



RUBBLIZATION - ASPHALT'S ANSWER TO DETERIORATED CONCRETE PAVEMENTS

Fast Facts

- Rubblization is a road-user-friendly construction technique that turns a deteriorated concrete road into the base for a smooth, safe, quiet, durable pavement constructed of Hot Mix Asphalt (HMA). It minimizes delays for motorists and allows for construction during "off-peak" hours.
- With rubblization, a deteriorated Portland Cement Concrete (PCC) pavement is broken into pieces, and then it is overlaid with Hot Mix Asphalt (HMA). Fracturing the concrete helps to ensure that joints, cracks, and other defects in the concrete will not "reflect through" the HMA overlay and impair performance.
- Rubblization saves time. If needed, the work can be accomplished at off-peak hours, without the round-the-clock road closures required to cure concrete pavements. Contractors report rubblizing up to one mile of deteriorated concrete pavement per day.
- Rubblization saves resources. The rubblized roadbed is left in place, so that it does not have to be trucked off to a landfill. Instead of becoming waste, it has value as part of the new road structure.
- Rubblization makes for smooth roads. The new asphalt pavement that is placed over the rubblized roadbed will remain smooth for years.
- Rubblization works. Leading pavement researchers including Witczak, Rada, and Thompson who have tracked rubblization projects over the course of years report excellent results. Many highway agencies have had great success in implementing it.