

## SOUTHWEST CHIEF AND FRONT RANGE PASSENGER RAIL COMMISSION

### Summary of Key Steps Towards Implementing Front Range Passenger Rail

December 1, 2017

Project Phase	Conceptual Cost	Budget Item Summary	Major Tasks	Outcomes	Timeframe
Phase I: Define the Service Vision	\$7.5 million	Conduct Front Range public & stakeholder engagement, prepare service development plan	<ul style="list-style-type: none"> <li>Conduct public and stakeholder engagement throughout the Front Range (Fort Collins to Pueblo)</li> </ul>	<ul style="list-style-type: none"> <li>Define mobility needs, who will be served</li> <li>Define/confirm vision for front range passenger rail</li> </ul>	Years 1-2.5
			<ul style="list-style-type: none"> <li>Prepare service development plan that defines alignment/route, station locations, service levels, technology, and estimates capital and operating costs</li> </ul>	<ul style="list-style-type: none"> <li>Define preferred alignment/route</li> <li>Define service/operating characteristics (all day, commute only, etc.)</li> <li>Define technology, speed, station locations/spacing</li> <li>Define high-level capital &amp; operating costs</li> <li>Pursue corridor &amp; ROW preservation</li> </ul>	
Phase II: Formation of Governing Authority	\$1.2 million	Hire executive director or project manager and support staff	<ul style="list-style-type: none"> <li>Staff support for SWC&amp;FRPR Commission activities</li> </ul>	<ul style="list-style-type: none"> <li>Professional staff person to support ongoing Commission activities, manage planning/public/project development processes, and manage consulting team</li> </ul>	Years 2.5-4
			<ul style="list-style-type: none"> <li>Manage project development process, including consultant team</li> </ul>		
			<ul style="list-style-type: none"> <li>Manage public and stakeholder engagement process</li> </ul>		
Phase III: Federal Project Development Process	\$150-\$300 million	Prepare a funding and financing plan, determine governance and operator, form district	<ul style="list-style-type: none"> <li>Prepare a funding/financing plan for ROW acquisition, capital construction, fleet, and support facilities</li> </ul>		Years 4-6
			<ul style="list-style-type: none"> <li>Determine governance structure and service operator</li> </ul>		
			<ul style="list-style-type: none"> <li>Conduct legal formation and passage of funding/governance district</li> </ul>		
Phase IV: Final Design & Construction	TBD	Final design and construction of Front Range Passenger Rail System	<ul style="list-style-type: none"> <li>Complete full federal environmental clearance process for ~260 mile corridor (Environmental Impact Statement and other steps to meet National Environmental Policy Act and other federal requirements)</li> </ul>		Years 7-15
			<ul style="list-style-type: none"> <li>Prepare 30% design plans for the full corridor</li> </ul>		
			<ul style="list-style-type: none"> <li>Current estimated costs for single track, conventional speed (&lt;80 mph top speed), diesel trains, all-day service = \$27 million per mile</li> </ul>		
			<ul style="list-style-type: none"> <li>Current estimated costs for mostly double track, high speed (up to 180 mph), electric trains, all-day service = \$80 million per mile</li> </ul>		
			<ul style="list-style-type: none"> <li>Full corridor length is 260 miles</li> </ul>		
			<ul style="list-style-type: none"> <li>Costs are only construction costs - do not include ongoing operating &amp; maintenance costs (\$100-\$500 million per year)</li> </ul>		
			<ul style="list-style-type: none"> <li>Cost estimates are in current year dollars - cost inflation is approximately 4%-6% per year</li> </ul>		

### Phase V: Ribbon Cutting