

Appendix F

SMART Cost, Budget

Appendix 2

Cloverdale to San Rafael Operating Costs

Equipment: 4 trainsets - 5 DMU 90-3's

Frequencies: 45-minute at Peak

Transportation

Labor

	Wages & Salaries	Employees	Cost
Train Operator-Regular	38,000	8	304,000
Train Operator-Overtime	5,700	8	45,600
Train Operator-Fringes	17,100	8	136,800
Train Attendant-Regular	34,200	7	239,400
Train Attendant-Overtime	5,130	7	35,910
Train Attendant-Fringes	15,390	7	107,730
Supervisor-Regular	50,000	2	100,000
Supervisor-Overtime	7,500	2	15,000
Supervisor-Fringes	22,500	2	45,000
Net Dispatchers Shared with NWP-Regular	38,000	1.5	57,000
Net Dispatchers Shared with NWP-Overtime	5,700	1.5	8,550
Net Dispatchers Shared with NWP-Fringes	17,100	1.5	25,650
Office Staff-Regular	25,000	1	25,000
Office Staff-Fringes	11,250	1	11,250
Total			1,156,890

Other

Low value tools and equipment	1,600
Other outside services	1,600
Total	3,200

Total transportation costs 1,160,090

Assumptions

Manpower per Glover tables	
Dispatchers	3
Wages and salaries comparable to Denver LRT operation	
Overtime	10%
Fringes	45%
Tools at per operator	200
Outside services per operator	200
SMART share of dispatcher time	50%

Maintenance of Equipment

Labor

Machinists-Regular	36,000	4	144,000
Machinist-Overtime	5,400	4	21,600
Machinist-Fringes	16,200	4	64,800
Electrician-Regular	36,000	3	108,000
Electrician-Overtime	5,400	3	16,200
Electrician-Fringes	16,200	3	48,600
Diesel mechanic-Regular	36,000	4	144,000
Diesel mechanic-Overtime	5,400	4	21,600

Diesel mechanic-Fringes	16,200	4	64,800
Car maintainer-Regular	34,000	3	102,000
Car maintainer-Overtime	5,100	3	15,300
Car maintainer-Fringes	15,300	3	45,900
Supervisor-Regular	44,000	1	44,000
Supervisor-Overtime	6,600	1	6,600
Supervisor-Fringes	19,800	1	19,800
Inventory clerk-Regular	25,000	2	50,000
Inventory clerk- Fringes	8,910	2	17,820
Total			935,020

Other

Parts			203,044
Low value tools and equipment			21,538
Cleaning supplies and other materials			20,000
Total			244,582

Total vehicle maintenance **1,179,602**

Assumptions

Wages and salaries per LRT operation + additive			
Overtime	10%		
Fringes	45%		
Anticipated annual train miles	324,870		
Part cost per train mile	0.625		
Low value tools/equipment per maintainer per LRT	1,538		
Cleaning materials (LRT) per train mile (SMART)	0.062		

Fuel 176,106

Assumptions

Gallons per train mile per DMU 90-3	0.440		
Anticipated annual train miles	324,870		
Price per gallon per Traffic World	1.12		
Allowance for spillage and idling	10%		

Maintenance of Way

Labor

Track maintainer-Regular	31,000	12	372,000
Track maintainer-Overtime	4,650	12	55,800
Track maintainer-Fringe	13,950	12	167,400
Electronic Technicians-Regular	36,000	6	216,000
Electronic Technicians-Overtime	5,400	6	32,400
Electronic Technicians-Fringe	16,200	6	97,200
Supervisor-Regular	39,000	2	78,000
Supervisor-Overtime	5,850	2	11,700
Supervisor-Fringe	17,550	2	35,100
Inventory clerk-Regular	25,000	1	25,000
Inventory clerk-Fringe	11,250	1	11,250
Total			1,101,850

<u>Other</u>	
Track	205,887
Signals	257,358
Bridges and structures	12,868
Low value tools and equipment for track maintainers	30,000
Low value tools and equipment for signal maintainers	6,000
Track contract maintenance	160,849
Bridges contract maintenance	<u>257,358</u>
Total	930,321

Total Maintenance of Way 2,032,171
SMART **1,170,435**

Assumptions

Wages and salaries per expert comments	
Overtime	10%
Fringes	45%
Track miles	68
Track materials cost per mile per LRT	3,019
Signal materials cost per mile per LRT	3,774
Bridges/structures cost per mile (twice LRT)	189
Low value tools/equip. per track maintainer per LRT	2,500
Low value tools/equip. per signal maintainer per LRT	1,000
Track contract maintenance per mile per LRT	2,358
Bridges contract maintenance per mile (twice LRT)	3,774
NCRA track miles Ignacio - Healdsburg	42
NCRA track miles Healdsburg - Cloverdale	17
GGT track miles Ignacio - San Rafael Transit Center	9
SMART share of cost for NCRA track miles	60%
SMART share Healdsburg - Cloverdale	30%

Storage/Shop Facility Maintenance

Labor

Custodian-Regular	24,563	1	24,563
Custodian-Overtime	3,684	1	3,684
Custodian-Fringe	11,053	1	11,053
Mechanic-Regular	24,563	1	24,563
Mechanic-Overtime	3,684	1	3,684
Mechanic-Fringes	11,053	1	<u>11,053</u>
Total			78,602

Other

Materials and supplies	18,120
Low value tools and equipment per custodian	1,000
Low value tools and equipment per mechanic	1,000
Building maintenance services	39,000
Contract maintenance	8,200
Lease for storage and shop	80,000
Utilities	<u>75,320</u>
Total	222,640

Total facility maintenance **301,242**

Assumptions

Maintainer wages per LRT	
Overtime	10%
Fringes	45%
Materials and supplies per LRT	18,120
Low value tools/equipment per custodian per LRT	1,000
Low value tools/equipment per mechanic per LRT	1,000
Building maintenance per LRT	39,000
Contract maintenance per LRT	8,200
Lease for shop per ACE	80,000
Utilities per LRT	75,320

Station Services

Contracted Services

Security Guards	150,000
Custodian Services	180,000
Revenue Services	200,000
Telephonic Information Services Shared with GGT	<u>25,000</u>
Total	555,000

Other

Materials and Supplies	22,000
Utilities	44,000
Communications charges	<u>22,000</u>
Total	88,000

Total station services **643,000**

Assumptions

Number of Stations	11
Materials and Supplies per Station per WSA	2,000
Utilities per Station per WSA	4,000
Communications charges estimate per WSA	2,000

Insurance and Claims 1,200,000

Assumptions

Liability insurance	800,000
Property and comprehensive protection	200,000
Non insured passenger/workers compensation	200,000
Self insurance retention	

General and Administrative

Labor

General Manager-Regular	100,000	1	100,000
General Manager-Fringes	45,000	1	45,000
Controller-Regular	90,000	1	90,000
Controller-Fringes	40,500	1	40,500
Chief Operating Officer-Regular	90,000	1	90,000
Chief Operating Officer-Fringes	40,500	1	40,500
Accounting Clerk-Regular	40,000	2	80,000

Accounting Clerk-Fringe	18,000	2	36,000
Administrative assistant-Regular	25,220	2	50,440
Administrative assistant-Fringes	11,349	2	<u>22,698</u>
Total			595,138

Other

Contract legal, accounting and consulting services			120,000
Contract marketing services			120,000
Automotive			36,000
Telecommunications			14,400
Telephone equipment rental			12,000
PC rentals			6,000
Copier			12,000
Office supplies			4,920
Travel and meetings			12,000
Office lease			72,000
Contractor resident manager-Regular			90,000
Contractor resident manager-Fringes			40,500
Transportation and maintenance management fee			<u>293,563</u>
Total			833,383

Total general and administrative **1,428,521**

Assumptions

Management salaries levels above LRT supervisors	
Accounting clerk pay half per WSA	
Administrative assistant wages at LRT clerical levels	
Fringes	45%
Legal, accounting and consulting fees per month	10,000
Advertising per month	10,000
Auto and pickup truck expense per month (\$500 per vehicle)	3,000
Telecommunications per month	1,200
Phone equipment at \$1,000 per month	1,000
Personal computers	10
PC rental per month	50
Copiers	2
Copier rental per month	500
Office supplies per month	100
Payroll service per month	160
Postage per month	50
Coffee and water per month	50
Subscriptions per month	50
Travel and meetings per month	1,000
Office lease per month (includes janitorial services)	6,000
Management fee percentage of total contracted labor	10%
Performance Incentive Payment (percentage of fee)	0%
Contractor general manager	90,000
Contractor fringes	45%

Total O&M Costs **7,258,995**

Summary of Operating Costs

Cost Category	Estimate	Percent
Transportation	1,160,090	16%
Maintenance of Equipment	1,179,602	16%
Fuel	176,106	2%
Maintenance of Way	1,170,435	16%
Facility Maintenance	301,242	4%
Station Services	643,000	9%
Insurance	1,200,000	17%
General and Administrative	<u>1,428,521</u>	<u>20%</u>
Total	7,258,995	100%