

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

Phase V: Ribbon Cutting