

MEMORANDUM

To: Bend MPO PTP Technical Advisory Committee

From: Thomas Brennan, Paul Lutey, and Oren Eshel

Date: March 28, 2012

Subject: Discussion Draft Outlines for Task 4 Future Opportunities and Future Transit Service Concepts and Projects memos

This memo provides draft outlines for the following two deliverables that will be developed in Task 4 of this project. These outlines are intended as a starting point to facilitate discussion at the second TAC meeting on April 6th.

- **Task 4.1: Future Opportunities** memo will identify, evaluate, and prioritize transit corridors, based on the data, analysis, and input from the Existing Conditions report and the Public Transit Plan goals. It will conduct an assessment of land use and public facilities opportunities and constraints along these corridors and evaluate the potential for future transit demand. This analysis will inform the network of transit corridors proposed in the second deliverable for this task (4.2).
- **Task 4.2: Future Transit Service Concepts and Projects** memo will provide both short- and long-term concepts for transit service and capital investments in Bend to support land use goals for the corridors. This will build on the corridor land use and facilities assessment and will be structured around the elements of a “Complete Transit System” that will provide the quality of transit service and amenities needed to support the desired land use in the identified corridors. These elements may include service, passenger amenities, land use, access to transit, Transportation Demand Management (TDM), and marketing/branding.

FUTURE OPPORTUNITIES

TRANSIT CORRIDORS

In this task we will identify and evaluate a network of existing and potential transit corridors to be used in the analysis of future housing and employment opportunities, including:

- Corridors with existing transit service
- Extensions of existing transit service corridors
- New corridors within the existing transit service area
- New corridors outside the existing service area

Potential corridors will be identified based on analysis of Existing Conditions data, travel demand model data, public input (surveys and mobile outreach), and input from the project TAC.

CORRIDOR OPPORTUNITIES AND CONSTRAINTS

Building upon the assessment of existing transit corridors conducted in the Existing Conditions analysis, a detailed assessment will be conducted for the identified corridors of existing and future activity centers, opportunities for future housing and employment development, and constraints on development or redevelopment due to insufficient existing and/or planned public facilities (sewer, water, and stormwater). This assessment will identify and prioritize general geographic areas along the corridors that may warrant further study.

CORRIDOR EVALUATION

A framework will be developed for evaluating existing and potential transit corridors. It will utilize the results of the assessment of opportunities and constraints as well as the following characteristics that will affect future transit demand in the Bend area:

- Projected population and employment growth
- Current transit ridership
- Projected travel demand patterns and levels (Travel Demand Model)
- Vacant and redevelopable lands from the City’s Buildable Land Inventory (BLI)
- Other identified development opportunities

The corridors may be prioritized into tiers based on their potential for future transit demand (e.g., projected population and employment density). Some corridors may be prioritized as “definite” future transit corridors, while other corridors may be categorized as “candidate” corridors that may become a transit corridor if land uses become more transit supportive.

FINDINGS

This memo will identify:

- Recommended transit corridors for use in future transit service concepts (Task 4.2)
- Identify and prioritize areas that warrant future study

FUTURE TRANSIT SERVICE CONCEPTS AND PROJECTS

FUTURE TRANSIT SERVICE CONCEPTS

This section of the memo will propose elements of a Complete Transit System for Bend. It will use the Complete Transit System as a framework for identifying both short-term improvements to fixed-route transit service in Bend and long-term investments in capital infrastructure and service.

Complete Transit System

Proposed Complete Transit System elements include:

- **Service Quality.** Building upon the Future Opportunities memo, this element will propose a network of priority and secondary “Community Transit” corridors that will align transit service levels with the desire and capacity to increase land use intensity and sufficient utility infrastructure capacity to support that level of intensity. This element will address:
 - Service design (e.g., hub and spoke, interlining, etc.) and service types (e.g., fixed-route, Community Connector, Bus Rapid Transit, etc.)
 - Service frequency and span (hours)
 - Right-of-way or transit priority coordination, policies, and investments
 - Coordination of local and intercity service
- **Land use characteristics.** This element will address transit supportive land use characteristics and urban form along Community Transit Network corridors, articulating the necessary characteristics to support high-quality transit service.
- **Passenger Amenities:** This element will identify types/levels of amenities and thresholds (e.g., number of boardings) for prioritizing capital investments in transit infrastructure. This element will address:
 - Stops and Shelters
 - Vehicles
- **Access:** This element will identify multimodal access strategies to increase the number of residents within convenient access time/distance of transit, including:
 - Pedestrian Access: Sidewalks, curb ramps, street crossings
 - Bicycle Access: Bicycle facilities, parking, and end-of-trip facilities
 - Park & Ride
- **Transportation Demand Management (TDM).** This element will address:
 - Partnership opportunities between local and regional public transit providers and businesses, institutions, and other organizations that influence or consume public transit service
 - Programs and policies to incentivize use of public transit among Bend residents and employees

- **Marketing/branding.** This element will identify strategies and programs to make transit perceived as a more attractive travel option and help foster a “culture” of transit use in Bend

Service Expansion Criteria

The memo will articulate a process for the expansion or modification of the fixed route transit system. This process will utilize the Community Transit Network concept.

INVESTMENT PROGRAM

This section of the memo will develop a capital and service investment program for the Complete Transit System, identifying improvements, programs, and investments that may be realized in the short-term and developing a flexible, long-term plan for capital and service investments as enabled by land use characteristics and funding levels.

Capital Investments

- Review existing capital investment program and identify possible changes
- Identify short- and long-term capital needs

Conceptual Service Plan

- Identify short- and long-term service and programmatic improvements and investments

Funding

- Summarize funding options for key capital projects and service expansion

SCOPE LANGUAGE

4.1 Consultant shall prepare Draft Future Opportunities Memo using the data, analysis, and input from Task 2, and the Goals from Task 3 to assess the potential for increasing ridership. Draft Memo must consider:

- 1. Future housing and employment opportunities along transit routes. Along these corridors, the assessment will identify general geographic areas that may warrant further study. The assessment will also identify areas that may not be suitable for development or redevelopment due to insufficient public facilities (both existing and planned). The assessment will prioritize areas for further study.*
- 2. An analysis of the growth dynamics that will affect future demand for public transit services in the Bend area. Analysis must include a summary of the key demographic characteristics of future residents in the Bend area.*

4.2 Draft Future Service Concepts and Projects Memo – Consultant shall prepare Draft Future Service Concepts and Projects Memo that includes future transit service concepts that can be pursued in both the short- and long-term. This includes new corridor-level approaches to service (e.g. bus rapid transit), passenger amenities, intercity service coordination, transit vehicle types, stops, shelters, and sidewalks.

The concepts should identify a process for the expansion or modification of the fixed route transit system. This will likely be based upon continued evolution of the existing fixed route public transit system.

The concepts should identify interim or supplemental measures (bus rapid transit, park and ride, etc) which may be implemented and/or explored separately in an effort to maximize options to local residents.

Draft memo must:

- a. Review the current capital improvement program and identify possible changes.*
- b. Identify long-term capital needs.*
- c. Summarize funding options for key capital projects and service expansions.*