

Whether you need asset or structural data for a road network or investigation of an airport runway, PMS can provide the information you require.

Our capability to analyse road and pavement data and perform a wide range of surveys using the latest measurement technologies, provides a vital insight, ingenuity and resources to help our clients conceive and deliver assured integrated and sustainable economic solutions.

DATA CATEGORY	PRIMARY DATA	SECONDARY DATA	
FUNCTIONAL (SAFETY AND SERVICEABILITY)	Geometry	Horizontal radius of curvature plus other design parameters such as angle & deflection	
		Horizontal curve type	
		Vertical Slope plus other design parameters such as vertical parabola coefficients and curvature K value	
		Vertical curve type	
		Crossfall / Superelevation	
	Pavement Distress	Visual Condition	Potholes
			Pothole patching
			Heavy patching
			Non Load associated Cracking (Longitudinal, Transverse, Meandering)
			Load Associated Cracking (Fatigue/Crocodile)
			Ravelling/Stripping
			Edge Break / Drop
			Bleeding / Flushing
	Profile	Roughness (Quarter Car, Half Car, HATI)	
		Edge Drop Off	
Rut Depth (straight edge, wire methods)			
Ponding Depths			
Texture Depth (MPD, ETD)			
Skid Resistance	Surface friction assessment (equivalent SCRIM, IFI)		
ASSET INVENTORY AND MAPPING	Inventory	Roadside Furniture Inventory by Location, Type and Condition	Signs
			Lines
			Medians / Bollards
			Services Pits
			Bus Shelters
	Video Logging	Right of Way Videolog	
Pavement View Videolog			
Mapping	Road/Lane travelled path centreline - GIS		
STRUCTURAL	Deflection	Layer moduli back-analysis	
		Remaining life analysis (Empirical, Mechanistic-Empirical)	
		Load transfer analysis	
		Void analysis on concrete slabs	
	Structural Inventory (GPR)	Layer thickness and target depth	
		Voiding, delamination and cracking within structural materials	
		Subsurface features such as reinforcement bars, buried utilities	
		Cavities, voids and geological structure in the ground	
		Moisture variations	