**StreetPave 12 –Patch Change Log**

**Patch 1 - Recommended**

* bug fix to %TOTAL FATIGUE/EROSION CONSUMED values displayed on-screen and in reports
* metric fixes to the composite k-value calculator
* added support for analyzing both a doweled and undoweled pavement/overlay in the existing overlay/pavement screen

**Patch 2 - Recommended**

* bug fix in reports to properly display Rigid ESALs in all scenarios
* added support for formatting and display of help screens for all resolution configurations
* in some cases, decreased minimum asphalt thickness

Specifically when the conditions below are selected, the minimum thicknesses allowed will be:

* + MAAT = 45F (7C)
		- Full depth asphalt: 4 in. (100 mm)
		- On 6” base: 3 in. (75 mm)
		- On 12” base: 3 in. (75 mm)
	+ MAAT = 60F (15.5C)
		- Full depth asphalt: 4 in. (100 mm)
		- On 6” base: 3 in. (75 mm)
		- On 12” base: 3 in. (75 mm)
	+ MAAT = 75F (24C)
		- Full depth asphalt: 4 in. (100 mm)
		- On 6” base: 3 in. (75 mm)
		- On 12” base: 4 in. (100 mm)

 **Patch 3 – Recommended**

* for doweled pavement and doweled unbonded overlay designs where calculated thickness is less than 8 inches (203.2 mm) and the mode of failure is cracking, StreetPave 12 will now allow the user to view the calculated results and reports, even though dowels are not recommended under these conditions
* \* Because the doweled thickness is less than 8 in. and cracking is the predicted cause of failure, dowel bars typically would not be recommended for the design details you provided.
* fixed bug in reports to properly display value for min. required thickness in reports for doweled pavements
* fixed formatting issue on run analysis screen, where minimum required doweled thickness value was offset from minimum required undoweled thickness value

**Patch 4 – Recommended**

* fixed bug with life cycle cost module that caused the initial costs for asphalt surface course, base, and aggregate to reset to default values under certain circumstances
* fixed issue with metric units where the existing concrete thickness for a bonded on concrete overlay was limited to a maximum of 50 mm
* upgraded subgrade modulus coefficient of variation (COV) input to automatically calculate design resilient modulus of the subgrade as the value is being entered
* fixed bug with resilient modulus of the subgrade calculator to allow for calculation in metric units
* adjusted tab system to not include help buttons
* fixed reports to properly show the joint crack adjustment factor for applicable overlay designs

**Patch 5 – Recommended**

* fixed bug issue with design resilient modulus of the subgrade not automatically updating after making changes within the resilient modulus of the subgrade calculator
* updated licensing DLL to address some issues related to Windows 8 compatibility

**Patch 6 – Recommended**

* fixed a bug introduced with patch 5, that in some cases produced an incorrect result for total fatigue calculated

**Patch 7 – Recommended**

* updated the licensing module to address incompatibility issues with Windows 8.1
* fixed an issue where in some cases the life cycle cost report would not load properly

**Patch 8 – Recommended**

* fixed issue where concrete overlay type and various life cycle cost inputs where not saving to project files
* updated reports to remove ‘number of lanes’ field that is no longer used
* updated metric reports to show kN units for axle loads in the cracking/faulting table