

PRELIMINARY
ALTERNATIVE PACKAGES
C O L U M B I A R I V E R C R O S S I N G

Task Force Meeting
July 12, 2006



ALTERNATIVE PACKAGE 1

 C O L U M B I A R I V E R C R O S S I N G 

No Action

River Crossing

No new river crossing or improvements to the existing bridges
I-5 traffic remains on existing bridges

Transit

No changes to existing local and express bus transit,
other than growth and/or reduction in service
consistent with long term plans by C-TRAN and TriMet

~

Express bus

~

Local bus

Transportation System/Transportation Demand Management

Basic level

Highways

Currently planned and programmed projects throughout the region move forward, consistent with Metro's Regional Transportation Plan and RTC's Metropolitan Transportation Plan. Planned improvements to I-5 between Delta Park and Lombard Avenue in Oregon will occur.

Freight

No freight-specific improvements








Bicycle/Pedestrian

No specific improvements





LEGEND

-  Arterial Lanes
-  Managed Lanes/Freight Lane
-  New Potential Transit Alignments
-  Safety and Capacity Improvements
-  New Potential Park and Ride
-  Existing/Potential Transit Station
-  Reconfigured Interchange

Transportation System Management/Transportation Demand Management Focus

River Crossing

No new river crossing or improvements to the existing bridges

~

I-5 traffic remains on existing bridges

Transit

Existing express bus and local bus service would be increased from current levels.

Transit service would continue to use general purpose travel lanes.

~

Express bus

~

Local bus

Transportation System/Transportation Demand Management

Aggressive level

Highways

Targeted safety improvements in high accident areas

~

Currently planned and programmed projects throughout the region move forward, consistent with Metro's Regional Transportation Plan and RTC's Metropolitan Transportation Plan. Planned improvements to I-5 between Delta Park and Lombard Avenue in Oregon will occur.

~

Managed lanes on I-5 for HOV and transit between 134th and SR 500

Freight

No freight-specific improvements

Bicycle/Pedestrian

Improvements on the existing bridges with enhanced connections to North Portland, Hayden Island and downtown Vancouver





LEGEND

- Arterial Lanes
- Managed Lanes/Freight Lane
- New Potential Transit Alignments
- Safety and Capacity Improvements
- New Potential Park and Ride
- Existing/Potential Transit Station
- Reconfigured Interchange

Transit Emphasis **Supplemental Bridge for Arterial Traffic with Light Rail**

River Crossing

New arterial bridge to the west that also carries light rail

~

Existing bridges carry I-5 traffic

Transit

Extend MAX Yellow Line light rail to north of downtown Vancouver

~

Express Bus

~

Local bus

Transportation System/Transportation Demand Management

Aggressive level

Highways

Targeted safety improvements in high accident areas

~

Arterial connections between Marine Drive, Hayden Island
and downtown Vancouver

~

Remove Hayden Island interchange;
no direct access to Hayden Island from I-5

Freight

Freight bypass on-ramp lanes at key interchanges to be determined










Bicycle and Pedestrian Improvements

Improvements on the existing bridges with enhanced connections
to North Portland, Hayden Island and downtown Vancouver





LEGEND

-  Existing Bridge
-  Supplemental Bridge
-  Arterial Lanes
-  Managed Lanes/Freight Lane
-  New Potential Light Rail Alignments
-  Safety and Capacity Improvements
-  New Potential Park and Ride
-  Existing/Potential Light Rail Station
-  Reconfigured Interchange

ALTERNATIVE PACKAGE 4

~ C O L U M B I A R I V E R C R O S S I N G ~

Balanced Transit/Highway Emphasis Supplemental Bridge for I-5; Light Rail on Existing Bridge

River Crossing

New I-5 bridge west of existing bridge

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Existing bridges carry light rail and arterial traffic

Transit

Extend MAX Yellow Line light rail to north of downtown Vancouver

~

Local bus

Transportation System/ Transportation Demand Management

Aggressive level

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, SR-14,

Mill Plain, 4th Plain, SR 500 and 39th

~

Arterial connections between Marine Drive,

Hayden Island and downtown Vancouver

~

Remove Hayden Island interchange;
no direct access to Hayden Island from I-5

~

Managed lanes on I-5 for HOV and/or freight use between 134th and Delta Park

Freight

Potential managed lanes for freight

~

Freight bypass on-ramp lanes at key interchanges to be determined

Bicycle and Pedestrian Improvements

Improvements on the existing bridges with enhanced connections
to North Portland, Hayden Island and downtown Vancouver



| **DISCLAIMER** | These maps and descriptions are for discussion purposes only and are subject to change.



LEGEND

-  Existing Bridge
-  Supplemental Bridge
-  Arterial Lanes
-  Managed Lanes/Freight Lane
-  New Potential Light Rail Transit Alignments
-  Safety and Capacity Improvements
-  New Potential Park and Ride
-  Existing/Potential Light Rail Station
-  Reconfigured Interchange

ALTERNATIVE PACKAGE 5

~ C O L U M B I A R I V E R C R O S S I N G ~

Balanced Transit/Highway Emphasis Supplemental Bridge for I-5; Bus Rapid Transit on Existing Bridge River Crossing

New I-5 bridge west of existing bridge

~

Existing bridges carry Bus Rapid Transit and arterial traffic

Transit

Bus Rapid Transit in dedicated lanes from north of
downtown Vancouver to Delta Park

~

Express bus in managed lanes across new bridge

~

Local bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, SR-14,
Mill Plain, 4th Plain, SR 500 and 39th

~

Arterial connections between Marine Drive,
Hayden Island and downtown Vancouver

~

Remove Hayden Island interchange;
no direct access to Hayden Island from I-5

~

Managed lanes on I-5 for HOV and/or freight use between 134th and Delta Park

Freight

Potential managed lanes for freight

~

Freight bypass on-ramp lanes at key interchanges to be determined

Bicycle and Pedestrian Improvements

Improvements on the existing bridges with enhanced connections
to North Portland, Hayden Island and downtown Vancouver





LEGEND

- Existing Bridge
- Supplemental Bridge
- Arterial Lanes
- Managed Lanes/Freight Lane
- New Potential Bus Rapid Transit Alignments
- Safety and Capacity Improvements
- New Potential Park and Ride
- Existing/Potential Bus Rapid Transit Station
- Reconfigured Interchange

ALTERNATIVE PACKAGE 6

~ C O L U M B I A R I V E R C R O S S I N G ~

Balanced Transit/Highway Emphasis **Supplemental Bridge for I-5; Bus Rapid Transit Lite on Existing Bridge** **River Crossing**

New I-5 bridge (west)

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Existing bridges carry Bus Rapid Transit Lite and arterial traffic

Transit

Bus Rapid Transit Lite service from Clark County park and ride lots to downtown Portland in general purpose and managed lanes

~

Local bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, SR-14,
Mill Plain, 4th Plain, SR 500 and 39th

~

Arterial connections between Marine Drive,
Hayden Island and downtown Vancouver

~

Remove Hayden Island interchange;
no direct access to Hayden Island from I-5

~

Managed lanes on I-5 for HOV and/or freight use between 134th and Delta Park

Freight

Potential managed lanes for freight

~

Freight bypass on-ramp lanes at key interchanges to be determined

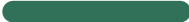








Bicycle and Pedestrian Improvements

Improvements on the existing bridges with enhanced connections to North Portland, Hayden Island and downtown Vancouver





LEGEND

- | | | | |
|---|---|--|---|
|  | Existing Bridge |  | New Potential Park and Ride |
|  | Supplemental Bridge |  | Existing/Potential Bus Rapid Transit Lite Station |
|  | Arterial Lanes |  | Reconfigured Interchange |
|  | Managed Lanes/Freight Lane | | |
|  | New Potential Bus Rapid Transit Lite Alignments | | |
|  | Safety and Capacity Improvements | | |

Vehicle Capacity Emphasis Supplemental Bridge for I-5 and Express Bus

River Crossing

New I-5 bridge west

~

Existing bridges carry arterial traffic

Transit

Express bus service from new and expanded Clark County
park and ride lots to downtown Portland

~

Local bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, SR-14,
Mill Plain, 4th Plain, SR 500 and 39th

~

Arterial connections between Marine Drive,
Hayden Island and downtown Vancouver

~

Remove Hayden Island interchange;
no direct access to Hayden Island from I-5

~

Managed lanes on I-5 for HOV and/or freight use between 134th and Delta Park

Freight

No freight-specific improvements

Bicycle and Pedestrian Improvements

Improvements on the existing bridges with enhanced connections
to North Portland, Hayden Island and downtown Vancouver





LEGEND

- Existing Bridge
- Supplemental Bridge
- Arterial Lanes
- Managed Lanes/Freight Lane
- New Potential Transit Alignments
- Safety and Capacity Improvements
- New Potential Park and Ride
- Existing/Potential Transit Station
- Reconfigured Interchange

ALTERNATIVE PACKAGE 8

~ C O L U M B I A R I V E R C R O S S I N G ~

Balanced Transit/Highway Emphasis Replacement Bridge for I-5 with Light Rail and Express Bus

River Crossing

New bridge (west) with light rail, general purpose lanes and managed lanes

Transit

Extend MAX Yellow Line light rail to north of downtown Vancouver

~

Express bus in managed lanes across new bridge

~

Local bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, Hayden Island,
SR-14, Mill Plain, 4th Plain, SR 500 and 39th

~

Managed lanes on I-5 for transit and HOV use between 134th and Delta Park

Freight

No freight-specific improvements

Bicycle and Pedestrian Improvements

Facilities on the new bridge with enhanced connections
to North Portland, Hayden Island and downtown Vancouver





LEGEND

- Existing Bridge (removed)
 - Replacement Bridge
 - Arterial Lanes
 - Managed Lanes/Freight Lane
 - New Potential Transit Alignments
 - Safety and Capacity Improvements

- New Potential Park and Ride
 - Existing/Potential Light Rail Station
 - Reconfigured Interchange

Balanced Transit/Highway Emphasis Replacement Bridge for I-5 with Light Rail

River Crossing

New bridge (west) with light rail, general purpose lanes and managed lanes

Transit

Extend MAX Yellow Line light rail to north of downtown Vancouver

~

Local Bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, Hayden Island,
SR-14, Mill Plain, 4th Plain, SR 500 and 39th

~

Managed lanes for HOV and/or freight use between 134th and Delta Park

Freight

Freight bypass on-ramp lanes at key interchanges to be determined

~

Potential managed lanes for freight










Bicycle and Pedestrian Improvements

Facilities on the new bridge with enhanced connections
to North Portland, Hayden Island and downtown Vancouver





LEGEND

- | | | | |
|---|---|--|---------------------------------------|
|  | Existing Bridge (removed) |  | New Potential Park and Ride |
|  | Replacement Bridge |  | Existing/Potential Light Rail Station |
|  | Arterial Lanes |  | Reconfigured Interchange |
|  | Managed Lanes/Freight Lane | | |
|  | New Potential Light Rail Transit Alignments | | |
|  | Safety and Capacity Improvements | | |

Balanced Transit/Highway Emphasis Replacement Bridge for I-5 with Bus Rapid Transit

River Crossing

New bridge (east) with general purpose lanes and managed lanes.

~

Bus Rapid Transit in separated right of way

Transit

Bus Rapid Transit service in dedicated right of way from
north of downtown Vancouver to Delta Park

~

Local bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, Hayden Island,
SR-14, Mill Plain, 4th Plain, SR 500 and 39th

~

Managed lanes on I-5 for transit and HOV use between 134th and Delta Park

Freight

Potential managed lanes for freight

~

Freight bypass on-ramp lanes at key interchanges to be determined

~

Direct access ramps for freight at key locations to be determined

Bicycle and Pedestrian Improvements

Facilities on the new bridge with enhanced connections
to North Portland, Hayden Island and downtown Vancouver





LEGEND

- | | | | |
|--|--|--|--|
| | Existing Bridge (removed) | | New Potential Park and Ride |
| | Replacement Bridge | | Existing/Potential Bus Rapid Transit Station |
| | Arterial Lanes | | Reconfigured Interchange |
| | Managed Lanes/Freight Lane | | |
| | New Potential Bus Rapid Transit Alignments | | |
| | Safety and Capacity Improvements | | |

Balanced Transit/Highway Emphasis Replacement Bridge for I-5 with Bus Rapid Transit Lite

River Crossing

New bridge (west) with Bus Rapid Transit Lite in separated right of way

Transit

Bus Rapid Transit Lite service from Clark County park and ride lots to downtown Portland in general purpose and managed lanes

~

Local bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, Hayden Island, SR-14, Mill Plain, 4th Plain, SR 500 and 39th

~

Managed lanes on I-5 for transit and HOV use between 134th and Delta Park

Freight

No freight-specific improvements










Bicycle and Pedestrian Improvements

Facilities on the new bridge with enhanced connections to North Portland, Hayden Island and downtown Vancouver





LEGEND

- | | | | |
|---|---|--|---|
|  | Existing Bridge (removed) |  | New Potential Park and Ride |
|  | Replacement Bridge |  | Existing/Potential Bus Rapid Transit Lite Station |
|  | Arterial Lanes |  | Reconfigured Interchange |
|  | Managed Lanes/Freight Lane | | |
|  | New Potential Bus Rapid Lite Alignments | | |
|  | Safety and Capacity Improvements | | |

Vehicle Capacity Emphasis Replacement Bridge for I-5 with Express Bus

River Crossing

New bridge (east) with general purpose lanes

Transit

Express bus service from Clark County
park and ride lots to downtown Portland

~

Local bus

Transportation System/Transportation Demand Management

Aggressive

Highways

Safety improvements throughout the corridor

~

Interchange reconfigurations at Marine Drive, Hayden Island,
SR-14, Mill Plain, 4th Plain, SR 500 and 39th

~

Managed lanes on I-5 for transit and HOV use between 134th and Delta Park

Freight

No freight-specific improvements









Bicycle and Pedestrian Improvements

Facilities on the new bridge with enhanced connections
to North Portland, Hayden Island and downtown Vancouver





LEGEND

-  Existing Bridge (removed)
-  Replacement Bridge
-  Arterial Lanes
-  Managed Lanes/Freight Lane
-  Safety and Capacity Improvements
-  New Potential Park and Ride
-  Existing/Potential Transit Station
-  Reconfigured Interchange

