Alaska Railroad Corporation

FEMA MP58.6 to MP59.4 SUMMARY ESTIMATE

Combine all scope elements into a summary estimate

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Construction Date: 2010

Description	Qty	Unit	Unit Price	Total	Notes / Comments
Construction					
Grade Construction				$ 195,200	
MP58.6 - MP58.7 Rip Rap 600 LF					Assume the Placer River location needs rip rap
Work Train, Rip Rap					
Labor	4	DY	$ 2,846	$ 11,384	Assume Curry MP248 to MP58 = 190 miles one way
Per Diem	4	DY	$ 568	$ 2,272	
ARRC Equipment	4	DY	$ 6,862	$ 27,448	Assume a Work Train with Jordan Spreader, one 320 hytracker, one D6, two hyrails
Rip rap, Curry	1,200	TN	$ 27.66	$ 33,191	Assume Curry rip rap at the inventory price, escalated by 5% to 2010
MP58.9 - MP59.14 Widen 600 TF					
Work Train, Rip Rap					
Labor	3	DY	$ 2,846	$ 8,538	Assume Curry MP248 to MP58 = 190 miles one way
Per Diem	3	DY	$ 568	$ 1,704	Assume East side only is armoured
ARRC Equipment	3	DY	$ 6,862	$ 20,586	Assume a Work Train with Jordan Spreader, one 320 hytracker, one D6, two hyrails
Rip rap, Curry	1,203	TN	$ 27.66	$ 33,261	Assume Curry rip rap at the inventory price, escalated by 5% to 2010
Work Train, Ballast					
Labor	2	DY	$ 3,193	$ 6,386	Assume Curry MP248 to MP58 = 190 miles one way
Per Diem	2	DY	$ 653	$ 1,306	Assume a 2.0 FT track raise over 1,200 TF using Curry ballast
ARRC Equipment	2	DY	$ 3,181	$ 6,362	
Surfacing Gang					
Labor	2	DY	$ 1,150	$ 2,301	
Per Diem	2	DY	$ 255	$ 510	
ARRC Equipment	2	DY	$ 1,646	$ 3,292	
Ballast, Curry	1,300	TN	$ 28.19	$ 36,651	Assume Curry ballast at the inventory price, escalated by 5% to 2010
Track Construction				$ -	
Bridge Construction				$ 723,800	
MP59.4 - MP59.4 Bridge					
Bridge, CBD	56	LF	$ 12,500	$ 700,000	Assume two spans at 28 ft. ea, steel pile trestle, steel end bents, sheetpile bulkhead
Work Train, Ballast					
Labor	2	DY	$ 3,193	$ 6,386	Assume Curry MP248 to MP58 = 190 miles one way
Per Diem	2	DY	$ 653	$ 1,306	
ARRC Equipment	2	DY	$ 3,181	$ 6,362	

Surfacing Gang					
Labor	2	DY	$ 1,150	$ 2,301	
Per Diem	2	DY	$ 255	$ 510	
ARRC Equipment	2	DY	$ 1,646	$ 3,292	
Ballast, Curry	130	TN	$ 28.19	$ 3,665	Assume Curry ballast at the inventory price, escalated by 5% to 2010
				$ -	
Crossing Construction				$ -	
Facilities Construction				$ -	
Utility Construction				$ -	
Signal Construction				$ -	
Miscellaneous Construction				$ 45,900	
MP59.1 - MP59.6 Ditch Clean-Out					
Work Train, Ditch Cleanout					
Labor	4	DY	$ 3,726	$ 14,903	Assume three man train crew plus HE Foreman and two HE Operators
Per Diem	4	DY	$ 718	$ 2,873	Assume train crew plus half the HE Operators are eligible for per diem
ARRC Equipment	4	DY	$ 7,039	$ 28,156	Assume work train, Jordan spreader, D6 dozer, 320 excavator, two hi-rails
Construction Subtotal				$ 964,900	
Mobilization	0.00%			$ -	
Construction Total				**$ 964,900**	
Design & Support					
Engineering and Design				$ 39,000	
NEPA	1	LS	$ 15,000	$ 15,000	Assume funding agency requires National Environmental Policy Act studies
Permitting / SWPPP / Seeding	1	LS	$ 24,000	$ 24,000	Assume regulatory agency requirements / SWPPP / Seeding
Environmental / Cultural	1	LS	$ -	$ -	Assume no cultural resources survey for the identified site
QA / QC Testing				$ -	
Management				$ 80,200	
Project Management	3.00%			$ 30,100	
Project Management Support	1.00%			$ 10,000	
Construction Management	3.00%			$ 30,100	
Quality Assurance Mgmt	1.00%			$ 10,000	
Design & Support Total				**$ 119,200**	
Project Subtotal				$ 1,084,100	
Escalation	7.00%			**$ 75,900**	Assume 7% escalation for 2011 construction season
Indirects	16.50%			**$ 28,281**	
Grand Total (Rounded)				**$ 1,188,300**	

Assumptions and Scope
See Notes / Comments