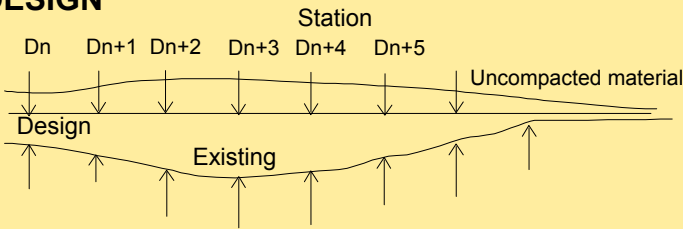


PaveSmart ...4 ways to maximize your overlay dollar with a total system to close the overlay loop

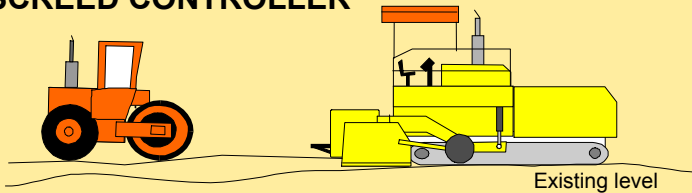
SURVEY PROFILER



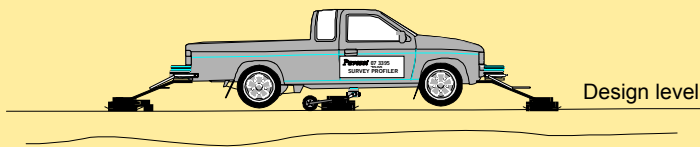
DESIGN



SCREED CONTROLLER



SURVEY PROFILER



1

PaveSmart - SURVEY PROFILER
Vehicle mounted sensors gather twin path surface deviation and cross slope data via a laptop computer at speeds of up to 10 mph. The data is then used to produce a surface plot showing the position and size of bumps and dips, as well as average cross slope.

2

PaveSmart - DESIGN
The design program uses the data collected by the SURVEY PROFILER to produce an overlay design. Using client specified **design criteria** of min. and max. depths, the program designs a "line of best fit" and provides a detailed listing of all design depths, cross slope, and material tonnage required.

3

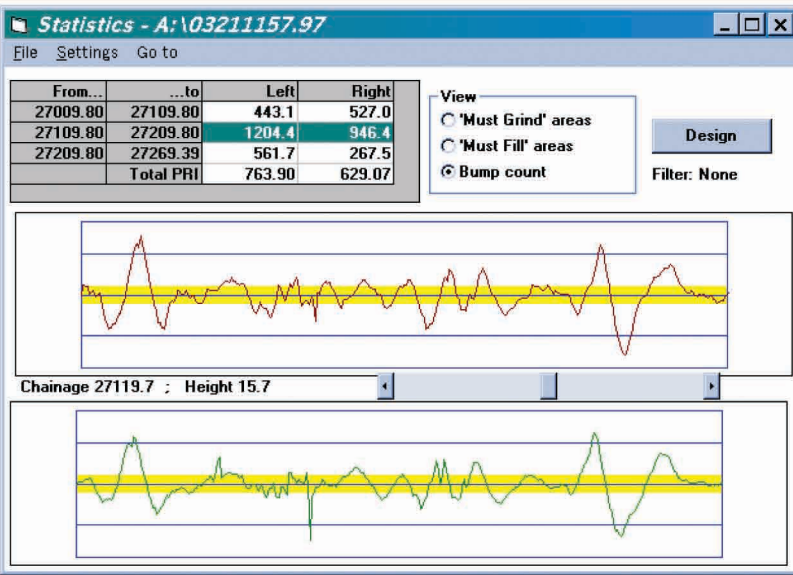
PaveSmart - GRADE CONTROL
The final design depths produced by DESIGN can be interfaced directly with the grade control. Connected to the paver, the controller ensures the design is achieved providing automatic screed level control without the need to set up string lines or use averaging beams.

4

PaveSmart - SURVEY PROFILER
At any stage during paving, the PROFILER can be run over the new mat collecting surface deviation data. This data provides a road roughness value compatible with NAASRA, PRI or IRI. The surface plot also shows the exact position of bumps and dips indicating areas that may require fill or grind.

PaveSmart ... for smooth results that will save you money

PaveSmart ...a total system



Design...

Maximum thickness: 50

Nominal thickness: 30

Minimum thickness: 20

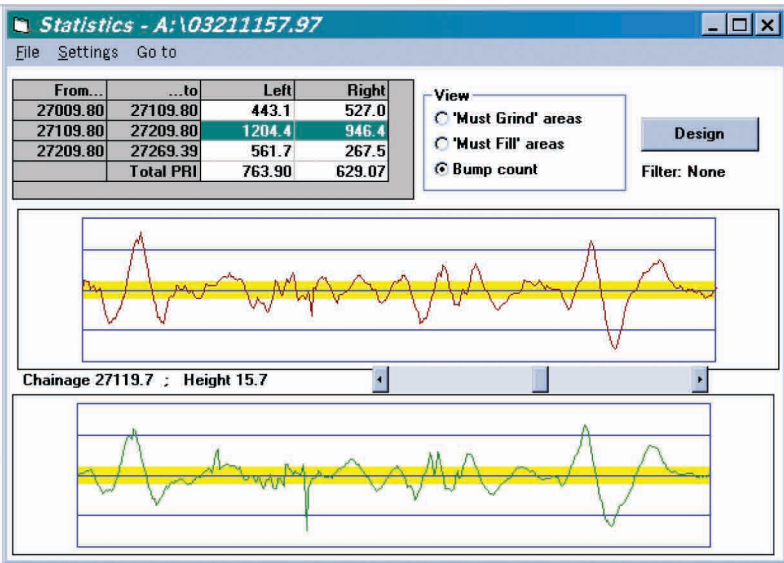
Xfall smoothing (m) 10

Logo for printouts
PaveSmart

Cancel OK

Design Criteria

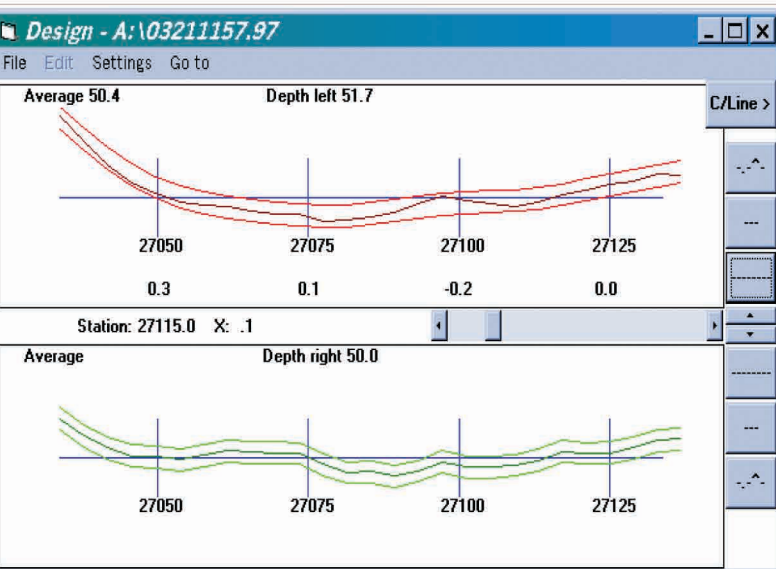
Surface deviation data



Station	Left	Right
27015	47	50
27020	46	50
27025	45	50
27030	46	50
27035	49	50
27040	55	50
27045	58	50
27050	56	50
27055	54	50
27060	51	50
27065	50	50
27070	50	50
27075	51	50
27080	54	50
27085	52	50
27090	51	50
27095	45	50
27100	46	50
27105	51	50
27110	54	50

Thickness table used by the Grade Control System

Surface plot showing position and size of bumps & dips



Overlay design based on design criteria