

Project location, type of distresses and traffic volumes led Utah Department of Transportation (UDOT) to pick Cold In-Place Recycling (CIR) for this project. A well tested mix design was key to success.

This project won the Roads and Bridges magazine asphalt recycling award for 2018. (See February 2019 Issue, or the link below for full story)



Doing a conventional Mill and Fill was too costly, leaving Cold In-Place Recycling as the best option



Using CIR resulted in a reduction of an estimated 648 truck loads of RAP being hauled to a pit 25 miles away, saving over 8,000 gallons of diesel fuel.



100% of existing material was used "in-place"



With 12 days scheduled to complete the CIR on the 21.6 mile project, the CIR was completed in 8 days.

BACKSTORY:

In 1990 US 191 between Helper and Duchesne, Utah, known as Indian Canyon, was designated by the State of Utah as a Scenic Byway. With daily traffic counts averaging 2,100 vehicles including 22% combination and 28% single unit trucks, this road is a main transportation corridor between central and northern Utah.

PROBLEM:

There was serious environmental cracking and cores showed the cracks were full depth. CIR is known to retard reflective cracking and by recycling in place, this reduced the construction time significantly causing less disruption to the traveling public.

“ This might be the best looking CIR job I have ever seen. It was a pleasure to be part of it's success. ”

— Jared Wright, Regional Account Manager, Peak Asphalt/Western Emulsions

SOLUTION:

With two previous Cold In-Place Recycle (CIR) projects accomplished in recent years on other portions of US 191, Utah Department of Transportation (UDOT) again chose to select CIR for the 2018 project. With an innovative mix design and an experienced team, this job turned out winning the Roads and Bridges magazine recycling project of the year. UDOT has since put out another CIR job for 2019 using the same specification.

Link to the full story in Roads & Bridges magazine, <https://www.roadbridges.com/best-looking-cir-job-ive-ever-seen>

PHOTOS:



Coughlin Company Cold Train Indian Canyon



Burdick Materials Paving Operations Indian Canyon CIR