



BEND MPO
Metropolitan Planning Organization

Technical Advisory Committee Meeting

April 3, 2024

Call to Order & Introductions

Tyler Deke

Call to Order & Introductions

TAC Members

- Henry Stroud, Bend Park and Recreation District (BPRD)
- Sharon Smith, Bend La Pine Schools (BLS)
- Robin Lewis, City of Bend
- Eric Lint, Cascade East Transit (CET)
- Greg Bryant, Citizen Representative
- Josh Clawson, Central Oregon Community College (COCC)
- Brian Potwin, Commute Options
- Tarik Rawlings, Deschutes County
- Dave Thomson, Deschutes County BPAC
- Ken Shonkwiler, ODOT Region 4
- Casey Bergh, OSU Cascades
- Angie Brewer, Department of Land Conservation & Development (DLCD)*
- Jasmine Harris, Federal Highway Administration (FHWA)*

BMPO Staff

- Tyler Deke, Manager*
- Andrea Napoli, Senior Planner
- Kelli Kennedy, Program Coordinator

Consultant Staff

- Aaron Berger, DKS Associates
- Matt Kittelson, Kittelson & Associates

Members of the public, visitors, and presenters will be asked to introduce with name and entity.

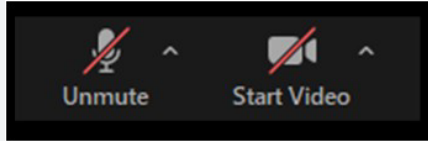
*Non-voting members

Hybrid Meeting Guidelines

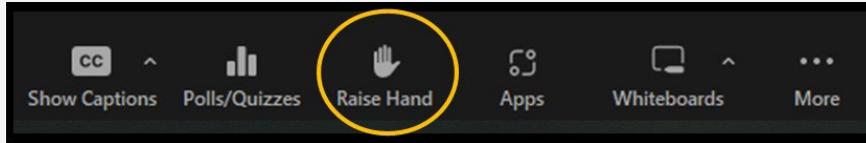
Tyler Deke

Hybrid Meeting Guidelines

- You will be on **mute**, and your **video** will be off when you first join the meeting.



- Please click the **raise hand** icon to speak next.



- If you join the webinar by phone, dial ***9** to raise or lower your hand.
- This meeting will be recorded and is available as a live streaming event on YouTube. The YouTube event can be reviewed on the City of Bend YouTube channel.

Public Comment

Tyler Deke

Public Comment

- Time for members of the public to provide comment.
- Additional time for public comment will be provided before the meeting adjourns.

Meeting Summaries

Tyler Deke

Meeting Summaries

- Review and approve December 6, 2023, draft meeting summary (Attachment A).
- Recommended language for motion: *I move approval of the December 6, 2023, Technical Advisory Committee draft meeting summary as presented.*

- Review and approve January 9, 2024, draft meeting summary (Attachment B).
- Recommended language for motion: *I move approval of the January 9, 2024, Technical Advisory Committee draft meeting summary as presented.*

Metropolitan Transportation Plan (MTP) Update

Aaron Berger, DKS Associates

Matt Kittelson, Kittelson & Associates

BEND MTP 2045 UPDATE – REFINED PROJECT LIST EVALUATION

AARON BERGER

PROJECT MANAGER

adb@dksassociates.com

503-972-7853

SHAPING A SMARTER
TRANSPORTATION EXPERIENCE™
DKSASSOCIATES.COM

AN EMPLOYEE-OWNED COMPANY



PROJECT LIST EVALUATION AGENDA ITEMS

- 1 / REFINEMENTS TO THE
MTP PROJECT LIST
- 2 / UPDATED MTP
PROJECT LIST
EVALUATION
- 3 / COST ESTIMATES
- 4 / NEXT STEPS

1

REFINEMENTS TO THE MTP PROJECT LIST

MTP PROJECT LIST REFINEMENTS

- Added Projects

- > Ward Road rural to urban upgrade (US 20 to Stevens Road)
- > “Z” Study – Refinement Plan for Revere Ave/Wall St Corridor from Division St to Olney Ave
- > Key Route Cross Section Elements Review and Cost Estimate Update Study
- > TSP Programs Funding Plan (identify funding for programmatic solutions)

- Modified Projects

- > O.B. Riley Road Corridor upgrade from Hardy to Archie Briggs (re-scoped to exclude capacity upgrades)



UPDATED MTP PROJECT LIST EVALUATION

UPDATES TO THE BRM

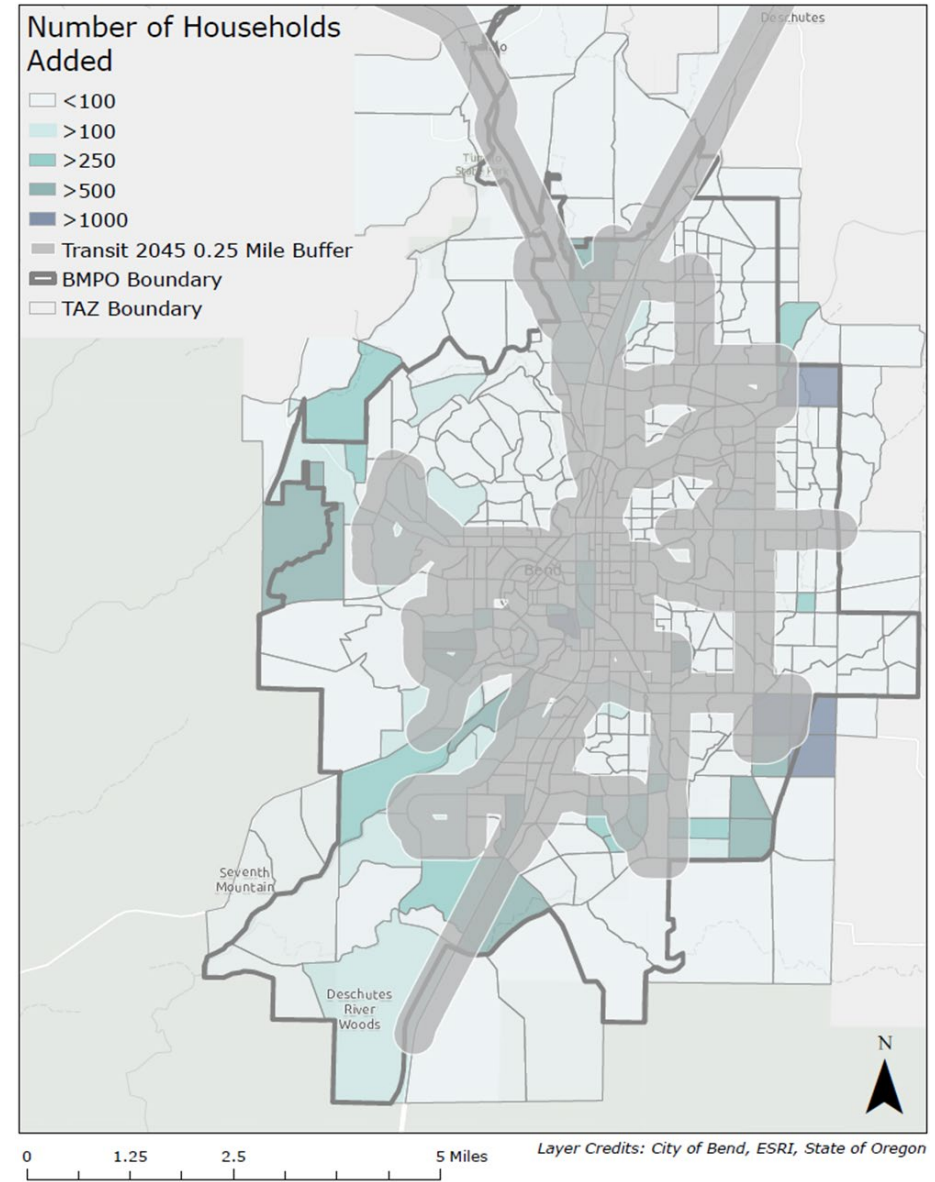
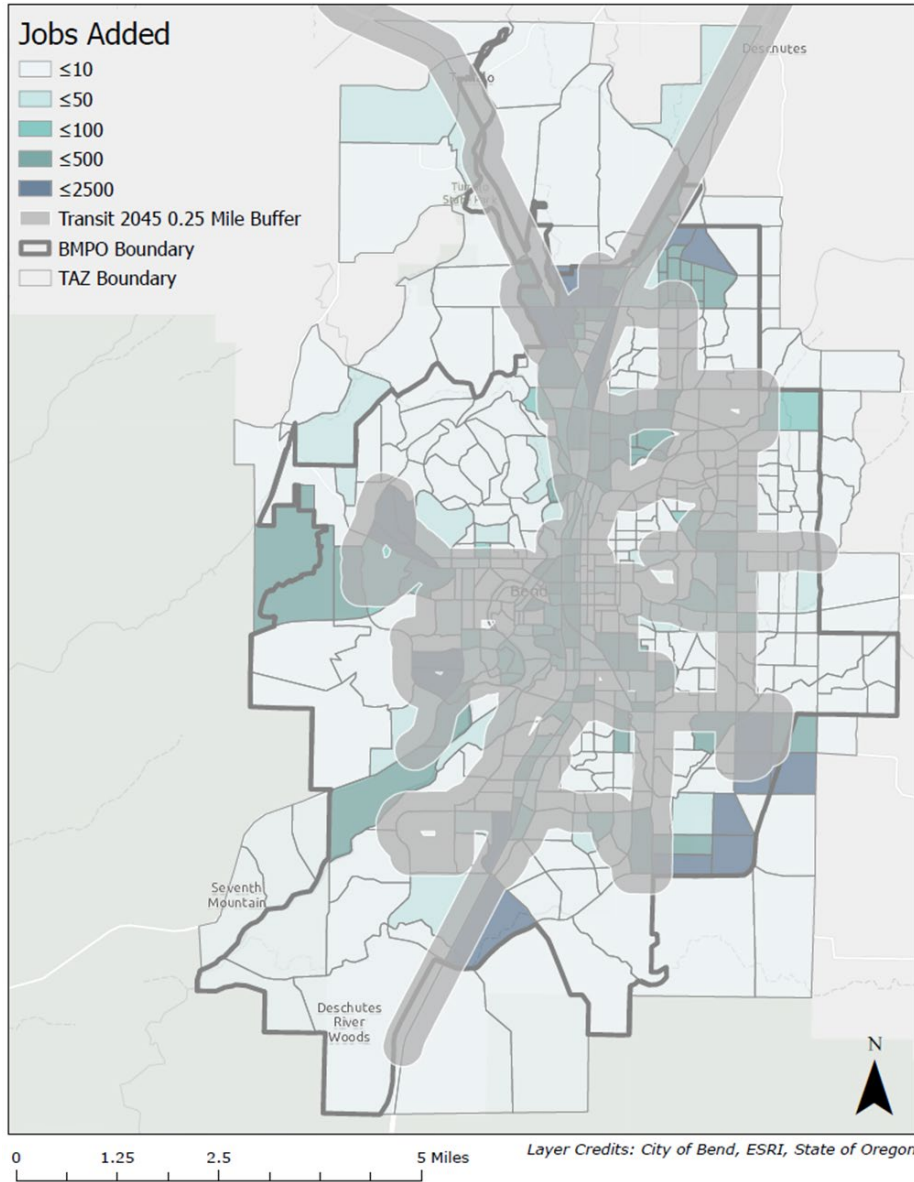
- ODOT Updates (applied to 2019, 2045 No-Build, and 2045 MTP Project List Scenarios)
 - > Refinements to cost of travel assumptions – resulted in more sensitivity to transit, walking, and biking modes of travel
 - > Updates to external station (model entries and exits) data based on newest Statewide Integrated Model (SWIM) – mostly effected the primary state facilities (US 97, US 20)
- MPO Refinements (applied only to the 2045 MTP Project List Scenario)
 - > New/refined capital projects
 - > Minor modification to CET Route 8 – results in better transit coverage
 - > Updated assumptions reflecting TDM programs and policies – increased shift to transit, walking, and biking trips in TDM targeted TAZs
 - > Updated mobility hub modeling assumptions – better reflect the active transportation enhancements supporting these locations

KEY PERFORMANCE METRICS – ACTIVE TRANSPORTATION

PERCENT WALKING AND BIKING TRIPS WITHIN THE BEND MPA

MODE	2019 BASE	2045 NO-BUILD	2045 REFINED PROJECT LIST	% CHANGE BETWEEN NO-BUILD AND REFINED PROJECT LIST
PEDESTRIAN	10.2%	11.8%	12.9%	9%
BICYCLE	3.4%	3.4%	4.5%	29.9%
TRANSIT	0.18%	0.15%	0.83%	447%
TOTAL	13.7%	15.4%	18.2%	17.9%

KEY PERFORMANCE METRICS - TRANSIT



KEY PERFORMANCE METRICS - TRANSIT

PERCENT OF MPA HOUSEHOLDS AND JOBS WITHIN 0.25 MILES OF TRANSIT SERVICE

MODE	2019 BASE	2045 NO-BUILD	2045 REFINED PROJECT LIST	% CHANGE BETWEEN BASE AND REFINED PROJECT LIST	% CHANGE BETWEEN NO-BUILD AND REFINED PROJECT LIST
HOUSEHOLDS	55%	44%	52%	-6%	33%
JOBS	69%	55%	66%	-4%	30%

PERCENT TRANSIT TRIPS WITHIN THE BEND MPA

MODE	2019 BASE	2045 COMMITTED	2045 REFINED PROJECT LIST	% CHANGE BETWEEN BASE AND REFINED PROJECT LIST	% CHANGE BETWEEN COMMITTED AND REFINED PROJECT LIST
TRANSIT DEMAND	0.18%	0.15%	0.83%	352%	447%

KEY PERFORMANCE METRICS – MODE SPLIT/VMT

PERCENT WALKING AND BIKING TRIPS WITHIN THE BEND MPA

MODE	2019 BASE	2045 NO-BUILD	2045 REFINED PROJECT LIST	% CHANGE BETWEEN NO-BUILD AND REFINED PROJECT LIST
PEDESTRIAN	10.2%	11.8%	12.9%	9%
BICYCLE	3.4%	3.4%	4.5%	29.9%
TRANSIT	0.18%	0.15%	0.83%	447%
TOTAL	13.7%	15.4%	18.2%	17.9%

DRAFT DAILY VMT PER CAPITA RESULTS

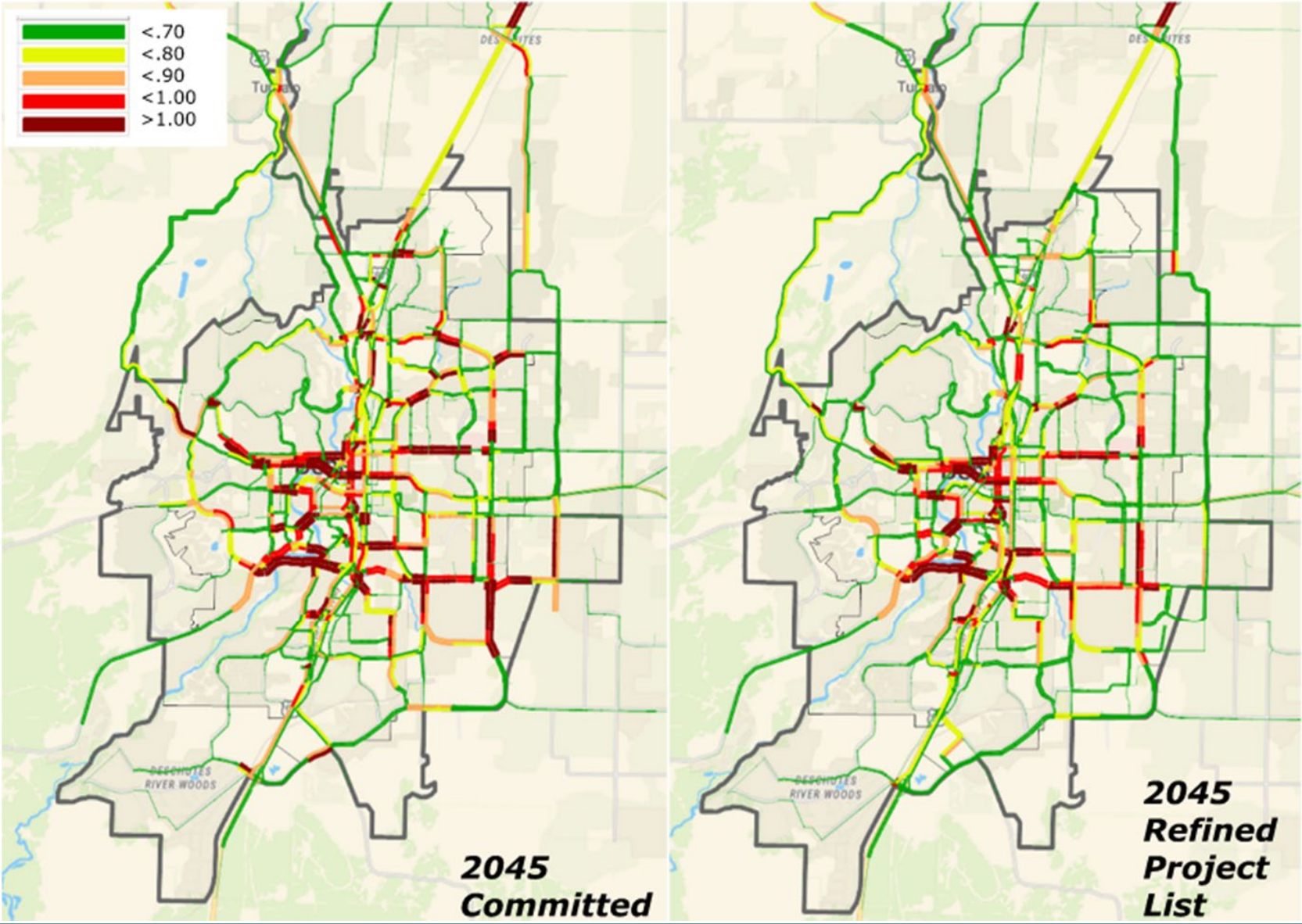
MEASURE	2019 BASE	2045 COMMITTED	2045 REFINED PROJECT LIST	% CHANGE BETWEEN BASE AND REFINED PROJECT LIST	% CHANGE BETWEEN NO-BUILD AND REFINED PROJECT LIST
DAILY VMT PER CAPITA	6.89	7.26	6.72	-2.5%	-7.4%

KEY PERFORMANCE METRICS – CONGESTION

PM PEAK HOUR VEHICLE HOURS OF DELAY

ROADWAY JURISDICTION	2019 BASE	2045 NO-BUILD	2045 REFINED PROJECT LIST	% CHANGE BETWEEN BASE AND REFINED PROJECT LIST	% CHANGE BETWEEN NO-BUILD AND REFINED PROJECT LIST
CITY OF BEND FACILITIES	283	1,248	867	206%	-31%
ODOT FACILITIES	114	445	336	196%	-25%
DESCHUTES COUNTY FACILITIES	7	38	16	125%	-57%
TOTAL	404	1,731	1,219	202%	-30%

KEY PERFORMANCE METRICS – CONGESTION





COST ESTIMATES

METHODOLOGY

- Project Team Approach to Updates
 - > Utilize existing methodology from Bend Transportation System Plan & GO Bond
 - Based on recent bids and unit cost estimates
 - > Adjust prior cost estimates to ENR index
 - > Add/modify projects based on updated information and team recommendation
 - > ODOT Updates (applied to 2019, 2045 No-Build, and 2045 MTP Project List Scenarios)

KEY CHANGES TO COST ESTIMATES

- Key changes:
 - > Modified several project estimates to reflect current assumptions (i.e., adding sidewalks instead of full 3-lane urban upgrade)
 - > Added/modified cost estimates for Hamby/Ward corridor
 - > Modified/reduced costs where a portion of project had previously been constructed
- Ongoing updates:
 - > Confirmation of projects and cost estimates along the 27th Street corridor



NEXT STEPS

UPCOMING MTP TASKS

- Complete CFA Sensitivity Scenario Model Run
- Project Prioritization – Draft Financially Constrained Project List

THANK YOU

AARON BERGER

PROJECT MANAGER

adb@dksassociates.com

503-972-7853

SHAPING A SMARTER
TRANSPORTATION EXPERIENCE™
DKSASSOCIATES.COM

AN EMPLOYEE-OWNED COMPANY



Member & Guest Roundtable

Time for TAC member to provide updates on current projects and planning efforts.

Public Comment

Time for members of the public to provide comment.

Next TAC Meeting

The next meeting of the BMPO TAC is scheduled for
May 1, 2024, at 10:00 a.m.

Adjourn

Tyler Deke

Accommodation Information for People with Disabilities



To obtain this information in an alternate format such as Braille, large print, electronic formats, etc. please contact Kelli Kennedy at kkennedy@bendoregon.gov or 541-693-2122; Relay Users Dial 7-1-1.