



# KELLY H. CORAL, RLA, LEED AP



SENIOR PLANNER

## OVERVIEW

Ms. Coral's background includes master planning for urban design projects, transit-oriented development projects, multi-modal facilities, transportation studies, and incorporation of sustainable design principles. Ms. Coral has also coordinated the public involvement process for a number of transportation projects. Her experience includes a diverse array of projects, such as: alternative analyses, grade crossing studies, corridor studies, freight market analyses, and compliance with green-building codes. Ms. Coral is an active member of WTS-Philadelphia and the United States Green Building Council (USGBC).

## TRANSPORTATION PLANNING

Ms. Coral has contributed substantially to a number of transportation planning projects, including corridor studies, non-motorized transportation analyses, freight and commuter rail studies, and grade crossing evaluations, all focused on improving the transportation system through the addition or modification of service. Ms. Coral has experience in best-practices for non-motorized transportation systems, as well as establishing performance monitoring methodology. Additionally, she has worked on context-sensitive design solutions for transportation projects, including ensuring compliance with High Performance Building Criteria at transportation stations. Ms. Coral is experienced in preparing transportation planning documents in compliance with the Federal Transit Administration's Planning and Project Development process, including establishing a viable set of alternatives for analysis. She has also performed market and economic evaluations for transportation hubs, evaluating the market need for a select transportation improvement project and determining whether the cost benefit warranted the initial capital investment.

## TRANSIT STUDIES

Ms. Coral has also worked on several transit studies, including the evaluation of existing service to determine if service capacity is adequate to accommodate transit demand, evaluating the feasibility of expanding commuter rail service in the northern Virginia region, evaluating the location for a maintenance facility needed for the extension of light rail service in the Boston region. She has also worked with transit agencies to prepare procurement documents in search of a new service operator. Ms. Coral has also been involved in smaller-scale evaluations of a region's entire transportation system to determine if existing transit, motorized and non-motorized, is adequate to service the region on a seasonal basis.

## PUBLIC OUTREACH

Nearly every transportation planning and transit project that Ms. Coral has worked on included some level of public involvement and outreach. Her role in this area has ranged from establishing an initial stakeholder contact list and providing input for the project website development, to coordinating and facilitating small group stakeholder meetings, as well as large public workshop meetings. This includes preparing materials for distribution at meetings, completing project posters for display during meetings, preparing presentations for meetings, and answering questions during these meetings.

## EDUCATION

- Master of Landscape Architecture, 2004, University of Florida
- B.S. Biology, 2000, University of North Florida (Magna Cum Laude)

## PROFESSIONAL AFFILIATIONS

- WTS – Boston
- WTS – Philadelphia
- USGBC LEED AP
- Registered Landscape Architect
- CLARB Certified

## YEARS EXPERIENCE

- <1 Year with firm
- 8 Years in industry





## PROJECT EXPERIENCE

### **NJTPA PERFORMANCE RESULTS EVALUATION REPORT | NORTHERN NJ | 2010**

Ms. Coral served as a Transportation Planner for the research and writing of performance monitoring methodology for bicycle and pedestrian-focused projects conducted by the North Jersey Transportation Planning Authority (NJTPA) in the northern New Jersey area. Specifically, Ms. Coral performed best practices research for non-motorized transportation systems to determine what existing performance methodologies were being used for bicycle and pedestrian oriented transportation projects. Performance measures included in the evaluation were context-sensitive design, visual aesthetics, public health concerns, network continuity, and connectivity by mode. The performance measures and methodology are intended to serve as a guide for monitoring future federal and state-funded transportation projects. This information will be used to help guide future non-motorized transportation project decisions.

### **SUSSEX COUNTY TRANSIT DEVELOPMENT PLAN | SUSSEX COUNTY, NJ | 2010-ONGOING**

Ms. Coral served as Project Manager for FHI's role on the Sussex County Transit Development Plan, which included coordinating stakeholder and public outreach efforts for the study. The goal of the study was to examine existing transit systems in the county and determine priorities and recommendations, using stakeholder and public input as a guide. Outreach tools include establishing stakeholder meetings and preparing Fact Sheets for delivery to the public at Citizen Advisory Council meetings.

### **NEW YORK-VERMONT BI-STATE INTERCITY PASSENGER RAIL STUDY | VERMONT AND NEW YORK | 2011-ONGOING**

Ms. Coral is part of a study team seeking to identify and establish intercity passenger rail service to benefit parts of southwestern Vermont and eastern central New York that are currently un-served or underserved. Ms. Coral's efforts on this study have focused on the public involvement program. She has helped coordinate stakeholders and set up meetings to gather input from the public. Outreach tools include an interactive website to present information and gather feedback from the public. Stakeholder meetings and public workshops have been held at key milestones throughout the study, and Fact Sheets have developed for each of these meetings.

### **MDC CLEAN WATER PROJECT | HARTFORD REGION, CT | 2010-2011**

Ms. Coral was a Transportation Planner for the MDC Clean Water Projects, a coordinated, multi-phased effort whose daily work zones are posted on a Google Maps Application website developed specifically for the project. This Google Maps Application was an interactive construction alert system to notify drivers of intended detours and other road closures. Ms. Coral conducted routine analyses for the Clean Water Project to determine origin and flow of website traffic. She also prepared traffic routing survey and observation forms for all project contractors to complete. Ms. Coral compiled these forms and provided this information to others to ensure the posting of accurate detour routes on the construction alert website. She also monitored daily construction updates, ensuring these were posted on the interactive website.

### **AIR QUALITY REFERENCE MANUAL FOR TRANSPORTATION PLANNING | MARYLAND DOT | 2010-ONGOING**

Ms. Coral served as a Transportation Planner for the research, preparation, and writing of the MDOT's Air Quality Reference Manual, which is intended to provide a comprehensive outline of air quality considerations and requirements during the transportation planning process. Specific involvement included a chapter on Congestion Mitigation and Air Quality (CMAQ) Program, Climate Change, and National Environmental Policy Act (NEPA) Interrelationships. Ms. Coral also assisted in the review of the document in its entirety, ensuring its use as a resource for transportation planners throughout Maryland.

### **WEST HAVEN STATION DESIGN | WEST HAVEN, CT | 2008-2010**

Ms. Coral was Transportation Planner and LEED AP (Leadership in Energy and Environmental Design Accredited Professional) for the design of West Haven Station. She prepared objectives and accountability measures for the West Haven Station design team in Connecticut to achieve compliance with new statewide regulations on





sustainable construction. This project was the Connecticut Department of Transportation's (CDOT's) first project to comply with the state's new High Performance Building Criteria, or green design, principles. Achieving this goal involved collaborating with CDOT to determine their needs, establishing innovative methods of design, and coordinating with subconsultants to ensure that the green design principles were followed.

#### **ALTERNATIVES ANALYSIS/FEASIBILITY STUDY | GAINESVILLE-HAYMARKET, VA | 2008-2009**

Ms. Coral served as Deputy Project Manager/Transportation Planner for this proposed VRE service extension study in the northern Virginia region. She led an 18-month evaluation, based on Federal Transit Administration (FTA) funding criteria for proposed bus rapid transit and commuter rail services for the Virginia Railway Express. There were two major components to this project: the Alternatives Analysis, which served as a public document, designed to follow the FTA Planning and Project Development process and establish a viable set of alternatives for the service extension; and the Feasibility Study, which served as internal document for VRE to see the range of investment options on the corridor, ranging from a Minimum Operating Segment to a full extension to Haymarket. Key elements of both components of the project included agency coordination, discussions with Norfolk Southern, outreach to the communities along the corridor and meetings with FTA.

#### **COMMUTER RAIL/ROADWAY GRADE CROSSING IMPROVEMENTS | ASHLAND, MA | 2009-2010**

Deputy Project Manager/Transportation Planner for the Town of Ashland Grade Crossing Study. Conducted a study to evaluate two grade crossings in the heart of downtown Ashland. Established a series of grade-separation and non-grade separation options. This study is still underway and involves coordinating with local stakeholders, state agencies, and CSX. The study will recommend a series of implementable mitigation strategies and will include their estimated cost.

#### **TRACK 61 MARKETING AND ECONOMIC DEVELOPMENT STUDY | BOSTON, MA | 2009**

Ms. Coral served as Deputy Project Manager/Transportation Planner for Boston's Economic Development and Industrial Corporation's Track 61 Marketing and Economic Development Study. On a tight schedule, Ms. Coral led the preparation of a market analysis study to be used in a TIGER grant application for federal stimulus money for the reintroduction of freight transport from Track 61 into the Port of Boston. The purpose of this study was to evaluate the market need for the reconstruction of rail lines to service the Boston Marine Industrial Park (BMIP) and determine whether the job creation and economic development potential of the project warranted the capital cost investment. The study included collaborating with developers and private business owners with an interest in the BMIP, as well as other agencies and stakeholders, such as Massport and the Boston Redevelopment Authority.

#### **MBTA BEYOND LECHMERE NORTHWEST CORRIDOR | CAMBRIDGE, SOMERVILLE AND MEDFORD, MA | 2008**

Ms. Coral was a Transportation Planner for the proposed "Beyond Lechmere Northwest Corridor" transit enhancement project into East Cambridge, Somerville, and Medford, Massachusetts. Light Rail on shared route with Lowell commuter rail line was selected during the Alternatives Analysis and an Environmental Assessment. This project is currently in Preliminary Engineering.

#### **VRE PROCUREMENT FOR OPERATION AND MAINTENANCE SERVICES | NORTHERN VA | 2008**

Transportation Planner for the collaboration, writing, and preparation of procurement documents for the Virginia Railway Express (VRE) Request for Proposal for Operation and Maintenance Services. The first portion of this effort included collecting data on operational needs, followed by a series of detailed meetings to incorporate requested changes and updates.

#### **JACKSONVILLE TRANSPORTATION CENTER | JACKSONVILLE, FL | 2003-2004**

Planner on a project that involved creating a master plan for a multimodal transportation center in the La Villa District of downtown Jacksonville. Specific objectives included the expansion of the Prime Osborn Convention Center to accommodate an elevated "People Mover," an Amtrak terminal, and a Greyhound Bus terminal. The master plan also included Jacksonville Transit Authority (JTA) bus routes and stations, motor vehicle traffic and parking, and pedestrian circulation within the vicinity of the Prime Osborn Convention Center. In addition to





satisfying the goals of the Jacksonville Transit Authority, the City's Master Plan and the Downtown Development Agency also contained important master plan considerations for the Jacksonville Transportation Center.

**NORTHEAST MIAMI-DADE PASSENGER ACTIVITY CENTER | MIAMI, FL | 2004-2005**

Task Manager and Planner on a project for the Miami-Dade Transit Agency (MDTA) involving selection of a suitable site location and concept plan for MDTA's proposed Passenger Activity Center (PAC). This project involved coordinating public workshops and giving presentations on behalf of the MDTA to determine the desired elements within the PAC, as well as determine the preferred location of the PAC. Important project issues included available land for lease or purchase, accommodating the desired number of bus bays, while maintaining safe pedestrian access, and trying to incorporate the public's comments into the PAC concept plan.

**HARTLINE TRANSPORTATION GENERAL ENGINEERING CONTRACT | TAMPA, FL | 2005-2007**

Task Manager and Planner for a project for the Hillsborough Area Regional Transit Authority (HARTline). This contract included a number of small transportation planning exercises and improvements, including concept generation for new bus stations, analysis to determine preferred locations for new stations, and generation of sustainability concepts for new station prototypes.

**ADDITIONAL PROJECT EXPERIENCE**

- Greater New Haven Transit District HyRide (Hydrogen Fueled Transit Bus) Promotion (2010)
- MBTA OCCR Tie Replacement Project, Middleborough and Lakeville, MA (2010)\*
- New Hampshire-Maine Corridor Connections Study (2009-2010)\*
- Aquidneck Island (RI) Transportation Study (2010)\*
- Streetcar Phase II Steering Committee Assessment Report, Tampa, FL (2007)\*
- Railroad Square and Commercial Streetscape, New Port Richey, FL (2006-2007)\*
- Chain of Lakes Trail, Winter Haven, FL (2004-2005)\*

*\* Projects prior to joining FHI*

