Multimodal Services for End-to-End Solutions

Our design professionals perform site feasibility assessments and provide recommendations to our clients for site selection and design. We serve clients ranging from shortline and class 1 railroads to rail-served manufacturers and industries to state transportation departments and public port authorities seeking more efficient rail facilities that will enhance their competitive position.

Representative Services
- Rail alignments
- Environmental services
- Feasibility studies
- Rail storage yards and industry access
- Track and right-of-way surveys
- Railroad operations and coordination
- Permitting services
- Intermodal planning
- Site analysis
- Utilities
- Site/civil engineering
- Stormwater management analysis and design
- Sustainable design
- Railroad bridge rating and structural engineering
- Architecture
- Building engineering

Norfolk Southern Master Services Agreement | Multiple states
Owner: Norfolk Southern Railway
Description: We are providing system-wide engineering and design services to Norfolk Southern. Task assignments recently completed or underway include new yard track and crossover in Selma, NC, replacement of the bridge over Cataqua Creek in Lehigh County, PA, conceptual engineering and definition of right-of-way needs to support new commuter rail service on the Haymarket Line in Prince William County, VA, and new crossovers and storage track in Charlotte, NC.

Chassis Depot & Container Storage Yard | Elizabeth, New Jersey
Owner: Columbia Container Services, LLC
Description: We are preparing final designs for a new chassis depot and new empty container storage yard at Port Elizabeth. The work includes terminal layout, new modular offices, and gate systems. The chassis depot will be a first step towards establishing a “grey” chassis pool in the Port of New York and New Jersey. Located close to major marine terminals, the storage yard will improve efficiency and turn times required for positioning of empty containers and chassis.

Base, Inc. Rail Storage Yard | Tulsa, Oklahoma
Owner: Base, Inc.
Description: We prepared final designs and provided construction management for new BNSF-served industry lead and four-track liquid bulk transfer yard. The project accommodates 80 rail cars on 4,100 feet of new storage tracks and provides a new 1,050-foot siding track parallel to the BNSF mainline. Our engineers worked closely with BNSF engineers in Fort Worth for approval of project design and construction.

Comprehensive Multimodal/Rail Planning Services | North Carolina
Owner: North Carolina Department of Transportation, Rail Division
Description: We are providing a variety of rail and intermodal planning services to the state’s rail division, including return-on-investment studies, intermodal and port rail planning, rail feasibility analysis, and TIGER and INFRA grant application support. Tasks include evaluation of commercial rail service on the Camp Lejeune Rail Line and Freight Transportation and master plan for the CCX Intermodal Terminal in Rocky Mount.

Tulsa Port of Catoosa | Catoosa, Oklahoma
Owner: City of Tulsa-Rogers County Port Authority
Description: Our engineers have designed much of the Port of Catoosa’s shortline railroad and rail spurs that support port industries. Significant rail projects that we have designed include new receiving tracks for BNSF-unit trains, three-track marshalling yard for interchange of SKOL trains on port property, outbound loading system for truck and rail handling of dry bulk materials, and a bulk loop track serving industries on the east side of the channel.

ABB Transformer Facility | Halifax County, Virginia
Owner: ABB
Description: Under design-build contract to JE Burton Construction, we prepared engineering and architectural designs for an 83,600-square-foot addition to the existing plant. The new addition accommodates construction and testing of large transformers. The pre-engineered structure was designed to provide rail access into the building, allowing materials and equipment to be loaded directly onto cargo beds.

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