Status of RTC Mobility Actions Impacting the TRTC Area

Tarrant Regional Transportation Coalition

June 5, 2019

www.nctcog.org/presentations
Presentation Overview

Military/Community Planning Efforts

Large Projects in the Western Region

Implementation of Technology Applications

Near-Term Projects
NCTCOG History in Military Base Planning/Support

- 2008: NASJRB Joint Land Use Study (DOD)
- 2012: Regional Coordination Committee Transportation Assessment (FHWA/FTA TPF)
- 2013: Planning for Livable Military Communities (HUD)
- 2017: Regional Joint Land Use Study (DOD)
- 2020: Regional Joint Land Use Implementation Grant (DOD)
Base Access Improvements
1. Commercial Vehicle Gate Construction
2. NASJRB Main Gate Construction
3. Meandering Road Design $

Area Road Improvements
4. Westworth Village Bike Trail $
5. SH 199 TxDOT Corridor Project $
6. FM 1220 (Azle Ave) Corridor Plan
7. SH 199 TxDOT Corridor Plan
8. SH 183 TxDOT Corridor Plan
9. IH 30 Capital Asset Management $
10. Las Vegas Trail Design $
11. Bomber Spur Bike Trail Plan
12. IH 20 Frontage and CTP Connection Plan
13. IH 820 Access Enhancements
14. IH 20 Auxiliary Lanes $

$ Indicates Transportation Project All or Partially Funded for Construction
High Speed Transportation

- Higher Speed – At-Grade
- High Speed – Grade Separated
- High Speed Station Locations
  1. Fort Worth to Laredo
  2. Fort Worth to Dallas
  3. Dallas to Houston

Corridor-specific alignment, design, and operational characteristics for the intercity passenger, regional passenger, and freight rail systems will be determined through capacity evaluation and ongoing project development. Refined rail forecasts are necessary to determine technology and alignment in future rail corridors.
Fort Worth Central Station: Context Framework
West Tarrant Transportation Initiative (WTTI)

Highest Priority Corridors

• Aims to improve connectivity between western Tarrant County and surrounding Wise, Parker, and Johnson counties

• Developed in coordination with local governments to identify areas of greatest concern

Map Source: Tarrant County
Innovative Mobility Solutions

**Mobility Management**
- Equitable Transit Fares
- Vanpools
- MyRide North Texas FTA Grant
- Southern Dallas Inland Port
- Community College Transit Passes
- Travel Demand Management Strategies

**Mobility as a Service (MaaS)**
- High School-Community College-University Transit Pilot
- Mobility on Demand Working Group
- Regional Integrated Platform
- Critical First/Last Mile Connections

**Strategic Partnerships**
- Transportation Management Associations
- Access North Texas
- Regional Mobility Management Working Group
- TxDOT Public Transportation Advisory Committee
Wrong Way Driving Mitigation Efforts

Phase 1 – Dallas County
- Consistent Design for Pavement Markings and Signage
- 350 Diamonds Interchanges
- 14 Entities including TxDOT

Phase 2 – Tarrant County
- 54 Miles over Seven Priority Freeway Corridors
- Pavement Markings, Signage and Technology

Tollway Improvement
- Lowered and LED-Enhanced Signage
- Technology Integrated into Command Center

Future
- Utilize cell phone to notify emergency responses as well as traveling public
511DFW Architecture

Diagram

- 3rd Party Event Management System
- Weather
- Transit AVL/ APC/GTFS
- Parking Management
- HERE (RT, Archive) Traffic
- HERE Route and Transit Planner
- C2C (TxDOT, NTTA, Cities)
- Waze
- Event data
- Radar overlay
- API
- Manual Event Entry
- EcoTrafiX GUI
  Map, Devices, Events
- Incident data
- Postgres Database
- Vertica Database (archive)
- Performance Measures and Reports Modules

511 DFW

- Public Web
- IVR
- Public XML
- Trip Planner
- Social Media
- My511 - Alerts
- Mobile App

LEGEND
- Available to Users
- External Sources

Event data

Events, camera (status & snapshots), DMS (status & messages), link data

External Sources Available to Users
UAS Safety and Integration Initiative

**North Central Texas UAS Task Force**

- **Safety**
  - Education
    - Know Before You Fly Workshops
    - Airport/Military Facility Risks
  - Legislation
    - Regional Ordinance
    - Statewide Legislation
    - Permitting
  - Training
    - Know Before You Fly Workshops
    - Airport/Military Facility Risks
    - Regional Ordinance
    - Statewide Legislation
    - Permitting

- **Integration**
  - Team Talon
    - Various UAS Applications
    - Airspace Integration
  - Public Awareness
    - UAS Applications
    - UAS Careers

**PRE-EXISTING COMMITTEES**

- Regional Coordination Committee
- ATAC UAS Subcommittee
- PSURT Committee and Team UAS Center of Excellence Workforce Development
- Team TALON UAS Center of Excellence
- AUVSI Lone Star Chapter Regional Freight Committee
TryParkingIt.com Features

➢ Website Features:
  ▪ Device Responsive
  ▪ Simple Registration Process (Can Associate with Facebook Account)
  ▪ Easy Access Dashboard Layout
  ▪ Multi-modal Trip-logging Capabilities
  ▪ Rideshare Matching (Carpool and Vanpool)
  ▪ Transit, Biking, and Walking Partner/Mentor Matching
  ▪ Along-the-Way Route Matching
  ▪ Interactive Mapping Capabilities (Bike Paths/Points of Interest)
  ▪ Integrated Reward System
    ❖ Contest, Purchase, and Milestone Rewards
    ❖ G.R.E.E.N. Rewards Partners
  ▪ Commuter Challenges
  ▪ Employer Portals and Administrators
  ▪ Survey Administration Capabilities
Texas Transportation Commission:

3C / IH 635

“Y” Connector

How to Build Tolled Projects?
NTE Improvements Paid By P³

Drivers are Learning

Widening of NTE, Improvements 5 Years Early

Pilot Testing of Algorithm

Navigational Routing
Partnership with
Fort Worth Housing Solutions
Butler Housing Project – Option #2 (Expanded):

12th Street W – 12th Street E Connection

(Includes: SB IH 35W Exit Ramp to Luella Street, WB IH 30 Entrance Ramp from I.M. Terrell Way, & Revised 16th-19th Street/Lancaster Avenue Connections)

NOTES:
1) Butler Place internal roadways meant to display potential circulation patterns for 2-way streets and are conceptual only.
2) Ultimate installation of traffic signals at intersections to be determined through intersection feasibility study.
3) 12th Street bridge landing at Butler Place revised to display ADA-compliant slope.
4) 12th Street bridge landing in Downtown based on Convention Center expansion concept that straightens Commerce Street; new bridge requires lowering of Calhoun Street.
SH 360 South Success

Construction by TxDOT (Nearing Project Transfer)

Operation by NTTA

Financial Risk by RTC
   Positive Baseline and Trend
   Significant Toll Tag Penetration

Trailblazing Pilot / Urban Design

Next Phase
   IH20 or Collector – Distribution
   Monitoring SH360 / US 287 Interchange
Next Steps on Chisholm Trail

SH 183 / IH 20 Direct Connector

Tarleton State Interchange

Super 2 Improvements

Interchange at Bypass in Cleburne
Transportation System Implementation
(US 287 – SH 114)

April 11, 2019

- SH 114/SH 170 Interchange (TxDOT – Completed)
- SH 170 “Super-Street” Concept (CAT 12 Funds)
- IH 35W North Tarrant Express – Segment 3C
- AllianceTexas/Haslet Accessibility Improvement Project – BUILD Grant
- Fort Worth Bond Program (Avondale-Haslet Road)