

GRANITEROCK IS COOL™

Graniterock offers high-quality light-colored crushed granite aggregate for slurry and screenings used in pavement maintenance applications, including slurry seals, chips seals, cape seals, and stress absorbing membrane interlayers (SAMIs.) Our aggregates meet or exceed Caltrans' specifications. The use of light -colored aggregate results in safer, cooler, and more durable roadways. Graniterock aggregate is “Cool.”

- Cooler pavement temperatures result in a ten-fold reduction in roadway rutting and shoving deformation; these are the significant causes of roadway failure.
- Light colored aggregate results in cooler pavement surface temperatures, slowing the aging effects of sunlight on emulsion and asphalt materials. Emulsion and asphalt provide the “glue” in slurry seals and hot mix asphalts. With aging from higher temperatures, the “glue” becomes brittle or stiff shortening the pavement’s life.
- Streetlight and headlight effectiveness is improved when street pavements are more reflective. Improved lighting is likely to reduce pedestrian and vehicle accidents.
- With an aging population, increased lighting is important to an expanding constituent group. Local governments should implement policies now that improve roadway lighting effectiveness.
- Public streets cover a significant portion of the land surface in most cities. In Houston, public streets cover 10% of the land area. Darker colored streets increase pavement temperatures. As street pavement temperatures are increased, outdoor temperatures are also increased due to the transfer of pavement heat into the atmosphere. People respond with air conditioning further raising outdoor temperatures. The result is increased energy usage and cost.
- Higher temperatures in cities result in increased air pollution.