



# **TRANSPORTATION & CAPITAL IMPROVEMENTS (TCI)**

## **Micromobility Inclusion in Capital Projects**

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**November 4, 2019**

**Transportation & Mobility Committee**



- Summary of Capital Projects with Micromobility Lanes
- Events Leading to Today
- Broadway Corridor & Micromobility
- Proposed Micromobility Policy Update & Implementation Strategy
- Complete Streets & Vision Zero CCR Update

# Design Guidelines and Principles For Capital Improvement Projects

AASHTO

## A Policy on Geometric Design of Highways and Streets

2018  
7th Edition



CITY OF SAN ANTONIO  
TRANSPORTATION & CAPITAL IMPROVEMENTS

DESIGN GUIDANCE MANUAL

## Urban



## Street



## Design



## Guide



National Association of City Transportation Officials



SAN ANTONIO

Drive safe. Bike safe. Walk safe.

## CONTEXT SENSITIVE DESIGN







## 2012 – 2017 BOND / CIP PROJECTS

Projects With Bike Lanes	14
Protected/Buffered Bike Lanes	8.20 miles
Unbuffered Bike Lanes	6.17 miles
Total Bike Lanes	14.37 miles

## 2017 – 2022 BOND / CIP PROJECTS

Projects With Bike Lanes	24
Protected/Buffered Bike Lanes	10.22 miles
Unbuffered Bike Lanes	7.99 miles
Total Bike Lanes	18.21 miles

# Main and Soledad (Unbuffered)





# Ray Ellison Blvd (Buffered)



# Huebner Road Extension (Buffered)





# UTSA Blvd (Shared-Use Path)





# Hausman (Shared-Use Path)





# Floyd Curl (Protected Cycle Track)





# 36<sup>th</sup> Street (Protected Cycle Track)





# 2017 – 2022 Bike Lane Project List

Alamo Plaza/South Alamo Street –  
Cesar Chavez Blvd. to Perieda St

Ave B/Alamo Street (Houston to IH 35)

Broadway Street (Upper) - Josephine to  
Mulberry

Bulverde Road Phase 1 (Butterleigh  
Drive to North of Quiet Meadow)

Bynum Avenue (West Gerald Avenue  
to Southwest Military Drive)

DeZavala Road (IH-10 to Lockhill  
Selma)

Enrique M. Barrera Parkway Phase 1

Fredericksburg Road (North Flores  
Street to West Woodlawn Avenue)

Hardy Oak & Huebner Road Extensions

Harry Wurzbach and Austin Highway  
Connectors

Ingram Road (Potranco to Dead-End)

Medical Center Floyd Curl Green Street

North Flores Street/Fredericksburg  
Road Intersection (Five points)

North New Braunfels Avenue Phase 1  
(East Houston Street to Burleson St)

North St. Mary's Street (East Mistletoe  
Avenue to West Josephine Street)

Probandt Street (S. Alamo St to US 90)

Prue Road (Babcock Rd to Laureate Dr)

Roosevelt Avenue (Highway 90 to  
Southeast Loop 410)

Santa Rosa Street (Cesar Chavez Blvd.  
to Martin St.)

South Presa Street (Southeast Military  
Drive to Southcross Boulevard)

South Zarzamora Street Overpass at  
UPRR/Frio City Rd.

The Alamo Area Streets

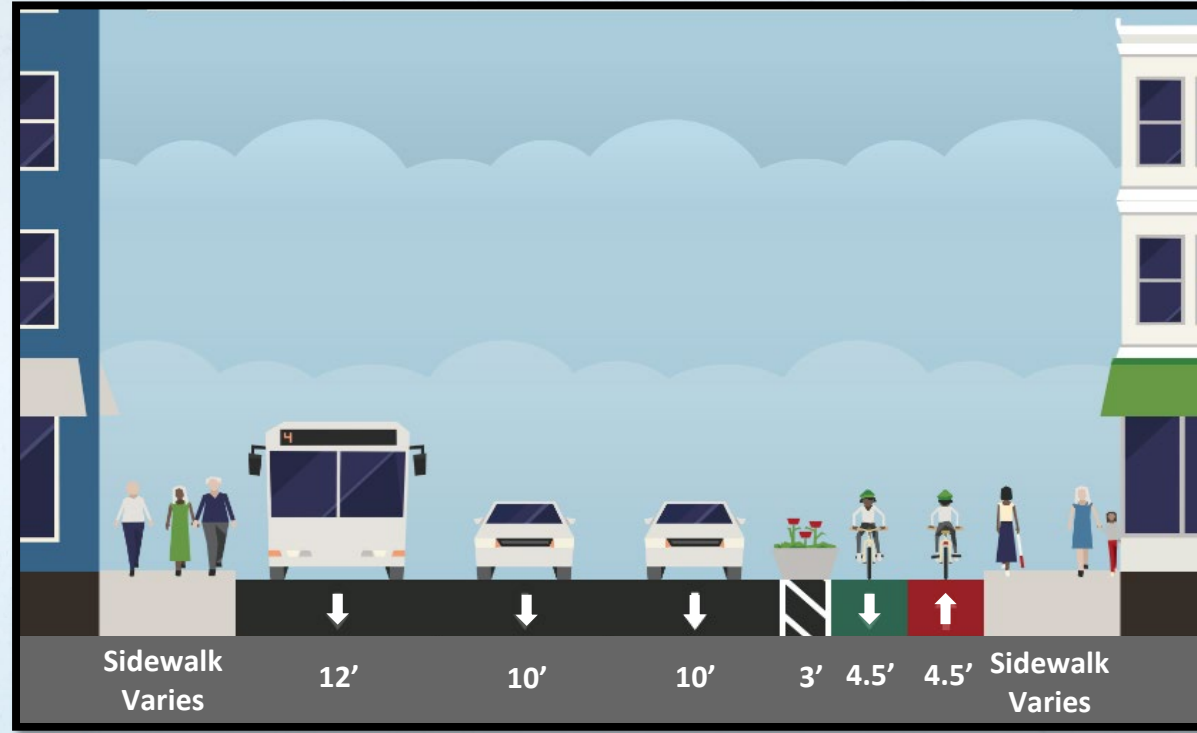
West Commerce Street (Frio St. to  
Colorado St.)

West Military Drive & Ingram  
Connectors





- Market Street Corridor example
- Repurpose existing lane for two-way protected cycle track





# NACTO Transit Street Design Workshop

- NACTO Accelerator Project (American Cities Climate Challenge)
- Zarzamora Corridor (Fredericksburg to Military)
- Review of opportunities to improve transit, bike, and pedestrian experiences







- **2010** - River North Plan
- **2011** - City of San Antonio Bike Plan
- **2012** - Downtown Transportation Study
- **2016** - Broadway Corridor Study and "Build Your Own Broadway" Workshop



Update the River North Form Based Zoning District by amending the Transportation Design Plan.

- Based on Bike Plan and Downtown Transportation Study completed in 2011 and 2012, respectively
  - No bike lanes on Broadway
  - Bike lanes on Avenue B and N. Alamo







Creation of TCI Active  
Transportation Team

Policy Development  
(UTSA, AIA / PEPP / ACEC, Centro, HPARC)

Best Practice Review of Complete  
Street Policies

Community Engagement

January 2020 Committee Update





**CITY OF SAN ANTONIO  
OFFICE OF THE CITY COUNCIL  
COUNCIL CONSIDERATION REQUEST**

TO: Mayor and City Council  
FROM: Councilwoman Shirley Gonzales  
COPIES TO: Erik Walsh, City Manager; Leticia Vacek, City Clerk; Andy Segovia, City Attorney; John Peterek, Assistant to the City Manager; Christopher Callanen, Assistant to City Council  
SUBJECT: Proposed Complete Street VZ Training  
DATE: August 13, 2019

TO  
COUNCIL  
REQUEST

Clerk: Andy Segovia, City  
Manager; Christopher Callanen,

Issue Proposed for Consideration

I ask for your support for the inclusion of the following item on the agenda for the next meeting of the Governance Committee:

Direct City Manager and Executive team to:

1. Immediately develop and implement a formal, year-round, sustained training program that focuses on innovative best practices for fully implementing the city's Complete Streets and Vision Zero policies for all transportation and SA Tomorrow planning, projects and programs.
2. Ensure that all city employees, consultants and contractors involved in implementing Complete Streets and Vision Zero mandates, including the budgeting, planning, engineering, designing, constructing, maintaining, managing and enforcing these policies are included in this training.
3. Conduct a systematic review and revision of all policies, procedures, implementation manuals and departmental organization structures to ensure that Complete Street and Vision Zero principles are fully integrated into ongoing planning, budgeting and implementing operations and the development of UDC amendments.
4. Conduct a systematic review of land use policies that impact or are interrelated with Complete Streets and Vision Zero mandates and assess land use policies as well as corresponding zoning designations and UDC applications that should be updated to achieve Complete Streets and Vision Zero mandates.
5. TCI to Revise City of San Antonio Design Guidance Manual and supporting materials to
  - a. reflect the safety principles and goals of Complete Streets and Vision Zero as the highest priority for transportation system design and operation,

on the agenda for the next

round, sustained training  
fully implementing the  
transportation and SA

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are interrelated  
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that should be

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Vision Zero  
ration.

Conduct Internal & External  
Complete Streets Training

Systematic Review of all Policies &  
Procedures

Incorporate NACTO Design  
Standards

Provide Continuous Updates on  
Progress



CITY OF SAN ANTONIO  
**TRANSPORTATION & CAPITAL IMPROVEMENTS**

THROUGH INNOVATION AND DEDICATION, WE BUILD AND MAINTAIN  
**SAN ANTONIO'S INFRASTRUCTURE**

## **Micromobility Inclusion in Capital Projects**

### **November 4, 2019**

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