

# 2014 Austin Strategic Mobility Plan & Climate Initiatives



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## Invest for A “Connected” Austin

- Connect people to jobs
- Link IACP Activity Centers
- Make travel by all modes competitive
- Think long-range

# Challenges

- 20 years behind the transportation curve
- Catching up on everything, all at once
- We're not compact. Auto-dependent.
- All modes need same right of way
- Transportation \$\$ is scarce
  - Federal and State
  - Transportation \$\$ lags behind population growth

# 2014 Austin Strategic Mobility Plan

- **Invest in all travel modes simultaneously.**
- **Provide travel choices for major corridors.**
- **Help people change travel behavior.**



# 2014 ASMP STRATEGY

- Lead regional solutions
- Maximize efficiency of travel **corridors**
- Expand **choices** for travel
  - Bike, Transit, Walking
- Leverage **technology** to influence **behavior**
- Adapt **solutions** to match **diverse** traveler needs



# 2014 ASMP PROJECTS

- **Central Corridor Urban Rail**
- **I-35**
  - Projects to make room to add additional lanes and possible express transit, and enable Downtown reconstruction.
- **Regional Roadways**
  - Address congestion, facilitate long-term transit investments
- **Regional Safety and Mobility**
  - Corridor development, preliminary engineering for key roadway that experience congestion and have safety and multi-modal needs.





# I-35 Corridor Development: A successful regional partnership

- Improve Efficiency, connections
- Reduce delay, provide information
- Create high capacity transit/managed lane

City's 2010 bond investment matched 17:1 by TxDOT



# CRITICAL ARTERIAL NETWORK

## Advanced Traffic

### Management System (ATMS):

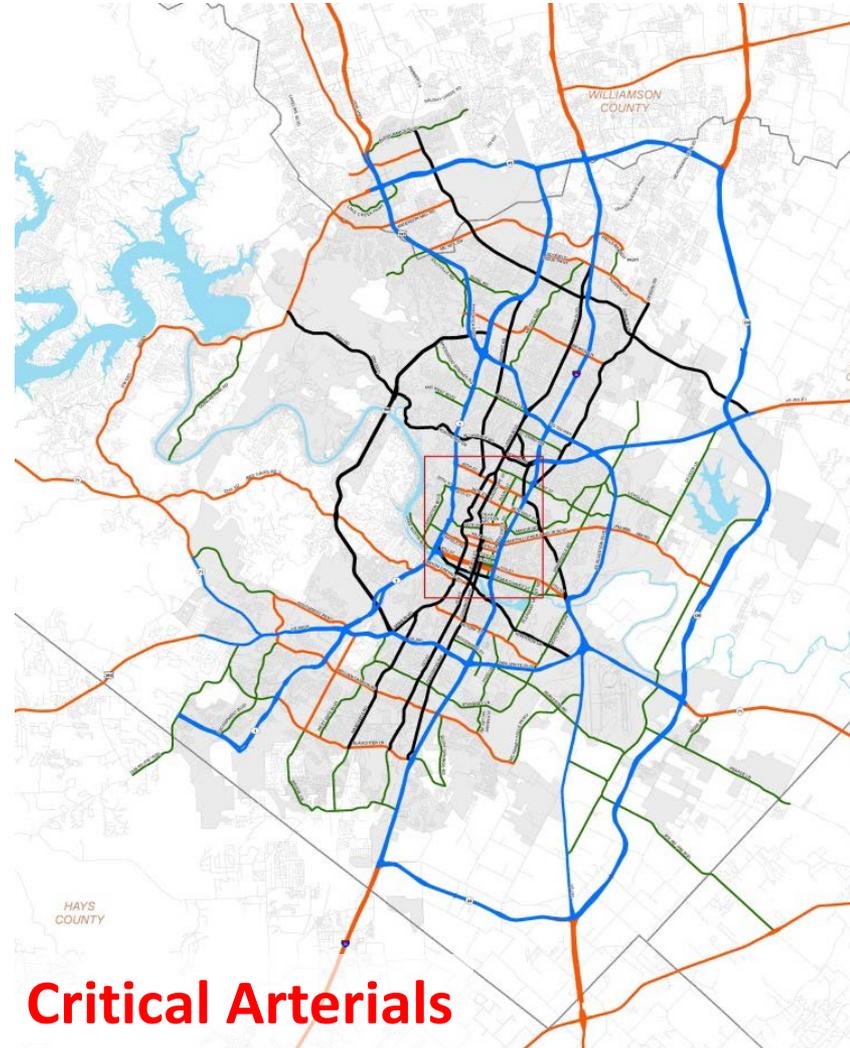
Using technology to optimize traffic flow along key corridors

#### Current:

- Prioritize vehicle movement during peak hours
- Manage in- street construction
- Optimize intersection capacities (geometries and signal technologies)
- Provide for all travel modes

#### Planned or Underway:

- Adaptive Signal Control
- Travel Time Monitoring
- Traveler Information Website
- Regional ATMS System



**Critical Arterials**

# Making Major Streets Work Better

## Innovations: Arterials

- ✓ Travel Time Sensors
- ✓ Volume Count Data
- ✓ S. Lamar Blue Tooth Pilot Program
- ✓ Bicycle Detection
- ✓ Cloud Source Signal Timing
- ✓ Signal Priority
- ✓ Emergency Vehicle Preemption
- ✓ Integrated Regional Management
- ✓ Measure progress

## Dynamic Message Signs



## Traveler Info Web Site

*Under Development*



# Transit Priority: Guadalupe-Lavaca

- ✓ Supports Capital Metro high capacity transit
- ✓ Realizes Imagine Austin: C&C
- ✓ Implements Project Connect
- ✓ Serves regional core

## Efficient use of congested travel lanes:

- Up to 60 busses per hour
- ~ 50 people/bus
- Moves busses off Congress

**Behavior change =  
positive impact on climate and congestion**

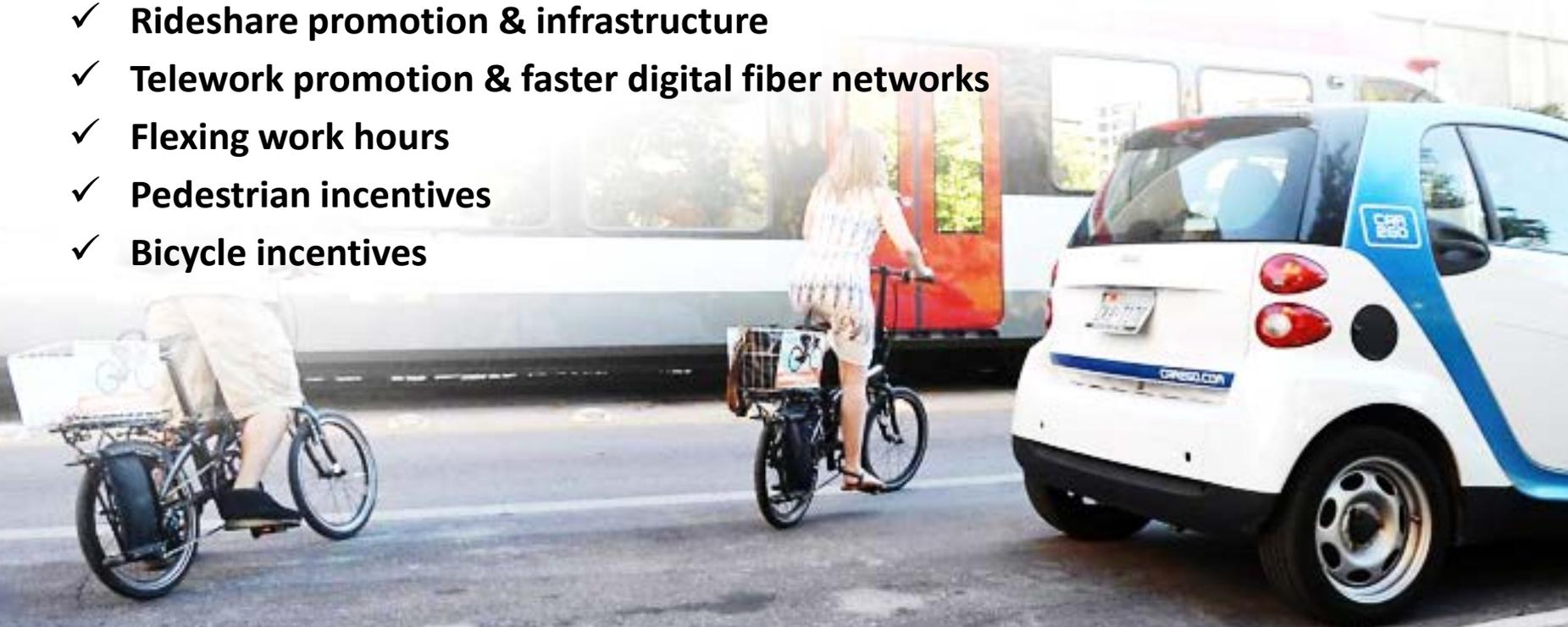


# Travel Demand Management

## Toolkit:

- ✓ Expand traveler choices
- ✓ Movability Austin
- ✓ Transit incentives
- ✓ Parking management
- ✓ Rideshare promotion & infrastructure
- ✓ Telework promotion & faster digital fiber networks
- ✓ Flexing work hours
- ✓ Pedestrian incentives
- ✓ Bicycle incentives

*Changing Travel Behaviors & Travel Culture requires both a public and private sector response.*

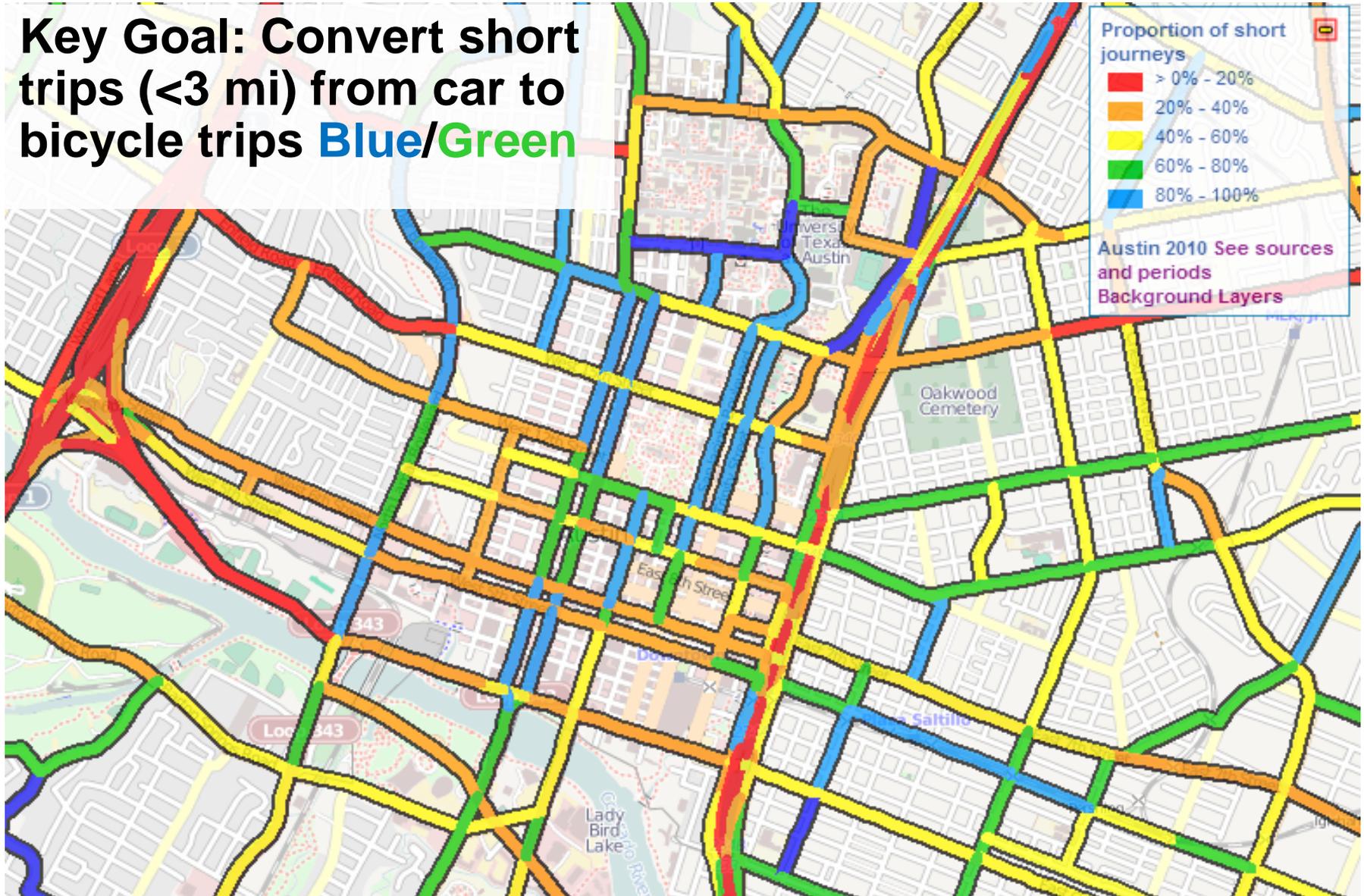


# More People = More Pedestrians!



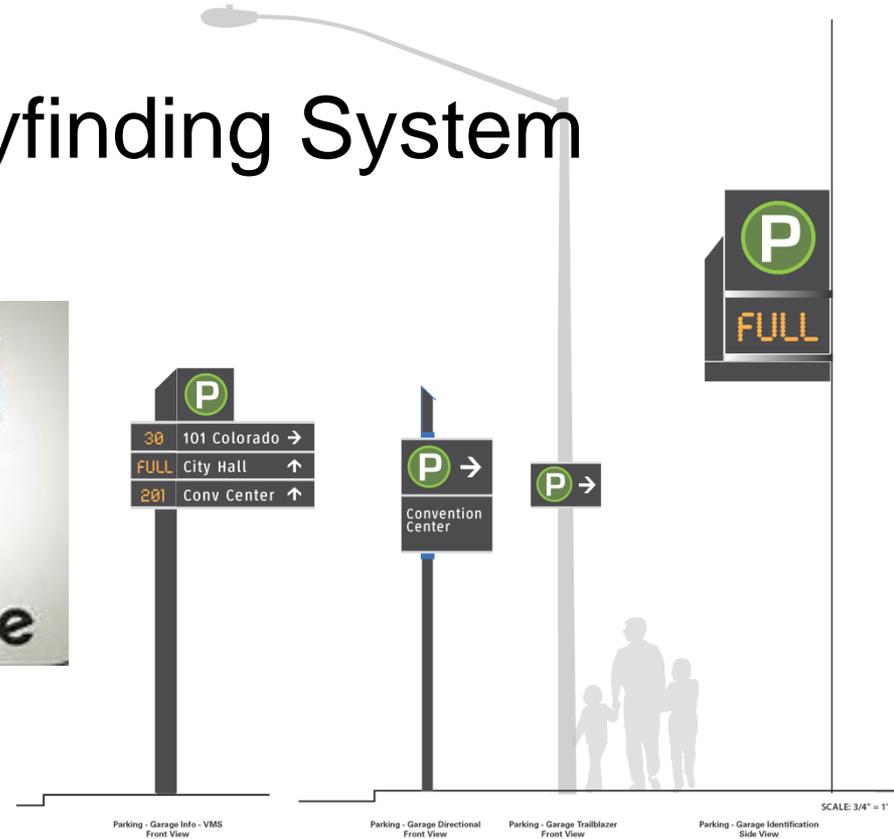
# Bicycle Master Plan 2014

**Key Goal: Convert short trips (<3 mi) from car to bicycle trips** Blue/Green



# Parking Management

- Integral to managing mobility
- New technology-assisted options
- New Wayfinding System



Parking - Garage Info - VMS Front View

Parking - Garage Directional Front View

Parking - Garage Trailblazer Front View

Parking - Garage Identification Side View

SCALE: 3/4" = 1'

# Transportation-Sharing

## Car-Sharing

- Car pools
- Share rides
- 2 car-share providers
  - Car2Go
  - Zip Car



## Bike-Sharing

- “B-Cycle” launched December 2013
- Closes “first and last mile” transit gaps
- Stations throughout Austin core



# Latest planning effort

## Ozone Advance Plan:

- Maintain compliance with 75 ppb standard, get an “advance” on a potential lower standard
- Reevaluate existing control measures
- Expand/enhance existing measures
- Add new control measures where appropriate
- Extend commitment for at least 5 years



# City of Austin Commitments

## 10 City of Austin Commitments in OAP:

- Fleet and Fuel Efficiencies Measures
- Commuter Trip Reduction Program Measures
- Transportation Emission Reduction Measures
- Heavy Duty Idling Restrictions
- Ozone Action Program Measures
- Energy efficiency and resource conservation policies
- Measures to Cool Developed Areas
- Special Event Emission Reduction Policies
- Regional Emission Reduction Measures
- Annual Tracking and Reporting

# City of Austin Commitments

## Commuter Trip Reduction Measures



Implement a **Commuter Trip Reduction program** for City of Austin employees. These programs will include carpooling, vanpooling, the use of mass transit, flexible schedules, teleworking, guaranteed ride home assurances for transit commuters, parking cash-out programs, and other strategies.

# City of Austin Commitments

## Fleet and Fuel Efficiencies Reduction Measures



Evaluate and improve **Fleet and Fuel Efficiencies** to achieve greater efficiency of the City's fleet usage, focus on using the cleanest vehicle appropriate for the jobs, consolidate trips, and in general, set policies for fleet usage that reduce NO<sub>x</sub> emissions.

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