

TRANSIT PLANNING

Community-centered solutions to enhance traveler and commuter experiences

Michael Baker

INTERNATIONAL



Broad Street Corridor Bus Rapid Transit System Planning
Richmond, Virginia

ABOUT US

At Michael Baker International, we pride ourselves on delivering comprehensive, full-service planning capabilities to our transit clients. With decades of experience and a proven track record, we offer a wide array of solutions that address the unique challenges of transit planning and implementation.

To ensure that each project meets the highest standards of quality and efficiency, we leverage industry best practices, the latest technology, as well as the support and resources of Michael Baker's 6,000 employees across the country.

Our team is committed to enhancing mobility, improving safety and fostering vibrant communities through our tailored transit solutions. We serve a diverse range of clients, from rural areas to bustling urban centers, ensuring that every community can benefit from our expertise. Whether it's developing a new transit system, optimizing existing services, or planning for future growth, Michael Baker is your trusted partner for comprehensive transit planning solutions.

Collaborate with us in shaping the future of transit and creating a more connected world.

We Make a Difference



Broad Street Corridor Bus Rapid Transit System Planning

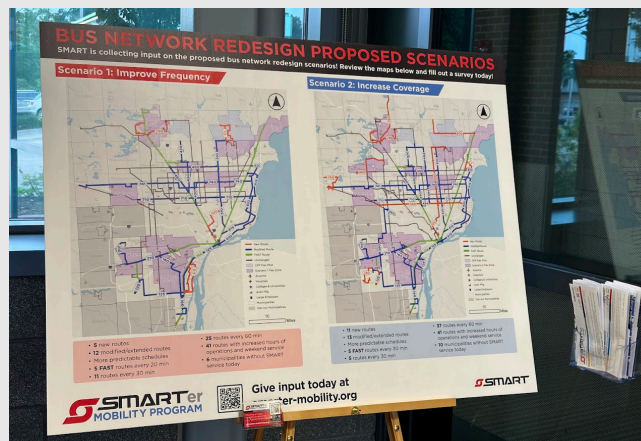
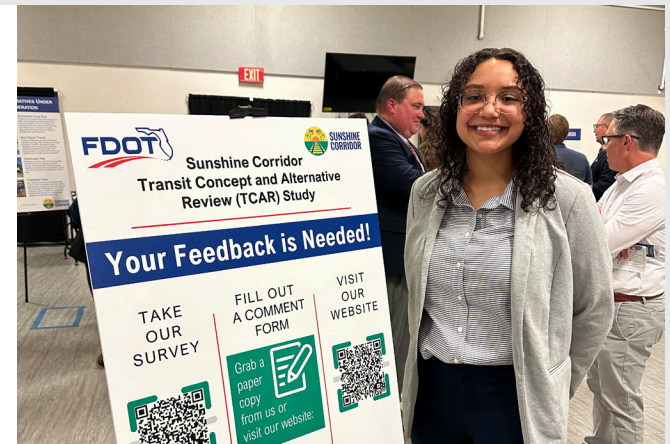
Richmond, Virginia

The Richmond, Virginia, Bus Rapid Transit (BRT) line, known as the "Pulse," is a high-quality, high-capacity system serving a 7.6-mile route along Broad Street Corridor with 14 stations. Michael Baker helped to make the system a reality, working with the Virginia Department of Rail and Public Transportation and multiple stakeholders to develop the project concept, complete planning studies and secure federal funding.

Transit and Intermodal Development

Statewide, Florida

Michael Baker is performing planning, policy, engineering and technical analysis for the Transit and Intermodal Support Contract throughout Florida. Supporting the Florida Department of Transportation, the team is providing on-site staffing to manage and administer projects, assist in technical reviews, prepare reports and graphics, and perform data collections and studies. Scheduled to be completed in 2026, the project includes statewide transit planning and asset management assessments for Marion County Transit.



SMARTer Mobility Program

Detroit Metro Area – Macomb, Oakland and Wayne Counties, Michigan

The Suburban Mobility Authority for Regional Transportation (SMART) hired Michael Baker to evaluate its fixed route, connector general service and micro transit pilot programs. The goal was to recommend service design improvements for overall system efficiency and effectiveness. Covering over 2,000 miles, SMART features 47 fixed routes and five micro-transit pilot zones. Scheduled for completion in 2026, the project will expand and refine services.



NEXTransit Long-Range Transportation Plan

Pittsburgh, Pennsylvania

Pittsburgh Regional Transit's NEXTransit Long-Range Plan, led by Michael Baker, aims to transform Allegheny County's transit network by 2045. The plan addresses market/travel demand, sustainable funding, capital and operational projects and regional partnerships. Michael Baker collaborated with stakeholders on public outreach, market analysis, investment opportunities, cost estimates and financial strategy to develop priority investments and recommendations.

Radcliff/Elizabethtown Metropolitan Planning Organization (REMPO) Public Transportation Study

Hardin and Meade Counties, Kentucky

Michael Baker crafted a dynamic plan to establish a fixed-route public transportation system for the REMPO planning area in Hardin and Meade counties. The study involved reviewing previous documents, analyzing demographics, interviewing key employers and conducting extensive public outreach, resulting in over 1,350 completed surveys. The final plan identifies potential transit routes and other system developments.

REMPO PUBLIC TRANSPORTATION STUDY

Presented by the Radcliff/Elizabethtown Metropolitan Planning Organization

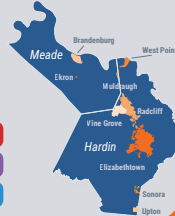
Prepared by **Michael Baker** 2024

1 Purpose of this Study

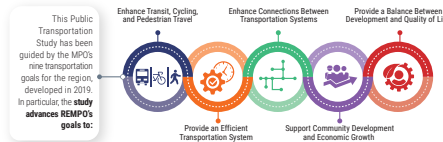
The Radcliff/Elizabethtown Metropolitan Planning Organization (REMPO) exists to meet the transportation needs in Hardin and Meade Counties. The region is diversifying and growing, which provides both a unique challenge and opportunity for REMPO to create an adaptive and inclusive plan for their future transportation needs.

The purpose of this study is to analyze the need for and feasibility of implementing a fixed-route public transportation system within the Radcliff/Elizabethtown MPO urbanized area (Elizabethtown, Fort Knox, Glendale, Radcliff, & Vine Grove), including:

1. Identifying possible locations for new bus routes and bus stops
2. Calculating potential capital and operating costs necessary for a public transportation system
3. Preparing funding scenarios to meet the local match requirement for federal funding



REMPO Regional Transportation Goals



Short Range Transit Plan (S RTP) Financial Analysis and Cost Allocation

Joshua Tree, California

Michael Baker led the development of a comprehensive funding strategy for the Morongo Basin Transit Authority's (now Basin Transit) S RTP, integrating both operations and capital planning. The team created detailed forecasts of funding sources and amounts, conducted a cash flow analysis for the preferred service plan, and authored a white paper evaluating the effectiveness of current funding streams.

CAPABILITIES

Transit Type

- Bus Rapid Transit
- Commuter Rail Transit
- Fixed Route Bus
- Light Rail Transit
- On-Demand/Micro Transit
- Paratransit
- Stations & Stops
- Streetcar

Planning & Studies

- Asset Management
- Change Management
- Client Strategic Planning
- Compliance
- Comprehensive Operational Analysis
- Corridor Studies
- Environmental Planning
- Feasibility Studies
- Fleet Analysis
- Network & Corridor Planning
- Organizational & Operational Assessments
- Organizational Assessments
- Performance Management & Benchmarking
- Policy Planning
- Preliminary Design
- Public Transportation Agency Safety Plans
- Route Design & System Redesign
- Strategic Planning
- Training & Technical Assistance
- Transit Asset Management Planning
- Transit Development Planning
- Transit Operations Planning

Economics & Finance

- Audits
- Cost Estimating
- Fare Collection
- Fare Structure Analysis
- Finance & Budgeting
- Forecasting
- Grant Assistance
- Procurement Support

Outreach

- Operator & Front-Line Employee Engagement
- Stakeholder & Public Engagement
- Surveys Training

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

CONTACT

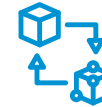
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MICHAEL BAKER IS A FULL-SERVICE FIRM SUPPORTING CLIENTS FROM PLANNING THROUGH IMPLEMENTATION. AT EVERY STAGE, OUR TRANSIT PLANNERS ARE ACTIVELY ENGAGED IN LEVERAGING TECHNOLOGY TO ENHANCE TRANSPORTATION MANAGEMENT, STREAMLINE OPERATIONS AND IMPROVE PUBLIC INFORMATION.



3D VISUALIZATION
& SIMULATIONS



DIGITAL TWINS



APP DEVELOPMENT



FARE COLLECTION



BROADBAND



GEOGRAPHIC INFORMATION SYSTEMS



BUILDING INFORMATION MODELING
(BIM) & DIGITAL DELIVERY



PROJECT CONTROLS
Cybersecurity



DATA AUTOMATION
(Artificial Intelligence/Machine Learning)



SMART MOBILITY TECHNOLOGY
(Connected, Autonomous & Electric Vehicles, Smart Cities, Electric Vertical Take-off & Landing)



SYSTEMS PLANNING
(Remix Public Transit Planning Software)



DATA COLLECTION
(High-Precision Reality Capture, Light Detection & Ranging, Unmanned Aircraft Systems, General Transit Feed Specification)



TRAFFIC MODELING

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