



# Bikeway Design Effort Update & Discussion on Next BAC Effort

January 15, 2021





1. Phase 2 Schedule and Next Steps
2. Phase 2 Working Group Content Overview
3. Revisiting SDR and next BAC effort



### Bikeway Design Topic Categories:

- **Bikeway Selection**
  - Interim Guiding Principles APPROVED
- **Linear Bikeway Design**
  - Interim Guiding Principles APPROVED
- **Intersections & conflict points**
  - Interim Guiding Principles APPROVED
- **Maintenance**
  - Interim Guiding Principles APPROVED

**Each of these Interim Guiding Principles will be compiled into a final Bikeway Design Guiding Principles final product.**



## BAC Meeting, January 15

- No action. Overview of conflict point content and status update.

## Working Group, January (date TBD)

- Discuss green and other pavement markings

## Working Group, February (date TBD)

- Develop guiding principles for conflict points AND discuss reducing lane widths to add bike lanes

## Working Group, March (date TBD)

- Develop guiding principles for conflict points AND discuss maintenance of barrier separated bikeways

## BAC Meeting, April 9

- BAC approval of guiding principles for conflict points

## Working Group, April (date TBD)

- Discuss surface treatment materials AND overlay materials (aggregate size)

## Working Group, May (date TBD)

- Develop guiding principles for maintenance

## Working Group, June (date TBD)

- Review ALL guiding principles.

## BAC Meeting, July 16 - **Final BAC approval**



- Protected intersections
- Bike signals and signage
- Transit connectivity
- Driveways and RRD crossings
- Green and other pavement markings



## Define modal spaces:

- Pavement markings:
  - Striping and marking through intersections
  - Green lanes
  - Green conflict areas
- Physical barriers (discussed previously)
- Grade separation (Under or overcrossings)
- Bike & Ped actuators for crossing

## Slow traffic

- Curb extensions and reduced curb radii
- Traffic islands and neighborhood traffic circles

## Make bicyclists conspicuous:

- Signage:
  - “Watch for Turning Traffic”
  - “Bike lane”
  - “Turning vehicles Yield to Pedestrians and Bicyclists”
- Signals:
  - Bike signals
  - Mid-block crossing/ beacons (HAWK and RRFB)
- Pavement markings:
  - Bike boxes (1 stage and 2 stage)

**Next BAC Activity**



## SDR Development process included:

- Review of best practices in bicycle accommodations
- Benchmark other State Departments of Transportation Programs
- BAC input through workshops and document review
- PTN and Division input through focus groups and document review

## SDR Focus Areas

- Expand the bikeway network
- Build safer and better bicycle and pedestrian accommodations
- Provide training for engineers, planners, and construction staff
- Educate the public on safe driving, bicycling and walking
- Encourage people to walk and bicycle
- Develop statewide management systems for bicycle and pedestrian information
- Fund more bicycle and pedestrian projects

<https://www.txdot.gov/inside-txdot/modes-of-travel/bicycle/plan-design/strategic.html>





### Strategic Direction Report (2015)

- Documented current state of the practice
- Provided statewide vision for bicycle & pedestrian advancement
- Established seven Focus Areas to guide work of TxDOT Bike/Ped Program and BAC

### Bicycle Tourism Trails Study (2018)

- Created Example Network for long-distance bicycle routes
- Documented benefits of bicycle infrastructure networks
- Recommended safer bikeway designs

### Bikeway Design Effort (2021)

- Recommended enhancements to TxDOT project development process
- Recommended improvements to TxDOT bikeway design

*TxDOT's Bike and Ped Group continues to progress other efforts simultaneously*



## Previously completed and current projects with status

- 1) Bicycle and pedestrian count program, On-going improvements/ expansion
- 2) Economic Impact of Bicycles in Texas study, Completed 2019
- 3) Transportation Alternatives Program funding, Biennial Program Call
- 4) TxDOT's Bicycle and Pedestrian Program website, On-going updates
- 5) BikeStripe, Pilot implementation in Tyler
- 6) TxDOT's Safe Guide to Cycling, Updates as needed
- 7) TxDOT's Handlebar hanger, Updates as needed
- 8) TxDOT Bike to Work Day, Annual effort
- 9) Research projects (currently 3 active projects), PTN role in Project Advisory Committee



## Objective

- Begin brainstorming BAC project ideas

## Agenda

- Guided discussion (5 minutes)
- Interactive polling (5 minutes)

## Reminder:

- Bikeway Design Effort continues until at least July 2021

## Discussion Questions

- How well are we (TxDOT and BAC) accomplishing what we set out to do?
- Should we update the SDR to better address pedestrian and/or micromobility issues?
- What areas need attention?



What are the most important activities for the BAC and TxDOT's bicycle program over the next 2 years?

**Multiple responses encouraged!**

Go to [www.menti.com](https://www.menti.com) and use the code **81 87 91 5**



- What are your ideas for new activities that PTN and BAC should tackle next?
- What are some ways to leverage existing efforts?

### **Bonnie Sherman, AICP**

TxDOT – Public Transportation Division  
Statewide Bicycle and Pedestrian Coordinator  
[Bonnie.Sherman@txdot.gov](mailto:Bonnie.Sherman@txdot.gov)

### **Noah Heath, AICP**

TxDOT – Public Transportation Division  
Bicycle and Pedestrian Planner  
[Noah.Heath@txdot.gov](mailto:Noah.Heath@txdot.gov)

### **Carl Seifert, AICP**

[Carl.Seifert@Jacobs.com](mailto:Carl.Seifert@Jacobs.com)  
**Jacobs**