

ROLLER COMPACTED CONCRETE PAVEMENT

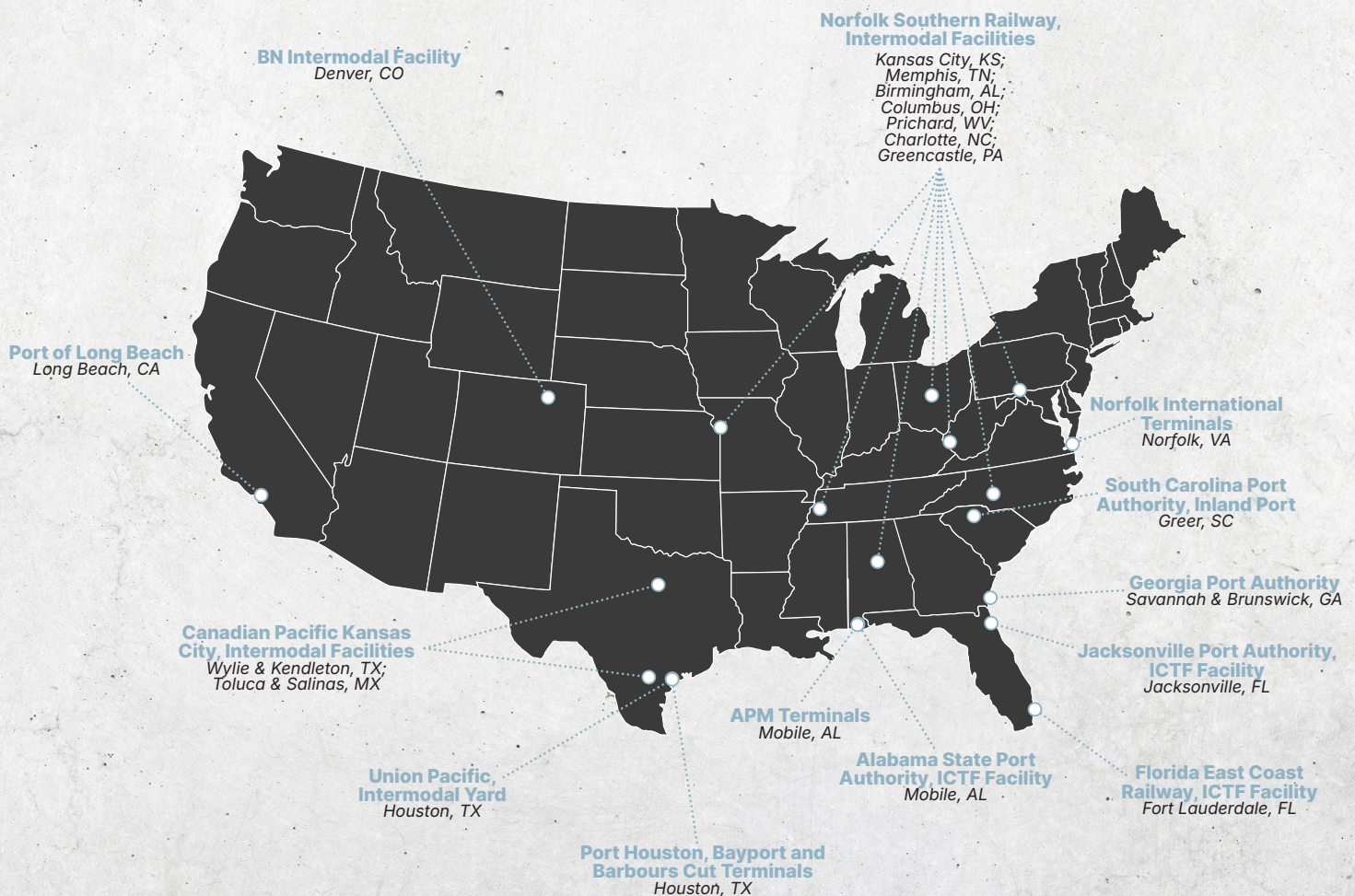


FOR INTERMODAL AND PORT FACILITIES

RCC Growth and Geography

Terminal areas typically have large pavement areas that need to provide adequate container and freight storage. Pavements must have the capacity to carry heavy loads while still being economical on an initial cost basis and durable enough to limit long-term maintenance cost.

Roller Compacted Concrete (RCC) is currently being utilized at many rail and port terminals across the United States where flexibility is required for the stacking and loading operations. RCC is used for both trailer storage and stack-loading operations which utilize gantry cranes, straddle carriers, and top picks.



RCC PAVEMENT FOR INTERMODAL AND PORT FACILITIES

RCC pavements are ideal in eliminating many of the common and costly problems traditionally associated with flexible pavement types. RCC attributes include:

- Eliminates rutting, particularly in warm weather climates.
- Withstands heavy concentrated loads.
- Rapid strength gain.
- Resists deterioration from fuel and hydraulic fluid spills.
- Immune to high and low temperature extremes.
- Minimal long-term maintenance requirements.
- High volume placement, no forms or finishing required.
- Expedites construction schedule.
- High flexural to compressive strength ratios.
- Increases flexibility for future operations from both container storage and vehicle use standpoints.



**Ocean Terminal,
Port of Savannah**
Savannah, Georgia



**Bayport,
Port Houston**
Houston, Texas



**Regional Intermodal Facility,
Charlotte International Airport**
Charlotte, North Carolina

ABOUT THE RCC PAVEMENT COUNCIL



The Council is comprised of RCC contractors, equipment suppliers, materials suppliers, consultants, engineers and architects. Research and promotion are the primary objectives of the Members who strive to improve the quality of RCC pavements and expand their use in a responsible and sustainable manner.

The Council is an excellent resource to find qualified RCC Contractors, equipment, materials, and construction best practices expertise as well as resources and support to the design community. The Council collaborates closely with industry promotion and research partners including the American Concrete Pavement Association (ACPA), the Portland Cement Association (PCA), and the National Ready Mixed Concrete Association (NRMCA).

If you are interested in becoming a member, please visit rccpavementcouncil.org/membership or scan the QR code below.

