Agenda

• Brief history of Pedestrian and Bicycle Planning
• Master Thoroughfare Plan & Complete Streets Overview
Pedestrian and Bicycle Plans, Policies, Programs

- Bike Fort Worth plan adoption (2010)
- Bicycle Parking requirements in Zoning Ordinance (2010)
- Safe Passing Ordinance (2011)
- Fort Worth Bike Sharing (2013)
- Walk Fort Worth (2014)
- Fort Worth Bond Program (2014)
- Pedestrian and Bicycle Advisory Commission (2015)
- Complete Streets Policy and Master Thoroughfare Plan Update (5/2016)
Designing for Complete Streets
Designing for Complete Streets

Four Types of Cyclists
By Proportion of Population

Interested But Concerned - 60%
No Way No How 33%
Strong & Fearless <1%
Enthused & Confident 7%

Source - Portland, OR DOT

Sharrow: Marked, wide
Conventional bike lane
Buffered bike lane
Cycle track: Protected by parking spaces
Cycle track: With Protective barrier
Cycle track: Curb separated

Source: Jefferson Parish Bicycle Master Plan

Dan Swenson, NOLA.com | The Times-Picayune
Design Considerations
Master Thoroughfare Plan Update and Complete Streets Policy

• Complete change in philosophy in transportation planning
  – Context Sensitive and Complete Streets based cross-sections
    • Bicycle, Pedestrian, Transit
  – Guidance on retrofits
  – Incorporation of Green Infrastructure concepts

• Proposed Complete Streets Policy addresses non-MTP issues
Project Goals

• **Context Sensitivity** – Street design that reflects and supports surrounding land use

• **Complete Streets** – Safe accommodation for all users, and integration of transit, pedestrian, and bicycle plans

• **Fiscal Stewardship** – Right sizing of streets and efficient travel routes

• **Prioritization Criteria** – Established measures for evaluating arterial-project priority, in harmony with MTP Goals
Complete Streets and Context Sensitivity
Component: Street Type

- **Activity Streets**
  Destination streets

- **Commercial/Mixed Use**
  Serve business districts/downtown

- **Neighborhood Connectors**
  Provide access from neighborhoods to services

- **Commercial Connectors**
  Serve retail portions of the City

- **System Links**
  Support longer-distance travel
Determined desirable Complete Streets elements and their dimensions depending on context.
Component: Cross-Sections

(~80 cross-sections)
Component: Cross-Sections

 (~80 cross-sections)
Component: Cross-Sections

Activity Street

(~80 cross-sections)
MTP Update: Section Selection

Typical Section Selection Process (Simplified)

**Street Type**
Which of the 5 Street Types?
Source: Street Type Map

**Lanes**
How many lanes per direction?
Source: Lanea Map

**Transit**
What type of special transit facility (if any)?
Options: dedicated transit lane, peak-hour transit lane, or transit median
Source: the T's Transit Plan

**Median**
What type of median (if any)?
Options: Two-way left-turn lane, narrow median, standard median, wide median, or transit median
Based on: traffic volumes, number of lanes, transit median (if any), and other corridor features

**Parking**
What type of parking (if any)?
Options: Parallel or Diagonal
Based on: traffic volumes and number of lanes

**Bikes**
What type of bike facility?
Options: Shared lane, conventional bike lane, buffered bike lane, separated bike lane, off-street sidepath
Source: Bike Fort Worth Plan, auto traffic volumes, auto traffic speeds, parking type, and other corridor features
# MTP Update: Bicycle Facility Selection Matrix

Table 1: Bicycle Facility Types Applicable to Fort Worth MTP Street Types

<table>
<thead>
<tr>
<th></th>
<th>Target Speed range (mph)</th>
<th>Default Target speed (mph)</th>
<th>Shared Lane</th>
<th>On-Street Bike Lane</th>
<th>Off-Street</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity Street</td>
<td>20-25</td>
<td>20</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Commerce/Mixed-Use Street</td>
<td>20-25</td>
<td>25</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Connector Corridor</td>
<td>30-35</td>
<td>35</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Commercial Corridor</td>
<td>30-35</td>
<td>35</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>System Link</td>
<td>35-45</td>
<td>40</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>
MTP Update: Zone System

- Prioritizes parkway needs for:
  - ADA walkway
  - Street furniture
  - Outdoor seating
  - Curb buffer
Fort Worth Complete Streets means

- High-level *policy direction*
- Modify everyday decision-making *processes and systems*
- *Incremental* approach
- *Long-term* results
Policy: Vision

Provide a safe, accessible, complete, connected, comfortable, efficient, and community oriented transportation system for all people that supports mobility options, healthy living and economic benefit.
Policy: **Scope and Application**

- All transportation facilities approved by the City including but not limited to, facilities in the public right-of-way, access easements, private streets, and trails
- **Every transportation improvement** and project phase
- **Partnerships** with other agencies, such as the T and school districts
Policy: Exceptions

• Subdivision Ordinance and Master Thoroughfare Plan provide for **waivers and amendments**.

• Other exceptions **may be considered for approval** when:
  – An affected roadway **prohibits, by law, use** by specified users
  – Unduly **cost prohibitive** (20% of project budget)
Policy: Performance Measures

- Reductions in related injuries and fatalities
- Reduction in transportation gaps
- Improved emergency services response times
- Impacts and benefits for traditionally disadvantaged communities
- Increased usage of alternative transportation modes
- Reduction obesity related illnesses
- Economic performance of transportation investments
Policy: Implementation

• **Update** existing plans, manuals, checklists, and decision-trees
• Review and update current **design standards**
• Encourage **staff training**
• **Prioritize** projects that create a complete and connected transportation network
• Promote inter-departmental **project coordination**
• Include **educational components** in projects
Looking Ahead

• Complete Streets Implementation Plan
• Development of new intersection and street design standards
• Updating 2010 Bike Plan
• Creation of an Active Transportation Plan
Questions/Comments?

www.fortworthtexas.gov/mtp
www.fortworthtexas.gov/complete-streets