

**Appendix 2**

<b>Scheme Title:- Hard Ings Road Improvements</b>			
<b>Budget Estimate Summary at Q4 14/15</b>			
<b>Description</b>		<b>Cost (£)</b>	
<b><u>Works</u></b>			
Civil Works Link		£889,862.59	
Civil Works Beechcliffe Junction		£480,332.86	
	Total	£1,370,195.45	A
Street Lighting and Electrical Works		£140,000.00	
Road markings + traffic signs		£23,000.00	
Sign Manufacture ( incl. Wig Wags)		£27,000.00	
Restaint Barrier A629 (170m @ £31.74)		£5,395.80	
Retaining Walls (Hard Ings Road 2 no.)		£90,400.00	
Embankment Works A629		£150,000.00	
Drainage (5%)		£68,509.77	
	Total	£1,874,501.02	
Prelims calculated at 20% of Civils Works (Included in above)		£374,900.20	
	Total	<b>£2,249,401.23</b>	B
Signals		£80,000.00	
YE Charges (say 22 dis/connection - £350)		£15,400.00	
TRO Legal Costs		£10,000.00	
Stautory Undertakers (20%)		£274,039.09	
<b>Works Total</b>		<b>£2,628,840.32</b>	
20% Contingency		£525,768.06	
	Total	<b>£3,154,608.38</b>	C
<b><u>Land Acquisition</u></b>			
Land including CPO process		£1,100,000.00	D
<b><u>Other Costs (No Contingency)</u></b>			
Cycle Measures		£20,000.00	
Geotechnical Surveys (2% of B)		£52,576.81	
Landscape Works (1% of B)		£26,288.40	
Topo Surveys (0.5% of B)		£13,144.20	
Pavement Surveys (20 no. )		£20,000.00	
Building Surveys (0.5% of B)		£13,144.20	
Environmental Surveys incl. Noise (0.5% of B)		£13,144.20	

Drainage Survey (0.5% of B)	£13,144.20	
Noise Insulation Works	£75,000.00	
<b><u>Fees</u></b>		
Design Fee (10% of B)	£262,884.03	
Supervision Fee (7% of B)	£184,018.82	
CDM Coordinator Fee (0.5% of B)	£13,144.20	
<b>Other Costs + Fee Total</b>	<b>£706,489.07</b>	<b>E</b>
<b>Total Cost (C+D+E)</b>	<b>£4,961,097.45</b>	<b>F</b>
<b><u>Optimism Bias</u></b>		
<b>Optimism Bias (44% of F)</b>	<b>£2,182,882.88</b>	<b>G</b>
<b>Estimated Scheme Total (E+F)</b>	<b>£7,143,980.33</b>	<b>H</b>
<b><u>Whole Life Costs</u></b>		
<b>Whole Life Costs - 60 Years</b>	<b>£3,729,463.87</b>	<b>I</b>
<b>Estimated Scheme Total + Commuted Sums (G+H)</b>	<b>£10,873,444.20</b>	