City of Tucson
Transit Connections Focus Group

Strengthening Tucson’s Frequent Transit Network

February 22, 2018 Kick-off Meeting
9-11am TDOT, 201 N Stone, 4th Floor Conf. Room
Agenda

• Welcome and Introductions
  Jenn Toothaker, Project Manager

• Orientation to Purpose and Process
  Jenn Toothaker
  Jan Waukon, Facilitator

• Transit Vision and Related Connections Presentation
  Project Team

• Small Group Breakouts
  All

• Review of Next Agenda and Meeting Dates
  Jan & Jenn

• Closing and Thank You!
# Integrated Transportation Planning Project Team

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<tr>
<th>Department/Division</th>
<th>Name</th>
<th>Title</th>
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<tr>
<td>Tucson Department of Transportation (TDOT)</td>
<td>Sam Credio</td>
<td>Interim TDOT Deputy Director</td>
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<tr>
<td>Park Tucson</td>
<td>Donovan Durband</td>
<td>Administrator</td>
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<td>Planning Division</td>
<td>Andrew Bemis</td>
<td>Bicycle &amp; Pedestrian Program</td>
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<td>Tom Fisher</td>
<td>Project Manager</td>
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<td>Shellie Ginn</td>
<td>Division Administrator</td>
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<td>Transit Services</td>
<td>Steve Spade</td>
<td>General Manager</td>
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<td>Davita Mueller</td>
<td>Transit Planner</td>
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<td>Housing and Community Development (HCD)</td>
<td>Glenn Moyer</td>
<td>Division Administrator</td>
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<td>Pima Association of Governments / Regional Transportation Authority</td>
<td>James McGinnis</td>
<td>Transit Director</td>
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<td>Planning and Development Services (PDSD)</td>
<td>Rebecca Ruopp</td>
<td>Principal Planner</td>
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<td>Tucson Police (TPD)</td>
<td>Thomas Hawke</td>
<td>Lieutenant</td>
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<td>2012 Bond Oversight Commission</td>
<td>Ned Beman</td>
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<td>Bicycle Advisory Committee, Tucson-Pima Co</td>
<td>Kylie Walzak</td>
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<td>Commission on Disability Issues</td>
<td>Gabrielle Ficchi</td>
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<td>Park Tucson Commission</td>
<td>Richard Oseran, Member</td>
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<td>Pedestrian Advisory Committee</td>
<td>Maia Ingram</td>
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<td>Transit Task Force</td>
<td>Robin Steinberg</td>
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<td>Bus Riders Union</td>
<td>Suzanne Shafer</td>
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<td>Downtown Tucson Partnership</td>
<td>Kathleen Eriksen, ED</td>
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<td>Fourth Avenue Merchants Association</td>
<td>Fred Ronstadt, ED</td>
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<td>Living Streets Alliance</td>
<td>Colby Henley</td>
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<td>Marshall Foundation / Main Gate Square</td>
<td>Jane McCollum</td>
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<td>Rio Nuevo Multipurpose Facilities District</td>
<td>Brandi Haga-Blackman</td>
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<td>Southern Arizona Transit Association</td>
<td>Gene Caywood</td>
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<td>Tucson Young Professionals</td>
<td>Tina Marie Summers</td>
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<td>UA Transportation and Parking Services</td>
<td>David Heineking</td>
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<td>Amphitheater School District</td>
<td>Marcela Arizpuro</td>
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<td>Sun Tran Bus Driver</td>
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Orientation to Focus Group
Purpose and Process
8/8/17 Mayor and Council Direction

• Build from the Jarrett Walker Study and Transit Vision

• Address [at a minimum] the following topics
   Pedestrian and bicycle connections with high-use bus routes
   Strategies for how to increase ridership
   Location of bus rapid transit (HCT) routes
   Consider how parking revenues can support the Transit Vision
   Ways to expedite implementing pilot programs (e.g. future bus routes)

• Expand membership of Focus Group and Project Team

• Return with List of Recommended Actionable Items
Existing Efforts to Integrate Transit, Parking, and Active Transportation

- Local Regulations and Policies
- Planning & Design Policies
- Modal Plans & Studies
- Funding & Investment Practices
- Operational Practices
- Convenience Features
- Outreach & Education
Initial Ideas to Better Integrate Transit, Parking, and Active Transportation

• Evaluate ways for more comprehensive and integrated transportation advice from BCCs

• Study the downtown/streetcar area parking

• Add transit stops to the HAWK prioritization methodology

• Prioritize sidewalks on transit routes in phasing recommendations of the Tucson ADA Transition Plan

• Develop requirements for Commercial Activity/Residential projects
Initial Ideas to Better Integrate Transit, Parking, and Active Transportation

• Prioritize first / last mile options for transit riders in public planning and TOD/urban infill development
• Develop, approve, implement City of Tucson Complete Streets policy
• Collaborate regularly on infill and revitalization initiatives
• Provide infrastructure that meet needs of emerging on-demand economy
• Shared Parking Concepts
Initial Ideas to Better Integrate Transit, Parking, and Active Transportation

Regulations / Requirements
• Update / institute Transportation Demand Management policies and guidelines
• Improve roadway connectivity
• Future Code amendments

Convenience
• Go Tucson enhancements
• Bundle transit fees and tugo Bike Share fares
• Cost-savings mechanisms with transit/bike share

Education and Outreach / Marketing
• Demos such as the “Loading your Bike on the Front of the Bus” around town
• Coordinated marketing for events around streetcar and bus routes
Purpose Statement

To provide feedback to TDOT staff on proposed actionable items for Mayor and Council consideration aimed to support the success and growth of the Frequent Transit Network.

Through this effort, discussions will focus on opportunities to integrate and strengthen transportation planning, investments, and operations across multiple modes, including active transportation, first-/last-mile mobility options, and parking.
Letters of Invitation

TRANSPORT CONNECTIONS FOCUS GROUP

Invitees
A representative from each of the following stakeholders will be invited to participate in meetings to provide input and recommendations:

- 2012 Bond Oversight Commission
- Bicycle Advisory Committee, Tucson-Pima County
- Commission on Disability Issues (or UA Disability Resources Center)
- Park Tucson Commission
- Pedestrian Advisory Committee
- Transit Task Force
- Bus Riders Union
- Downtown Tucson Partnership
- Fourth Avenue Merchants Association
- Living Streets Alliance
- Marshall Foundation / Main Gate Square
- Mercado San Agustin
- Regional Transportation Authority/Pima Association of Governments
- Rio Nuevo Multipurpose Facilities District
- School Districts (TUSD, Amphitheater, Sunnyside, Catalina Foothills, Flowing Wells)
- Southern Arizona Transit Association
- Tucson Metro Chamber of Commerce
- Tucson Young Professionals
- University of Arizona Transportation and Parking Services
Project and meeting materials will be posted online.

Emails will be sent out in advance (~1 week)
Purpose and Assumptions

Purpose: The purpose of the Transit Connections Focus Group is to provide feedback to TDCOT staff on proposed actionable items for Mayor and Council consideration aimed to support the success and growth of the Frequent Transit Network. Through this effort, discussions will focus on opportunities to integrate and strengthen transit planning, investments, and operations across multiple modes, including active transportation, first/last-mile mobility options, and parking.

Assumptions:
- Five-six month timeline with completion estimated by mid-2018.
- The process will be led by TDCOT staff.
- The meetings will be facilitated by a professional third-party consultant, Tucson Police Department, Planning & Development Services, and Sun Tran staff will participate as Focus Group Advisors.
- After the focus group provides its advice to TDCOT staff, the TDCOT Director will share the recommendations to the City Manager. The City Manager will then provide his recommendations to the Mayor and Council for their consideration.
- Greater community participation/input on the recommendations may occur after the City Manager has made his recommendations to the Mayor and Council.

Attendance requirements: We will hold 6 monthly meetings, and 1 field trip. We need everyone to participate, so:
- No substitutes or proxies.
- We will set up teleconference calls to help ensure your participation. Please give 24-hour notice.
- If you know you will be unable to attend at least 2 meetings, we respectfully ask you to find a new representative.

Material distribution and review: Agenda and materials will go out a week in advance. Information will be made available on the web page.

Meeting Norms

Be prepared for each meeting.
When one person is talking everyone else is listening.
Wait to be recognized.
Allow facilitator to manage the meeting.
Focus Group 2018 Meeting Outline

- **2/22** Meeting 1: Orientation
- **3/17** Field Trip: Experience
- **3/22** Meeting 2: Best Practices
- **4/19** Meeting 3: Preliminary List
- **5/17** Meeting 4: Funding
- **6/21** Meeting 5: Boards, Committees, and Commissions
- **7/19** Meeting 6: Review Staff Recommendations
- Mayor and Council Update
Transit Vision and the Related Connections
The Regional Transportation Network

• Purpose:
  – Provide efficient movement of people and goods
  – Provide equitable access to community for all

• Multi modal system
  – Streets
  – Transit
  – Bicycles
  – Pedestrian ways
  – Parking
City of Tucson Transportation Network

- **5,476** Street Lane-Miles
- **344** Miles of Drainage Ways
- **99,388** Traffic Signs
- **578** Traffic Signals with about 11,000 Signal Heads
- **645** Miles of Bike Ways
- **1,942** Speed Humps/Tables
- **156** Traffic Circles
- **9,495,000** Annual Miles of Fixed-Route Bus Service
- **4,974,800** Annual Miles of Paratransit Service
- **21,766** Street Lights
- **5,671** Right of Way Permits Issued in 2017
The People of TDOT

- Streets & Traffic Maintenance – 141
- Engineering – 73
- Traffic Engineering - 15
- Planning & Programming - 7
- Park Tucson - 18
- Transit - 4
- Administration & Technology – 30
- Real Estate - 9
City of Tucson Transit Oversight

- City of Tucson Transit Administrator (1 FTE)
  - City of Tucson ADA Paratransit Eligibility Office (2 FTEs)
  - City of Tucson Transit Coordinators (2 FTEs)
  - Sun Tran/Sun Van General Manager (RDMT)
    - Sun Tran Staff (636 FTEs)
    - Sun Van Staff (237 FTEs)
    - Sun Link General Manager (RDMT)
      - Sun Link Staff (35 FTEs)

PAG/RTA

Sun Shuttle
Tucson’s Regional Transit Network

- Multiple providers
  - Sun Tran (COT)
  - Sun Link (COT)
  - Sun Van (COT)
  - Sun Shuttle (RTA)

- Various services
  - Regular fixed route/express
  - Streetcar (rail)
  - Accessible paratransit
  - Regional connectors
Regional Transit Network
Jarrett Walker and the Future Transit Vision

- Expert consultant hired by PAG and COT
- Two workshops held (April 2015, June 2015)
- Two reports produced
- Three priorities as a result of workshop:
  - Prioritized Frequent Network routes and segments
  - Study corridors for High Capacity Transit
  - Study areas for future Coverage expansion
- This is just the beginning of the conversation...
Frequent Transit Network (FTN)

- Policy approved by Tucson Mayor and Council in April 2017
- Routes that operate every 15 minutes or less, Mon – Fri, 6 a.m. to 6 p.m.
- Sun Tran currently provides 11 Routes on the FTN
- Metrics considered in evaluating FTN:
  - Passenger/Mile
  - Passenger/ Hour
  - Cost/Passenger
Frequent Transit Network

FTN Weekday Transit Connections
Frequent Transit Network

- Route Frequency 10-15 minutes or less
- Sun Link Streetcar Route 700
- Other Routes - 30 minutes

Scale: 1 inch = 1 mile (1:63,360)
• FTN and Parking Connections
FTN, Stops, and Public Parking
• FTN and Bicycle and Pedestrian Connections
TDOT Bicycle and Pedestrian Program

2017-2018

- Tugo Bike Share - 330 bikes/36 stations
- 8 new bike/ped HAWKS installed or designed
- 5 miles of new bike lanes installed
- Bicycle Boulevard Master Plan Adopted
- 2 Cyclovia Tucson events on new routes
- Expanded Safe Routes to School program
- Pedestrian Safety Action Plan
- Awarded 3-year Big Jump Project Grant
Overall Goals:

1. **Networks:** Create comprehensive bicycle and pedestrian networks that connect people to their destinations.

2. **Trips:** Increase walking and bicycling trips.

3. **Safety:** Reduce frequency and severity of crashes involving people walking and bicycling.

4. **Equity:** Prioritize high-need, underserved, and vulnerable communities in public engagement and infrastructure investment.
FTN & tugo Bike Share

FTN Weekday Transit Connections

- tugo Bike Share
- Installed
- Transit Stops

Frequent Transit Network

- Route Frequency 10-15 minutes or less
- Sun Link Streetcar Route 700
- Other Routes - 30 minutes

1 = 0.5 miles
1.2 Miles
**HAWK Crossings & Prioritization**

- 133 existing HAWK crossings in Tucson
- 141 proposed HAWK locations ranked bi-annually
- 13 designed HAWK projects expected in FY 18/19
Thoughts on Safety & Security

• Lighting plays a big role in one’s perceived sense of safety

• Issues and Challenges TPD has faced:
  – Stop and Station security
  – Driver security
  – Loitering and negative behaviors
FTN Weekday Transit Connections

- Pedestrian Signals
- Pima County Urban Loop
- Residential Parking_Permitted Areas

Tugo Bike Share
- Installed

Bike Boulevard Phasing
- Existing
- In Progress
- Ranks 9-22
- Ranks 23-53

Frequent Transit Network
- Route Frequency 15-15 minutes or less
- Sun Link Streetcar Route 700
- Other Routes - 30 minutes
- Sun Express 101X - 204X
- Sun Shuttle Routes 401 - 450

Effective March 19, 2018
• FTN and Other First-/Last-Mile Connections
Tucson’s Smart Mobility

- PAG’s RideShare
- Metropia
- Down for the Count
- Business-specific

- GoTucson Parking
- GoTucson Transit
- US DOT Sandbox MOD Demo Project with Ruby Ride

- Metropia
- Navigation Apps & Maps (Google)

TuGo Bike Share: 330 bikes @ 36 stations

- Sun Tran, Sun Link, Sun Van
- Safe sidewalks and crossings
- Bike routes

- Sharing Economy (ZipCar, Enterprise)
- Metropia’s Duo
- Ride-hail Services (Uber, Lyft, Via, Veyo, Taxis)

- UA Collaborations with CoT and PAG
- ADOT

Taxes funding road needs:
- 2006-2026 Regional Transportation Authority
- 2012-2017 Bonds
- 2017-2022 Sales Tax

Autonomous Vehicle R&D/Deployment Projects:
- Uber, TuSimple
- Musselman Honda Track
- UA Tech Park

Connected Vehicle R&D/Deployments:
- MMITSS sister corridor
- SPaT Challenge
- TransView; ATIS
New Mobility – Integrating Fixed and MOD

- Self driving vehicles are still an unknown…
- Mobility On Demand (MOD) provides new approaches for fixed transit routes
  - Fixed circulators
  - On Demand circulators
  - Hybrids
- MOD provides new options for how we build and design our buildings

Source: Lisa Nisenson, alta planning
• FTN and Other Considerations
FTN Marketing & Convenience Tools

PAG

- RideShare Program
- Travel Reduction Program (working with employers)
- Metropia

Sun Link / Park Tucson / UA Coordinated Marketing for events

Apps & Offboard Payment

- Sun Tran Buses and Sun Link Streetcar
- Tucson Parking
- Tugo Bike Share
Equity, Access, and Economic Mobility

- Equality vs. Equity
- Access to jobs
- Reasonable travel times
- Housing location
Small Group Breakout Discussion
Small Groups Breakout Discussion

Conversation about the core values and practices that can and should be considered as we develop recommendations

1. **What do you believe are the characteristics of a well-connected community?**
   Consider what we do well and what exists in other communities that you have visited

2. **What are we missing currently?**

3. **What's most important?**
Review Next Agendas & Meeting Dates
Field Trip – March 17, 2018

Saturday 1/2-day field trip to experience Tucson's Frequent Transit Network and the connections.

Debrief Questions:

– Now that you've seen and experienced Tucson transit network...
  • What impressed you?
  • What did you see that needs a solution?
March 22, 2018 Focus Group Meeting

Best Practices and Opportunities for Integrated Planning – Review other successful transit models and discuss which can be implemented in Tucson

• Given the characteristics of a well-connected community identified at our first meeting and after viewing the video...
  – What specific examples from the video do you now see we already have in Tucson?
  – What did you see that would work well in Tucson and serve our assessment of what is important?
  – What could be implemented with limited resources or at no cost to the city? What needs funding and resources?
Thank you!