

**SOUTHERN OREGON COMMUTER RAIL STUDY ESTIMATED CAPITAL COSTS
ASHLAND TO CENTRAL POINT (LEVEL 1)**

The project is broken down into two parts:							
1. All of the 90 lb rail would be replaced with 136 lb welded relay rail and four passing sidings constructed.							
2. A new 1.5 mile long passenger main line would be constructed to the east of yard trackage in Medford.							
Item	Distance	Estimated Usage	Quantity	Unit Cost	Measurement	Total Cost	Notes
Track Upgrade							
Welded 136 lb relay rail	8.25 miles	240 tons p/m	1,980	\$ 118,800.00	per mile	\$ 980,100	To trackside
Tie plates	8.25 miles	6,400 p/m	52,800	\$ 2.50	each	\$ 132,000	
Spikes for relay rail	8.25 miles	25,600 p/m	211,200	\$ 90.00	kegs (244 p/k)	\$ 77,902	
Labor for relay rail	8.25			\$ 75,000.00	per mile	\$ 618,750	
Ties	15 miles	1,700 ties p/m	25,500	\$ 55.00	each	\$ 1,402,500	Includes installation.
Spikes	15 miles	4 per tie	102,000	\$ 90.00	kegs (244 p/k)	\$ 37,623	
Ballast & Surfacing	15 miles		79,200	\$ 7.50	per foot	\$ 594,000	
Remove Turnouts			8	\$ 20,000.00	each	\$ 160,000	
Install new turnouts			22	\$ 135,000.00	each	\$ 2,970,000	
					Upgrade of existing track	\$ 6,972,875	
Construct four passing sidings							
#14 turnouts			8	\$ 140,000.00	each	\$ 1,120,000	
Track			4,000	\$ 175.00	feet	\$ 700,000	
Earthwork			4,000	\$ 150.00	feet	\$ 600,000	
New signals			4,000	\$ 70.00	feet	\$ 280,000	Includes installation
Labor for rail	1.6 miles			\$ 15,000.00	mile	\$ 24,000	
Equipment	1.6 miles			\$ 3,000.00	mile	\$ 4,800	
					Subtotal for new passing sidings	\$ 2,728,800	
CTC	15 miles			\$ 563,076.00	mile	\$ 8,446,140	
Grade Crossings							
New crossing surfaces						\$ 185,000	
Signalization						\$ 1,380,000	
					Subtotal for existing track upgrade and passing sidings	\$ 19,712,815	
Construct new passenger main line around Medford Yard							
New track construction	1.5 miles	5,280 feet p/m	7,920	\$ 175.00	per foot	\$ 1,386,000	
#20 turnouts		2 each	2	\$ 220,000.00	each	\$ 440,000	
#14 turnouts		2 each	2	\$ 140,000.00	each	\$ 280,000	
CTC	1.5 miles		-	\$ 1,086,666.00	per mile	\$ 1,629,999	
Earthwork	1.5 miles	5,280 feet p/m	7,920	\$ 150.00	per foot	\$ 1,188,000	
					Subtotal for new passenger mainline	\$ 4,923,999	
					Subtotal	\$ 24,636,814	
Stations			6	\$ 750,000.00		\$ 4,500,000	

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Maintenance Facility					1	\$ 3,000,000.00		\$ 3,000,000	
								\$ 29,136,814	
Engineering			10%					2,913,681	
							Subtotal	32,050,495	
Contingencies			20%					\$ 6,410,099	
							Total	\$ 38,460,594	