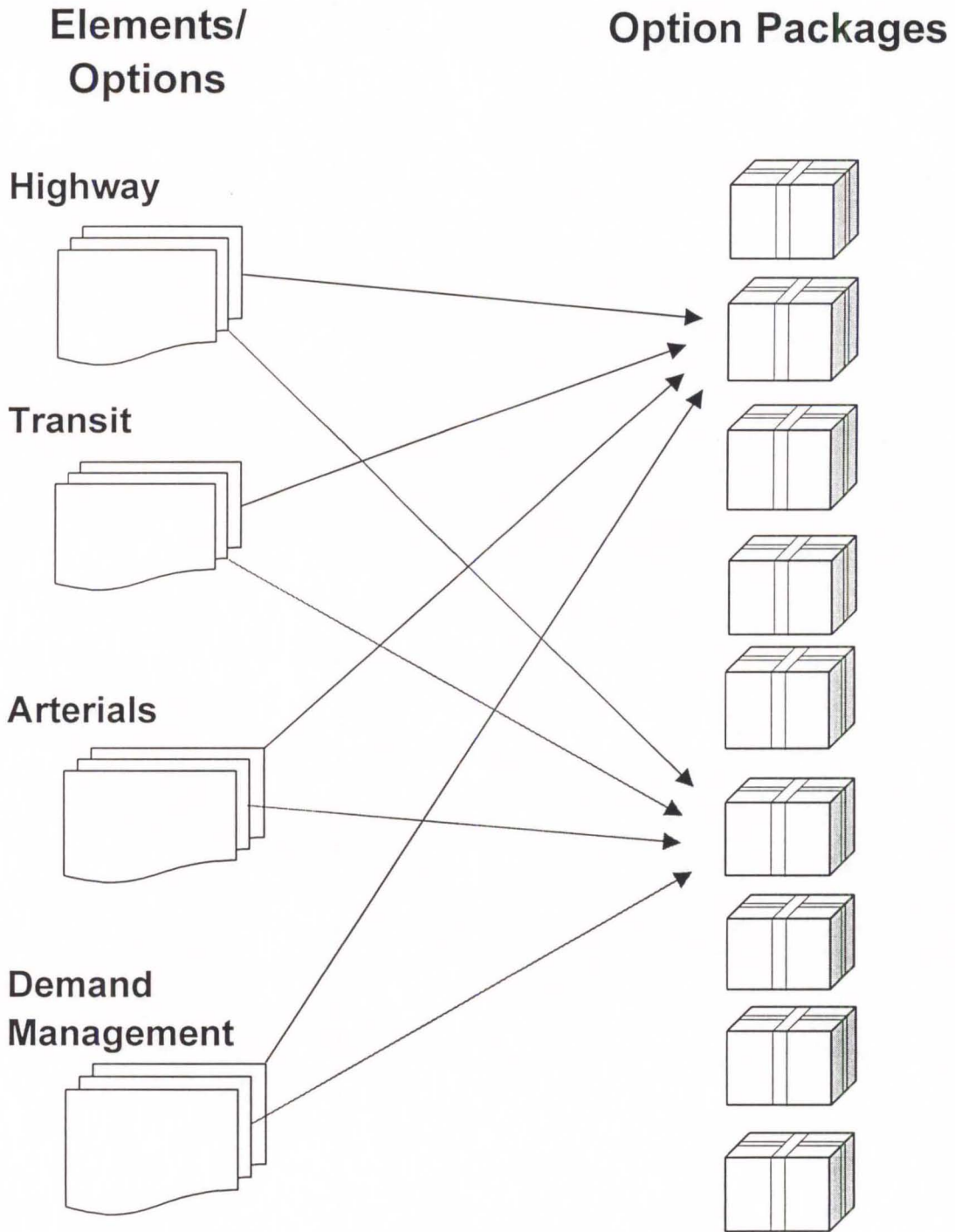


T-5 Screening Workshop
Materials

Packages

I-5 Partnership

Improvement Options Are Combined to Form Corridor Option Packages



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Option Package Numbers

Transit	I-5 Freeway	
	No Major Freeway Capacity Increases	Major Freeway Capacity Increases
Planned Regional Transit Service	1	5
Express Bus	2	6
Light Rail	3	7
Commuter Rail	4	

Option Package No. 8: New arterial road/Columbia crossing

Option Package No. 9: New freeway corridor



Option Package Descriptions

- Option Package No. 1:** Baseline 2020
- Option Package No. 2:** Express bus *without* corridor-wide freeway capacity increase
- Option Package No. 3:** Light rail transit *without* corridor-wide freeway capacity increase
- Option Package No. 4:** Commuter rail *without* corridor-wide freeway capacity increase
- Option Package No. 5:** Planned regional bus system *with* corridor-wide freeway capacity increase
- Option Package No. 6:** Express bus *with* corridor-wide freeway capacity increase
- Option Package No. 7:** Light rail transit *with* corridor-wide freeway capacity increase
- Option Package No. 8:** New arterial road/Columbia River crossing
- Option Package No. 9:** New freeway corridor

**All packages include potential improvements in Special Analysis Areas*



Overview:

This option includes only the existing transportation system plus improvements included in the adopted transportation plans for Clark County and the Portland metropolitan area.

Package Elements:

Transit Improvements:

- Light rail transit (LRT) from Rose Quarter to Expo Center (Oregon), with express bus service from Clark County park and ride lots to the Portland International Raceway LRT station
- Planned growth in transit service based on adopted regional transportation plans. Includes significantly more transit service in the corridor.

I-5 Improvements:

- Provide a third lane in each direction in Vancouver from 134th to Main St. In the morning rush hour, the southbound lane will be for high occupancy vehicles (HOV)
- System management, including ramp metering, reader boards, and other measures to maintain traffic flow
- Potential improvements in the Special Analysis Areas: 1) Rose Quarter and 2) Lombard to SR 500



Arterial Road Improvements:

- All Option Packages have a common set of arterial road improvements based on adopted regional transportation plans.
- Arterial improvements in all packages include:
 - Widen Marine Drive to 5 lanes from Terminal 6 to Portland Road
 - New 4 lane bridge to Hayden Island from Marine Drive
 - Improve Columbia / Killingsworth intersection and connection to I-205
 - North Lombard overcrossing into Rivergate
 - New Interchange at SR500 / St. Johns Boulevard



Demand Management:

- **All Option Packages have a common set of demand management measures based on adopted regional transportation plans.**

- **Demand management measures in all packages include:**
 - **Increase funding for carpool and vanpool programs**
 - **Increase funding for employer outreach encouraging flex hours and telecommuting**
 - **Expand employer sponsored transit passes to reduce transit fares for commuters**
 - **Increase mixed use development to reduce vehicle trips**
 - **Increase parking pricing and parking management**

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**Option Package No. 2:
Express Bus Without
Corridor-Wide Freeway
Capacity Increase**

Overview:

This Option Package includes development of express bus service linking destinations within Clark County, including service to the light rail station at Portland International Raceway (PIR).

Package Elements:

Baseline improvements, plus...

Transit Improvements:

- Express bus in high occupancy vehicle lane from 134th to light rail station at Portland International Raceway (PIR)
- Options for possible extensions of express bus include, express bus from:
 - Parkrose light rail station to 134th Street on I-205
 - I-5 to I-205 on SR 500

I-5 Improvements:

- New Columbia River crossing to support express bus
- Potential improvements in the Special Analysis Areas:
 - 1) Rose Quarter and 2) Lombard to SR 500

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Option Package No. 3: Light Rail Transit Without Corridor-Wide Freeway Capacity Increase

Overview:

This Option Package includes an extension of the light rail transit (LRT) system to Clark County without a corridor-wide I-5 capacity increase.

Package Elements:

Baseline improvements, plus...

Transit Improvements:

- Extend light rail system from Expo Center to Clark College, including a new light rail bridge across the Columbia River
- Options for possible extensions of light rail include, light rail from:
 - Clark College to 134th Street in the I-5 corridor
 - Portland airport to 134th Street in the I-205 corridor
 - I-5 to I-205 at approximately SR 500/4th Plain
- Establish feeder bus service to light rail stations

I-5 Improvements:

- Potential improvements in the Special Analysis Areas:
 - 1) Rose Quarter and 2) Lombard to SR 500

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**Option Package No. 4:
*Commuter Rail Without
Corridor-Wide Freeway
Capacity Increase***

Overview:

This Option Package focuses on development of commuter rail between downtown Portland and Clark County without an increase in corridor-wide freeway capacity.

Package Elements:

Baseline improvements, plus...

Transit Improvements:

- Establish commuter rail service on new rail alignment including tunnel under North Portland, new stations in Portland and Vancouver, and a new rail bridge across the Columbia River and North Portland Harbor
- Establish feeder bus service to rail stations

I-5 Improvements:

- Potential improvements in the Special Analysis Areas:
1) Rose Quarter and 2) Lombard to SR 500

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**Option Package No. 5:
Planned Regional Bus
System with Corridor-Wide
Freeway Capacity Increase**

Overview:

This Option Package involves a major increase in I-5 roadway capacity with no major increase in high capacity transit.

Package Elements:

Baseline improvements, plus...

I-5 Improvements:

- Add a fourth lane in each direction. The fourth lane could be:
 - A reversible express lane, or
 - A high occupancy vehicle (HOV) lane, or
 - A general purpose lane for all freeway traffic
- Build new I-5 Columbia River Bridge
- Potential improvements in the Special Analysis Areas:
1) Rose Quarter and 2) Lombard to SR 500

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Option Package No. 6: *Express Bus with Corridor-Wide Freeway Capacity Increase*

Overview:

This Option Package includes development of express bus service linking destinations within Clark County, including service to the light rail transit (LRT) station at Portland International Raceway (PIR). It also includes the addition of a fourth lane in each direction along I-5 to be used for high occupancy vehicles, express lanes, or mixed-flow use.

Objective:

Baseline improvements, plus...

Transit Improvements:

- Express bus in high occupancy vehicle lane from 134th to light rail station at Portland International Raceway (PIR)
- Options for possible extensions of express bus include, express bus from:
 - Parkrose light rail station to 134th Street on I-205
 - I-5 to I-205 on SR 500



I-5 Improvements:

- **Add a fourth lane in each direction. The fourth lane could be:**
 - A reversible express lane, or
 - A high occupancy vehicle (HOV) lane, or
 - A general purpose lane for all freeway traffic
- **Build new I-5 Columbia River Bridge**
- **Potential improvements in the Special Analysis Areas:**
 - 1) Rose Quarter and 2) Lombard to SR 500

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**Option Package No. 7:
Light Rail Transit with
Corridor-Wide Freeway
Capacity Increase**

Overview:

This Option Package includes a major expansion of the light rail transit (LRT) system to Clark County with a major corridor-wide I-5 capacity increase.

Package Elements:

Baseline improvements, plus...

Transit Improvements:

- Extend light rail system from the Expo Center to Clark College
- Package also has optional extensions of light rail from:
 - Clark College to 134th Street in the I-5 corridor
 - Portland airport to 134th Street in the I-205 corridor
 - I-5 to I-205 at approximately SR 500/4th Plain
- Establish feeder bus service to light rail stations



I-5 Improvements:

- **Add a fourth lane in each direction. The fourth lane could be:**
 - A reversible express lane, or
 - A high occupancy vehicle (HOV) lane, or
 - A General purpose lane for all freeway traffic
- **Build new I-5 Columbia River Bridge**
- **Potential improvements in the Special Analysis Areas:**
 - 1) Rose Quarter and 2) Lombard to SR 500

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Option Package No. 8: *New Arterial Road/ Columbia River Crossing*

Overview:

This Option Package involves a new arterial road between Marine Drive and Mill Plain Blvd., with options to extend the new arterial corridor south to US 30 and north to I-5 at 179th.

Package Elements:

Baseline improvements, plus...

I-5 Improvements:

- Potential improvements in the Special Analysis Areas:
1) Rose Quarter and 2) Lombard to SR 500

Arterial System Improvements:

- Provide “port-to-port” bridge linking Marine Drive to Mill Plain in Vancouver near existing rail corridor across Hayden Island
- Option for south extension: Construct new arterial road connecting US 30 to new arterial bridge via North Portland Road
- Option for north extension: link SR 501 to I-5 at 179th interchange

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Option Package No. 9: *New Freeway Corridor*

Overview:

This Option Package involves construction of a new westside freeway corridor. A specific alignment has not been established.

Package Elements:

Baseline improvements, plus...

New Freeway Corridor:

- New freeway and bridge west of the existing I-5 bridge connecting Clark County, Washington and Washington County, Oregon

I-5 Corridor:

- Potential improvements in the Special Analysis Areas:
1) Rose Quarter and 2) Lombard to SR 500