data collected on July 7
represents only 12 hours of activity.)

**Hourly Usage**
Library Loop Trail South at Rogerdale Road

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.4 | 0.4 | 0.3 |
| 1:00 a.m. | 0.3 | 0.3 | 0.3 |
| 2:00 a.m. | 0.1 | 0.0 | 0.3 |
| 3:00 a.m. | 0.1 | 0.1 | 0.0 |
| 4:00 a.m. | 0.7 | 1.0 | 0.3 |
| 5:00 a.m. | 0.6 | 0.9 | 0.3 |
| 6:00 a.m. | 4.6 | 5.0 | 4.0 |
| 7:00 a.m. | 9.3 | 9.9 | 8.3 |
| 8:00 a.m. | 5.4 | 5.3 | 5.5 |
| 9:00 a.m. | 2.7 | 2.6 | 3.0 |
| 10:00 a.m. | 2.6 | 2.6 | 2.8 |
| 11:00 a.m. | 2.5 | 3.4 | 1.0 |
| 12:00 p.m. | 2.1 | 1.8 | 2.8 |
| 1:00 p.m. | 2.4 | 2.3 | 2.8 |
| 2:00 p.m. | 2.0 | 2.1 | 1.8 |
| 3:00 p.m. | 1.7 | 1.3 | 2.5 |
| 4:00 p.m. | 2.9 | 3.4 | 2.0 |
| 5:00 p.m. | 1.8 | 2.1 | 1.3 |
| 6:00 p.m. | 2.3 | 2.6 | 1.5 |
| 7:00 p.m. | 9.4 | 11.5 | 5.3 |
| 8:00 p.m. | 9.6 | 11.3 | 6.3 |
| 9:00 p.m. | 3.2 | 4.1 | 1.3 |
| 10:00 p.m. | 1.3 | 1.4 | 1.0 |
| 11:00 p.m. | 0.6 | 0.4 | 1.0 |



Hourly Usage

**Counter H4**
Library Loop Trail North at Rogerdale Road

| Location Information | |
|---|---|
| Location Name | Library Loop Trail North at Rogerdale Road |
| Location Description | Library Loop Trail North at Rogerdale Road |
| Jurisdiction | Library Loop Trail (Shared-Use Path) North of Ditch (D124-01-00) West of Rogerdale Road |
| Agency Deployed | City of Houston/Westchase District |
| GPS Coordinates | 29°43'45.37"N, 95°33'36.71"W |
| Surrounding Land Uses | North | Office, Retail |
| | South | Office |
| | East | Institutional (Post Office), Hotel, Retail |
| | West | Office, Multi-Family Residential |
| What object was device secured to? | Tree |
| Sidewalk Width | 8' |
| Buffer Width | N/A (Off-Road Shared-Use Path) |
| Street Width | N/A (Off-Road Shared-Use Path) |
| Parallel Parking | N/A (Off-Road Shared-Use Path) |
| Landscaping or Trees | Yes |
| Sidewalk Pavement Type | Concrete |
| ADA Ramps | Yes |
| Sidewalk Condition | Excellent |
| Speed Limit | N/A (Off-Road Shared-Use Path) |
| Street Lighting | No |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) |
| Transit | Yes (METRO Bus Stops 550' South at Richmond Avenue/Rogerdale Road) |
| Shade | No |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|---|
| • Usage tends to be higher on weekdays (142 users/day) than during weekends (115 users/day). |
| • On weekdays, usage is highest in the morning (7:00 a.m. – 8:00 a.m.) and evening (7:00 p.m. – 9:00 p.m.). |
| • During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.). |

**Location Information: Map**
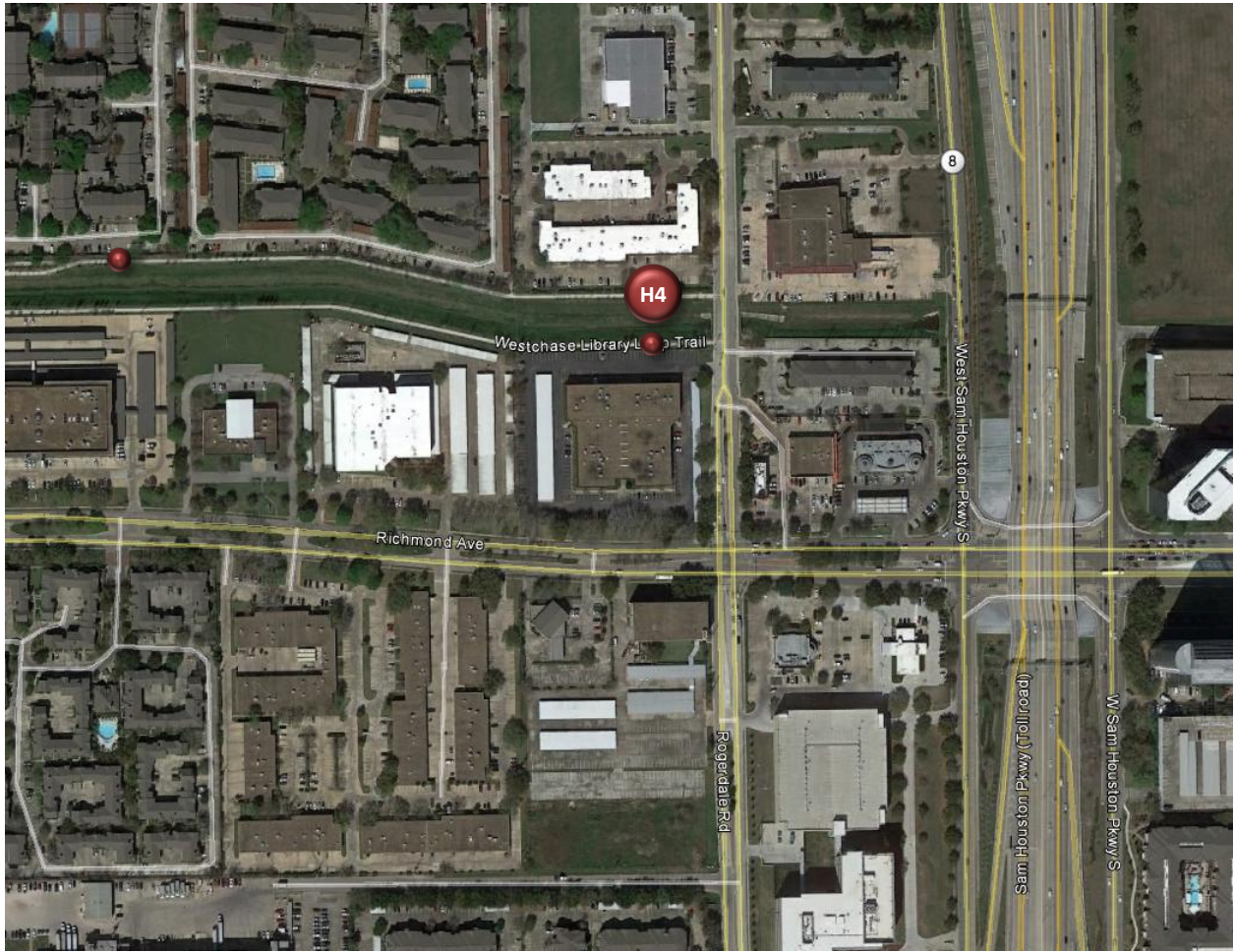


**Location Information: Photos**



Image 7: Library Loop Trail North at Rogerdale Road Facing East
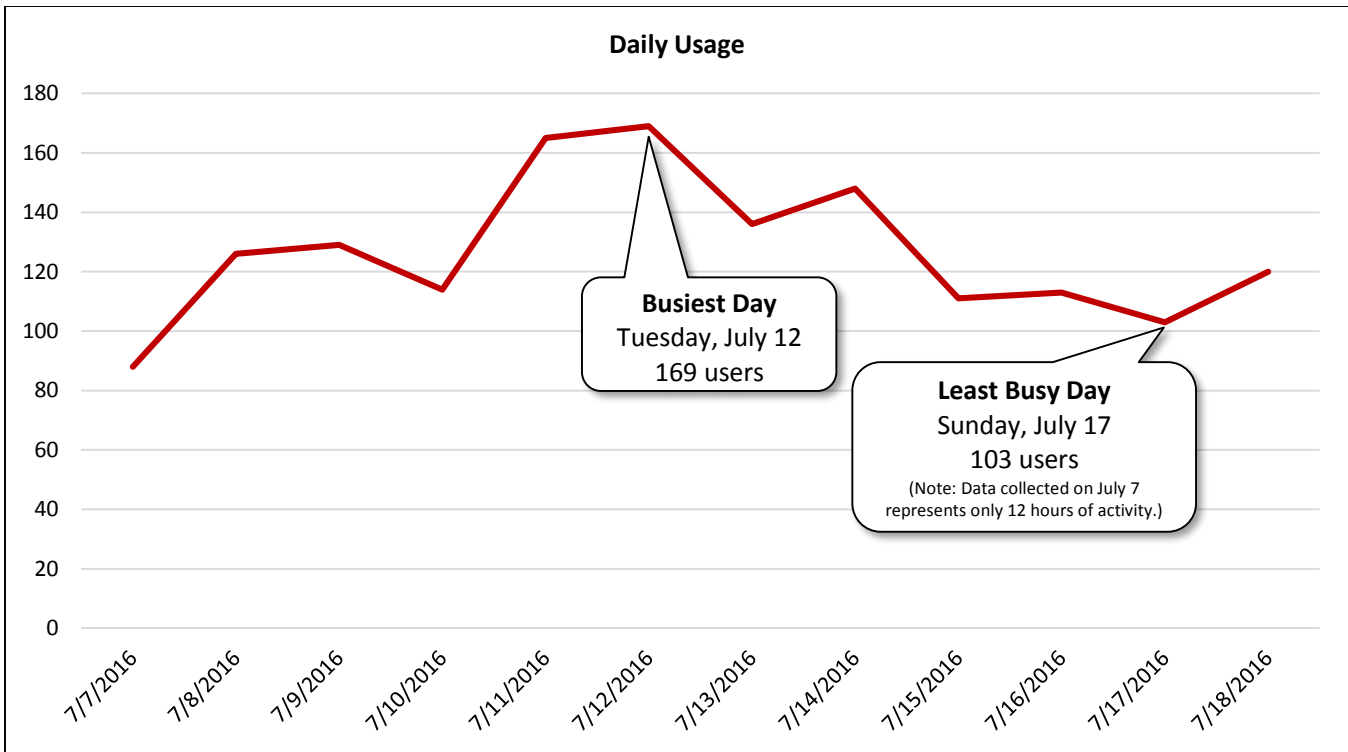


Image 8: Library Loop Trail North at Rogerdale Road Facing West

**Daily Usage**
Library Loop Trail North at Rogerdale Road

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 88 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 126 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 129 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 114 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 165 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 169 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 136 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 148 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 111 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 113 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 103 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 120 | 93 | 75 | 0 |

| | | | |
| --- | --- | --- | --- |
| **Total** | 1,522 | **Notes** | |
| **Average Daily Usage** | 132 | Counter H4 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. | |
| **Average Daily Usage (Weekday)** | 142 | | |
| **Average Daily Usage (Weekend)** | 115 | | |

*Weather conditions recorded at KSGR.



**Daily Usage**

Busiest Day
Tuesday, July 12
169 users

Least Busy Day
Sunday, July 17
103 users
(Note: Data collected on July 7 represents only 12 hours of activity.)

**Hourly Usage**
Library Loop Trail North at Rogerdale Road

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 1.5 | 1.6 | 1.3 |
| 1:00 a.m. | 2.1 | 1.6 | 3.0 |
| 2:00 a.m. | 1.4 | 1.1 | 1.8 |
| 3:00 a.m. | 0.6 | 0.7 | 0.5 |
| 4:00 a.m. | 1.3 | 1.9 | 0.3 |
| 5:00 a.m. | 2.3 | 3.1 | 0.8 |
| 6:00 a.m. | 7.3 | 7.9 | 6.3 |
| 7:00 a.m. | 14.9 | 16.9 | 11.5 |
| 8:00 a.m. | 9.9 | 10.1 | 9.5 |
| 9:00 a.m. | 8.6 | 9.6 | 7.0 |
| 10:00 a.m. | 4.5 | 4.4 | 4.5 |
| 11:00 a.m. | 5.8 | 6.6 | 4.5 |
| 12:00 p.m. | 4.6 | 5.3 | 3.3 |
| 1:00 p.m. | 4.4 | 3.4 | 6.5 |
| 2:00 p.m. | 4.3 | 4.1 | 4.5 |
| 3:00 p.m. | 4.2 | 3.5 | 5.5 |
| 4:00 p.m. | 5.7 | 5.1 | 6.8 |
| 5:00 p.m. | 7.1 | 7.1 | 7.0 |
| 6:00 p.m. | 5.5 | 5.9 | 4.8 |
| 7:00 p.m. | 11.4 | 13.6 | 7.0 |
| 8:00 p.m. | 13.3 | 15.9 | 8.0 |
| 9:00 p.m. | 6.0 | 6.4 | 5.3 |
| 10:00 p.m. | 3.3 | 3.4 | 3.0 |
| 11:00 p.m. | 2.2 | 2.0 | 2.5 |
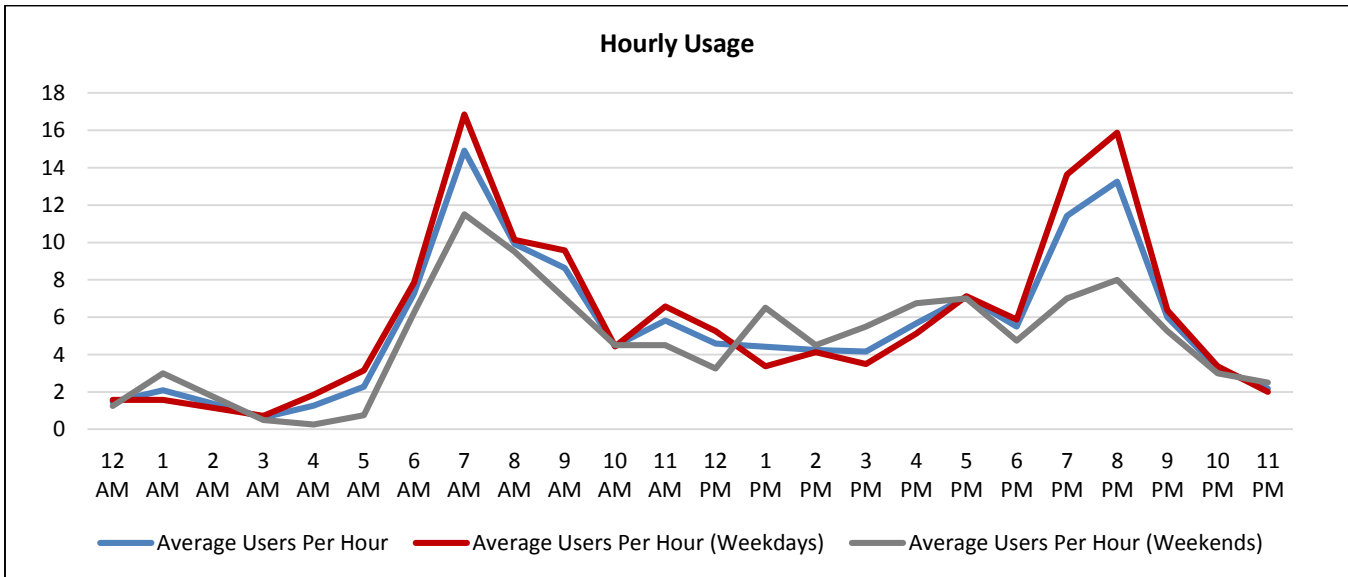
**Counter H6**

Library Loop Trail North at Meadowchase Apartments

| Location Information | |
|---|---|
| Location Name | Library Loop Trail North at Meadowchase Apartments |
| Location Description | Library Loop Trail (Shared-Use Path) North of Ditch (D124-01-00) between Rogerdale Road and Walnut Bend Lane behind Meadowchase Apartments (10751 Meadowglen Lane) |
| Jurisdiction | City of Houston/Westchase District |
| Agency Deployed | Westchase District |
| GPS Coordinates | 29°43'45.95"N, 95°33'52.47"W |
| Surrounding Land Uses | North | Multi-Family Residential |
| | South | Office, Multi-Family Residential |
| | East | Multi-Family Residential, Office |
| | West | Multi-Family Residential, Office |
| What object was device secured to? | Tree |
| Sidewalk Width | 8' |
| Buffer Width | N/A (Off-Road Shared-Use Path) |
| Street Width | N/A (Off-Road Shared-Use Path) |
| Parallel Parking | N/A (Off-Road Shared-Use Path) |
| Landscaping or Trees | Yes |
| Sidewalk Pavement Type | Concrete |
| ADA Ramps | Yes |
| Sidewalk Condition | Excellent |
| Speed Limit | N/A (Off-Road Shared-Use Path) |
| Street Lighting | No |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) |
| Transit | No |
| Shade | Intermittent |
| Have counts been collected by H-GAC at this location before? | No |

| Trends |
|---|
| • Usage tends to be higher on weekdays (91 users/day) than during weekends (82 users/day).<br>• On weekdays, usage is highest in the morning (7:00 a.m. – 8:00 a.m.).<br>• During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.). |

**Location Information: Map**
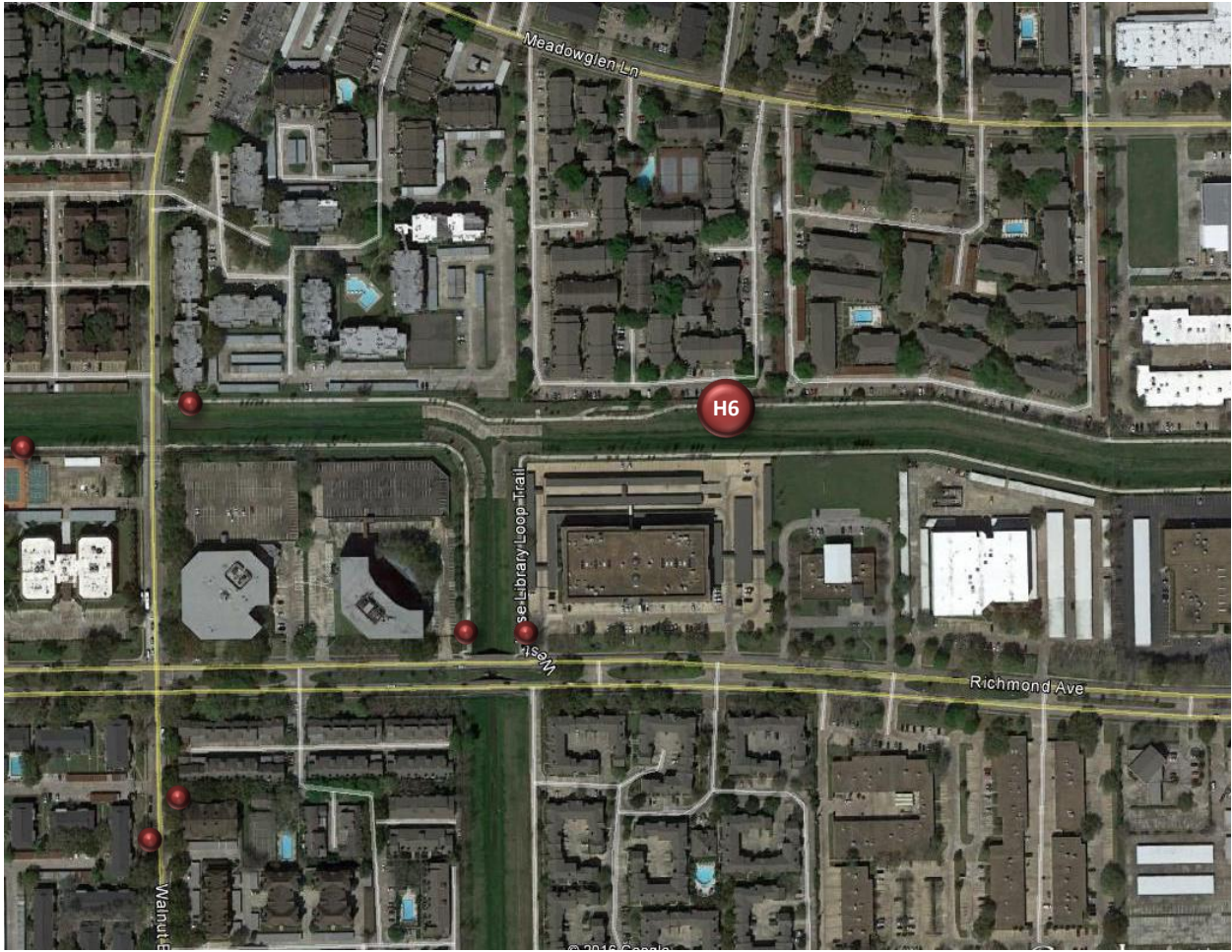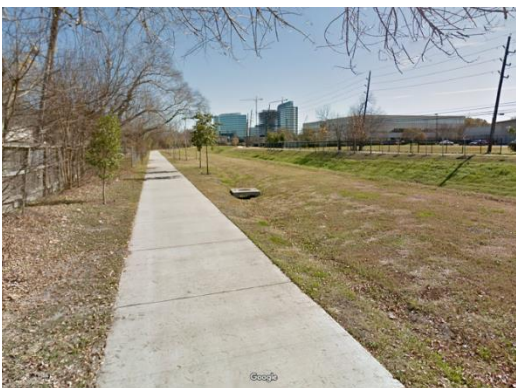


**Location Information: Photos**



Image 9: Library Loop Trail North at
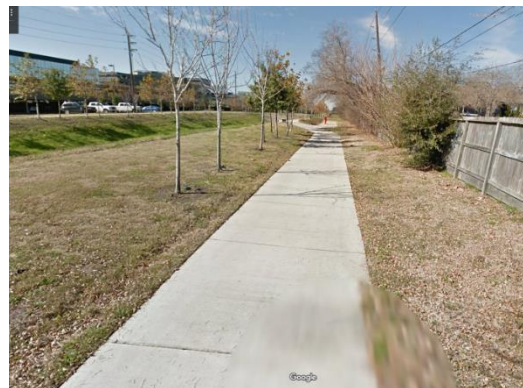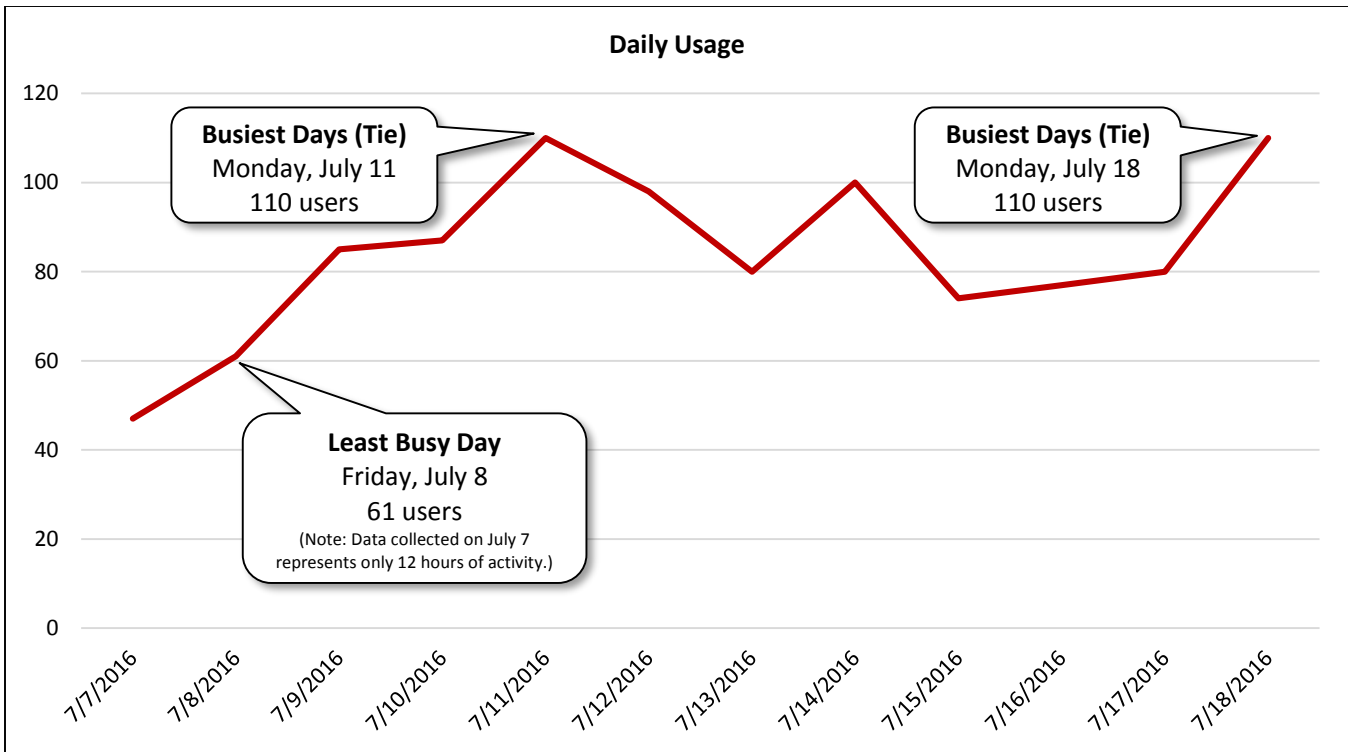Meadowchase Apartments Facing East
(Photo Credit: Google Maps)



Image 10: Library Loop Trail South at
Meadowchase Apartments Facing West
(Photo Credit: Google Maps)

**Daily Usage**
Library Loop Trail North at Meadowchase Apartments

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 47 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 61 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 85 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 87 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 110 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 98 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 80 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 100 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 74 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 77 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 80 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 110 | 93 | 75 | 0 |

| | | | Notes |
| --- | --- | --- | --- |
| **Total** | 1,009 | | Counter H6 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. |
| **Average Daily Usage** | 88 | | |
| **Average Daily Usage (Weekday)** | 91 | | |
| **Average Daily Usage (Weekend)** | 82 | | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Days (Tie)
Monday, July 11
110 users

Busiest Days (Tie)
Monday, July 18
110 users

Least Busy Day
Friday, July 8
61 users
(Note: Data collected on July 7 represents only 12 hours of activity.)

## Hourly Usage
Library Loop Trail North at Meadowchase Apartments

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.6 | 0.9 | 0.3 |
| 1:00 a.m. | 0.8 | 0.7 | 1.0 |
| 2:00 a.m. | 0.9 | 0.9 | 1.0 |
| 3:00 a.m. | 0.5 | 0.3 | 0.8 |
| 4:00 a.m. | 0.7 | 1.0 | 0.3 |
| 5:00 a.m. | 1.5 | 2.0 | 0.5 |
| 6:00 a.m. | 5.9 | 5.9 | 6.0 |
| 7:00 a.m. | 12.1 | 12.3 | 11.8 |
| 8:00 a.m. | 6.5 | 6.0 | 7.3 |
| 9:00 a.m. | 2.9 | 2.1 | 4.3 |
| 10:00 a.m. | 1.4 | 1.3 | 1.5 |
| 11:00 a.m. | 5.1 | 5.0 | 5.3 |
| 12:00 p.m. | 4.7 | 4.9 | 4.3 |
| 1:00 p.m. | 4.8 | 4.5 | 5.3 |
| 2:00 p.m. | 3.8 | 3.3 | 5.0 |
| 3:00 p.m. | 2.9 | 1.9 | 5.0 |
| 4:00 p.m. | 4.4 | 3.8 | 5.8 |
| 5:00 p.m. | 5.9 | 7.1 | 3.5 |
| 6:00 p.m. | 6.8 | 8.1 | 4.0 |
| 7:00 p.m. | 4.3 | 5.1 | 2.5 |
| 8:00 p.m. | 4.6 | 5.5 | 2.8 |
| 9:00 p.m. | 2.1 | 2.6 | 1.0 |
| 10:00 p.m. | 2.3 | 2.9 | 1.3 |
| 11:00 p.m. | 2.0 | 1.9 | 2.3 |
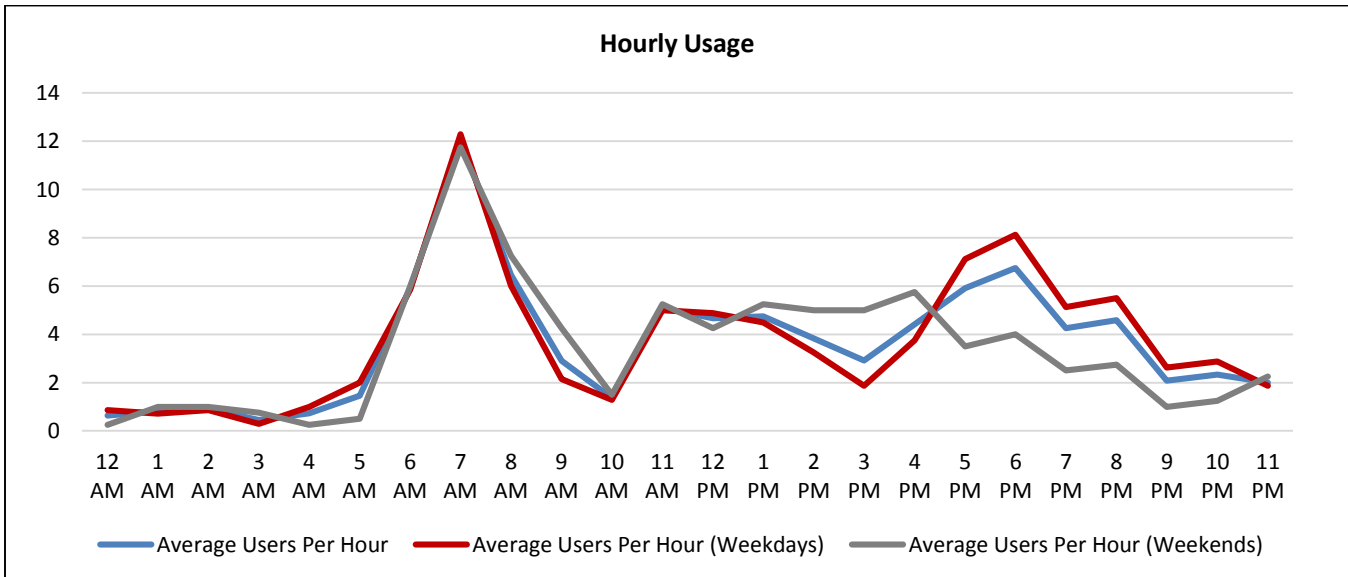
**Counter H7**

Library Loop Trail North at Walnut Bend Lane

| Location Information | | |
|---|---|---|
| Location Name | Library Loop Trail North at Walnut Bend Lane | |
| Location Description | Library Loop Trail (Shared-Use Path) North of Ditch (D124-01-00) East of Walnut Bend Lane | |
| Jurisdiction | City of Houston/Westchase District | |
| Agency Deployed | Westchase District | |
| GPS Coordinates | 29°43'46.18"N, 95°34'2.85"W | |
| Surrounding Land Uses | North | Multi-Family Residential |
| | South | Office, Multi-Family Residential |
| | East | Multi-Family Residential, Office |
| | West | Multi-Family Residential, Office |
| What object was device secured to? | Fence Post | |
| Sidewalk Width | 8' | |
| Buffer Width | N/A (Off-Road Shared-Use Path) | |
| Street Width | N/A (Off-Road Shared-Use Path) | |
| Parallel Parking | N/A (Off-Road Shared-Use Path) | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Excellent | |
| Speed Limit | N/A (Off-Road Shared-Use Path) | |
| Street Lighting | No | |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) | |
| Transit | Yes (METRO Bus Stop 400' North at 3100 Walnut Bend Lane) | |
| Shade | Intermittent | |
| Have counts been collected by H-GAC at this location before? | No | |
| Notes | **Counter H7 malfunctioned and did not collect data during the deployment period.** | |

| Trends |
|---|
| **Counter H7 malfunctioned and did not collect data during the deployment period.** |

**Location Information: Map**
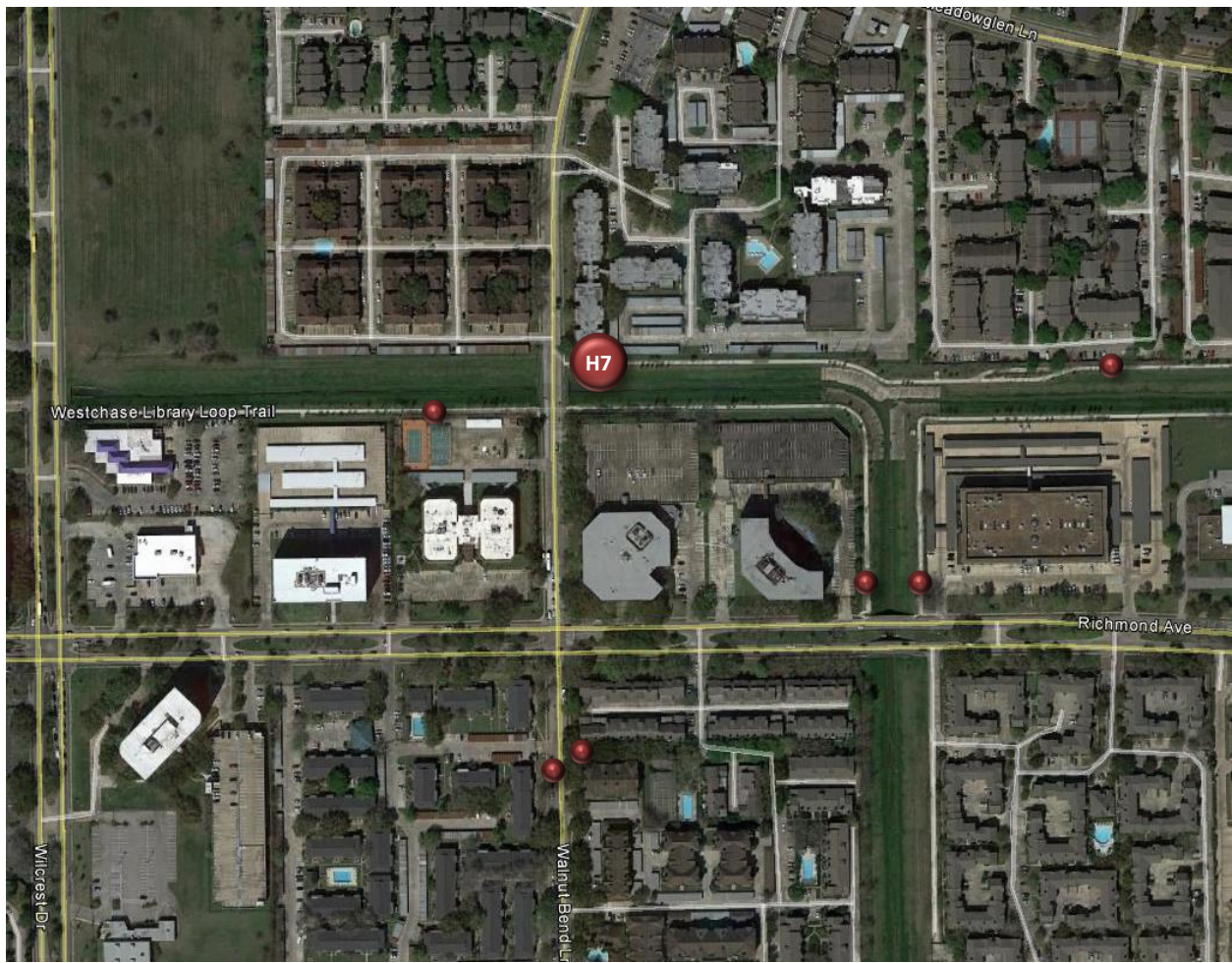


**Location Information: Photos**



Image 11: Library Loop Trail North at Walnut Bend Lane Facing East



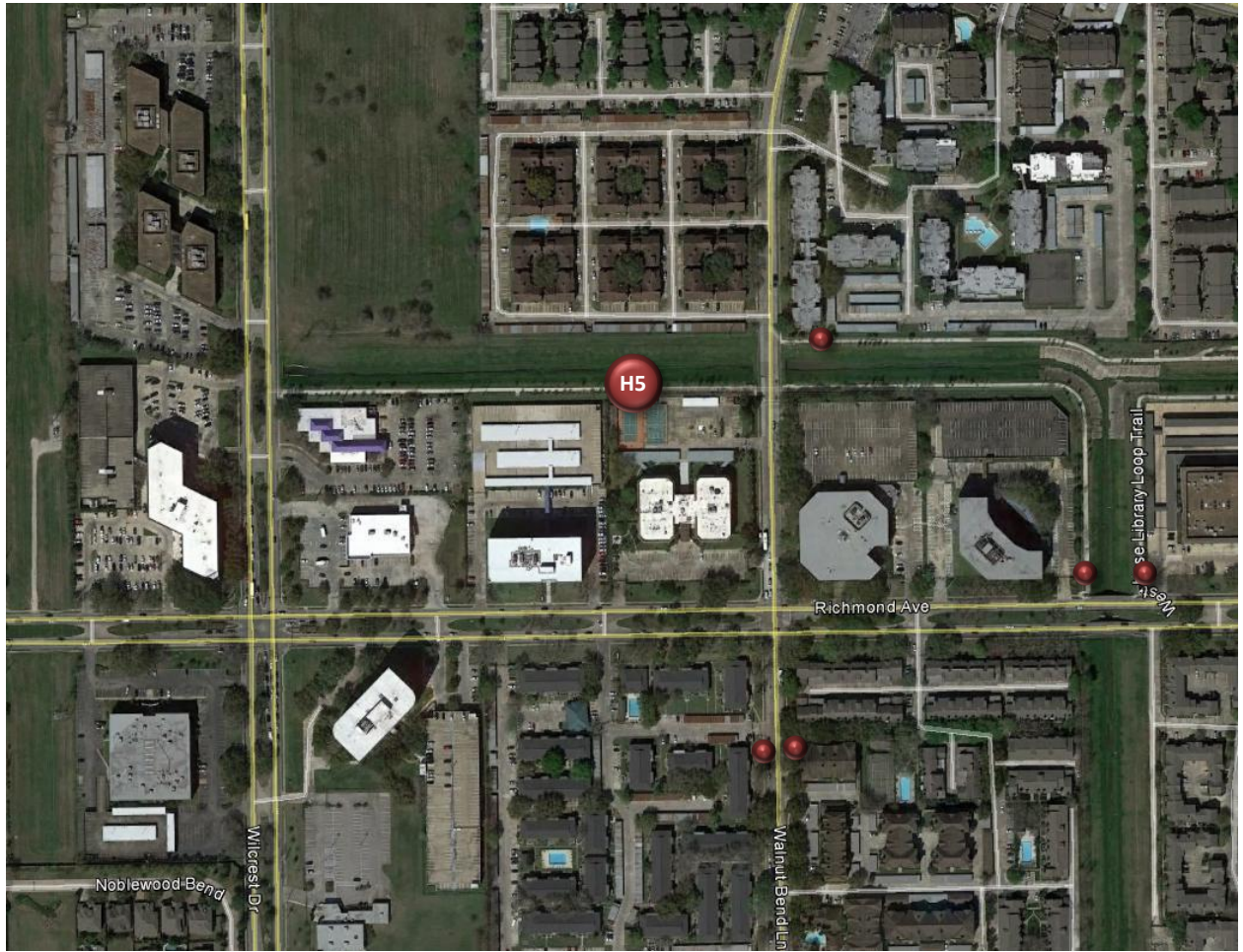Image 12: Library Loop Trail North at Walnut Bend Lane Facing West

**Counter H5**

Library Loop Trail South near Robinson-Westchase Neighborhood Library

| Location Information | |
|---|---|
| Location Name | Library Loop Trail South near Robinson-Westchase Neighborhood Library |
| Location Description | Library Loop Trail (Shared-Use Path) South of Ditch (D124-00-00) East of Robinson-Westchase Neighborhood Library |
| Jurisdiction | City of Houston/Westchase District |
| Agency Deployed | Westchase District |
| GPS Coordinates | 29°43'45.21"N, 95°34'8.67"W |
| Surrounding Land Uses | North | Multi-Family Residential |
| | South | Office, Multi-Family Residential |
| | East | Office, Multi-Family Residential |
| | West | Office, Institutional (Robinson-Westchase Neighborhood Library), Vacant Land |
| What object was device secured to? | Tree |
| Sidewalk Width | 8' |
| Buffer Width | N/A (Off-Road Shared-Use Path) |
| Street Width | N/A (Off-Road Shared-Use Path) |
| Parallel Parking | N/A (Off-Road Shared-Use Path) |
| Landscaping or Trees | Yes |
| Sidewalk Pavement Type | Concrete |
| ADA Ramps | Yes |
| Sidewalk Condition | Excellent |
| Speed Limit | N/A (Off-Road Shared-Use Path) |
| Street Lighting | No |
| Street Traffic Volume | N/A (Off-Road Shared-Use Path) |
| Transit | Yes (METRO Bus Stop 600' Southeast at Richmond Avenue/Walnut Bend Lane) |
| Shade | Intermittent |
| Have counts been collected by H-GAC at this location before? | No |

**Trends**

- Usage tends to be higher on weekdays (79 users/day) than during weekends (54 users/day).
- On weekdays, usage is highest midday (12:00 p.m. – 1:00 p.m.).
- During weekends, usage is highest in the morning (7:00 a.m. – 8:00 a.m.).

**Location Information: Map**



**Location Information: Photos**



Image 13: Library Loop Trail South near Robinson-Westchase Neighborhood Library Facing East
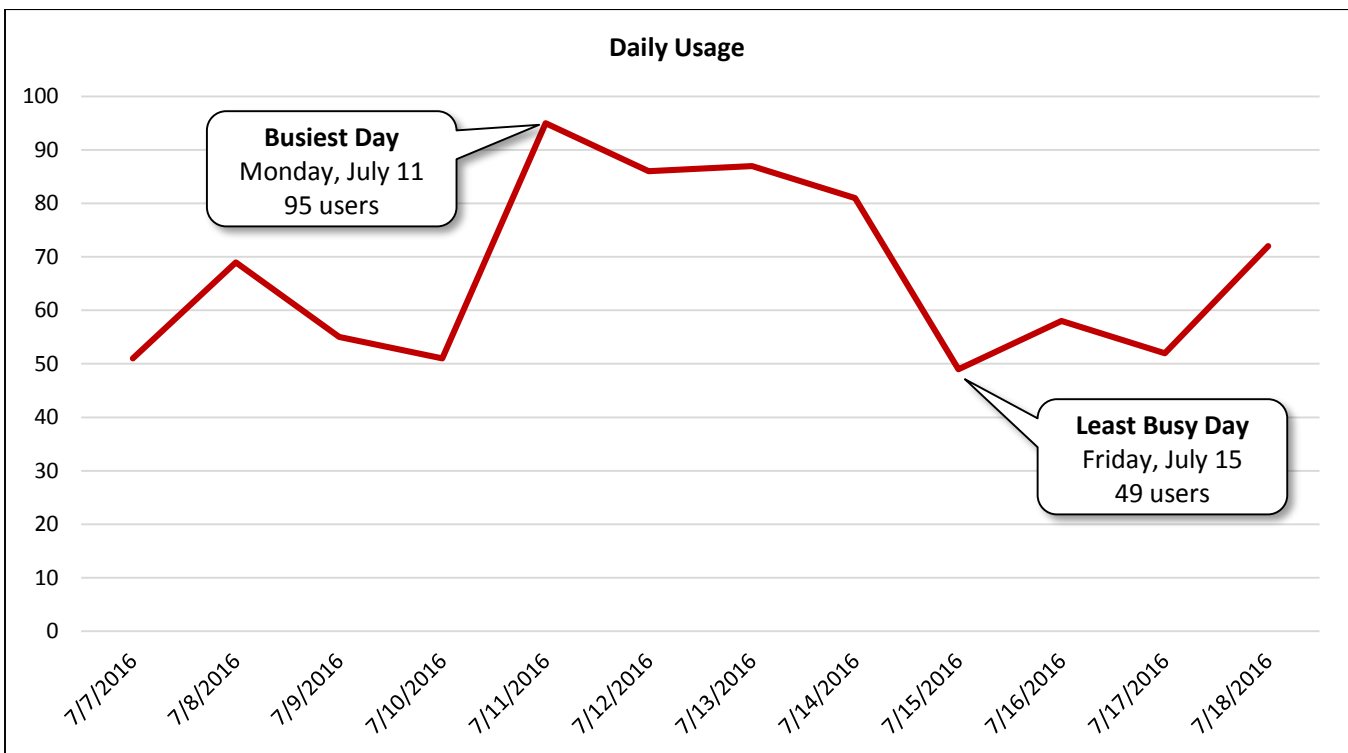


Image 14: Library Loop Trail South near Robinson-Westchase Neighborhood Library Facing West

**Daily Usage**
Library Loop Trail South near Robinson-Westchase Neighborhood Library

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 51 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 69 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 55 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 51 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 95 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 86 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 87 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 81 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 49 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 58 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 52 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 72 | 93 | 75 | 0 |

| | | | Notes |
| --- | --- | --- | --- |
| **Total** | 806 | | Counter H5 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. |
| **Average Daily Usage** | 70 | | |
| **Average Daily Usage (Weekday)** | 79 | | |
| **Average Daily Usage (Weekend)** | 54 | | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Day
Monday, July 11
95 users

Least Busy Day
Friday, July 15
49 users

## Hourly Usage
Library Loop Trail South near Robinson-Westchase Neighborhood Library

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.4 | 0.3 | 0.5 |
| 1:00 a.m. | 0.9 | 0.7 | 1.3 |
| 2:00 a.m. | 0.8 | 1.3 | 0.0 |
| 3:00 a.m. | 0.7 | 1.0 | 0.3 |
| 4:00 a.m. | 0.4 | 0.6 | 0.0 |
| 5:00 a.m. | 1.3 | 1.4 | 1.0 |
| 6:00 a.m. | 2.3 | 2.9 | 1.3 |
| 7:00 a.m. | 6.9 | 6.9 | 7.0 |
| 8:00 a.m. | 3.7 | 3.4 | 4.3 |
| 9:00 a.m. | 4.2 | 4.1 | 4.3 |
| 10:00 a.m. | 2.3 | 2.6 | 1.8 |
| 11:00 a.m. | 3.5 | 3.9 | 3.0 |
| 12:00 p.m. | 9.4 | 11.8 | 4.8 |
| 1:00 p.m. | 3.3 | 3.5 | 2.8 |
| 2:00 p.m. | 3.8 | 3.6 | 4.3 |
| 3:00 p.m. | 4.2 | 4.3 | 4.0 |
| 4:00 p.m. | 4.8 | 5.9 | 2.5 |
| 5:00 p.m. | 2.9 | 3.8 | 1.3 |
| 6:00 p.m. | 3.9 | 4.4 | 3.0 |
| 7:00 p.m. | 3.3 | 3.8 | 2.5 |
| 8:00 p.m. | 3.6 | 4.3 | 2.3 |
| 9:00 p.m. | 1.0 | 1.4 | 0.3 |
| 10:00 p.m. | 1.3 | 1.1 | 1.5 |
| 11:00 p.m. | 0.7 | 0.8 | 0.5 |
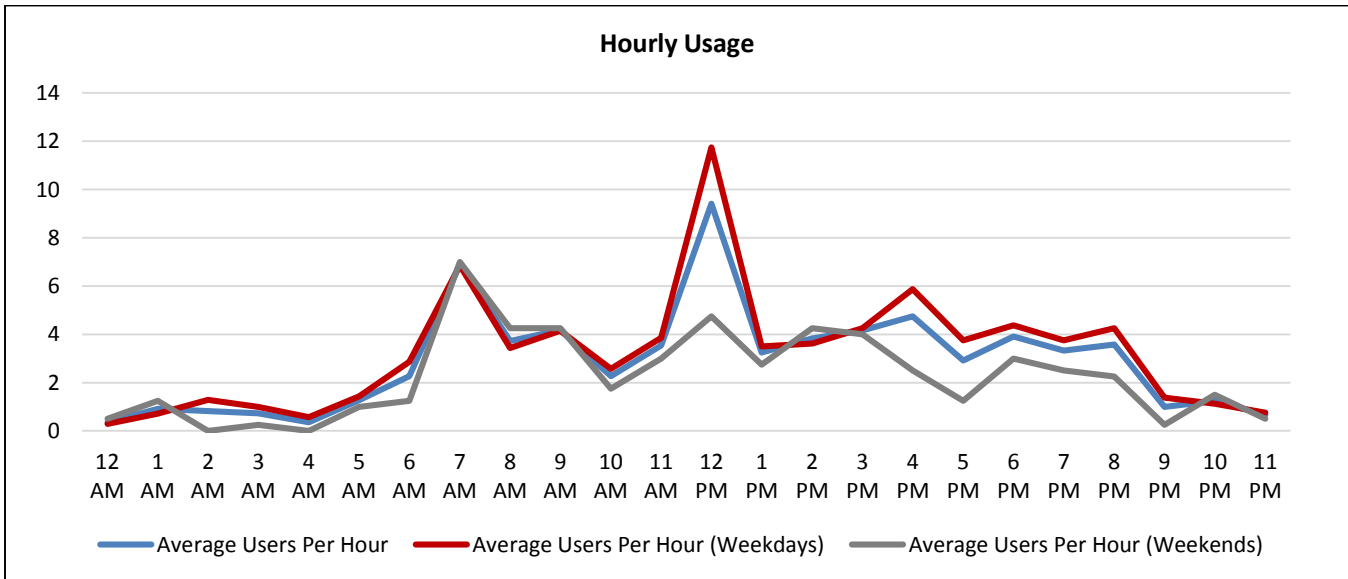
**Counter T1**
Walnut Bend Lane Northbound North of Westpark Drive

| Location Information | | |
|---|---|---|
| Location Name | Walnut Bend Lane Northbound North of Westpark Drive | |
| Location Description | Sidewalk along Walnut Bend Lane Northbound North of Westpark Drive | |
| Jurisdiction | City of Houston/Westchase District | |
| Agency Deployed | Westchase District | |
| GPS Coordinates | 29°43'21.65"N, 95°34'0.82"W | |
| Surrounding Land Uses | North | Office, Institutional (Churches), Multi-Family Residential |
| | South | Office, Industrial |
| | East | Office, Institutional (Church), Vacant Land |
| | West | Office, Multi-Family Residential, Single-Family Residential |
| What object was device secured to? | Post (Gas Line Marker) | |
| Sidewalk Width | 4' | |
| Buffer Width | 4' | |
| Street Width | Two-Lane Undivided Roadway (with Parking Lanes on Both Sides) | |
| Parallel Parking | Yes | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good (Overgrown Vegetation) | |
| Speed Limit | 30 miles per hour | |
| Street Lighting | No | |
| Street Traffic Volume | Not Available | |
| Transit | Yes<br>(METRO Bus Stop 300' North at Walnut Bend Lane/Wilcrest Green Drive and 350' South at Walnut Bend Lane/Westpark Drive) | |
| Shade | Intermittent | |
| Have counts been collected by H-GAC at this location before? | No | |
| Notes | At this location, there is only a sidewalk along one side of Walnut Bend Lane. There is a sidewalk along the northbound travel lanes, but not the southbound travel lanes. | |
| | Funding has been allocated through the H-GAC 2017-2020 Transportation Improvement Program (TIP) to reconstruct Walnut Bend Lane between Westheimer Road and Westpark Drive. New sidewalks, pedestrian ramps, lighting, landscaping, and other improvements are planned and expected in FY2018. | |

| Trends |
|---|
| • Pedestrian usage is generally low at this location (11 users/day). |
| • Usage tends to be higher on weekdays (13 users/day) than during weekends (8 users/day). |
| • On weekdays, usage is highest in the evening (5:00 p.m. – 6:00 p.m.). |
| • During weekends, usage is highest in the morning (9:00 a.m. – 10:00 a.m.). |

**Location Information: Map**
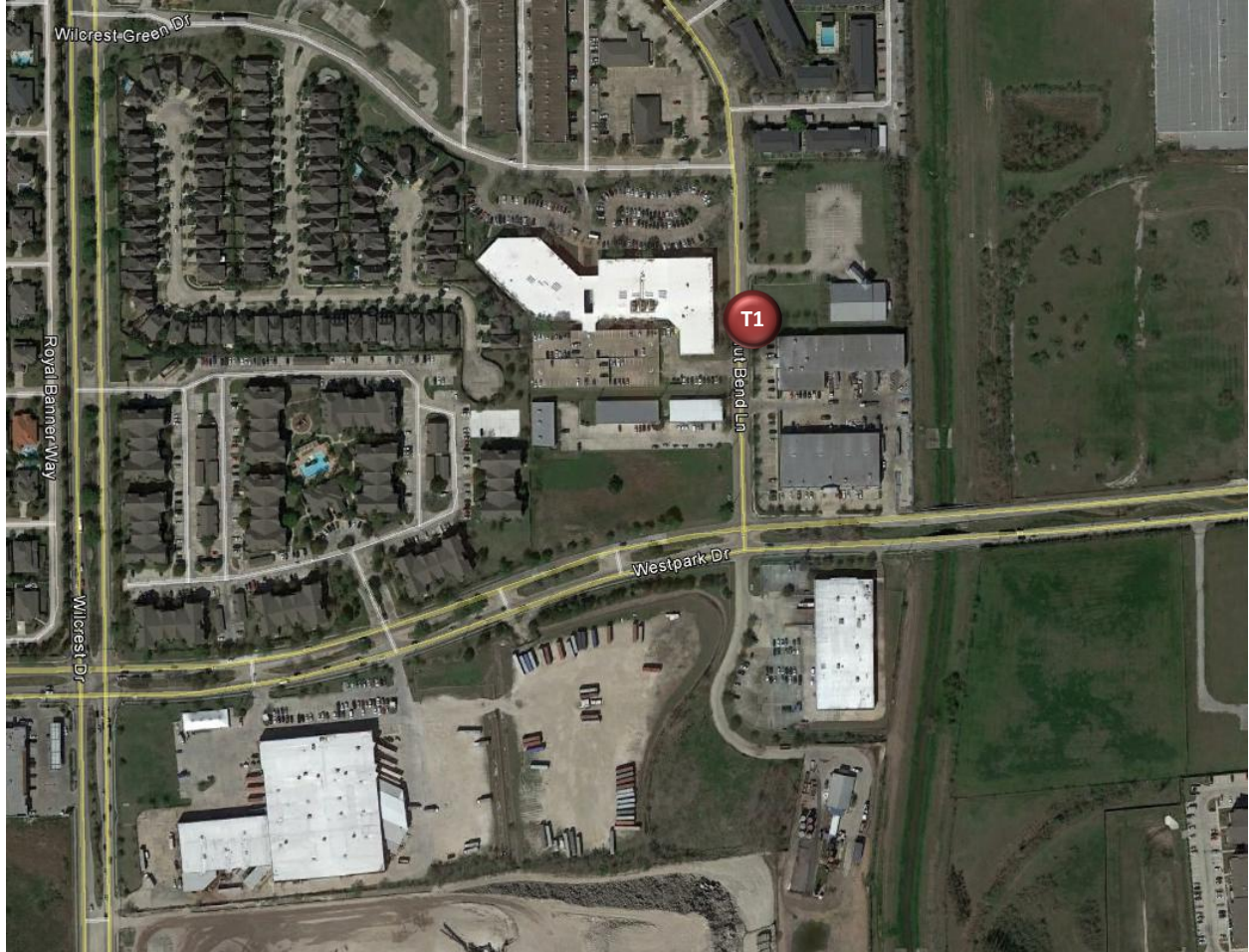


**Location Information: Photos**



Image 15: Sidewalk along Walnut Bend Lane Northbound North of Westpark Drive Facing North
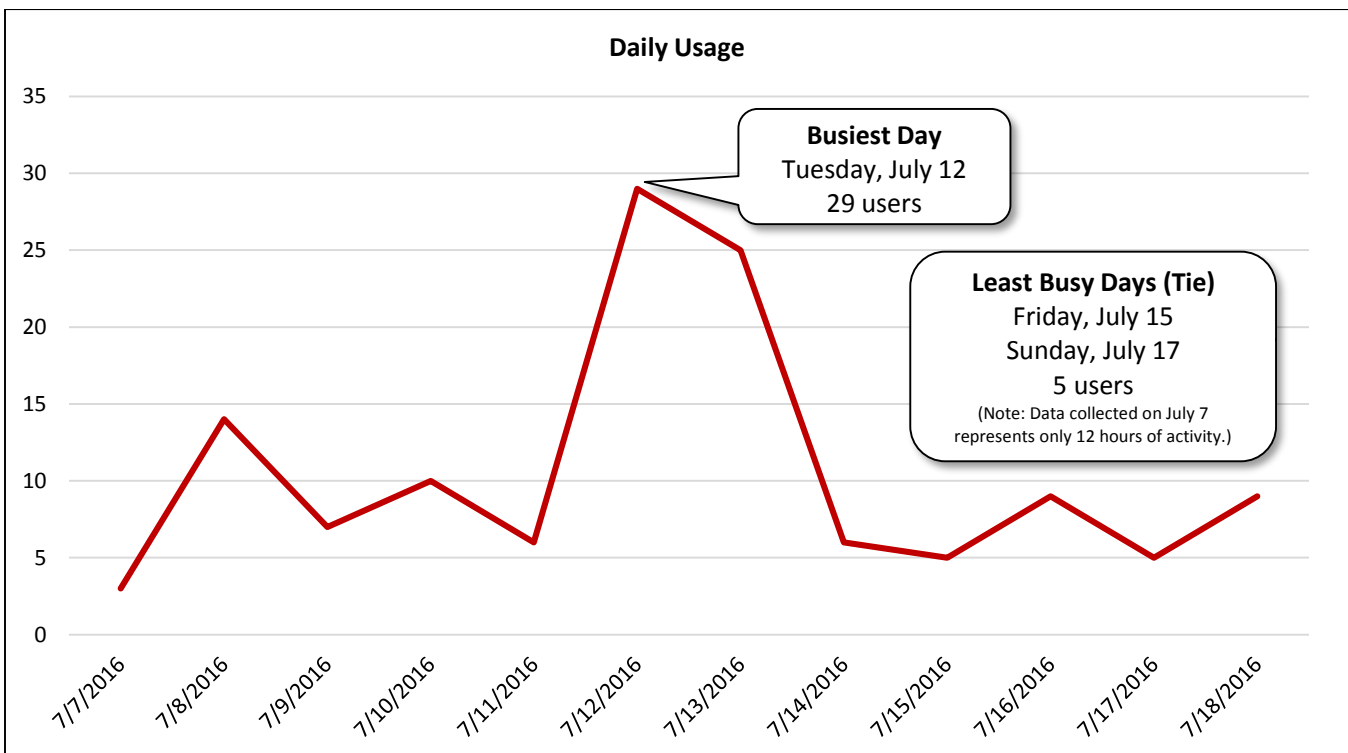


Image 16: Sidewalk along Walnut Bend Lane Northbound North of Westpark Drive Facing South

**Daily Usage**
Walnut Bend Lane Northbound North of Westpark Drive

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 3 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 14 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 7 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 10 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 6 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 29 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 25 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 6 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 5 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 9 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 5 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 9 | 93 | 75 | 0 |

| | | | **Notes** |
| --- | --- | --- | --- |
| **Total** | 128 | | Counter T1 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. |
| **Average Daily Usage** | 11 | | |
| **Average Daily Usage (Weekday)** | 13 | | |
| **Average Daily Usage (Weekend)** | 8 | | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Day
Tuesday, July 12
29 users

Least Busy Days (Tie)
Friday, July 15
Sunday, July 17
5 users
(Note: Data collected on July 7 represents only 12 hours of activity.)

**Hourly Usage**
Walnut Bend Lane Northbound North of Westpark Drive

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.0 | 0.0 | 0.0 |
| 1:00 a.m. | 0.0 | 0.0 | 0.0 |
| 2:00 a.m. | 0.1 | 0.0 | 0.3 |
| 3:00 a.m. | 0.2 | 0.3 | 0.0 |
| 4:00 a.m. | 0.0 | 0.0 | 0.0 |
| 5:00 a.m. | 0.1 | 0.1 | 0.0 |
| 6:00 a.m. | 0.6 | 0.7 | 0.5 |
| 7:00 a.m. | 1.1 | 1.1 | 1.0 |
| 8:00 a.m. | 1.3 | 1.7 | 0.5 |
| 9:00 a.m. | 0.5 | 0.0 | 1.5 |
| 10:00 a.m. | 0.5 | 0.6 | 0.3 |
| 11:00 a.m. | 0.3 | 0.3 | 0.3 |
| 12:00 p.m. | 0.3 | 0.3 | 0.5 |
| 1:00 p.m. | 0.5 | 0.3 | 1.0 |
| 2:00 p.m. | 0.6 | 0.6 | 0.5 |
| 3:00 p.m. | 1.4 | 2.0 | 0.3 |
| 4:00 p.m. | 0.3 | 0.3 | 0.3 |
| 5:00 p.m. | 1.8 | 2.6 | 0.3 |
| 6:00 p.m. | 0.6 | 0.8 | 0.3 |
| 7:00 p.m. | 0.1 | 0.1 | 0.0 |
| 8:00 p.m. | 0.1 | 0.1 | 0.0 |
| 9:00 p.m. | 0.5 | 0.5 | 0.5 |
| 10:00 p.m. | 0.3 | 0.4 | 0.0 |
| 11:00 p.m. | 0.0 | 0.0 | 0.0 |



Hourly Usage

**Counter T2**
Walnut Bend Lane Northbound South of Richmond Avenue

| Location Information | | |
|---|---|---|
| Location Name | Walnut Bend Lane Northbound South of Richmond Avenue | |
| Location Description | Sidewalk along Walnut Bend Lane Northbound South of Richmond Avenue | |
| Jurisdiction | City of Houston/Westchase District | |
| Agency Deployed | Westchase District | |
| GPS Coordinates | 29°43'37.28"N, 95°34'4.72"W | |
| Surrounding Land Uses | North | Multi-Family Residential, Office |
| | South | Multi-Family Residential, Office |
| | East | Multi-Family Residential |
| | West | Multi-Family Residential, Office |
| What object was device secured to? | Post with Electric Meter | |
| Sidewalk Width | 4' | |
| Buffer Width | 4' | |
| Street Width | Two-Lane Undivided Roadway (with Parking Lanes on Both Sides) | |
| Parallel Parking | Yes | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Fair (Some Unevenness and Debris on Sidewalk) | |
| Speed Limit | 30 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | Not Available | |
| Transit | Yes<br>(METRO Bus Stop 180' North at Richmond Avenue/Walnut Bend Lane) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | No | |
| Notes | Funding has been allocated through the H-GAC 2017-2020 Transportation Improvement Program (TIP) to reconstruct Walnut Bend Lane between Westheimer Road and Westpark Drive. New sidewalks, pedestrian ramps, lighting, landscaping, and other improvements are planned and expected in FY2018. | |

| Trends |
|---|
| • Usage tends to be higher on weekdays (87 users/day) than during weekends (64 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.). |

**Location Information: Map**
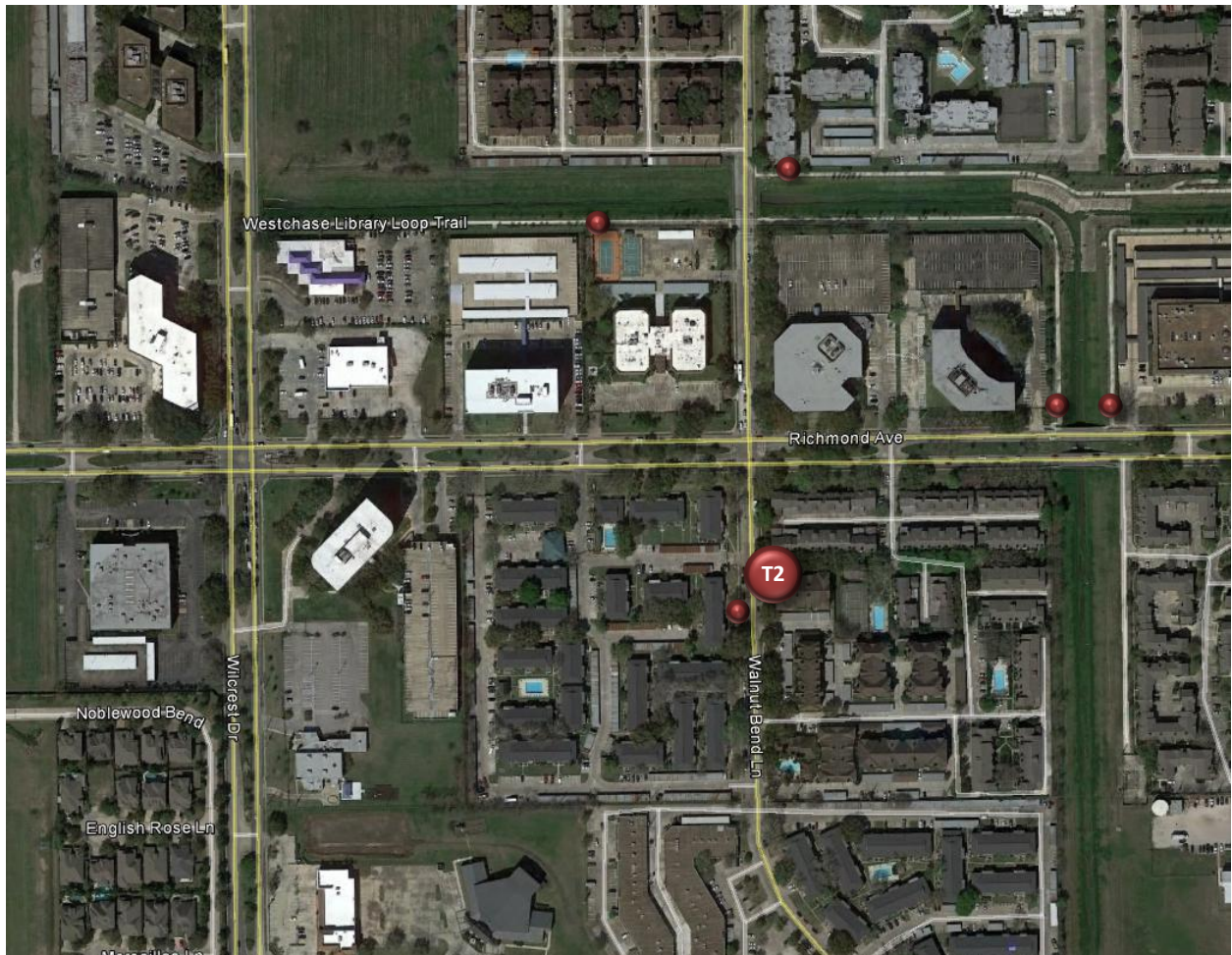


**Location Information: Photos**



Image 17: Sidewalk along Walnut Bend Lane Northbound South of Richmond Avenue Facing North
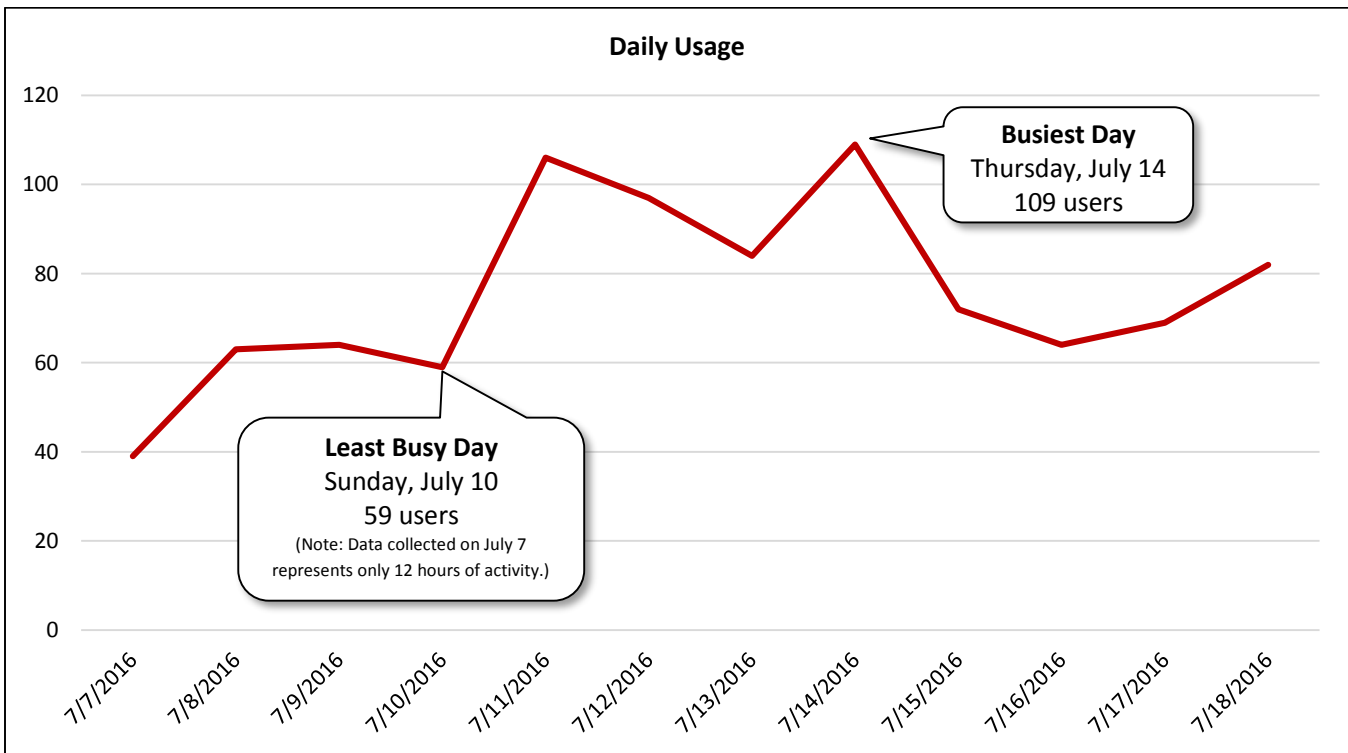


Image 18: Sidewalk along Walnut Bend Lane Northbound South of Richmond Avenue Facing South

**Daily Usage**
Walnut Bend Lane Northbound South of Richmond Avenue

| Date | Users | Select Weather Data* | | |
|---|---|---|---|---|
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 39 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 63 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 64 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 59 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 106 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 97 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 84 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 109 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 72 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 64 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 69 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 82 | 93 | 75 | 0 |

| | |
|---|---|
| **Total** | 908 |
| **Average Daily Usage** | 79 |
| **Average Daily Usage (Weekday)** | 87 |
| **Average Daily Usage (Weekend)** | 64 |

**Notes**

Counter T2 began collecting data at 12:00 p.m. on Thursday, July 7, 2016.

*Weather conditions recorded at KSGR.

**Daily Usage**

Busiest Day
Thursday, July 14
109 users

Least Busy Day
Sunday, July 10
59 users
(Note: Data collected on July 7 represents only 12 hours of activity.)

## Hourly Usage
Walnut Bend Lane Northbound South of Richmond Avenue

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.6 | 0.6 | 0.8 |
| 1:00 a.m. | 0.4 | 0.4 | 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 | 0.1 | 1.0 |
| 5:00 a.m. | 0.4 | 0.4 | 0.3 |
| 6:00 a.m. | 2.6 | 3.3 | 1.5 |
| 7:00 a.m. | 4.5 | 5.4 | 3.0 |
| 8:00 a.m. | 4.5 | 5.7 | 2.5 |
| 9:00 a.m. | 2.7 | 3.0 | 2.3 |
| 10:00 a.m. | 6.4 | 6.3 | 6.5 |
| 11:00 a.m. | 3.5 | 2.6 | 5.0 |
| 12:00 p.m. | 4.3 | 4.8 | 3.5 |
| 1:00 p.m. | 3.7 | 3.5 | 4.0 |
| 2:00 p.m. | 5.1 | 5.4 | 4.5 |
| 3:00 p.m. | 3.9 | 5.0 | 1.8 |
| 4:00 p.m. | 5.4 | 5.9 | 4.5 |
| 5:00 p.m. | 5.6 | 5.5 | 5.8 |
| 6:00 p.m. | 6.8 | 7.6 | 5.3 |
| 7:00 p.m. | 7.0 | 7.8 | 5.5 |
| 8:00 p.m. | 4.3 | 5.4 | 2.3 |
| 9:00 p.m. | 2.8 | 3.6 | 1.0 |
| 10:00 p.m. | 1.9 | 1.8 | 2.3 |
| 11:00 p.m. | 0.9 | 1.0 | 0.8 |

**Counter T3**

Walnut Bend Lane Southbound South of Richmond Avenue

| Location Information | | |
|---|---|---|
| Location Name | Walnut Bend Lane Southbound South of Richmond Avenue | |
| Location Description | Sidewalk along Walnut Bend Lane Southbound South of Richmond Avenue | |
| Jurisdiction | City of Houston/Westchase District | |
| Agency Deployed | Westchase District | |
| GPS Coordinates | 29°43'36.61"N, 95°34'5.06"W | |
| Surrounding Land Uses | North | Multi-Family Residential, Office |
| | South | Multi-Family Residential, Office |
| | East | Multi-Family Residential |
| | West | Multi-Family Residential |
| What object was device secured to? | Light Post (#265697) | |
| Sidewalk Width | 4' | |
| Buffer Width | 4' | |
| Street Width | Two-Lane Undivided Roadway (with Parking Lanes on Both Sides) | |
| Parallel Parking | Yes | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Fair (Some Unevenness) | |
| Speed Limit | 30 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | Not Available | |
| Transit | Yes (METRO Bus Stop 280' North at Richmond Avenue/Walnut Bend Lane) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | No | |
| Notes | Funding has been allocated through the H-GAC 2017-2020 Transportation Improvement Program (TIP) to reconstruct Walnut Bend Lane between Westheimer Road and Westpark Drive. New sidewalks, pedestrian ramps, lighting, landscaping, and other improvements are planned and expected in FY2018. | |

| Trends |
|---|
| • Usage tends to be higher on weekdays (63 users/day) than during weekends (48 users/day). |
| • On weekdays, usage varies throughout the day, with increased usage in the late morning (10:00 a.m. – 11:00 a.m.), late afternoon (4:00 p.m. – 5:00 p.m.), and later in the evening (8:00 p.m. – 9:00 p.m.). |
| • During weekends, usage is highest at night (10:00 p.m. – 11:00 p.m.). |

**Location Information: Map**
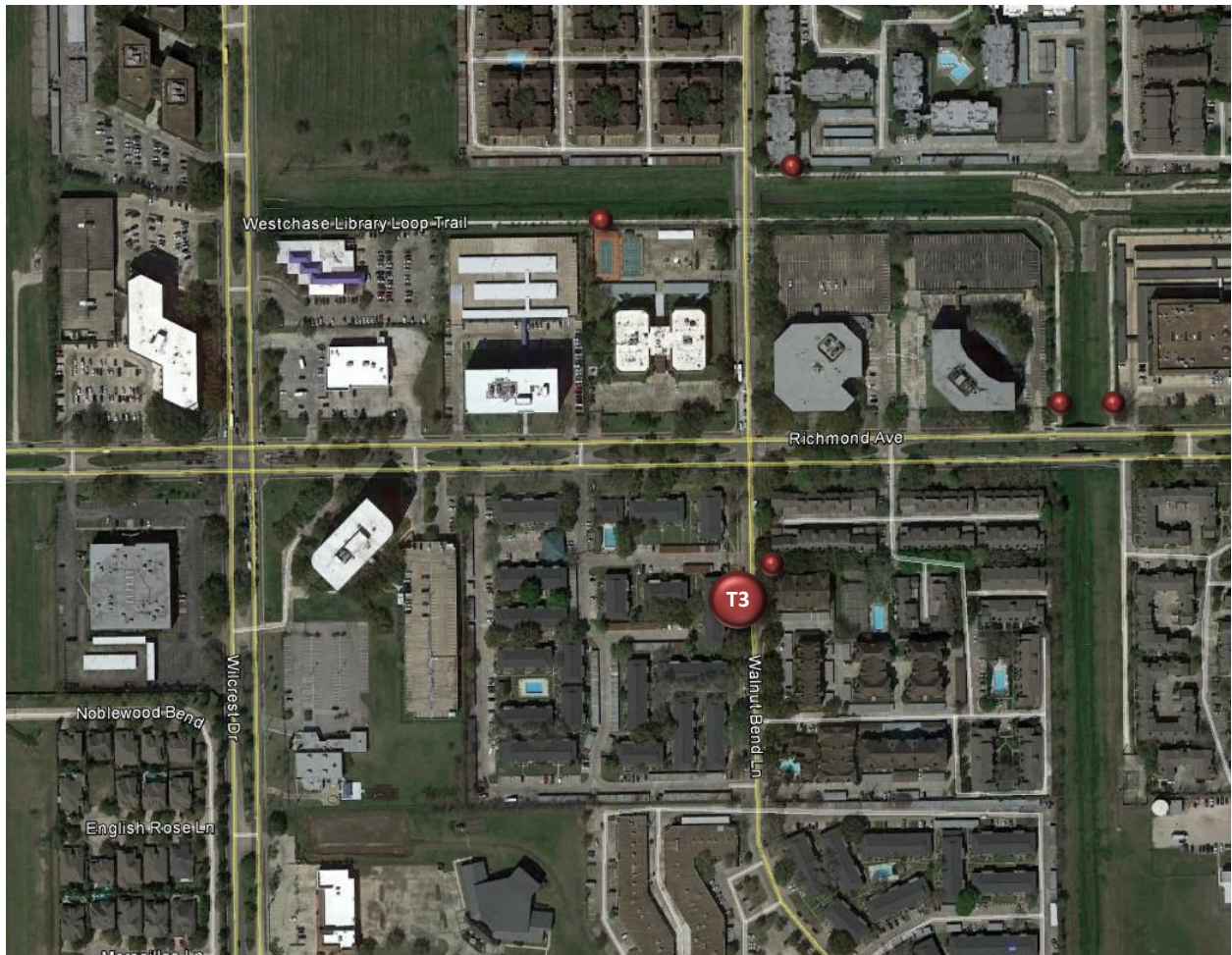


**Location Information: Photos**



Image 19: Sidewalk along Walnut Bend Lane Southbound South of Richmond Avenue Facing North
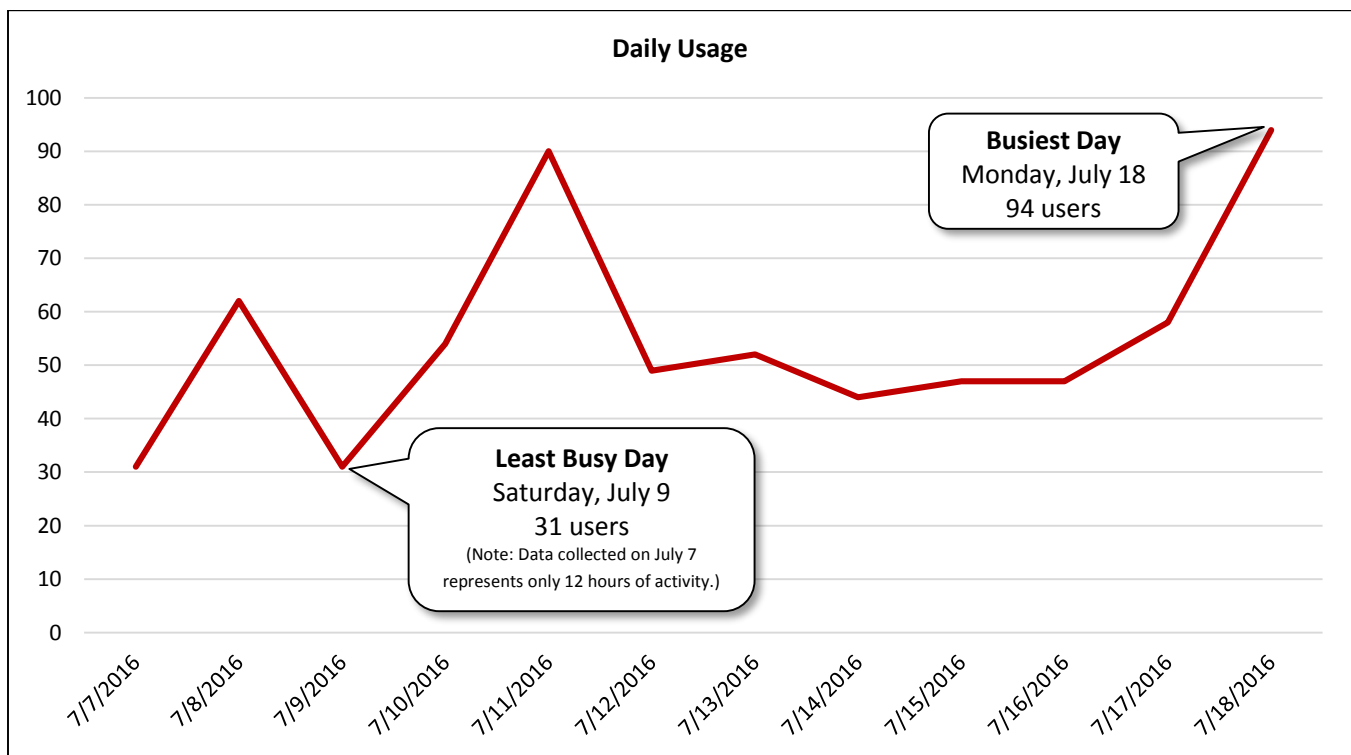


Image 20: Sidewalk along Walnut Bend Lane Southbound South of Richmond Avenue Facing South

## Daily Usage
Walnut Bend Lane Southbound South of Richmond Avenue

| Date | Users | Select Weather Data* | | |
|---|---|---|---|---|
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 31 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 62 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 31 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 54 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 90 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 49 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 52 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 44 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 47 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 47 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 58 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 94 | 93 | 75 | 0 |

| | | | Notes |
|---|---|---|---|
| **Total** | 659 | | Counter T3 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. |
| **Average Daily Usage** | 57 | | |
| **Average Daily Usage (Weekday)** | 63 | | |
| **Average Daily Usage (Weekend)** | 48 | | |

*Weather conditions recorded at KSGR.



**Daily Usage**

Busiest Day
Monday, July 18
94 users

Least Busy Day
Saturday, July 9
31 users
(Note: Data collected on July 7 represents only 12 hours of activity.)

**Hourly Usage**
Walnut Bend Lane Southbound South of Richmond Avenue

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 1.1 | 0.9 | 1.5 |
| 1:00 a.m. | 0.3 | 0.1 | 0.5 |
| 2:00 a.m. | 0.5 | 0.3 | 0.8 |
| 3:00 a.m. | 0.4 | 0.1 | 0.8 |
| 4:00 a.m. | 0.9 | 0.7 | 1.3 |
| 5:00 a.m. | 0.2 | 0.1 | 0.3 |
| 6:00 a.m. | 0.6 | 0.6 | 0.8 |
| 7:00 a.m. | 1.3 | 1.3 | 1.3 |
| 8:00 a.m. | 1.9 | 2.9 | 0.3 |
| 9:00 a.m. | 2.8 | 3.0 | 2.5 |
| 10:00 a.m. | 3.6 | 5.1 | 1.0 |
| 11:00 a.m. | 2.4 | 2.6 | 2.0 |
| 12:00 p.m. | 2.6 | 2.4 | 3.0 |
| 1:00 p.m. | 2.3 | 2.0 | 3.0 |
| 2:00 p.m. | 2.7 | 2.9 | 2.3 |
| 3:00 p.m. | 3.5 | 4.8 | 1.0 |
| 4:00 p.m. | 4.3 | 5.0 | 2.8 |
| 5:00 p.m. | 3.2 | 3.5 | 2.5 |
| 6:00 p.m. | 2.5 | 2.6 | 2.3 |
| 7:00 p.m. | 4.3 | 4.6 | 3.5 |
| 8:00 p.m. | 4.6 | 5.4 | 3.0 |
| 9:00 p.m. | 3.4 | 3.4 | 3.5 |
| 10:00 p.m. | 5.0 | 4.6 | 5.8 |
| 11:00 p.m. | 2.1 | 2.0 | 2.3 |



Hourly Usage

**Counter T4**
Walnut Bend Lane Northbound South of Westheimer Road

| Location Information | | |
|---|---|---|
| Location Name | Walnut Bend Lane Northbound South of Westheimer Road | |
| Location Description | Sidewalk along Walnut Bend Lane Northbound South of Westheimer Road | |
| Jurisdiction | City of Houston/Westchase District | |
| Agency Deployed | Westchase District | |
| GPS Coordinates | 29°44'4.12"N, 95°34'0.51"W | |
| Surrounding Land Uses | North | Office, Retail |
| | South | Multi-Family Residential, Retail |
| | East | Multi-Family Residential, Office, Retail |
| | West | Multi-Family Residential, Retail |
| What object was device secured to? | Sign Post (Pedestrian Crossing Ahead) | |
| Sidewalk Width | 4' | |
| Buffer Width | 4' | |
| Street Width | Two-Lane Undivided Roadway (with Parking on Both Sides South of Counter T4) | |
| Parallel Parking | No | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | 30 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | Not Available | |
| Transit | Yes (METRO Bus Stop 50' South at 2801 Walnut Bend Lane) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | No | |
| Notes | Funding has been allocated through the H-GAC 2017-2020 Transportation Improvement Program (TIP) to reconstruct Walnut Bend Lane between Westheimer Road and Westpark Drive. New sidewalks, pedestrian ramps, lighting, landscaping, and other improvements are planned and expected in FY2018. | |

| Trends |
|---|
| • Usage tends to be higher on weekdays (74 users/day) than during weekends (52 users/day). |
| • On weekdays, usage is highest in the evening (5:00 p.m. – 6:00 p.m.). |
| • During weekends, usage is highest in the evening (6:00 p.m. – 7:00 p.m.). |

**Location Information: Map**
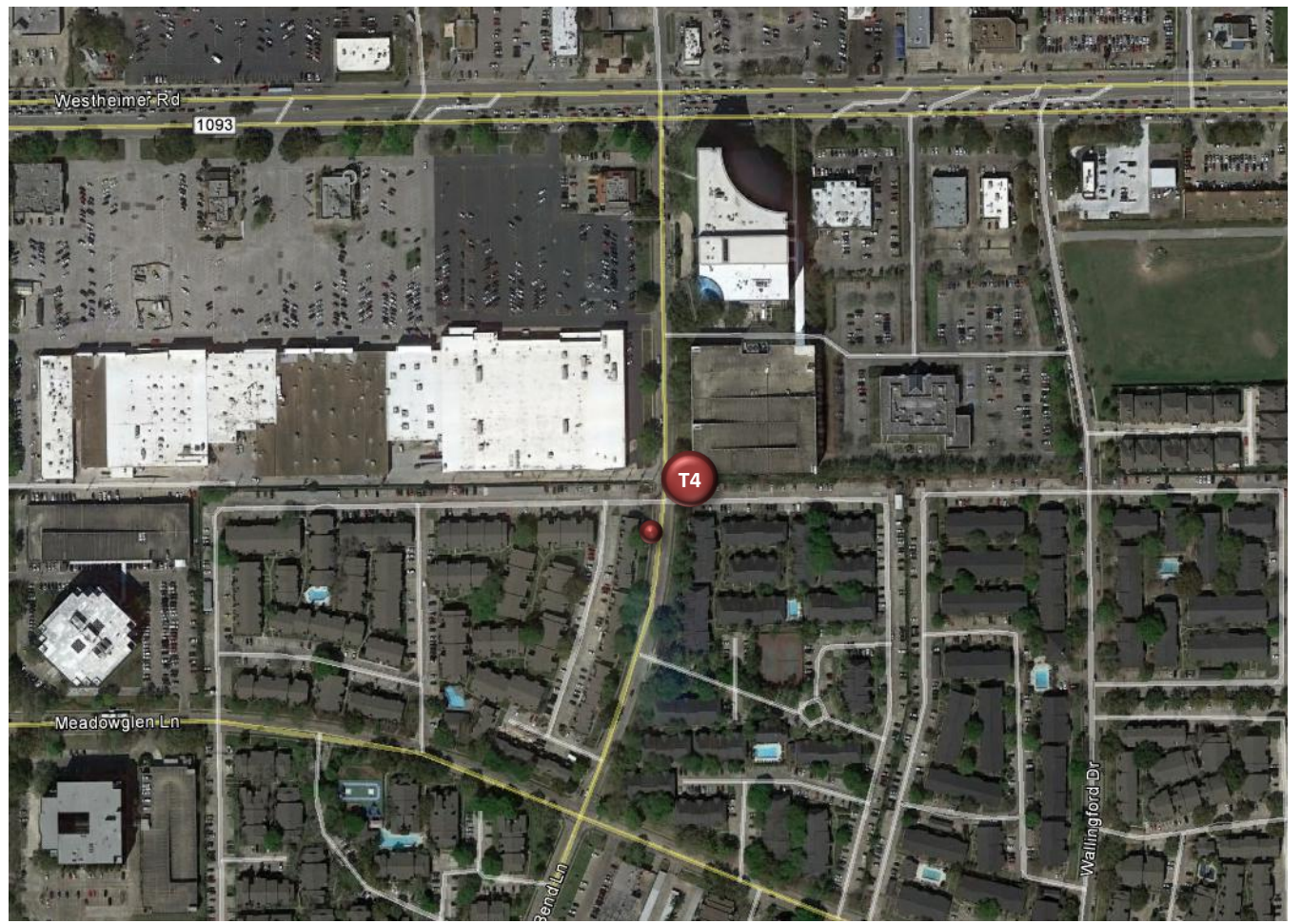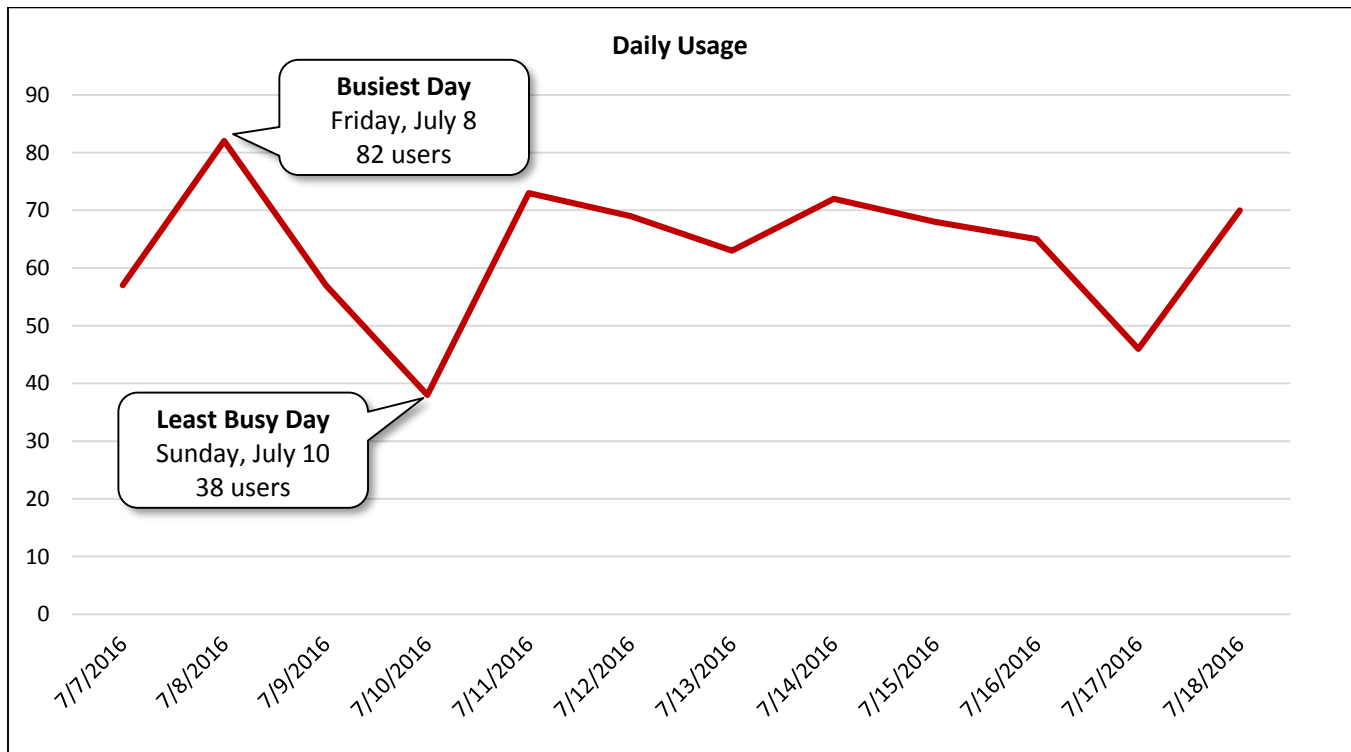


**Location Information: Photos**



Image 21: Sidewalk along Walnut Bend Lane Northbound South of Westheimer Road Facing North
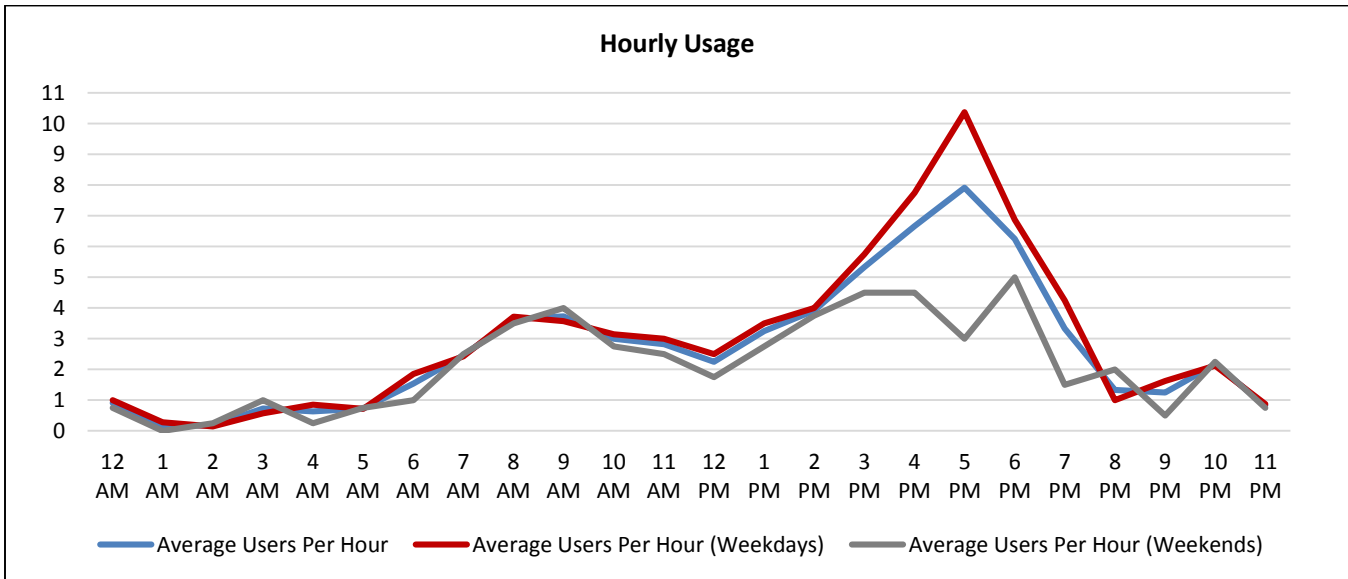


Image 22: Sidewalk along Walnut Bend Lane Northbound South of Westheimer Road Facing South

## Daily Usage
Walnut Bend Lane Northbound South of Westheimer Road

| Date | Users | Select Weather Data* | | |
| --- | --- | --- | --- | --- |
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 57 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 82 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 57 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 38 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 73 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 69 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 63 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 72 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 68 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 65 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 46 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 70 | 93 | 75 | 0 |

| | | | Notes |
| --- | --- | --- | --- |
| Total | 760 | | Counter T4 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. |
| Average Daily Usage | 66 | | |
| Average Daily Usage (Weekday) | 74 | | |
| Average Daily Usage (Weekend) | 52 | | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Day
Friday, July 8
82 users

Least Busy Day
Sunday, July 10
38 users

**Hourly Usage**
Walnut Bend Lane Northbound South of Westheimer Road

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 0.9 | 1.0 | 0.8 |
| 1:00 a.m. | 0.2 | 0.3 | 0.0 |
| 2:00 a.m. | 0.2 | 0.1 | 0.3 |
| 3:00 a.m. | 0.7 | 0.6 | 1.0 |
| 4:00 a.m. | 0.6 | 0.9 | 0.3 |
| 5:00 a.m. | 0.7 | 0.7 | 0.8 |
| 6:00 a.m. | 1.5 | 1.9 | 1.0 |
| 7:00 a.m. | 2.5 | 2.4 | 2.5 |
| 8:00 a.m. | 3.6 | 3.7 | 3.5 |
| 9:00 a.m. | 3.7 | 3.6 | 4.0 |
| 10:00 a.m. | 3.0 | 3.1 | 2.8 |
| 11:00 a.m. | 2.8 | 3.0 | 2.5 |
| 12:00 p.m. | 2.3 | 2.5 | 1.8 |
| 1:00 p.m. | 3.3 | 3.5 | 2.8 |
| 2:00 p.m. | 3.9 | 4.0 | 3.8 |
| 3:00 p.m. | 5.3 | 5.8 | 4.5 |
| 4:00 p.m. | 6.7 | 7.8 | 4.5 |
| 5:00 p.m. | 7.9 | 10.4 | 3.0 |
| 6:00 p.m. | 6.3 | 6.9 | 5.0 |
| 7:00 p.m. | 3.3 | 4.3 | 1.5 |
| 8:00 p.m. | 1.3 | 1.0 | 2.0 |
| 9:00 p.m. | 1.3 | 1.6 | 0.5 |
| 10:00 p.m. | 2.2 | 2.1 | 2.3 |
| 11:00 p.m. | 0.8 | 0.9 | 0.8 |

**Counter T5**

Walnut Bend Lane Southbound South of Westheimer Road

| Location Information | | |
|---|---|---|
| Location Name | Walnut Bend Lane Southbound South of Westheimer Road | |
| Location Description | Sidewalk along Walnut Bend Lane Southbound South of Westheimer Road | |
| Jurisdiction | City of Houston/Westchase District | |
| Agency Deployed | Westchase District | |
| GPS Coordinates | 29°44'4.12"N, 95°34'0.51"W | |
| Surrounding Land Uses | North | Office, Retail |
| | South | Multi-Family Residential, Retail |
| | East | Multi-Family Residential, Office, Retail |
| | West | Multi-Family Residential, Retail |
| What object was device secured to? | Sign Post (No Parking) | |
| Sidewalk Width | 4' | |
| Buffer Width | 4' | |
| Street Width | Two-Lane Undivided Roadway (with Parking on Both Sides South of Counter T5) | |
| Parallel Parking | No | |
| Landscaping or Trees | Yes | |
| Sidewalk Pavement Type | Concrete | |
| ADA Ramps | Yes | |
| Sidewalk Condition | Good | |
| Speed Limit | 30 miles per hour | |
| Street Lighting | Yes | |
| Street Traffic Volume | Not Available | |
| Transit | Yes (METRO Bus Stop 30' South along Walnut Bend Lane) | |
| Shade | Yes | |
| Have counts been collected by H-GAC at this location before? | No | |
| Notes | Funding has been allocated through the H-GAC 2017-2020 Transportation Improvement Program (TIP) to reconstruct Walnut Bend Lane between Westheimer Road and Westpark Drive. New sidewalks, pedestrian ramps, lighting, landscaping, and other improvements are planned and expected in FY2018. | |

| Trends |
|---|
| • Usage tends to be much higher on weekdays (228 users/day) than during weekends (167 users/day). |
| • On weekdays, usage is highest in the afternoon hours, peaking between 1:00 p.m. and 2:00 p.m. |
| • During weekends, usage is highest in the evening (5:00 p.m. – 7:00 p.m.). |

**Location Information: Map**
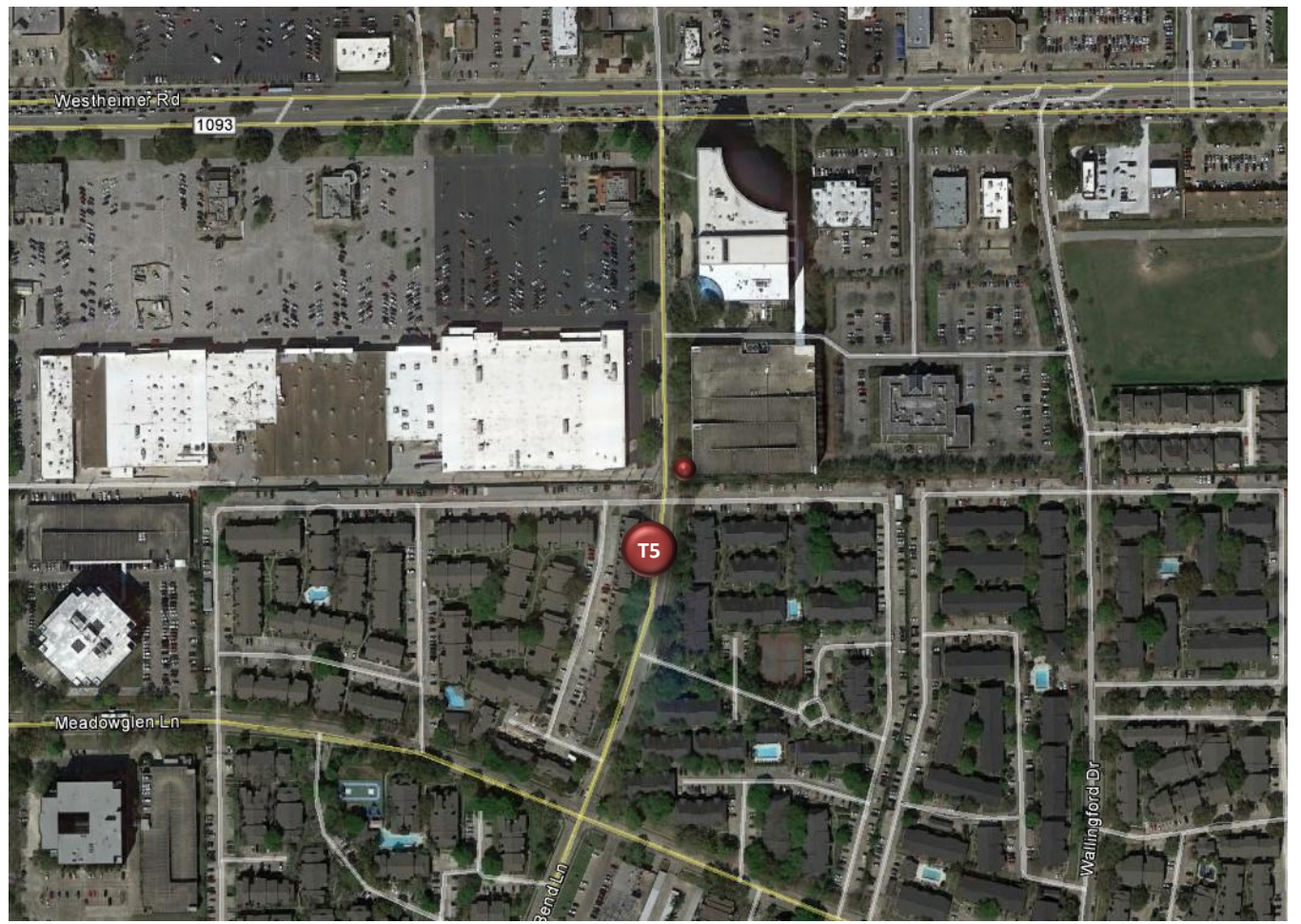


**Location Information: Photos**



Image 23: Sidewalk along Walnut Bend Lane Southbound South of Westheimer Road Facing North
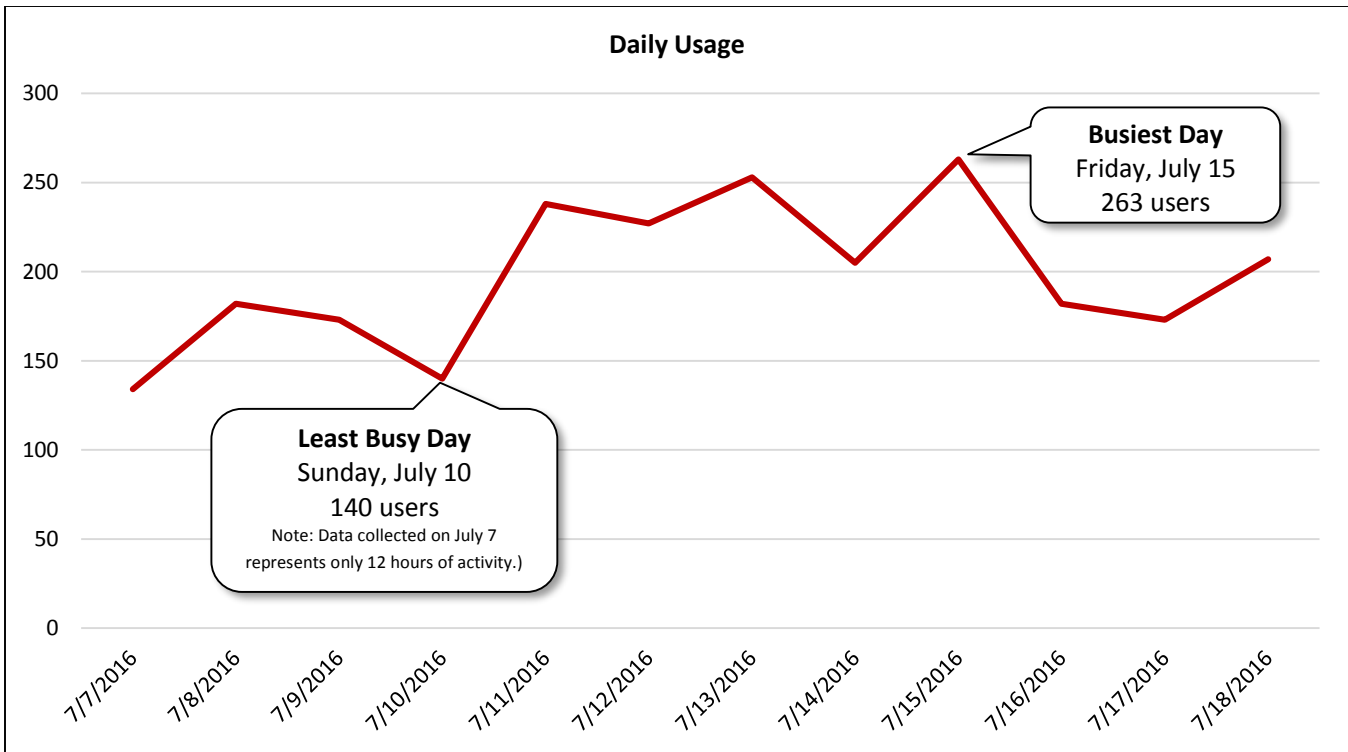


Image 24: Sidewalk along Walnut Bend Lane Southbound South of Westheimer Road Facing South

**Daily Usage**
Walnut Bend Lane Southbound South of Westheimer Road

| Date | Users | Select Weather Data* | | |
|---|---|---|---|---|
| | | High Temperature (°F) | Low Temperature (°F) | Precipitation (inches) |
| Thursday, July 7, 2016 (beginning at 12:00 p.m.) | 134 | 95 | 79 | 0 |
| Friday, July 8, 2016 | 182 | 95 | 79 | 0 |
| Saturday, July 9, 2016 | 173 | 95 | 75 | 0.03 |
| Sunday, July 10, 2016 | 140 | 93 | 77 | 0 |
| Monday, July 11, 2016 | 238 | 95 | 79 | 0 |
| Tuesday, July 12, 2016 | 227 | 96 | 77 | 0 |
| Wednesday, July 13, 2016 | 253 | 95 | 79 | 0 |
| Thursday, July 14, 2016 | 205 | 96 | 78 | 0 |
| Friday, July 15, 2016 | 263 | 98 | 77 | 0 |
| Saturday, July 16, 2016 | 182 | 96 | 73 | 0 |
| Sunday, July 17, 2016 | 173 | 93 | 75 | 0.03 |
| Monday, July 18, 2016 | 207 | 93 | 75 | 0 |

| | | **Notes** |
|---|---|---|
| **Total** | 2,377 | Counter T5 began collecting data at 12:00 p.m. on Thursday, July 7, 2016. |
| **Average Daily Usage** | 207 | |
| **Average Daily Usage (Weekday)** | 228 | |
| **Average Daily Usage (Weekend)** | 167 | |

*Weather conditions recorded at KSGR.



Daily Usage

Busiest Day
Friday, July 15
263 users

Least Busy Day
Sunday, July 10
140 users
Note: Data collected on July 7
represents only 12 hours of activity.)

## Hourly Usage
Walnut Bend Lane Southbound South of Westheimer Road

| Time of Day | Average Users Per Hour | Average Users Per Hour (Weekdays) | Average Users Per Hour (Weekends) |
|---|---|---|---|
| 12:00 a.m. | 3.0 | 2.6 | 3.8 |
| 1:00 a.m. | 0.9 | 0.9 | 1.0 |
| 2:00 a.m. | 1.7 | 1.7 | 1.8 |
| 3:00 a.m. | 0.7 | 0.3 | 1.5 |
| 4:00 a.m. | 0.3 | 0.4 | 0.0 |
| 5:00 a.m. | 2.9 | 3.9 | 1.3 |
| 6:00 a.m. | 2.2 | 2.3 | 2.0 |
| 7:00 a.m. | 7.0 | 8.9 | 3.8 |
| 8:00 a.m. | 6.5 | 6.3 | 7.0 |
| 9:00 a.m. | 7.3 | 8.9 | 4.5 |
| 10:00 a.m. | 7.6 | 7.3 | 8.3 |
| 11:00 a.m. | 9.1 | 9.9 | 7.8 |
| 12:00 p.m. | 10.9 | 12.3 | 8.3 |
| 1:00 p.m. | 16.3 | 20.4 | 8.3 |
| 2:00 p.m. | 14.4 | 15.4 | 12.5 |
| 3:00 p.m. | 16.3 | 17.1 | 14.5 |
| 4:00 p.m. | 14.8 | 16.1 | 12.3 |
| 5:00 p.m. | 16.9 | 17.1 | 16.5 |
| 6:00 p.m. | 15.4 | 14.8 | 16.8 |
| 7:00 p.m. | 16.0 | 18.6 | 10.8 |
| 8:00 p.m. | 14.3 | 15.5 | 11.8 |
| 9:00 p.m. | 10.1 | 11.4 | 7.5 |
| 10:00 p.m. | 4.1 | 4.5 | 3.3 |
| 11:00 p.m. | 3.4 | 4.0 | 2.3 |



Hourly Usage
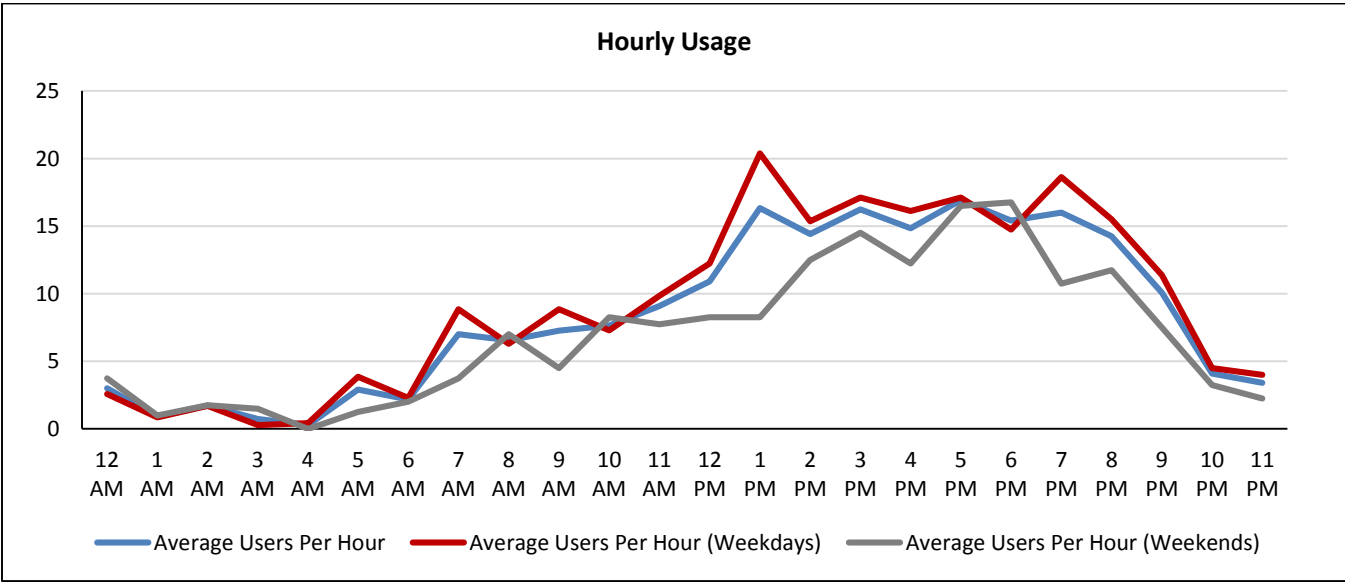
**Participants**

Westchase District
http://westchasedistrict.com/

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

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