

Escaping the grind

Hot in-place recycling the right choice in Ill.

Looking for an alternative to the conventional “grind and overlay,” Cook County, Ill., decided to utilize hot in-place recycling (HIR) to rehabilitate Ridgeland Avenue.

Working with Gallagher Asphalt Corp., Thornton, Ill., one of the largest HIR contractors in the country, Cook County was able to revitalize its roadway in a fraction of the amount of time it would have taken to mill and overlay. HIR typically saves agencies 30% and enables them to shorten the project by almost 50%. Technically referred to as “heater scarification,” the process restored the county’s cracked, brittle and irregular pavement in preparation for a final wearing of hot-mix asphalt.

Using clean-burning propane, pre-heaters and heaters heated the aged pavement to approximately 300°F. A polymer-modified rejuvenating agent was then applied to the surface. It was then scarified using multiple rows of spring-loaded tines to penetrate the pavement



approximately 1.5 in. in depth. The recycled material was then re-applied using a conventional paving screed on the back end of the machine. Compaction was achieved using a steel-wheel roller in vibratory mode. Shortly upon completion, a local paving contractor overlaid the renewed road with 4 in. of hot mix.

The scarification process revitalized and reformed the road at a rate of approximately 9,000 sq yd per day. **R&B**

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A Stirling effort

The right moves solve a ponding problem

ACO’s HighwayDrain HD200 helped solve ponding issues along Stirling Road in Florida.

The Stirling Road project was designed to alleviate a flooding problem along a 2,000-ft stretch of the road in Cooper City, Fla. Before the trench drain and curbing were installed on the south side of the road, ponding would take place in the grassy area along the road during a rainstorm. In storms of a longer duration, the water would eventually back up on and flood the roadway, flooding driveways and endangering pedestrians.

The newly installed curb and ACO HD200 have solved the problem, and the city engineers are very pleased with the safer results.

Many benefits exist when choosing an ACO Road Surface Drainage product. Those include:



- Modular units that provide consistent finish and quality;
- Continuous line of inlets that provide better water capture, preventing ponding and sheeting; and
- Large inlet slots that ensure maximum capture of water and minimize bypass. **R&B**

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