

## Appendix 7

# FINANCIAL MODEL

### Shared Maintenance

Jacobs Bابتie, Renslade House, Bonhay Road, Exeter, EX4 3AY

This model has been prepared for our client:

**Project Integra**

The model should not be distributed further without the prior written consent of Jacobs Bابتie.  
This model has been prepared by Jacobs Bابتie from information supplied in connection with this

**Jacobs Bابتie retains ownership of this model.**

**May 2005**

NB. Cost variability is with respect to distance travelled

**Assumptions**

There will be 1 van per every 10 RCVs to be maintained therefore annual costs are pro rata reduced by 10

Driver will be paid 1 hours overtime for driving van to and from workshop @ 10 round trips per annum

Van will be available for use within workshop for other purposes when not in use for transporting drivers

Van depreciated over 4 years

RCV depreciated over 7 years

	Van	4 x 2 chassis	6 x 4 chassis
Number of Working Days	260		
Cost of Fuel	£0.80		
Average daily mileage (km)	100	100	100
Fuel Consumption (km/l)	16	2	1.41
Annual Mileage (km)	26000	26000	26000
<u>Fixed costs per annum</u>			
Road Fund Licence	140	1250	2250
Insurance	1000	1000	1000
Annual Depreciation	£2,500.00	£15,429.00	£17,143.00
<b>Fixed costs per vehicle per annum</b>	<b>£3,640.00</b>	<b>£17,679.00</b>	<b>£20,393.00</b>
<u>Variable costs per annum</u>			
Driver costs (£/year)	1790	22000	24900
Loader Cost (£/year)		40000	40000
Maintenance	1200	10000	13500
Tyres	200	900	1500
Fuel cost per annum	£1,300.00	£10,400.00	£14,751.77
<b>Variable cost per vehicle per annum</b>	<b>£4,490.00</b>	<b>£83,300.00</b>	<b>£94,651.77</b>
<b>Total cost per annum per vehicle</b>	<b>£8,130.00</b>	<b>£100,979.00</b>	<b>£115,044.77</b>
<b>Variable cost per km</b>	<b>£0.17</b>	<b>£3.20</b>	<b>£3.64</b>
<b>Fixed cost per km</b>	<b>£0.31</b>	<b>£3.88</b>	<b>£4.42</b>
<b>Total cost per km</b>	<b>£0.49</b>	<b>£7.09</b>	<b>£8.07</b>

**Assumption:**

Vehicles will make a maximum of 10 trips per annum to the maintenance depot

The van is an additional cost and therefore all fixed and variable costs incurred will be attributed.

				6x4 Chassis Vehicle				4x2 Chassis Vehicle			
				6x4	Van		Total Operating Cost	4x2	Van		Total Operating Cost
Proposed workshop location	Round trip distance in kms	From	Extra kms per annum	Original 6x4	Variable	Fixed		Original 6x4	Variable	Fixed	
<b>Havant</b>											
	18.1	Portsmouth	181	£658.92	£31.26	£56.60	<b>£746.78</b>	£579.90	£31.26	£56.60	<b>£667.75</b>
	33.3	Fareham	333	£1,212.27	£57.51	£104.13	<b>£1,373.90</b>	£1,066.88	£57.51	£104.13	<b>£1,228.51</b>
	47.5	Gosport	475	£1,729.22	£82.03	£148.53	<b>£1,959.77</b>	£1,521.83	£82.03	£148.53	<b>£1,752.38</b>
	61.2	Eastleigh	612	£2,227.96	£105.69	£191.37	<b>£2,525.01</b>	£1,960.75	£105.69	£191.37	<b>£2,257.81</b>
	88.3	East Hants	883	£3,214.52	£152.49	£276.11	<b>£3,643.11</b>	£2,829.00	£152.49	£276.11	<b>£3,257.59</b>
<b>Fareham</b>											
	17.9	Gosport	179	£651.64	£30.91	£55.97	<b>£738.52</b>	£573.49	£30.91	£55.97	<b>£660.37</b>
	35.9	Eastleigh	359	£1,306.92	£62.00	£112.26	<b>£1,481.18</b>	£1,150.18	£62.00	£112.26	<b>£1,324.43</b>
<b>New Forest Nr Incin</b>											
	20.4	Southampton	204	£742.65	£35.23	£63.79	<b>£841.67</b>	£653.58	£35.23	£63.79	<b>£752.60</b>
	87.1	Test Valley	871	£3,170.83	£150.42	£272.36	<b>£3,593.60</b>	£2,790.55	£150.42	£272.36	<b>£3,213.32</b>
	51.2	Winchester	512	£1,863.91	£88.42	£160.10	<b>£2,112.43</b>	£1,640.37	£88.42	£160.10	<b>£1,888.89</b>
<b>TestValley</b>											
	86.3	Basingstoke & Deane	863	£3,141.71	£149.03	£269.85	<b>£3,560.60</b>	£2,764.92	£149.03	£269.85	<b>£3,183.81</b>
	62.7	Winchester	627	£2,282.56	£108.28	£196.06	<b>£2,586.90</b>	£2,008.81	£108.28	£196.06	<b>£2,313.15</b>
<b>Winchester</b>											
	63.6	East Hants	636	£2,315.33	£109.83	£198.87	<b>£2,624.03</b>	£2,037.65	£109.83	£198.87	<b>£2,346.35</b>
	68.2	Basingstoke & Deane	682	£2,482.79	£117.78	£213.26	<b>£2,813.82</b>	£2,185.02	£117.78	£213.26	<b>£2,516.06</b>
<b>East Hants</b>											
	51.1	Basingstoke & Deane	511	£1,860.27	£88.25	£159.79	<b>£2,108.30</b>	£1,637.17	£88.25	£159.79	<b>£1,885.20</b>
<b>Hart</b>											
	31	Rushmoor	310	£1,128.54	£53.53	£96.93	<b>£1,279.01</b>	£993.19	£53.53	£96.93	<b>£1,143.66</b>
<b>Basingstoke &amp; Deane</b>											
	42.7	Hart	427	£1,554.47	£73.74	£133.52	<b>£1,761.73</b>	£1,368.04	£73.74	£133.52	<b>£1,575.30</b>

**Assumptions:**

Spare vehicle is the same as the vehicle in for Maintenance

Vehicles will make a maximum of 10 trips per annum to the maintenance depot

Round trip distances are by road provided by Microsoft Autoroute

				Additional variable cost					
				6x4 Chassis Vehicle			4x2 Chassis Vehicle		
Proposed workshop location	Round trip distance in kms	From	Extra kms per annum	Original	Spare	Total	Original	Spare	Total
<b>Havant</b>									
	18.1	Portsmouth	181	£658.92	£658.92	<b>£1,317.84</b>	£579.90	£579.90	<b>£1,159.79</b>
	33.3	Fareham	333	£1,212.27	£1,212.27	<b>£2,424.54</b>	£1,066.88	£1,066.88	<b>£2,133.76</b>
	47.5	Gosport	475	£1,729.22	£1,729.22	<b>£3,458.43</b>	£1,521.83	£1,521.83	<b>£3,043.65</b>
	61.2	Eastleigh	612	£2,227.96	£2,227.96	<b>£4,455.91</b>	£1,960.75	£1,960.75	<b>£3,921.51</b>
	88.3	East Hants	883	£3,214.52	£3,214.52	<b>£6,429.04</b>	£2,829.00	£2,829.00	<b>£5,657.99</b>
<b>Fareham</b>									
	17.9	Gosport	179	£651.64	£651.64	<b>£1,303.28</b>	£573.49	£573.49	<b>£1,146.98</b>
	35.9	Eastleigh	359	£1,306.92	£1,306.92	<b>£2,613.85</b>	£1,150.18	£1,150.18	<b>£2,300.36</b>
<b>New Forest Nr Incin</b>									
	20.4	Southampton	204	£742.65	£742.65	<b>£1,485.30</b>	£653.58	£653.58	<b>£1,307.17</b>
	87.1	Test Valley	871	£3,170.83	£3,170.83	<b>£6,341.67</b>	£2,790.55	£2,790.55	<b>£5,581.10</b>
	51.2	Winchester	512	£1,863.91	£1,863.91	<b>£3,727.82</b>	£1,640.37	£1,640.37	<b>£3,280.74</b>
<b>TestValley</b>									
	86.3	Basingstoke & Deane	863	£3,141.71	£3,141.71	<b>£6,283.42</b>	£2,764.92	£2,764.92	<b>£5,529.84</b>
	62.7	Winchester	627	£2,282.56	£2,282.56	<b>£4,565.13</b>	£2,008.81	£2,008.81	<b>£4,017.62</b>
<b>Winchester</b>									
	63.6	East Hants	636	£2,315.33	£2,315.33	<b>£4,630.66</b>	£2,037.65	£2,037.65	<b>£4,075.29</b>
	68.2	Basingstoke & Deane	682	£2,482.79	£2,482.79	<b>£4,965.58</b>	£2,185.02	£2,185.02	<b>£4,370.05</b>
<b>East Hants</b>									
	51.1	Basingstoke & Deane	511	£1,860.27	£1,860.27	<b>£3,720.54</b>	£1,637.17	£1,637.17	<b>£3,274.33</b>
<b>Hart</b>									
	31	Rushmoor	310	£1,128.54	£1,128.54	<b>£2,257.08</b>	£993.19	£993.19	<b>£1,986.38</b>
<b>Basingstoke &amp; Deane</b>									
	42.7	Hart	427	£1,554.47	£1,554.47	<b>£3,108.95</b>	£1,368.04	£1,368.04	<b>£2,736.08</b>