

FREIGHT RAIL

Addressing future challenges of moving freight for clients

Michael Baker

INTERNATIONAL



100

OFFICES NATIONWIDE

75+

RAIL & TRANSIT PRACTICE EMPLOYEES

#31

2021 ENR RANKING – TOP 500 DESIGN FIRMS

We Make a Difference



MICHAEL BAKER INTERNATIONAL PROVIDES SERVICES TO CLIENTS THAT ADDRESS KEY INDUSTRY ISSUES INCLUDING:
ASSET MANAGEMENT & MAINTENANCE · CAPACITY · EMERGENCY ASSESSMENT & REPAIRS · SAFETY
STATE OF GOOD REPAIR · PLANNING & DEVELOPMENT FOR NEW PROJECTS · CONSTRUCTION MANAGEMENT

Moorman (Bellevue) Rail Yard
Bellevue, Ohio



PARTNERING WITH FREIGHT AUTHORITY AND STATE DEPARTMENT OF TRANSPORTATION CLIENTS TO UNDERSTAND THEIR UNIQUE NEEDS.

Lakefront West Corridor
Cleveland, Ohio

IDENTIFYING INNOVATIVE AND COST-EFFECTIVE SOLUTIONS THAT OPTIMIZE CLIENTS' OPPORTUNITIES FOR SUCCESS.

Nickel Plate Viaduct Rehabilitation and Span Replacement
Cleveland, Ohio



CELEBRATING 80 YEARS OF ICONIC PROJECTS.



Moorman (Bellevue) Rail Yard
Bellevue, Ohio



CAPABILITIES

- ARCHITECTURAL & MEP
- BRIDGE & STRUCTURE DESIGN
- BRIDGE REHABILITATION
- CAPACITY IMPROVEMENT
- CIVIL INFRASTRUCTURE
- CONSTRUCTION MANAGEMENT
- CONSTRUCTION INSPECTION
- DESIGN-BUILD
- EMERGENCY ASSESSMENT & REPAIR
- ENVIRONMENTAL PLANNING & PERMITTING
& NEPA DOCUMENTATION
- GEOTECHNICAL ANALYSIS & DESIGN
- HYDRAULIC ANALYSIS
- INDUSTRIAL DEVELOPMENT
- MOBILE LIDAR & UNMANNED
AIRCRAFT SYSTEMS
- OWNER'S REPRESENTATION
- PROGRAM MANAGEMENT
- PUBLIC PROJECTS
- STRUCTURAL INSPECTION & LOAD RATING
- SURVEYING
- TRACK DESIGN
- YARD & TERMINAL DESIGN

Visit mbakerintl.com/practices/rail-and-transit for more information about our capabilities and iconic projects.

CONTACT

Kirsten Bowen, P.E.
Practice Lead, Freight Rail
P: 216-776-6609
E: knbowen@mbakerintl.com



J&L Tunnel

Pittsburgh, Pennsylvania

As part of the National Gateway Clearance Improvement Program, Michael Baker provided comprehensive engineering services for the design-build reconstruction of 1,700 feet of roof to enable the increased use of double-stack trains and improve the efficiency of the rail route.

Replacement of Pin-Connected Through Truss

Bucyrus, Ohio

Michael Baker developed a solution to replace a deficient truss and bridge and erect the replacement span adjacent to the existing structure to facilitate a slide-in installation without an extended outage for the very active rail line.



Trans-Shipments Terminal Track Expansion

North Baltimore, Ohio

Michael Baker provided construction management and construction inspection services for the expansion of this trans-shipment facility, which included an extended process area and two additional wide-span cranes to increase the terminal's lift capacity by 50 percent.