

COLD CENTRAL PLANT RECYCLING (CCPR)

Rehabilitate your roads with cold central plant recycling technology, where the asphalt plant is brought near the jobsite, and the reclaimed RAP is recycled in a mobile plant, allowing for 100% re-use of RAP materials near or from the job-site, and therefore lowering the construction carbon footprint when compared with traditional road rehabilitation.

ATTRIBUTES

- CCPR can be used in new construction as a base or binder mix
- CCPR can be used to widen or pave shoulders
- CCPR uses existing stockpiles of RAP
- CCPR can be used when it is not possible to CIR a road

COMMON COMBINATIONS

- CCPR + hot mix overlay
- CCPR + Single or Double Chip Seal
- CCPR + Micro or Slurry Surfacing
- CCPR + CIR to increase treatment depth

- \$ 20-50% less expensive than conventional maintenance, reconstruction and new construction methods
- ♻️ Reduces greenhouse emissions by up to 50%
- ♻️ Reuses 100% of existing materials
- 🕒 Same day return to traffic, 20-40% faster construction times
- +
- Most agencies use Structural Layer (a) Coefficients between 0.30-0.38 (recent research indicates values from 0.36-0.55 may be more appropriate)

ISSUES ADDRESSED

- When used in place of an asphalt overlay, CCPR addresses the same distresses as the overlay
- When used in conjunction with CIR, CCPR treats the same distresses to a deeper depth in the pavement structure
- When used on a road that cannot be in-place recycled, CCPR treats the same distresses as CIR



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