Hike & Bike Trail Plan
2020 update
Virtual Q&A
September 17, 2020
4-5 p.m.
• City IT Housekeeping
• Introductions
• Report and map locations
• Presentation
• Questions and comments
Today’s Presenter

❖ Ylda Capriccioso
Park Development Manager
New Braunfels Parks & Recreation
ycapriccioso@nbtx.org
830-221-4358
Timeline

- July 2019 – Begin work with Vickery & Associates
- January 2020 – Report Draft Completed
- July 21, 2020 – Park and Rec Advisory Board (approval)
- August 4, 2020 – Planning Commission presentation
- August 24, 2020 – City Council presentation
- September 2, 2020 – Planning Commission (approval)
  - September 17, 2020 – Virtual Q&A
  - TBD 2020 – City Council approval
The City of New Braunfels has over 750 acres of park land that consists of developed parks and undeveloped open space providing a wide variety of recreational opportunities to meet your leisure needs. The Parks Development Manager is responsible for park and trail planning, project construction (in conjunction with the Capital Improvements Division), monitoring the Parkland Dedication Ordinance, and grant writing.

For more information about park and trail planning and current park projects contact the Parks Development Manager, Vida Kopiates at (830) 253-4508 or vkopiates@nbtx.gov.

Current Park Projects

<table>
<thead>
<tr>
<th>Current Park Projects</th>
<th>Park and Trail Plans</th>
<th>Project Funding Resources</th>
<th>Parkland Dedication and Development Ordinance</th>
</tr>
</thead>
</table>

Current Park Projects

- Cypress Bend Park
- Landa Park
- Landau Haus

COVID-19

- All Parks
- Cypress Bend Park
- Landa Park
- Landau Haus

PARKS AND RECREATION DEPARTMENT

www.nbtexas.org/parks
• Planning document used by Parks, Planning and Engineering
• Hike & Bike Trail Plan adopted in 2010 Park Master Plan (Chapter 10)
• Adopted in 2012 as a part of the Regional Transportation Plan
• High level view of the City’s non-motorized transportation network, excluding sidewalks.
  o Proposed on-street and off-street trails
  o 1 static map
Hike and Bike Trail Plan
Adopted by City Council on November 8, 2010
Adopted as part of the Regional Transportation Plan on March 12, 2012
HBT Plan Accomplishments

Parks & Recreation
- Fischer Park (neighborhood trails)
- Countyline Memorial Trail (multi-use path)
- Walnut Avenue Pocket Parks (multi-use path)

Engineering
- Walnut Avenue (multi-use path)
- Landa and Oak Run (bike lanes)
- Rueckle-Morningside-Solms (multi-use path)

Planning & Development
- Veramendi (multi-use path)
- August Fields (multi-use path)
- Wasser Ranch (multi-use path)
Veramendi (ETJ Park District 1)

- 6,000 dwelling units
- 100 acres of regional parks
- 69 acres minimum of linear park and trails
August Fields (Park District 2)

- 263 single-family homes
- Nestled between Freiheit Elementary and Canyon Middle schools
- 2-acre park and trail begins at FM 1101 and ends at Alves Lane
- 10’ wide trail and 2-acre park with amenities to be built by developer; lawn area, playscape, hike and bike trail, and pavilion.
Wasser Ranch (Park District 1)

- 303 single-family detached homes
- Across from Oak Creek Elementary CISD schools
- 10’ wide trail through the neighborhood and connecting to adjacent neighborhoods
What is the Goal of the Update?

- Refresh the 10-year old map with completed projects
- Inventory City’s HBT network
- Create a reference guide for standards in New Braunfels based on BMPs of AASHTO, NACTO, and other nationally recognized trail and greenway standards
- Revisit trail opportunities to help identify priorities
Interim Update Process

- Contracted with outside consulting firm to help coordinate the effort
- Funded with Park Development Funds
- Technical and desktop exercise to bring old plan up-to-date
Trail types and design standards
Trail Inventory and Maps
Trail Opportunity Areas
Trail Types & Design Standards

• Outlines many types of trails and bike facilities that can be used in urban environment
• AASHTO, NACTO, NRPA, FHWA and many other guides as reference
• Applied to the existing network in New Braunfels to set classifications and design standards
Applying Standards

NEW BRAUNFELS HIKE & BIKE TRAIL STANDARDS
The H&B Plan is a high level on- and off-street plan which is intended to show trails for non-vehicular transportation users. These trails include on-street facilities as well as off-street facilities in order to accommodate potential off-street constraints, such as right-of-way limitations, property ownership, topography, and access. Any proposed trail will require a more in-depth analysis for feasibility and construction. The City’s H&B Plan, with some deviations, is based on existing locations of trails, trail topography, or other constraints, and is determined by Parks staff in coordination with other departments. Only when there is a trail first present in the Parks and Recreation Department shall design and/or construction take place. Projects, public or private, requiring construction or installation of hike and bike trail facilities must provide a seamless connection to ensure trail continuity and accessibility for H&B users and maintenance—a key element for creating a multi-use corridor. When new developments, road projects, or parks projects occur, the trail systems will be adapted to accommodate new users and maintain functionality.

New development may include, but is not limited to:

- Reconstruction of an existing trail
- Expansion of an existing trail
- Construction of a new trail

Criteria Off-Street (Must Be Infill)

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Multi-Use</th>
<th>Nature</th>
<th>Neighborhood</th>
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</thead>
<tbody>
<tr>
<td>Trail Width</td>
<td>Minimum 6’</td>
<td>Minimum 6’</td>
<td>Minimum 6’</td>
</tr>
<tr>
<td>Shoulder Width</td>
<td>Minimum 5’</td>
<td>Minimum 5’</td>
<td>Minimum 5’</td>
</tr>
<tr>
<td>Surface Type</td>
<td>Permeable</td>
<td>Permeable</td>
<td>Permeable</td>
</tr>
<tr>
<td>Trail Grade</td>
<td>Minimum 1%</td>
<td>Minimum 1%</td>
<td>Minimum 1%</td>
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<tr>
<td>Vertical Clearance</td>
<td>Minimum 5’</td>
<td>Minimum 5’</td>
<td>Minimum 5’</td>
</tr>
<tr>
<td>Viewed line of sight</td>
<td>Minimum 200’</td>
<td>Minimum 200’</td>
<td>Minimum 200’</td>
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</table>

Signage

<table>
<thead>
<tr>
<th>Signage</th>
<th>Multi-Use</th>
<th>Nature</th>
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<tbody>
<tr>
<td>Minimum</td>
<td>Entry sign</td>
<td>Entry sign</td>
<td>Entry sign</td>
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</table>

**Note:**

- All trail construction standards are based on maintenance, cost, and capacity of the Parks Department, unless otherwise approved by the Department Director. Trails should be designed to conform to both standards recommended by AASHTO and newer recommendations developed by the National Association of City Transportation Officials (NACTO).
- These guidelines specify high-quality, common elements for use along all trail systems. The design of new trails should make use of these elements in a manner that enhances the trail experience. This hike and bike trail network must be self-sustaining and non-motorized by eliminating conflicts, and maintain the following objectives:
  - Trails should be of a width that is equal to the maximum recommended width for two-way, shared-use paths, and should be at least 10 feet of concrete, walking and biking trail to accommodate multiple uses by walkers, bicyclists, and individuals with disabilities, such as people in wheelchairs or those using walkers.
  - Slopes should be no greater than 2%, and cross slopes no greater than 1%.
  - A minimum of five feet of right-of-way is required on each side of the trail for access.
  - Trails near homes should be at least 50 feet from residential property lines.
Trail Classifications & Inventory

- **Trail Types**
  - Multi-use trails and greenways
  - Neighborhood park trails
  - Nature trails
- **Bike Facilities**
  - Designated bike routes
  - Bike lanes
- **Trail Inventory**
  - On-street (13.29 miles)
  - Off-Street (15.5 miles)
Panther Canyon

NATURE TRAIL
### Inventory

**CITY OF NEW BRAUNFELS**

**BIKE AND BIKE TRAIL PLAN – INTERIM UPDATE 2019-2020**

Off-road or alongside a road. Currently, there are approximately 13 or more miles of existing trails (not including the bike facilities), most of these are neighborhood park trails.

There are approximately 12 miles of on-street trail, or bike facilities, in New Braunfels, with all but one being a striped bike lane. In terms of off-street trails, there are about 13.5 miles.

The HBT Inventory Table provides more detail about the length, location, and type of trails.

#### HBT Inventory Table - Inventory Table 2019-2020

<table>
<thead>
<tr>
<th>Location</th>
<th>Type</th>
<th>Limits</th>
<th>Distance (Miles)</th>
<th>Districts</th>
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<tbody>
<tr>
<td>Conwell Ave</td>
<td>L</td>
<td>E. San Antonio St. to East Bridge</td>
<td>2.30</td>
<td>CTS, P01</td>
</tr>
<tr>
<td>Churchill Dr. &amp; Park Rd</td>
<td>L</td>
<td>Fm 267 to Guerne Rd</td>
<td>1.57</td>
<td>CCA, P01</td>
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<tr>
<td>FM 808</td>
<td>L</td>
<td>Fm 808 to City Limits</td>
<td>2.90</td>
<td>CCA, P01</td>
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<tr>
<td>Greenville Dr</td>
<td>L</td>
<td>Fm 30 to Anderson Dr</td>
<td>1.00</td>
<td>CCA, CCA</td>
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<tr>
<td>Hays St</td>
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<td>Landa Park Dr to Wurzbach Ave</td>
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<td>FM 181</td>
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<td>FM 181</td>
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<td>S. Landa Ave to Wurzbach Ave</td>
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<tr>
<td>August Heights</td>
<td>M</td>
<td>FM 1220 S Aliso Lane</td>
<td>0.80</td>
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<td>County Line Memorial Trail</td>
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<td>S. Seguin Ave to County Line Rd</td>
<td>2.90</td>
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<td>Dry Canoe Natural Trail</td>
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<td>S. Landa Ave</td>
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<td>CCA, P01, P04</td>
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<td>Evelyn Eakin</td>
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<td>Fischer Park</td>
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<td>FM 202</td>
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<td>June Apts to Creekside Way</td>
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<td>FM 151</td>
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<tr>
<td>FM 151</td>
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<td>HEB Soccer Complex</td>
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<td>Knuth Park</td>
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<td>Landa Park</td>
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<tr>
<td>Panther Campus</td>
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<td>Sizemore Park</td>
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<tr>
<td>Tavera Park</td>
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<td>CCA, P01</td>
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<td>Wurzbach Ave</td>
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<tr>
<td>I. Wurzbach Ave *</td>
<td>M</td>
<td>Jerald St. to W. Aliso Ave</td>
<td>1.40</td>
<td>CCA, P08</td>
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</table>

*(One side only) **Not yet under City ownership*

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**Inventory Map**

- **Southwest Side**
- **East Side**
- **Northwest Side**
- **Northeast Side**

**Legend**

- **Green** = On-street trail
- **Blue** = Off-street trail
- **Gray** = Bike lane

**Sources**

- City of New Braunfels
- Texas Parks & Wildlife
- Texas A&M University

**Contact**

- City of New Braunfels
  - 300 Chestnut St.
  - New Braunfels, TX 78130
  - Phone: (830) 261-2600
  - Email: info@nbf-trans.com

**Website**

- [City of New Braunfels](http://www.nbf-trans.com)
Interactive Maps

- GIS-driven data to build interactive map
  - Master plans, park districts, city council districts, topography, imagery, floodplain and other features
- Clean-up lines – alignments to new projects, roadway, river, and/or creeks
- Completed projects converted to existing HBT
- New Key
  - Existing off-street and on-street
  - Proposed off-street and on-street
- Opportunity Areas – story mapping and future master plans
**HBT Opportunity Areas**

- Alligator Creek
- Camp Comal Trail
- Countyline Memorial Trail: County Line Road, Callen’s Castle connection
- Dry Comal Creek Greenway
- Gruene Loop Trail: Gruene Road, drainage, connection to FM 306
- Morningside/Rueckle/Solms: connections to surrounding neighborhoods and Morningside Park
- River Trail: Guadalupe River Park, Cemetery, and Cypress Bend
- Solms Loop Trail: Sports Complex, Klein Road, school and neighborhood connections

*Based on 2010 recommendations, 2017 Parks Strategic Plan, City ownership, development activity, CIP or bond projects*
Revised on- and off-street facilities represented on GIS map, per park district.
Comments/ Questions?

Email comments to ycapriccioso@nbtexas.org
Subject line: HBT Update
until September 24, 2020 C.O.B.