

**CARRIAGEWAY MAINTENANCE SCHEME DEFECT ASSESSMENT  
BLACKTOP SURFACED CARRIAGEWAY**

Scheme	LANCING BUSINESS PARK		
Total Area (sq.m)	19630 sqm	Total Edge Length (m)	
Av Min Width - 7.1m	Grid Ref, 517160E, 103760N to 517850E, 103760N	Speed	30 MPH
Defect Summary	Description	Measure by	
Edge Deterioration with no cracking	Erosion or potholing greater than 150mm wide and 25mm deep but no cracking or deformation in a strip 0.5m from carriageway edge.	Edge Length	
Edge Deterioration with cracking	Erosion or potholing greater than 150mm wide and 25mm deep but no cracking or deformation in a strip 0.5m from carriageway edge. If cap gap between lengths of deterioration <3 m, treat as continuous.	Edge Length	
Severe wheel track rutting	Use subjective judgement to decide if rutting is severe enough to be traffic hazard or likely to result in early surfacing failure	Rut Length	
Wearing Course Deterioration	Identified by loss of aggregate from surface or potholes in wearing course only. Fine crazing, stripping.	Area	
Whole Surface Major deterioration	Identified by cracking, crazing, unsatisfactory reinstatements, potholes deeper than wearing course, or standing water >600mm from edge	Area	

	Site Record	Sum	% total	Factor	Rating
Edge Deterioration with no cracking (m)				1.2	0
Edge Deterioration with cracking (m)				2.4	0
Severe wheel track rutting				1.8	0
Wearing Course Deterioration (sq.m)				3.3	0
Whole Surface Major deterioration (sq.m)			50	6.7	335
Total					335

**Traffic Group Weighting**

All A & B Roads	Yes	x	6	=	0
County Distributor Road x 4		x	4	=	0
Minor Estates, Cul de Sac, D Roads	335	x	2	=	670
Total Weighting					670
Total Defect Score					670

**General Comments:**

Bituminous surface cracked over every transverse and longitudinal joint of underlying concrete carriageway including across old trench lines. Some plating off of surface material. Miles Macadam Hardycoat surfacing material in good condition and well adhered to underlying concrete. Very little differential settlement between concrete bays although the extensive cracking over the joints indicates movement between the slabs. Recommend - Patch defective areas and flexible recess band seal all joints