Appendix D: Highway Assessment Matrix – Residential Roads

1A   Highway Condition (50%) - FRONT / MAIN LANES

Category / Score	Square Area / Score		Total Score / %
4 (5)	Plus 2000	(5)	10 (50%)
4 (5)	1000 - 2000	(4)	9 (45%)
4 (5)	1000 - 500	(3)	8 (40%)
4 (5)	less than 500	(2)	7 (35%)
3 (4)	Plus 2000	(5)	9 (45%)
3 (4)	1000 - 2000	(4)	8 (40%)
3 (4)	1000 - 500	(3)	7 (35%)
3 (4)	less than 500	(2)	6 (30%)

1B   Highway Condition (50%) - REAR LANES x 0.5 = (25%)

4 (5)	Plus 2000	(5)	10 (25%)
4 (5)	1000 - 2000	(4)	9 (22.5%)
4 (5)	1000 - 500	(3)	8 (20%)
4 (5)	less than 500	(2)	7 (17.5%)
3 (4)	Plus 2000	(5)	9 (22.5%)
3 (4)	1000 - 2000	(4)	8 (20%)
3 (4)	1000 - 500	(3)	7 (17.5%)
3 (4)	less than 500	(2)	6 (15%)

Example: Location A Street

1A - very poor condition	45%
2 - High Maintenance cost	24%
3 - 3 insurance claims in last 10 years	3%
4 - serves 50 - 99 properties	10%
TOTAL	**82%**

2   Maintenance Costs (30%)

Costs over 5 years	Score / %
Plus £10,000	10 (30%)
£9,999 - £5,000	8 (24%)
£4,999 - £3,000	5 (15%)
£2,999 - £1,000	3 (9%)
Less than £1,000	1 (3%)
£0.00	0 (0%)

3   Insurance Claims (10%)

No. in last 10 years	Score / %
plus 5	10 (10%)
4	8 (8%)
3	5 (5%)
2	3 (3%)
1	1 (1%)
0	0 (0%)

4   Property Location (10%)

No. of Houses	Score / %
*150 +	10 (10%)
* 100 - 150	8 (8%)
50 TO 99	5 (5%)
20 TO 49	3 (3%)
1 TO 19	1 (1%)
0 / rear access	0 (0%)

* Also linked with other highways and can be combined in to one scheme

Appendix E: Highway Assessment Matrix – Residential Roads: Worked Example

PRUDENTIAL BORROWING SCHEME

STREET / ROUTE	(1A) HIGHWAY CONDITION FRONT LANE (50%)					(1B) HIGHWAY CONDITION REAR LANE (25%)					(2) MAINTENANCE COSTS (30%)						(3) No. INSURANCE CLAIMS (10%)						(4) PROPERTY LOCATION (10%)						TOTAL	F %
SCORES	10	9	8	7	6	9	8	7	6	5	10	8	5	3	1	0	10	8	5	3	1	0	10	8	5	3	1	0		
PERCENTAGE %	50%	45%	40%	35%	30%	25%	23%	20%	18%	15%	30%	24%	15%	9%	3%	0%	10%	8%	5%	3%	1%	0%	10%	8%	5%	3%	1%	0%	TOTAL	F %
EXAMPLE STREET		X										X								X			X						30	82%