

Note: The 12 staff-recommended alternative packages represented in this matrix sufficiently represent, and support technical work to test, the range of component combinations. As needed, results can be used to assess other possible component combinations not expressly represented in the list of 12. Best performing elements of each alternative package will be available for repackaging and/or refining within the range of alternatives advanced into the Draft EIS.



Table 3-1. Draft Alternative Packaging Matrix

Revision date: July 11, 2006

		Alternative Packages											
		Existing Bridges Only		Supplemental Bridge with Existing Bridges					Replacement Bridge				
		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Alternative Package Title		No Action	Trans. System Management/Trans. Demand Management	Supplemental Bridge for Arterial Traffic with Light Rail	Supplemental Bridge for I-5; Light Rail on Existing Bridge	Supplemental Bridge for I-5; Bus Rapid Transit on Existing Bridge	Supplemental Bridge for I-5; Bus Rapid Transit Lite on Existing Bridge	Supplemental Bridge for I-5 and Express Bus	Replacement Bridge for I-5 with Light Rail and Express Bus	Replacement Bridge for I-5 with Light Rail	Replacement Bridge for I-5 with Bus Rapid Transit	Replacement Bridge for I-5 with Bus Rapid Transit Lite	Replacement Bridge for I-5 with Express Bus
Alternative Package Themes		No Action	Minimum Investment: TDM/ TSM Emphasis	Maximum Transit Ridership, Minimum I-5 improvements	Balanced Transit/Highway Improvements with LRT	Balanced Transit/Highway Improvements with BRT-Full	Balanced Transit/Highway Improvements with BRT-Lite	Maximum Vehicle Capacity	Balanced Transit/Highway Improvements with LRT	Balanced Transit/Highway Improvements with LRT	Balanced Transit/Highway Improvements with BRT-Full	Balanced Transit/Highway Improvements with BRT-Lite	Maximum Vehicle Capacity
High Capacity Transit Mode across Col. River		None	None	LRT	LRT	BRT-full	BRT-Lite	None	LRT	LRT	BRT-full	BRT-Lite	None
Other Transit Mode(s) across bridge		Express bus, local bus	Express bus, local bus	Express bus, local bus	Local bus	Local bus	Local bus	Express bus, local bus	Express bus, local bus	Local bus	Local bus	Local bus	Express Bus, local bus
Function of Existing Bridges		I-5 (GP lanes)	I-5 (GP lanes)	I-5 (GP lanes)	Arterial+LRT	Arterial+BRT	Arterial + BRT	Arterial	N/A	N/A	N/A	N/A	N/A
Function of New Bridge		N/A	N/A	Arterial + LRT	I-5 NB &SB (w/ ML)	I-5 NB &SB (w/ ML)	I-5 NB &SB (w/ ML)	I-5 NB & SB (w/ ML)	I-5 NB &SB (w/ ML) & LRT	I-5 NB &SB (w/ ML) & LRT	I-5 NB &SB (w/ ML) & BRT	I-5 NB &SB (w/ ML) & BRT	I-5 w GP lanes
River Crossing Components	RC-3	Repl/Down/Mid							✓	✓		✓	
	RC-4	Repl/Up/Mid									✓		✓
	RC-9	Supl/Down/Mid											
	RC-23	Arterial (New Bridge)			✓	✓	✓	✓					
Roadways North/South	RNS-1	Interchange Improvements				✓	✓	✓	✓	✓	✓	✓	✓
	RNS-2	Arterial improvements			✓	✓	✓	✓	✓	✓	✓	✓	✓
	RNS-3	I-5 Safety Improvements	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Transit Components	TR-1	Express Bus in GP ²	✓	✓	✓								✓
	TR-2	Express Bus in Managed Lanes						✓	✓				✓
	TR-3	BRT-Lite					✓					✓	
	TR-4	BRT-Full					✓				✓		
	TR-5	LRT			✓	✓			✓	✓			
Bicycle/ Pedestrian Components	B/P-1	Enhance Existing		✓		✓	✓	✓	✓	✓	✓	✓	✓
	B/P-2	Path on New Bridge			✓				✓	✓	✓	✓	✓
	B/P-4	Vanc. Connectivity		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	B/P-5	Hayden Is. Conn.		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	B/P-6	N. Portland Pathway		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	F-1	Freight in Managed Lanes				✓	✓	✓		✓	✓	✓	
Freight Components	F-2	Fr. Bypass Lanes			✓	✓	✓			✓	✓	✓	
	F-5	Fr. DA Ramps									✓		
TSM/TDM Components	T-B	Basic	✓										
	T-A	Aggressive		✓ ¹	✓ ¹	✓	✓	✓	✓	✓	✓	✓	✓

Changes from June 2006 Task force meeting ersion

1. Assumes no managed lane beyond the existing northbound I-5 HOV lane in Portland.
2. Includes use of existing northbound HOV lane in Portland.