

RAIL & TRANSIT ENVIRONMENTAL PLANNING

Navigating environmental complexity with sustainable,
community-focused transportation solutions

Michael Baker
INTERNATIONAL



WHO WE ARE

As an industry leader in rail and transit services, Michael Baker International understands the intricacies of moving people and goods safely and efficiently and successfully develops important modes of rail and transit transportation to meet today's challenges.

Michael Baker International delivers comprehensive environmental planning services that help rail and transit agencies navigate complex regulatory landscapes while advancing sustainable infrastructure. Our team of environmental specialists, planners, and engineers partners with clients to assess impacts, secure approvals, and implement resilient, community-conscious solutions. From National Environmental Policy Act (NEPA) documentation and environmental permitting to stakeholder engagement, we provide the insight and agility needed to keep projects moving—safely, compliantly, and responsibly.

SKILLED & QUALIFIED PROFESSIONALS

Environmental and Wetland Scientists
Noise and Air Quality Specialists
Planners
Geologists
Architectural Historians
Archaeologists
Public Engagement Specialists
Hazardous Waste Specialists

We Make a Difference



Norfolk Southern Swanton Yard

Swanton, Ohio

Michael Baker provided comprehensive design and environmental services, encompassing 11 miles of new track infrastructure. The scope included rehabilitation of a mainline bridge, extension of two major culverts, and installation of a retaining wall to minimize impacts to adjacent jurisdictional waters. Environmental deliverables comprised Section 106 studies, threatened and endangered species surveys, aquatic resource delineation, and permitting.

New Orleans Rail Gateway

New Orleans, Louisiana

Michael Baker is providing environmental and engineering services for rail and roadway improvements throughout the entire 35-mile New Orleans Rail Gateway. Studies currently underway include grade separating US 90 in Jefferson and consolidating/grade separating local roads in Avondale. Environmental services include EA preparation; air, noise, and vibration assessments; WOTUS evaluation; Phase I Environmental Site Assessment; and Phase I archaeology and historic resources surveys.



Southeast High-Speed Rail Corridor

Richmond, Virginia to Raleigh, North Carolina

Michael Baker prepared the Tier II Environmental Impact Statement and Record of Decision for the Southeast High-Speed Rail Corridor between Richmond, Virginia, and Raleigh, North Carolina. The 160-mile project extends high-speed rail from the Northeast Corridor to Charlotte, NC. Michael Baker developed the EIS, ROD, and Section 4(f) evaluation and performed public outreach, air quality and noise assessments, and natural resources investigations.



CREATE 75th Street CIP

Chicago, Illinois

As part of the Chicago Region Environmental and Transportation Efficiency (CREATE) Program, Michael Baker performed database and agency reviews, site inspections, coordination with BRC, CN, CRL, CSX, Metra, NS, and UP railroads, special waste determination per railroad protocols, and completion of Preliminary Environmental Study Assessments (PESAs) for over 17-miles of multi-track corridors in southern Chicago.

Alaska Railroad, 2023-24 Bridge Reconstruction Program

Statewide, Alaska

Under our term contract, Michael Baker provided a range of support services for multiple planned bridge replacements along the Alaska Railroad. Michael Baker provided hydrologic and hydraulic (H&H) analysis and engineering as well as wetland delineations and cultural/historic studies. We also managed subconsultant activities covering cultural/historic field surveys, geotechnical services, and track survey.



Stormwater Policy & Permit Support Services

Statewide, California

For more than 20 years, Michael Baker worked with Caltrans under a statewide on-call to provide stormwater services related to policy development, strategic planning permit implementation, total maximum daily load implementation, and continued development and refinement of Caltrans' statewide stormwater management program. We also assisted with reviews of proposed new stormwater permits and permit renewals.

CAPABILITIES

- Air & Noise
- Asset Management Planning
- Agency Strategic Plans
- Compliance Audits
- Coordinated Human Service Mobility Plans
- Corridor Studies
- Complete Streets (First Mile/Last Mile Planning)
- Cultural Resources
- Environmental Permitting
- Farmlands
- Financial Planning
- FTA New Starts/Small Starts
- Grant Applications
- Grant Management
- Habitat Evaluation & Endangered Species
- Long-Range Transit Vision Plans
- Public Engagement
- Rail Station Planning & Design
- Rail NEPA Studies (FRA)
- Ridership Forecasting
- Socioeconomics
- Statewide Rail Plans
- Statewide Transit Plans
- Transit Development Plans
- Transit Market Analysis
- Transit NEPA Studies (FTA)
- Transportation Demand Management (TDM) Planning & Program Delivery
- Wetlands & Waterways

Visit mbakerintl.com for more information about our capabilities and iconic projects.

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*Moorman (Bellevue) Rail Yard
Bellevue, Ohio*

Norfolk Southern General Engineering Contract

Systemwide

Since 2007, Michael Baker has been providing engineering and environmental services for Norfolk Southern projects throughout the Eastern and Midwestern United States. These projects have included yards and terminals, industrial sidings, track designs, bridge rehabilitations, bridge replacements, retaining wall replacements, electrical and lighting upgrades, bridge inspections and load ratings, as well as construction management and inspection services. Under this agreement, Michael Baker has delivered projects that have included technical services for all phases of project development, from preliminary engineering and environmental studies, environmental permitting, and final design to construction services and construction management. Michael Baker has also provided environmental analyses, environmental documentation, engineering, and bridge design and related services for Norfolk Southern's public projects such as the Pittsburgh Vertical Clearance Projects and Keystone West Corridor. Environmental services have included wetland and stream delineations, waterway permits, erosion and sedimentation control plans, threatened and endangered species coordination, cultural resources investigations, environmental site assessments, asbestos and lead-based paint surveys, noise and vibration analyses, public involvement, Section 4(f)/2002 evaluations, and NEPA/Pennsylvania Act 120 environmental document preparation.