Appendix X. Cost Benefit Analysis

Development Cost	Cost per Unit	Quantity	Cost	Sub-Total
Hardware	0.00	0	0.00	0.00
Software	0.00	0	0.00	0.00
Developers			•	
Programmer	0.00	4	0.00	0.00
Total Development Cost				0.00
Installation Cost	Cost per Unit	Quantity	Cost	Sub-Total
Hardware	0.00	0	0.00	
Software	0.00	0	0.00	
Supplies	·			
Bond Paper	285.00	7	1,995.00	
Printer Ink Cartridge	500.00	9	4,500.00	
Ring Bind	50.00	15	750.00	7,245.00
Training	0.00	1	0.00	
Total Installation Cost	7,245.00			
Total System Cost				7,245.00

Existing System				
	Cost per Unit	Quantity	Cost	Sub-Total
Salaries				
Executives	87,000.00	3	261,000.00	
Managers	56,000.00	7	392,000.00	
Supervisors	34,000.00	25	850,000.00	
Staff	21,000.00	37	777,000.00	2,280,000.00
Office Supplies			12,500.00	
Utilities				
Electricity			65,000.00	
Internet			22,000.00	
Telecom Network			15,000.00	
Telephone			3,500.00	105,500.00
Total Annual Operational Cost				28,626,000.00
Proposed System				
Operational Cost	Cost per Unit	Quantity	Cost	Sub-Total
Operational Cost	2,384,000.00	1	2,384,000.00	2,384,000.00
Total Monthly Operational Cost	2,384,000.00			
Total Annual Operational Cost				28,608,000.00

Doub oak D			
Payback Po	erioa 		
=	System Cost		
	Annual Benefits		
=	7,245.00		
	18,000.00		
=	0.4025		
=	4.83		
Return on I	nvestment		1
=	Total Benefits - Tot		
	Total Costs		
=	18,000.00	-	7,245.00
		7,245.00	
=	10,755.00		
_	7,245.00		
=	1.48447205		
or	1.48		
=	148.00%		

		Cost			Benefits		
Year	PVIF (8%)	Costs	PV	Cumulative Costs	Benefits	PV	Cumulative Benefits
0	1	7,245.00	7,245.00	7,245.00	0.00	0.00	0.00
1	0.93	28,608,000.00	26,488,888.89	26,496,133.89	18,000.00	16,666.67	16,666.67
2	0.86	28,608,000.00	24,526,748.97	51,022,882.86	18,000.00	15,432.10	32,098.77
3	0.79	28,608,000.00	22,709,952.75	73,732,835.61	18,000.00	14,288.98	46,387.75
4	0.74	28,608,000.00	21,027,734.03	94,760,569.64	18,000.00	13,230.54	59,618.28
5	0.68	28,608,000.00	19,470,124.10	114,230,693.74	18,000.00	12,250.50	71,868.78

Net Present Value					
=	PV of CumBenefit at Y5	-	PV of CumCost at Y5		
=	71,868.78	-	114,230,693.74		
=	-114,158,824.96				