



LEGEND

★ MDT Recommendation Ranking:
three stars = highest

Option meets connectivity objectives

Option does not meet connectivity objectives

Level of Emphasis

- Strong emphasis
- Moderate emphasis
- Low emphasis
- Little or no emphasis



North-South Linkage Zones

HCZ = Hydrologic Connectivity Zone

ASSUMPTIONS BEHIND HYDROLOGY RATINGS:

Stream channel process: ■ is for CEAs with unconfined floodplains and dynamic migrating streams. ■ for CEAs where focus is on fish and debris passage. ■ where only minor streams occur. Blank means no streams.

Wetland flow paths: ■ indicates high value wetland resources and/or subsurface flow paths at the CEA.

■ or ■ indicates some wetlands, relatively low value or less extensive. Blank indicates wetland and subsurface flow are relatively minor.

* At the Resort Creek CEA, different highway alternatives are linked to different design options (three separate options).

** Resort Creek Alignments 3 and 4: multiple culverts with combined width of 100 feet. At least one culvert to provide 12-foot clearance.

OBJECTIVE	Western Hemlock/Pacific Silver Fir										Western Hemlock/Grand Fir					
	Coal Creek	Gold Creek	Rocky Run Ck	Wolfe Creek	Resort Creek*	Townsend Creek	Price/Noble Creeks	Bonmie Creek	Swamp Creek	Toll Creek	Cedar Creek	Telephone Creek	Hudson Creek	Eason Hill	Kachess River	
High-Mobility Species	●	●●●	●	●	●	●	●●●	●●●	●●●	●●●	●●	●●	●●●	●●●	●●●	
Low-Mobility Species	●●	●●	●●	●	●	●●	●●●	●●●	●●●	●●●	●●	●●	●●●	●●	●●	
Stream Channel and Floodplain Processes	●●	●●●	●●	●●	●●	●●	●●●	●●●	●●●	●●	●●	●●	●●	●●	●●	
Wetland and Subsurface Flow	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	
EXISTING STRUCTURES	Box culverts	140' bridge	40' bridge 2-6' culverts	6' culvert	6' culvert	6' culvert	10' culvert 4' culvert	6' culvert	2-8' culverts	4' culvert 3' culvert	4' culvert	5' x 4' culvert	2' culvert	No Structure	99' bridge EB 150' bridge WB	
Option A		120' bridge 1,100' EB/ 900' WB bridge	120' bridge 25' x 8' culvert WB 20' x 10' culvert EB	Alternative 1 Twin bore tunnels 120' bridge 1 HCZ	Alternative 2 Same as Alternative 1	Alternative 3 Single bore tunnel WB 120' bridge WB Multiple culverts EB** 1 HCZ	Alternative 4 Multiple culverts**		240' bridge 600' bridge 1 HCZ	240' bridge 120' bridge 4 HCZs	120' bridge 6'x5' culvert	≥4' culvert 1 HCZ	≥4' culvert 1 HCZ	240' bridges 2 HCZs	120' bridge Replace existing county bridges	120' bridge Replace existing county bridges
Option B		1,200' EB/ 1,000' WB bridge 100' wildlife bench							120' bridge 800' bridge 2 HCZs	120' bridge 2 HCZs	16' x 10' culvert 2 HCZs	3-120' bridges 2 HCZs	120' bridge 6 HCZs	Same as Option A	Wildlife Overcrossing EB and WB 1 HCZ	Wildlife Overcrossing EB and WB 1 HCZ
Option C		120' bridge 300' bridge							3-120' bridges 2 HCZs	3-120' bridges 2 HCZs	3-120' bridges 2 HCZs	3-120' bridges 2 HCZs	≥4' culvert 3 HCZs	120' bridge 3 HCZs	120' bridge 3 HCZs	Widen existing county bridges
Option D		120' bridge 700' bridge							Wildlife Overcrossing 3-120' bridges 2 HCZs	Wildlife Overcrossing 3-120' bridges 2 HCZs	Wildlife Overcrossing 3-120' bridges 2 HCZs	Wildlife Overcrossing 3-120' bridges 2 HCZs	Wildlife Overcrossing EB and WB Widen existing county bridges	Wildlife Overcrossing EB and WB Widen existing county bridges	Wildlife Overcrossing EB and WB Widen existing county bridges	Wildlife Overcrossing EB and WB Widen existing county bridges

**Summary of CEA Options
Exhibit ES-4**