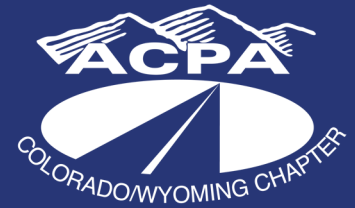
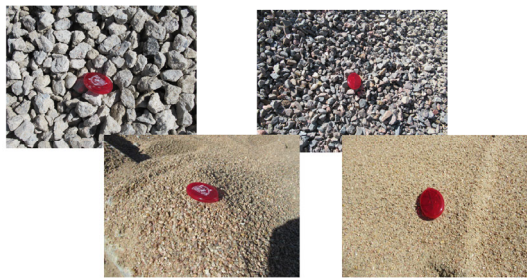


Road to Carbon Neutral Concrete Pavement



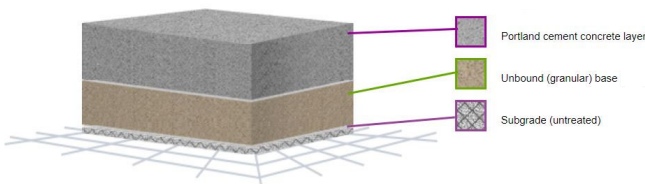
Alternative Cements: 20% fly ash replacement of cement has been standard in Colorado since the early 2000s, and Portland-Limestone Cement (PLC) has been used since 2008 (greenercement.com).

Reuse: Recycled Concrete Aggregates (RCA) are used in new concrete pavement in Colorado, and finer material is incorporated into aggregate base.

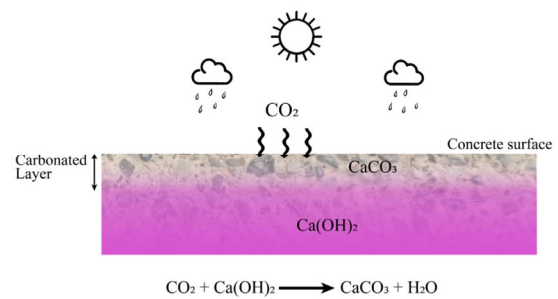


Reduced Cementitious Content: Colorado concrete pavement contractors pave with optimized aggregate gradations to allow for a reduction in cement content and improve durability and smoothness.

Operational Energy: Cement plants in Colorado operate with alternative and renewable energy sources to reduce GHG impacts.



Graphic: LTPP InfoPave



Graphic: MIT CSHub

Design Optimization: Reduce concrete consumption per square yard by eliminating excessive overdesign.

Carbon Uptake: Concrete is a carbon sink and absorbs carbon dioxide through the carbonation process.

Contact the CO/WY Chapter of the American Concrete Pavement Association to learn more about the road to carbon neutral concrete pavement.

www.cowyacpa.org

