



CITYWIDE TRANSPORTATION ADVISORY COMMITTEE

MEETING #4

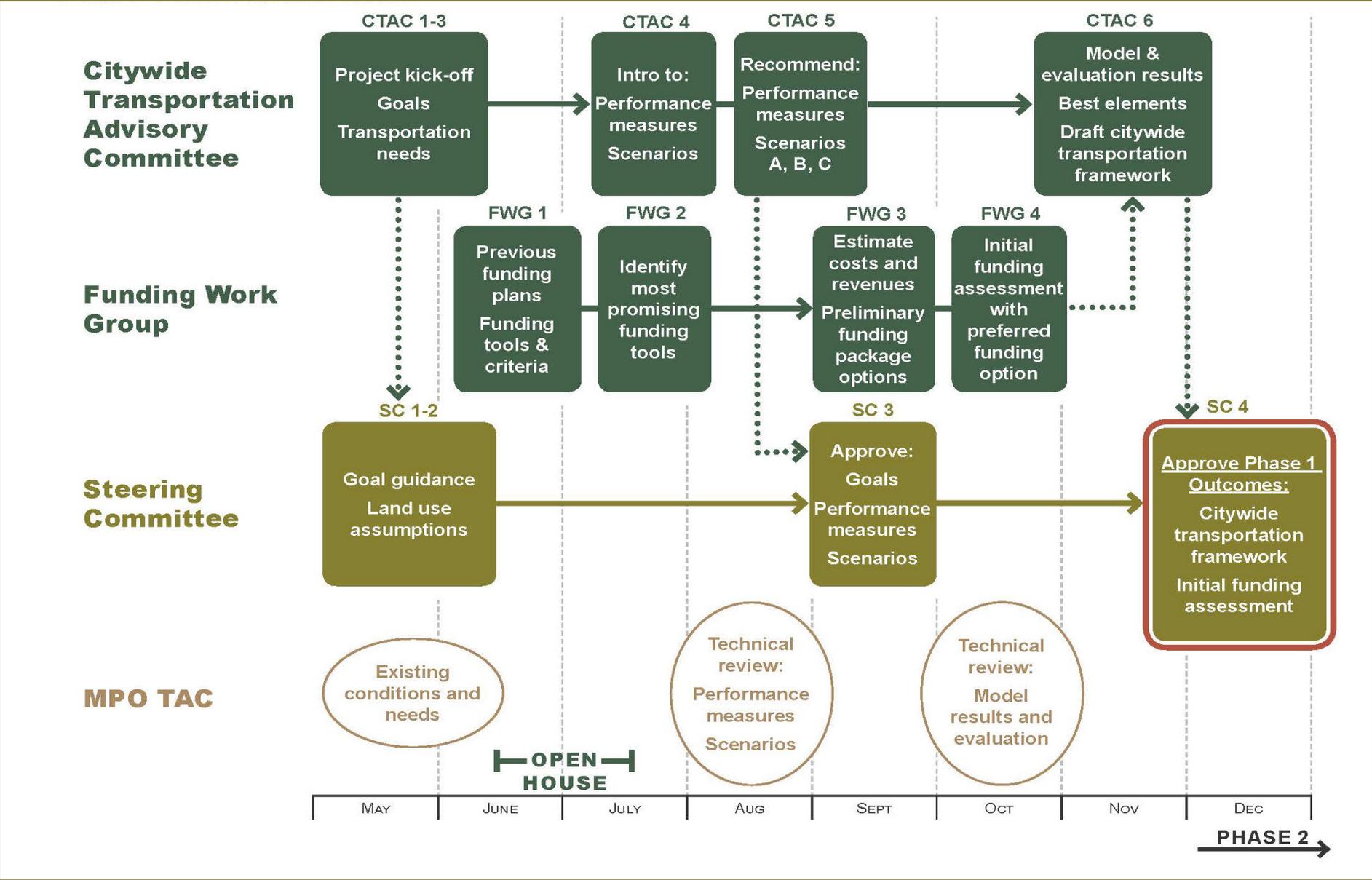
2-5 P.M. THURSDAY, JULY 19, 2018



- Project update
- Public comment #1
- Funding Working Group progress update
- Recommendation on goals
 - Desired CTAC action: recommendation to Steering Committee*
- Performance measures
 - Desired CTAC action: clarifying discussion*
- Scenario process
- Scenario discussion
 - Desired CTAC action: agreement on scenarios*
- Public comment #2

PROJECT UPDATE

PHASE 1 WORK PLAN





PARTICIPATION SUMMARY

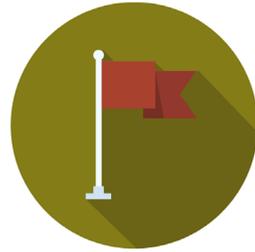
Total Participation



1,000+
Participants | **2,446**
Comments

Includes all online/in-person comments.

June 11th Open House



65
Visitors

Includes all comment forms and map comments.



244
Responses

Online Participation



638
Online Responses



1,143
Online Map Comments

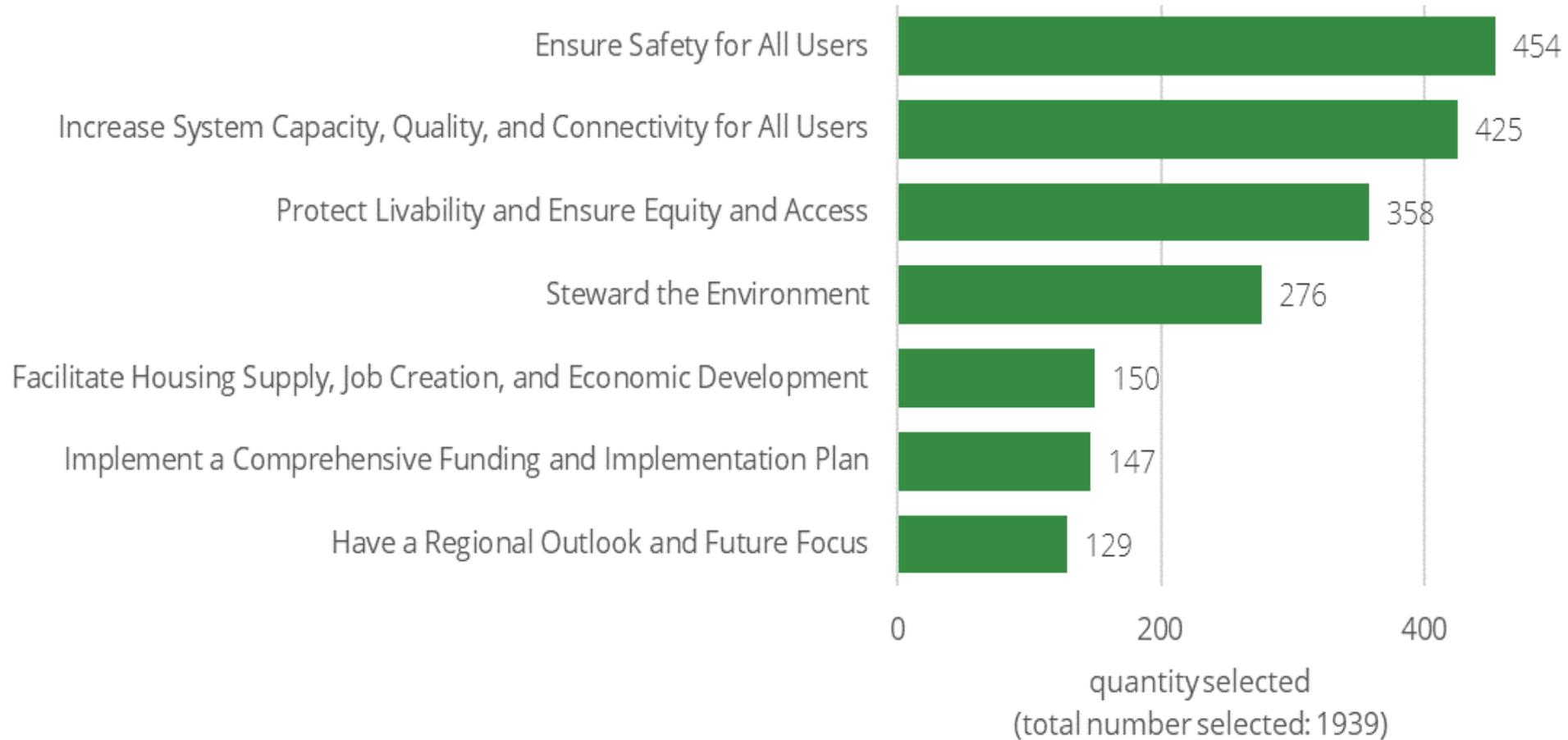


421
Mobile Responses

OPEN HOUSE GOAL RANKING



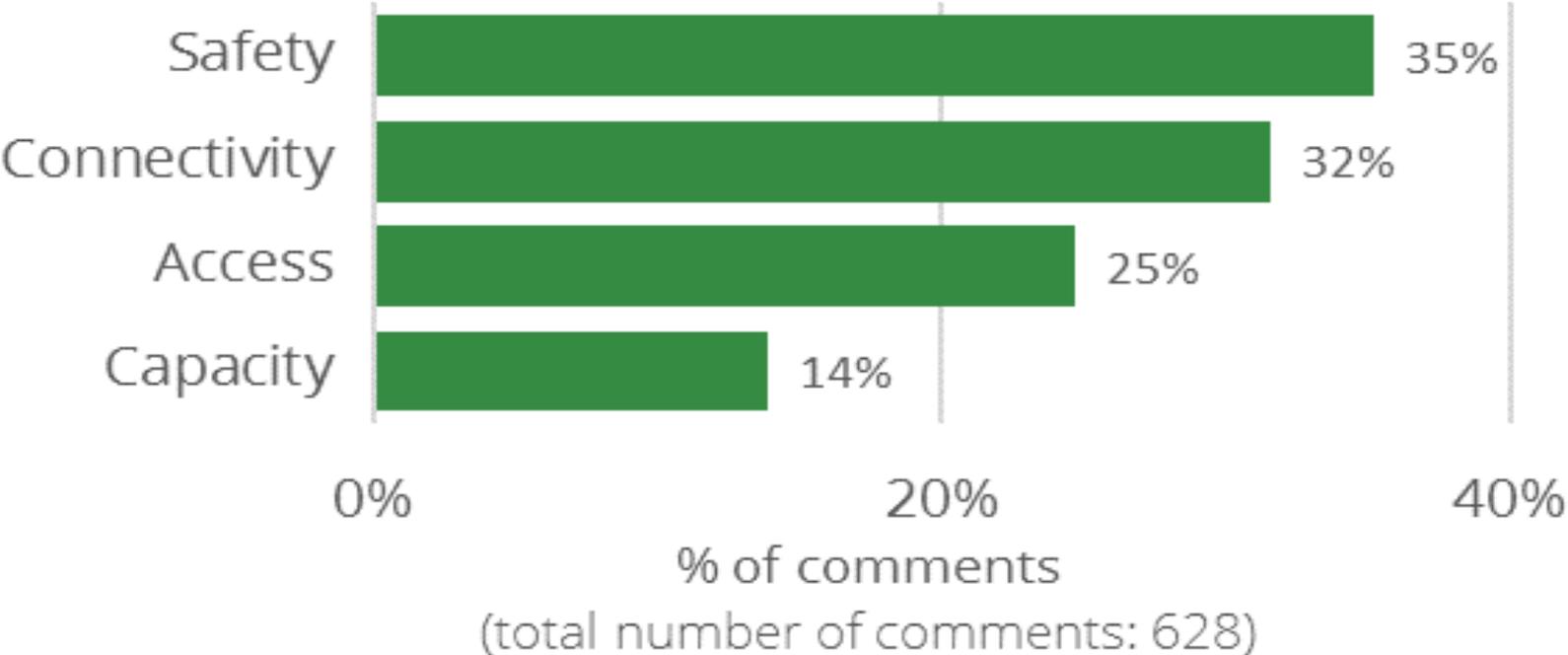
FEEDBACK ON DRAFT GOALS



OPEN HOUSE: THEMES FROM COMMENTS ON NEEDS



NEEDS COMMENTS: THEMES



FUNDING WORKING GROUP #1



FWG#1 held on June 7th. The group:

- Discussed lessons learned from previous funding plans and sources
- Agreed on the need for stability and a balance of funding sources
- Discussed how to evaluate new and enhanced funding sources, and agreed on four broad criteria:
 - **legality, equity, political acceptability, and efficiency**

Next meeting: July 24th, 10-12:30pm at Bend City Council Chambers

The group will compare new and enhanced funding sources according to those criteria, in order to identify the most suitable funding sources for Bend

GOALS RECOMMENDATION

PROPOSED GOALS



- **Increase System Capacity, Quality, and Connectivity for All Users (e.g. drivers, walkers, bicyclists, transit riders, mobility device)**
- **Ensure Safety for All Users**
- **Facilitate Housing Supply, Job Creation, and Economic Development to Meet Demand/Growth**
- **Protect Livability and Ensure Equity and Access**
- **Steward the Environment**
- **Have a Regional Outlook and Future Focus**
- **Implement a Comprehensive Funding and Implementation Plan**

PERFORMANCE MEASURES



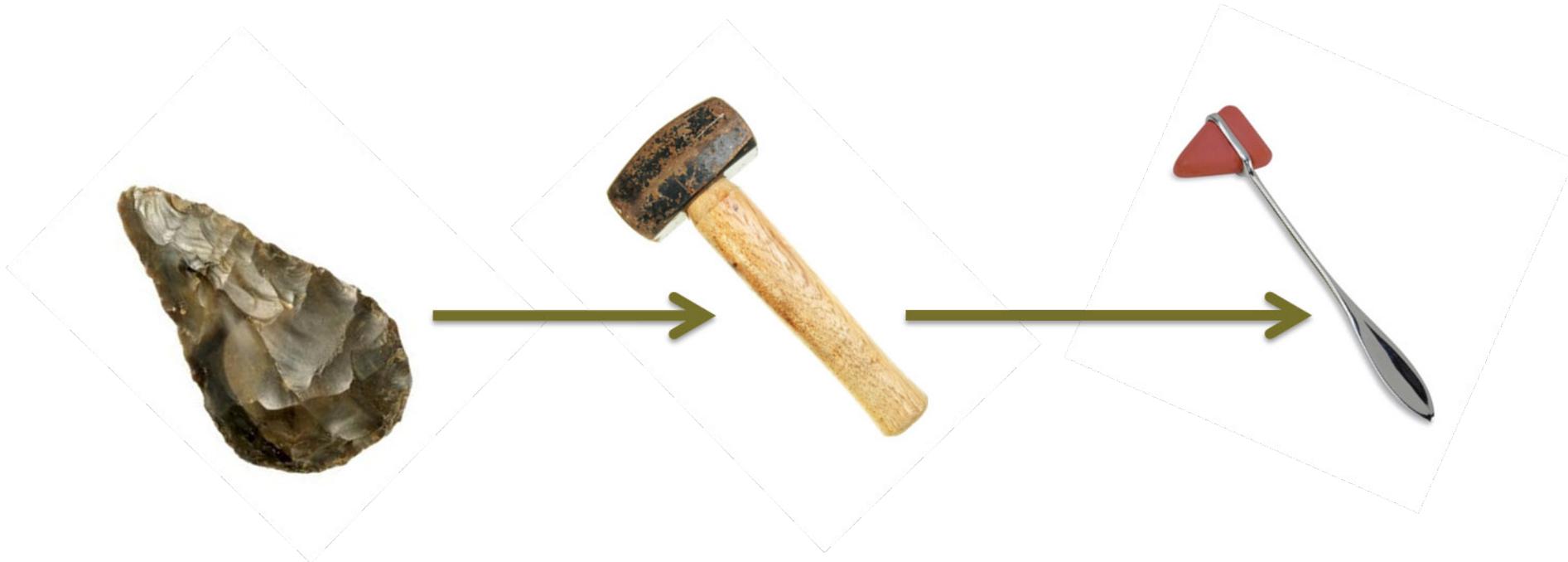
- Goals are a representation of community values
- Performance measures help us evaluate how well we are (or could be) achieving those values



WHAT ARE PERFORMANCE MEASURES?



- Tools to help us evaluate how we are achieving our goals
- Need the right tool for the right job



PERFORMANCE MEASURES FOR USE NOW AND LATER



Future Process



- Site Plan Applications
- Master Plans
- Part of Development Code

Part of Transportation System Plan Update



- Transportation System Plan
- Subarea Plans
- Identifying projects



- Transportation System Plan
- Subarea Plans
- Capital Improvement Program
- Identifying “bang for the buck”

PERFORMANCE MEASURES: USES IN THIS PROJECT



Performance measures will be used to **evaluate scenarios**.

This will demonstrate how well different transportation investments would meet Bend's goals. Performance measures, in this case, are tools for **planning** and **prioritization**.

PREVIOUS APPLICATION OF TRANSPORTATION PERFORMANCE MEASURES



Current TSP

- Demand to Capacity Ratio
- Vehicle Miles Traveled (VMT)
- Vehicles Hours Traveled
- Lane-miles of Congestion
- Several qualitative assessments

Bend MPO MTP

- VMT during PM peak hour
- Vehicle hours traveled during PM peak hour
- Total lane miles
- Demand to Capacity Ratio
- Number/percentage of congested lane miles during PM peak hour
- Travel times during PM peak hour

FIND THE RIGHT TOOL FOR THE JOB



EXAMPLE PERFORMANCE MEASURES



Draft Goals	Example Performance Measure
Increase System Capacity, Quality, and Connectivity for All Users	Demand to Capacity Ratio (congestion)* Sidewalk System Completeness Bicycle System Level of Traffic Stress
Ensure Safety for All Users	Number of Fatal and Injury Crashes Predicted* Known Crashes
Facilitate Housing Supply, Job Creation, and Economic Development to Meet Demand/Growth	Vehicle Hours of Delay* Peak Hour Vehicle Miles Travelled on Rural Facilities
Protect Livability and Ensure Equity and Access	Accessibility Measure Performance Through Equity Lens (poverty, race, age, and disability)
Steward the Environment	Vehicle Miles Traveled Per Capita*
Have a Regional Outlook and Future Focus	Arterial Roadway Miles with Demand to Capacity Ratio Deficiencies Mode Split*
Implement a Comprehensive Funding and Implementation Plan	Cost

PERFORMANCE MEASURE DISCUSSION



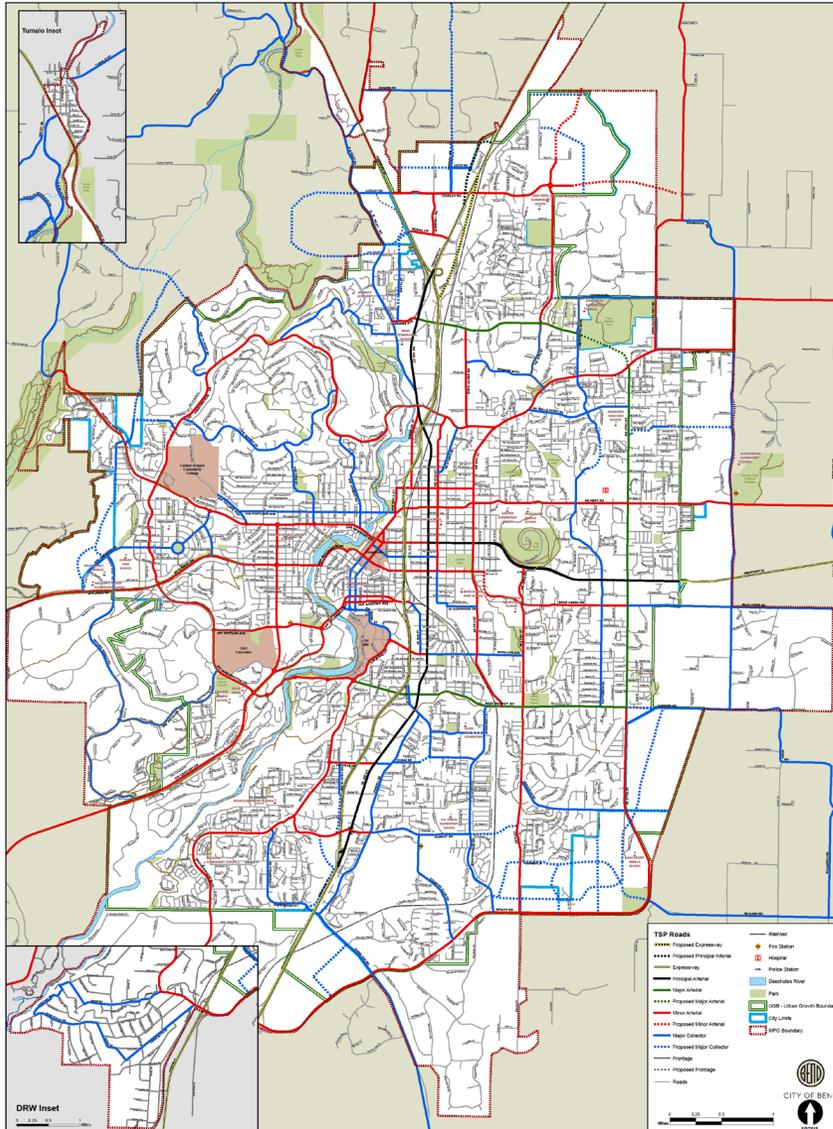
- Does our approach to performance measurement make sense?

SCENARIO INTRODUCTION

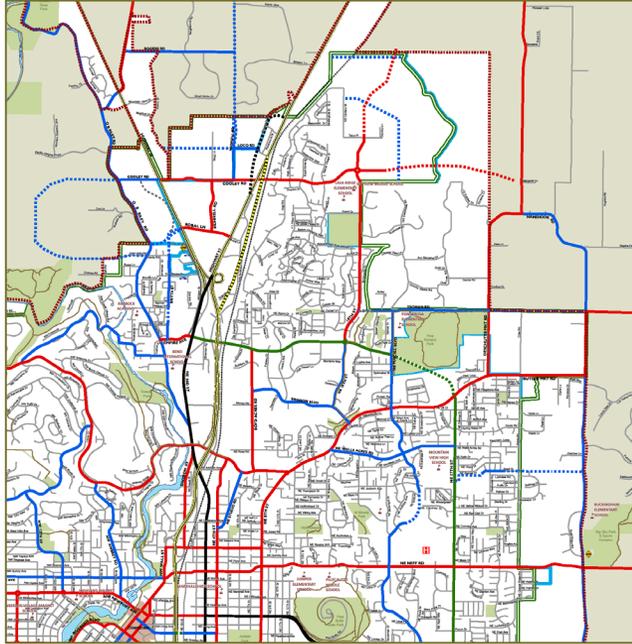


WHAT IS A SCENARIO

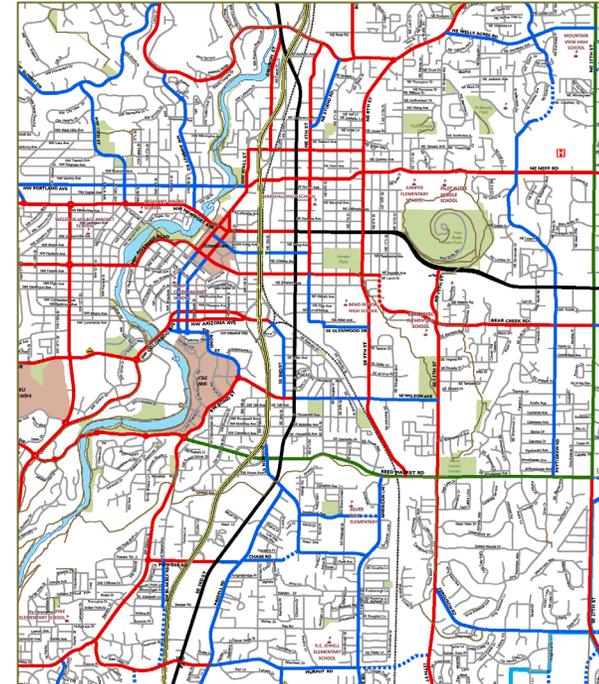
- A scenario is a possible future transportation network focused on the major (citywide) transportation facilities
- Will be expressed as a network map that identifies the future # of lanes on major roads, new roadway connections, future transit network, and new bike or pedestrian routes



SCENARIOS ARE A FRAMEWORK FOR PLACEMAKING



- The path forward is almost always a hybrid that takes parts of each scenario
- Solutions will be different in different parts of Bend
- All scenarios will assume the same 2040 land uses
- Neighborhood needs will be addressed in Phase 2 (2019)



CHANGES IN OUR TRANSPORTATION SYSTEM



- Bend has maintained rapid growth for the last 20 years
- During that time, major transportation investments were made to manage growth, including:
 - Building the US 97 Parkway
 - Building the south river crossing (Reed Market Road)
 - Implementing fixed-route transit service
 - Building new corridors to connect to growth areas
- Under current funding constraints, how do planned investments keep up with the forecasted growth in terms of mobility/congestion?

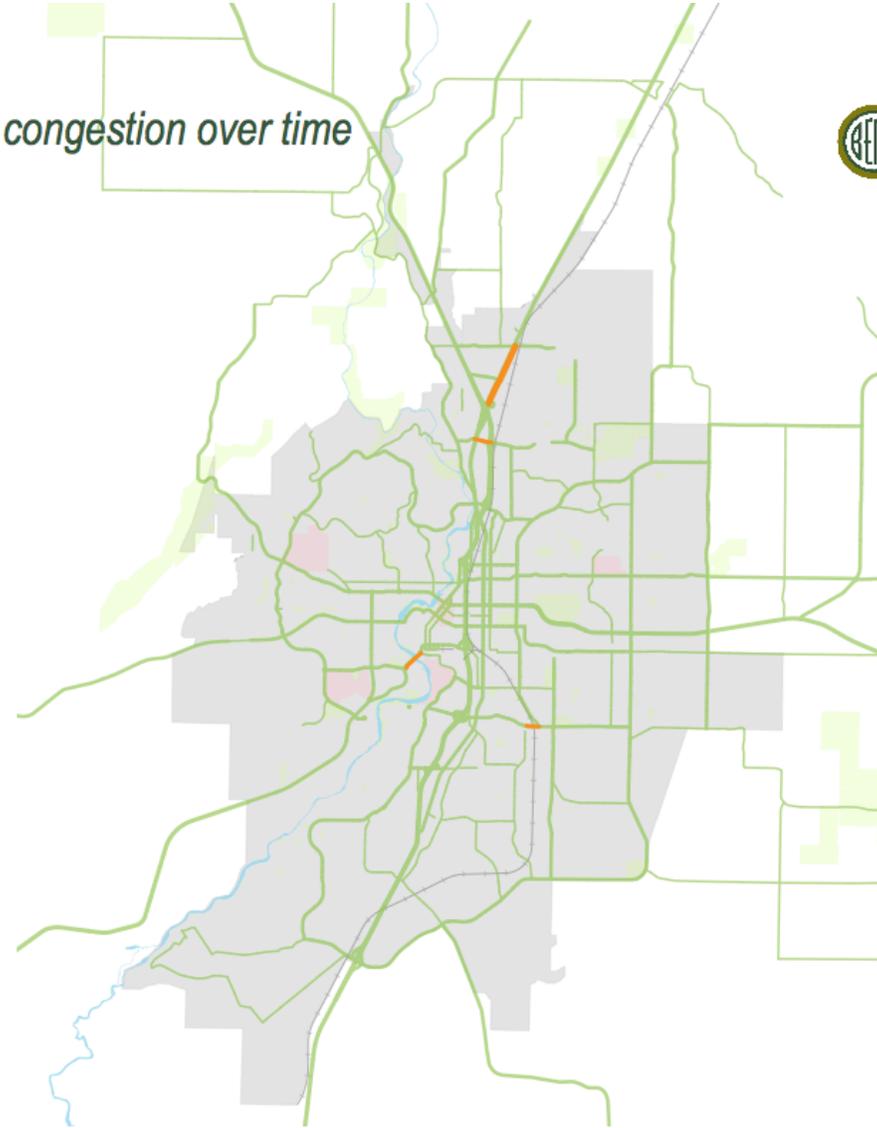
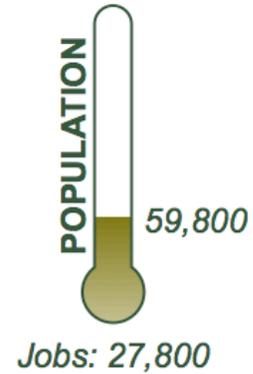


2003 TRANSPORTATION SYSTEM

Bend's mobility: the story of congestion over time

2003

- Flowing
- Slow
- Crawl



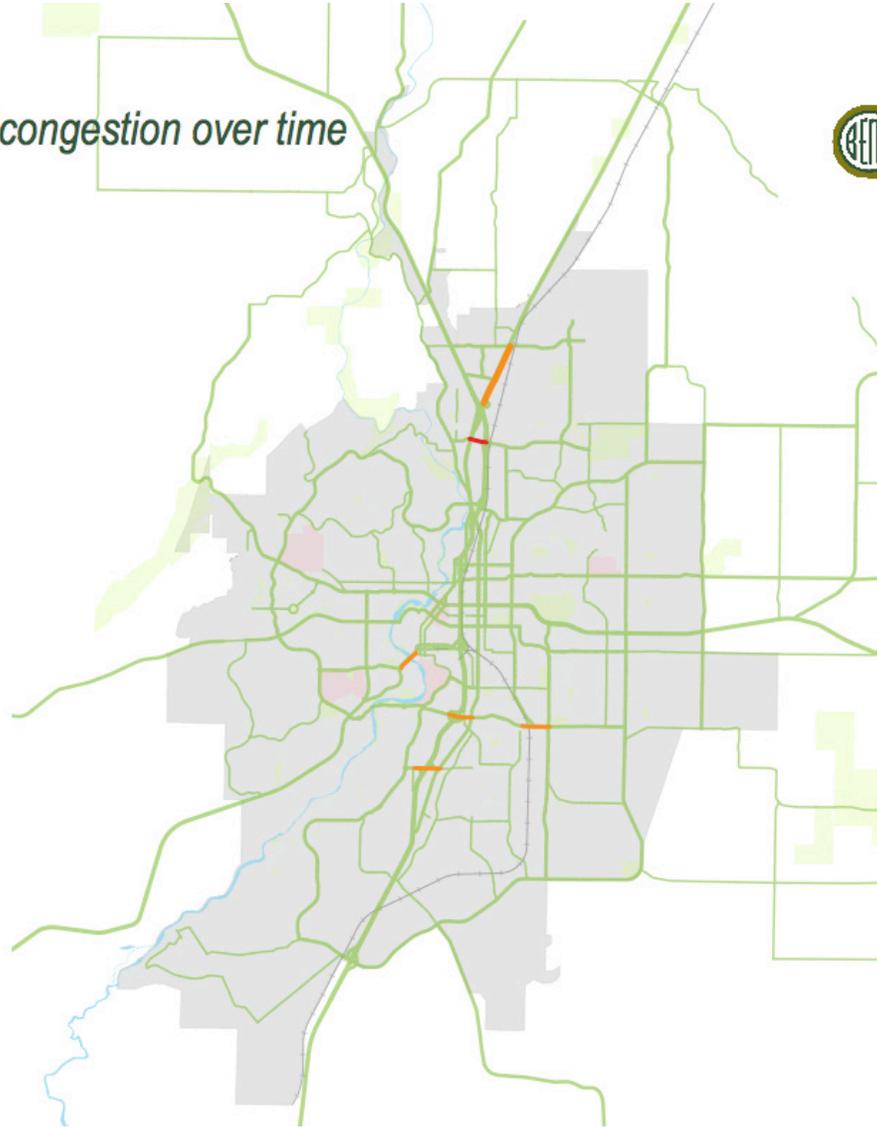
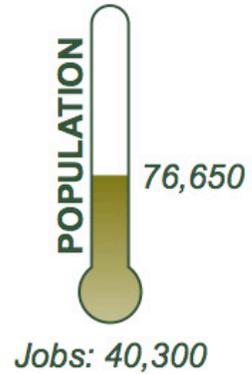
2010 TRANSPORTATION SYSTEM



Bend's mobility: the story of congestion over time

2010

- Flowing
- Slow
- Crawl



2018 TRANSPORTATION SYSTEM

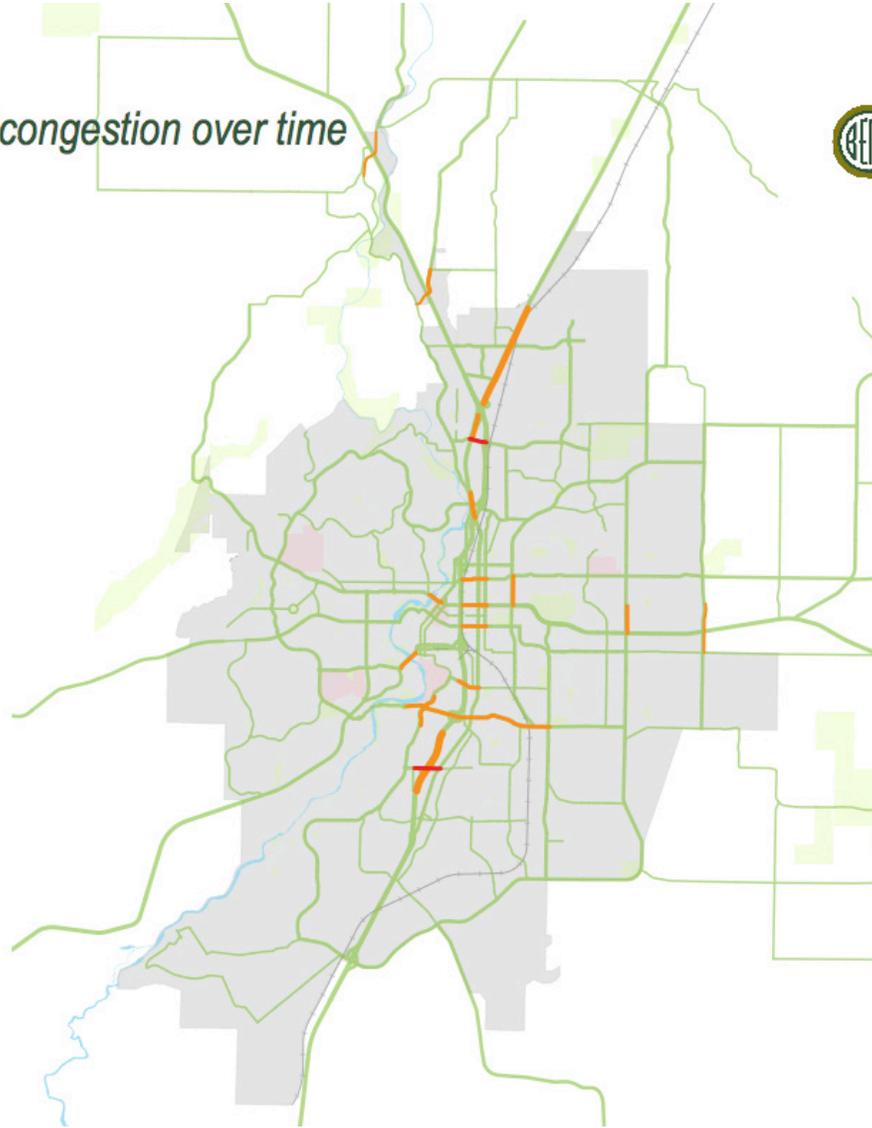
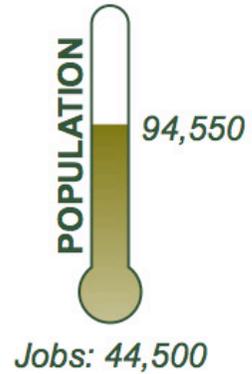


Bend's mobility: the story of congestion over time

2018



- *Flowing*
- *Slow*
- *Crawl*



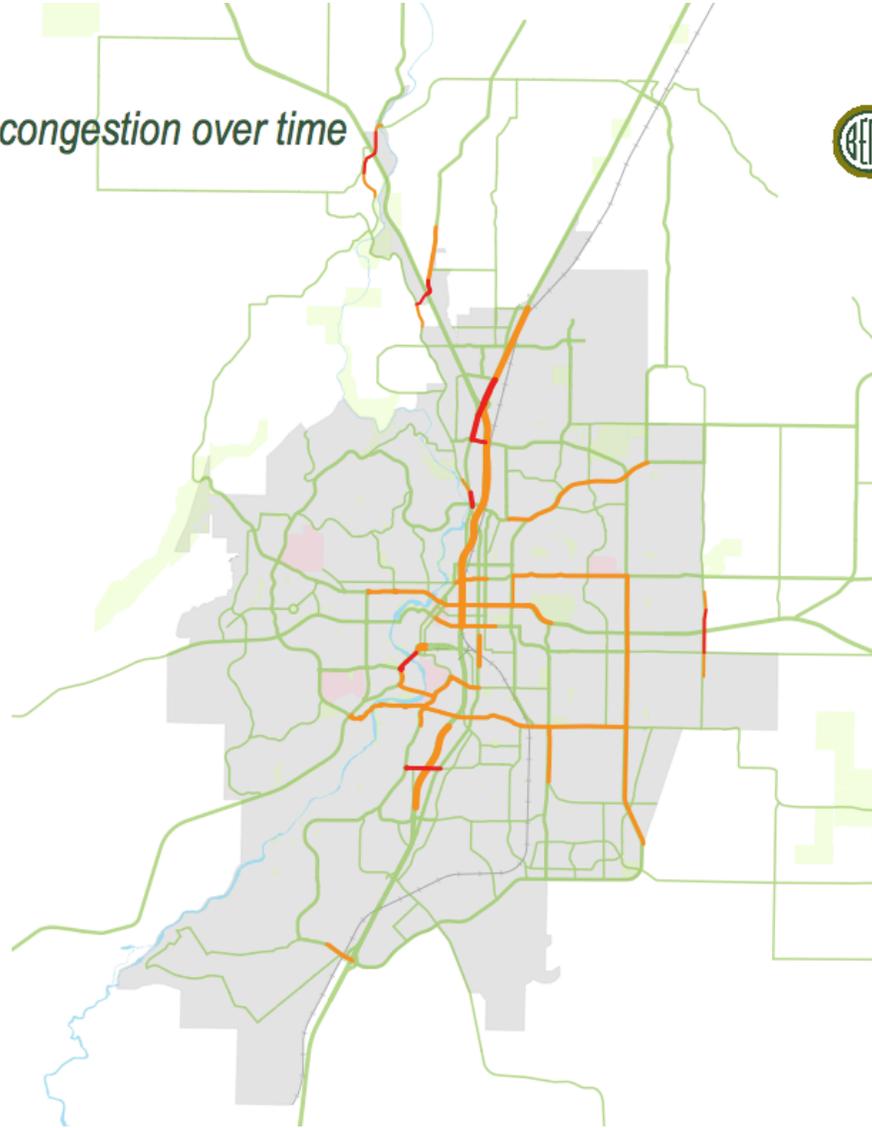
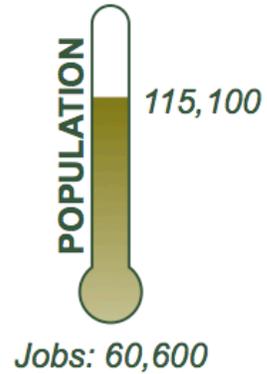
2028 TRANSPORTATION SYSTEM



Bend's mobility: the story of congestion over time

2028

- Flowing
- Slow
- Crawl



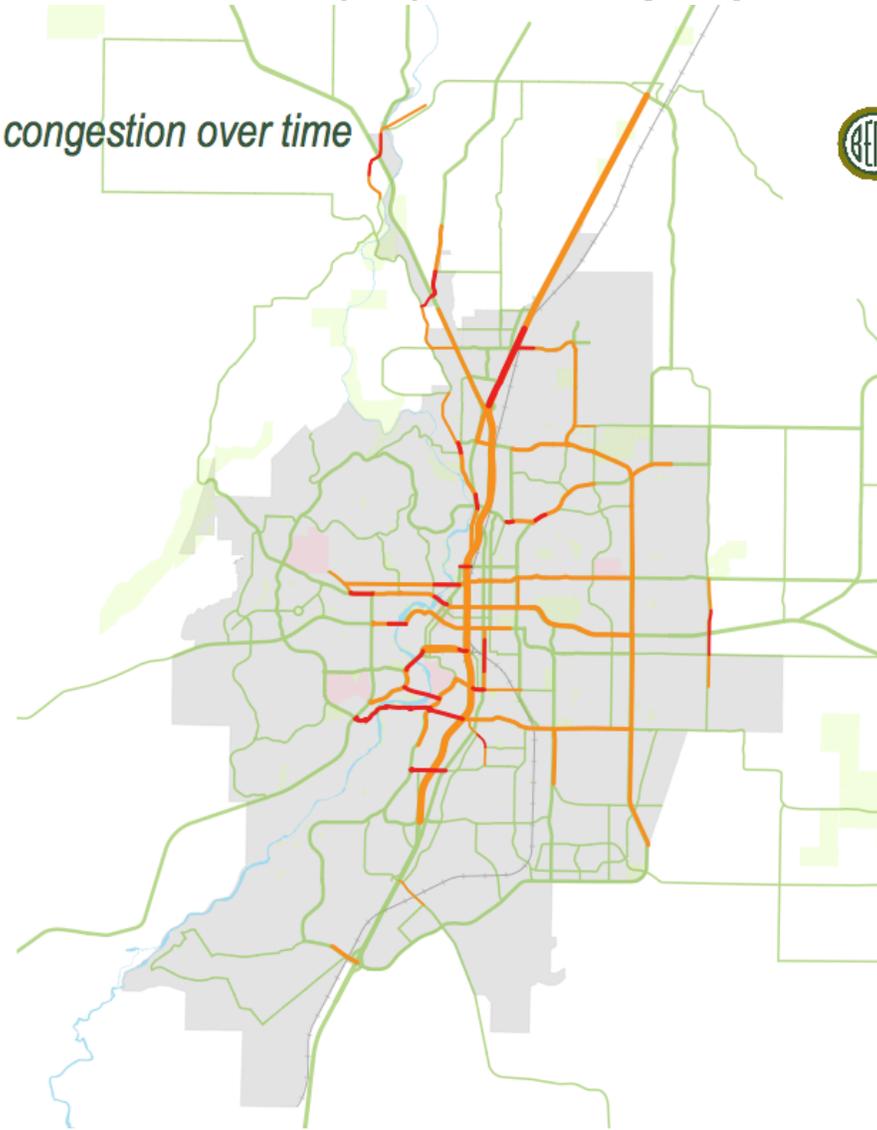
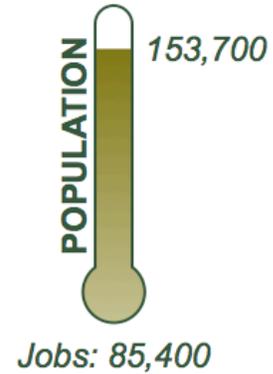


2040 TRANSPORTATION SYSTEM

Bend's mobility: the story of congestion over time

2040

- Flowing
- Slow
- Crawl

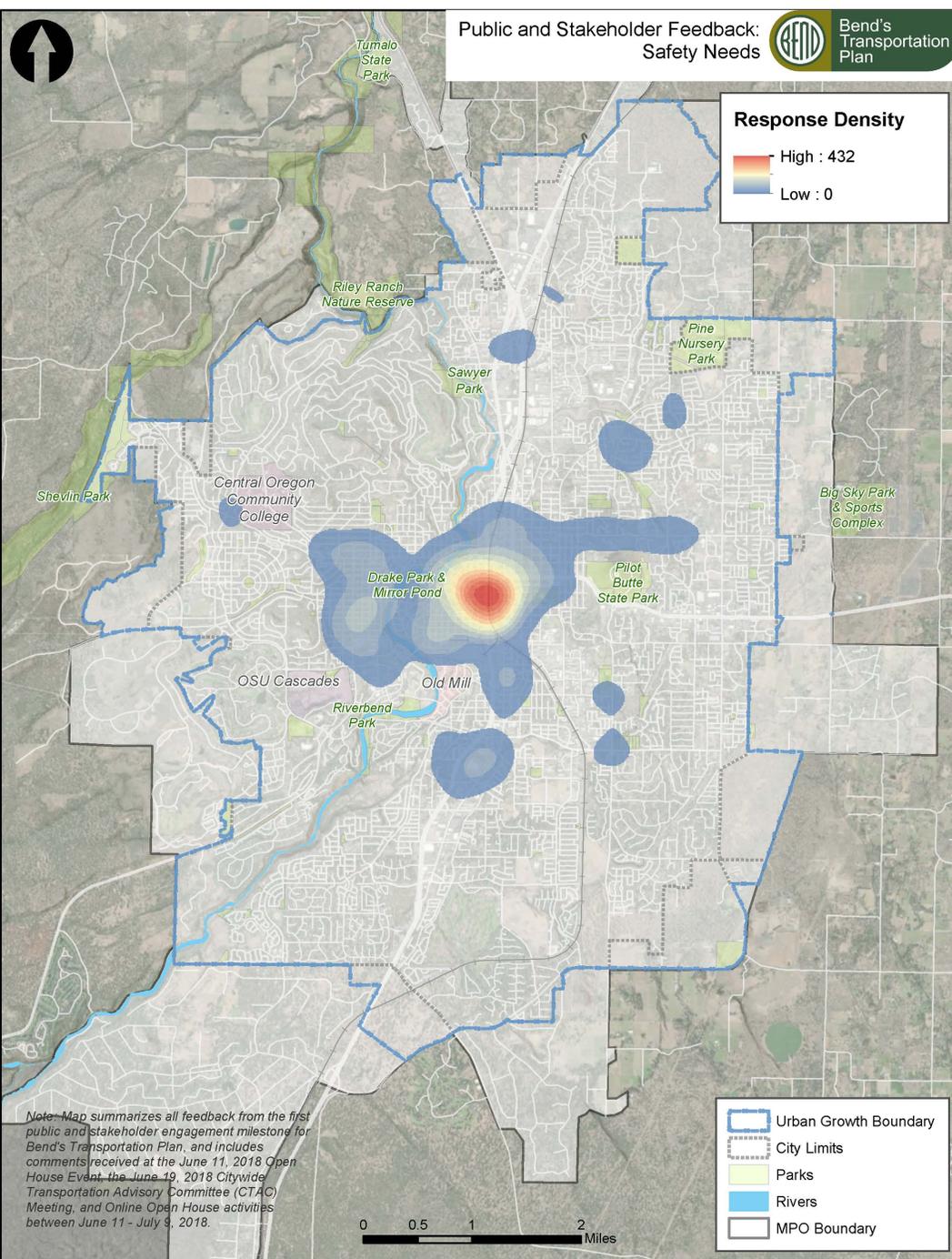


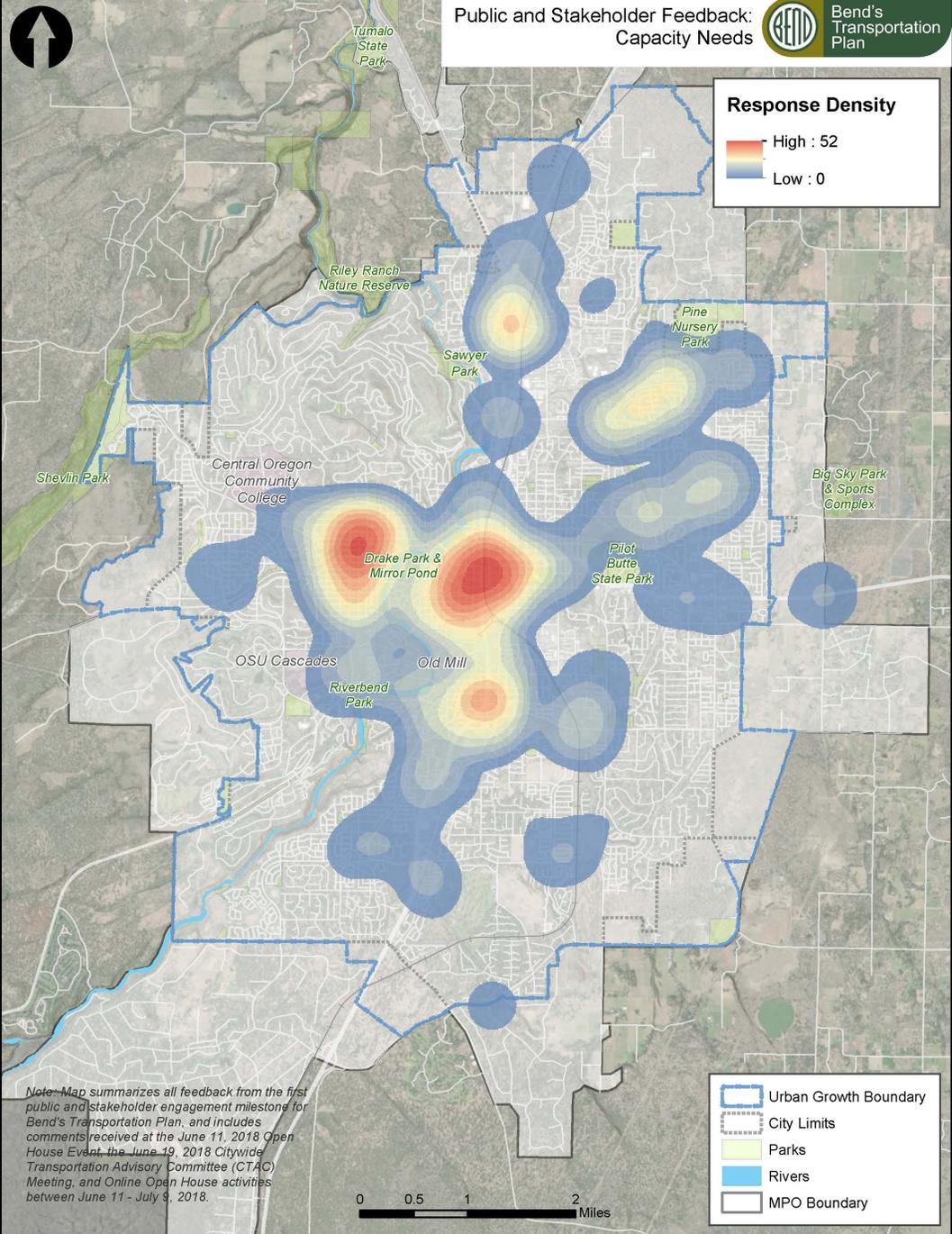


SAFETY NEEDS



- Comments included words like: dangerous, crashes, speeding, accidents
- Safety comments crossed all modes

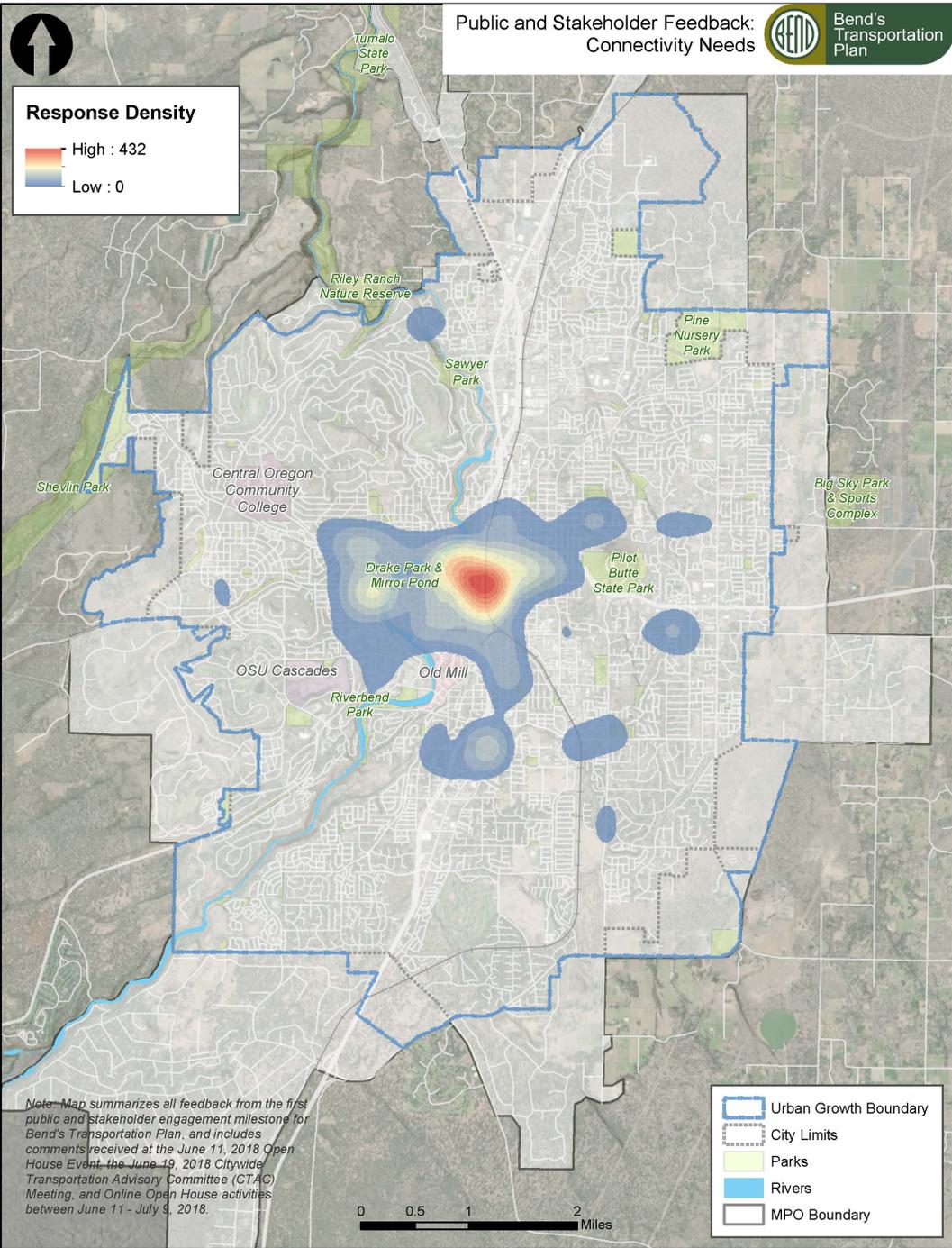




CAPACITY NEEDS



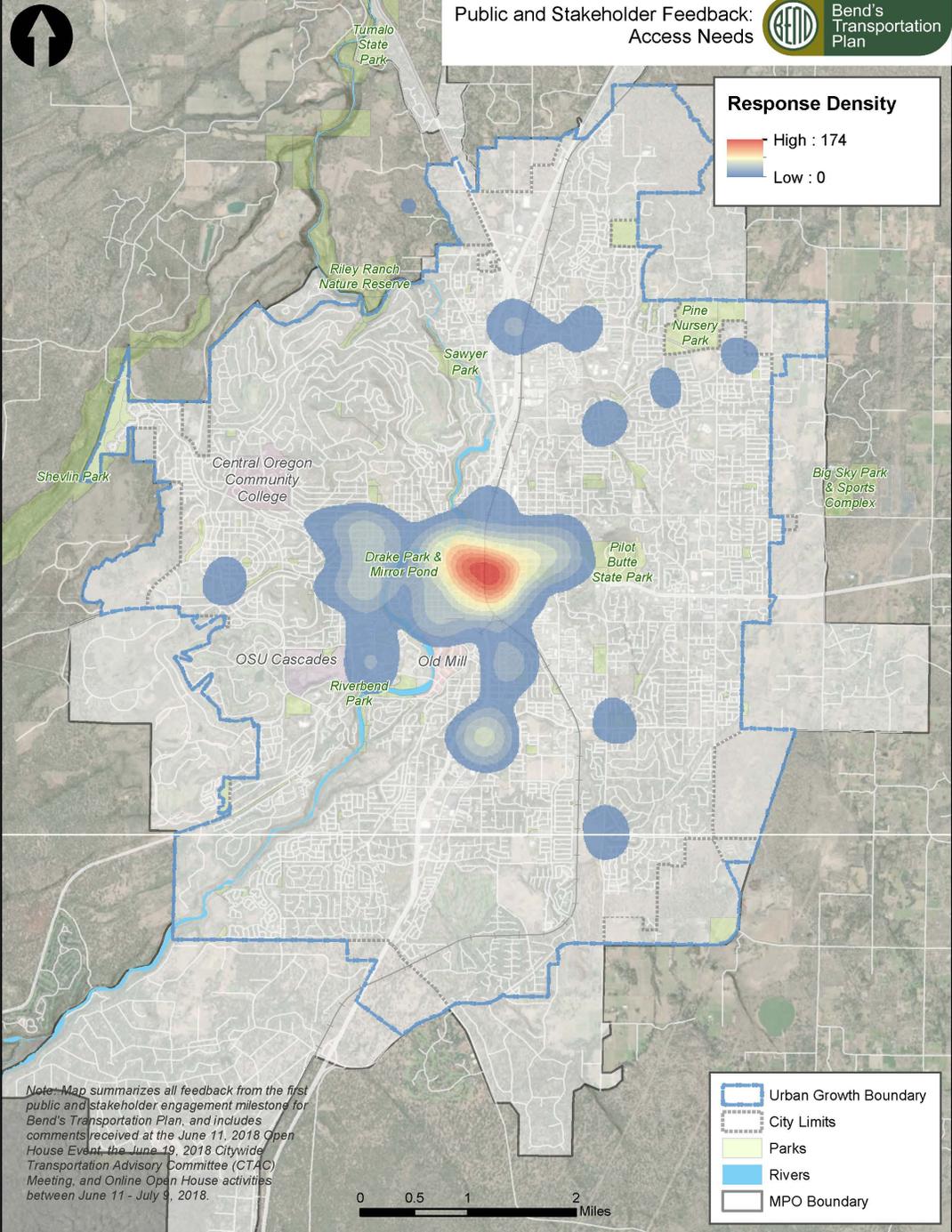
- Capacity comments included words like congestion, widen, bottleneck, backups
- Capacity comments were mostly related to motor vehicles



CONNECTIVITY NEEDS



- Connectivity comments included words like connect to, cross, links, sidewalks, bridges, bike lanes
- Connectivity comments crossed all modes

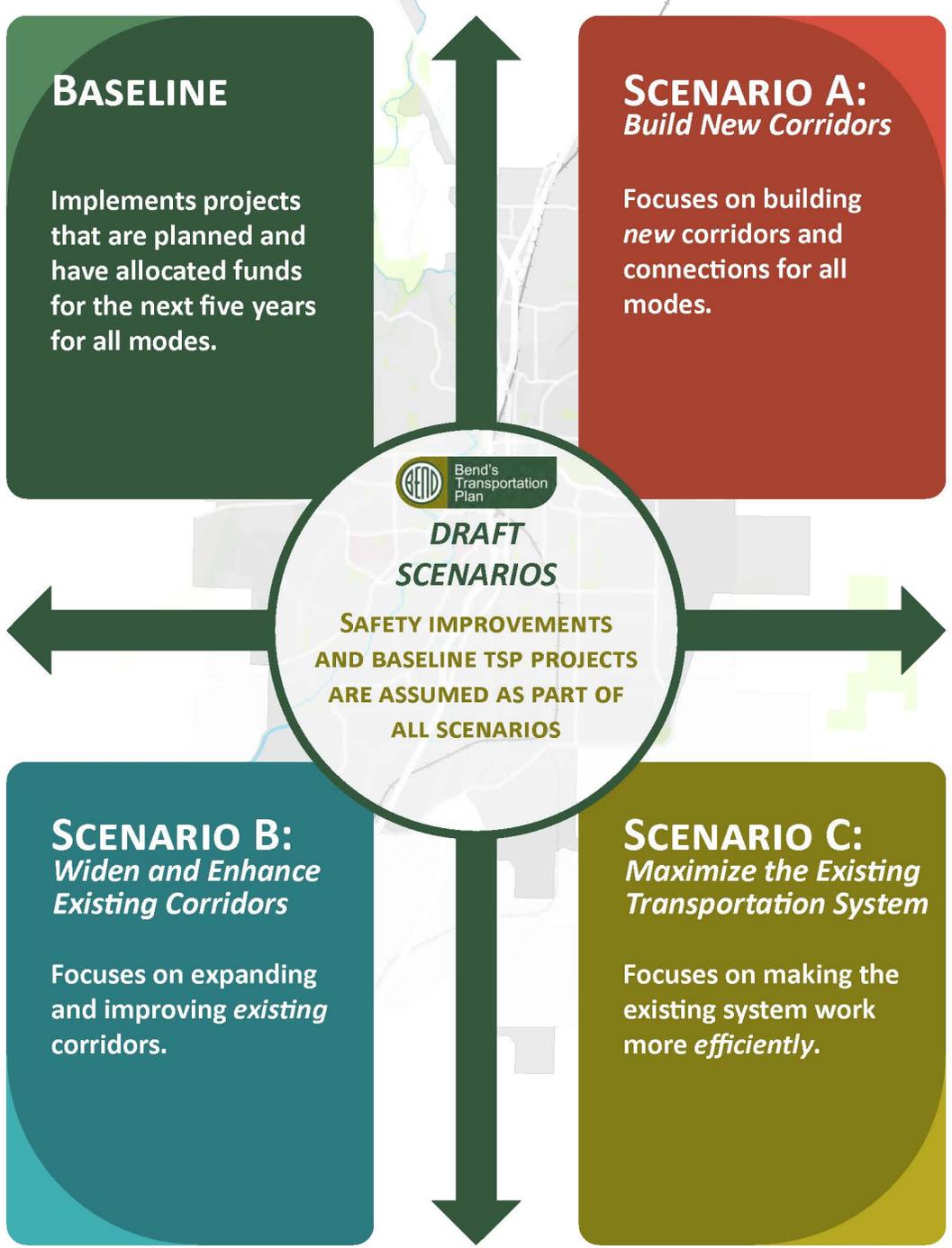


ACCESS NEEDS



- Access comments included words like cross, bus or transit, bus stop, and specific destinations like parks and schools
- Access comments included all modes but were most focused on biking, walking and transit

THREE SCENARIOS



EVALUATING THE SCENARIOS



- Use performance measures to evaluate and compare scenarios
- Interpret results to understand what moves the needle
- Present results to CTAC for review and development of a “hybrid” scenario in November

SCENARIO DISCUSSION



- Do the three proposed scenarios represent a full range of approaches to improving the transportation system?
- Are there any scenarios that you don't think are useful in evaluating the citywide framework?

NEXT STEPS



- Funding Work Group: July 24
- Workshop: July 27
- CTAC #5: August 22
- Steering Committee: September 13