

**MPO RESOLUTION #10-09**

**RESOLUTION APPROVING THE SCOPE OF WORK AND BUDGET FOR THE NW 7<sup>TH</sup> AVENUE TRAFFIC AND PEDESTRIAN STUDY**

**WHEREAS**, the Interlocal Agreement creating and establishing the Metropolitan Planning Organization (MPO) for the Miami Urbanized Area requires that the MPO provide a structure to evaluate the adequacy of the transportation planning and programming process; and

**WHEREAS**, NW 7<sup>th</sup> Avenue (SR 441) is a major arterial that runs parallel to I-95 between Golden Glades Interchange and the Health District and SR 836; and

**WHEREAS**, the federal government is planning the construction of a new immigration facility in the 7<sup>th</sup> Avenue corridor which will increase pedestrian activity, traffic and transit use within the area; and

**WHEREAS**, at the January 29, MPO Board meeting, Board Member Dorrin D. Rolle requested staff to develop a scope of work and budget to document the need for pedestrian improvements along NW 7<sup>th</sup> Avenue and NW 88<sup>th</sup> Street. In addition, the study will use the existing traffic model outputs to evaluate the impacts of proposed land use changes along the corridor, and

**NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA**, that the attached scope of work and budget for the NW 7<sup>th</sup> Avenue Traffic and Pedestrian Study is hereby approved.

The adoption of the foregoing resolution was moved by Board Member Lynda Bell. The motion was seconded by Board Member Sally A. Heyman, and upon being put to a vote, the vote was as follows:

**Chairman** Dennis C. Moss-Absent  
**Vice Chairwoman** Perla Tabares Hantman-Aye

Board Member Bruno A. Barreiro	-Aye	Board Member Barbara J. Jordan	-Absent
Board Member Lynda Bell	-Aye	Board Member William H. Kerdyk	-Absent
Board Member Matti Herrera Bower	-Aye	Board Member Joe A. Martinez	-Absent
Board Member Kevin A. Burns	-Aye	Board Member Julio Robaina	-Aye
Board Member Jose "Pepe" Diaz	-Absent	Board Member Dorrin D. Rolle	-Absent
Board Member Audrey M. Edmonson	-Absent	Board Member Marc D. Sarnoff	-Aye
Board Member Shirley M. Gibson	-Absent	Board Member Natacha Seijas	-Aye
Board Member Carlos A. Gimenez	-Absent	Board Member Katy Sorenson	-Aye
Board Member Maritza Gutierrez	-Aye	Board Member Rebeca Sosa	-Absent
Board Member Sally A. Heyman	-Aye	Board Member Javier D. Souto	-Aye

The Chairperson thereupon declared the resolution duly passed and approved this 26<sup>th</sup> day of March, 2009.

**METROPOLITAN PLANNING ORGANIZATION  
M.P.O.**

By Zainab Salim

Zainab Salim, Clerk  
MPO Secretariat



**Miami-Dade County  
Metropolitan Planning Organization (MPO)**

**Work Order # GPC III-**

**NW 7<sup>th</sup> Avenue Traffic and Pedestrian Study**

**SCOPE OF SERVICES**

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**I. OBJECTIVE**

This study would document the need for pedestrian improvements along NW 7<sup>th</sup> Avenue and to document the impacts of the proposed federal immigration facility at NW 7<sup>th</sup> Avenue and NW 88<sup>th</sup> Street. The study will also use the existing traffic model outputs to evaluate the impacts of proposed land use changes along the corridor.

**II. BACKGROUND**

NW 7<sup>th</sup> Avenue (SR 441) is a major arterial the runs parallel to I-95 between Golden Glades Interchange and the Health District and SR 836. The corridor area being studied lies between Miami Dade/ Broward County Line and SR 836. MDT Route 77, the third heaviest utilized transit route, and the NW 7<sup>th</sup> Avenue Max operate along the corridor. Land use along the corridor is mixed, with lengthy sections of single family homes, low density commercial, service oriented development and medical facilities in the health district. Recently the Department of Public Works investigated the potential for implementing a reversible flow lane through the corridor but the project was set aside because of community opposition. Currently the federal government is planning the construction new immigration facility in the corridor. This facility will increase pedestrian activity, traffic and transit use within the corridor.

**III. PREVIOUS WORK**

- Miami-Dade County CDMP
- Civic Center Streetscape Improvement (City of Miami BODR)
- NW 7<sup>th</sup> Avenue Reversible Lane PD&E
- MDT data collected
- US GAO plans for Immigration facility (availability unknown at this time)
- City of Miami NW 7<sup>th</sup> Avenue Study
- Miami Dade Transit Transit Hub plans for NW 7<sup>th</sup> Avenue and 62<sup>nd</sup> Street
- Miami Dade Planning Charette along NW 7<sup>th</sup> Avenue (in process)

## **IV. METHODOLOGY**

### **1. Task 1: Coordination**

- The Consultant, in cooperation with the MPO will form a Study Advisory Committee. The Committee will include representatives of the FDOT, Miami-Dade Public Works Department, Miami Dade Planning Department, Miami-Dade Transit (MDT), the University of Miami, Commissioner Rolle's office, the City of Miami Gardens, SR 7 Collaborative, and US GAO. The purpose of the committee will be to:
  - Help identify available data and studies
  - Coordinate with the groups they represent
  - Provide Policy Guidance
- The Consultant will resent the final results of the study to the appropriate MPO Committees.

### **2. Task 2: Existing Conditions**

- The consultant will collect all right-of-way, geometry, and traffic data developed by the Miami-Dade Public Works Department regarding NW 7<sup>th</sup> Avenue, specifically during their reversible lane study.
- The consultant will collect all data from Miami Dade Transit for Route 77 and the 7<sup>th</sup> Avenue Max. The consultant will access the 2004 CUTR data for boardings and alightings and map the level of activity at each bus stop. The data must be collected for each east-west route at the NW 7<sup>th</sup> Avenue crossing.
- The Consultant will review the plans and traffic study for the Health Center area to get existing conditions along 7<sup>th</sup> Avenue through the Health District.
- The Consultant will prepare a detailed land use map of the area within a ¼ mile radius of the proposed federal immigration facility at NW 88<sup>th</sup> Street 7<sup>th</sup> Avenue. A complete inventory of all on- and off-street parking must be undertaken. The parking inventory will include a mid-day occupancy count.
- The Consultant will collect traffic counts and turning movements at the intersection of NW 88<sup>th</sup> Street and 7<sup>th</sup> Avenue.
- The consultant will meet with the Miami-Dade Planning Department to determine all activity centers, community centers, areas of special significance along the corridor.
- The consultant will work with FDOT District 4 to obtain the latest regional transportation model results for the corridor.
- The consultant will survey sidewalk locations and widths along the corridor, as well as other pedestrian amenities. Areas of high pedestrian activity should be noted.

### **3. Task 3: Impact; of Immigration Facility**

- A.** The consultant will collect all information available regarding the proposed federal immigration facility at NW 7<sup>th</sup> Avenue and 88<sup>th</sup> Street, including total square footage, total parking, estimated employees, estimated visitors, traffic generated, exterior waiting areas, security, ground floor plazas and set-backs.
- B.** The consultant will visit existing immigration facilities and observe operating procedures and the impact on the neighborhoods.
- C.** The consultant will estimate trips generated for the facility and apply that information, along with the detailed traffic count information (collected above), and perform a micro-simulation of the area for existing conditions plus the project. The micro-simulation must include traffic access to parking.
- D.** The consultant will identify any changes in level of service at the intersections in the corridor based upon the construction of the federal immigration facility

**4. Task 4: Analysis of Pedestrian Activity and Needs**

- A.** The consultant will prepare a detailed map of pedestrian activity along the corridor including flows, major activity generators, and transit access and transfer locations. Any areas of pedestrian crowding or deficiencies will be described.
- B.** Identification of areas of heavy pedestrian activity and areas where pedestrian activity can be encouraged.
- C.** The consultant will examine the current and projected traffic volumes on the local street network within the corridor, and relate to how transit and pedestrians interact with traffic.

**5. Task 5: Examine Traffic Impacts of an Alternative Land Use/Growth Scenario along the Corridor**

The Consultant will work with Miami Dade County Department of Planning and Zoning (DPZ) to determine the estimate the traffic impacts of one (1) alternative land use/population scenario along the corridor. DPZ will provide the alternative socio-economic data for the TAZ'S along the corridor. The Consultant will use the existing SERPM model results as the basis for the analysis. The assessment of the impact will identify impacted segment of roadway, and areas where the level-of-service would change because of the alternative.

**6. Task 6: Recommendations**

Based upon the needs assessment prepared in Tasks 3, 4, and 5 the Consultant will provide a cohesive set of transportation recommendations, including;

- Necessary intersection modifications related to the traffic generated by the immigration facility
- Necessary channelization modifications necessary to access parking
- Bus stop improvements in the vicinity of the building
- Pedestrian and safety improvements in and around the planned facility
- General pedestrian guidelines for the entire corridor. The guidelines would be different for residential areas and commercial areas.
- Specific improvements in major pedestrian activity areas
- Roadway or Transit improvements required from the alternative land use scenario.

**7. Task 6: Final Report**

The Consultant shall document the results of the results of tasks 2-5 in a readable report.

**V. DELIVERABLES**

- 1.** Twenty Five (25) copies of the Final Report (full color). Pictures, charts, diagrams, maps, and tables should be included to facilitate the reading and illustrate the results of the study.
- 2.** One hundred (100) copies of the executive summary
- 3.** A Power Point Presentation with the highlights of the study.
- 4.** Any brochure or printed material that contributes to enhance the study.
- 5.** Both Reports will be also submitted in electronic format (CD) to be posted in the MPO Website and for further reproduction and distribution.

**VI. SCHEDULE**

The Consultant should complete this work in nine (9) months.

**VII. ESTIMATED COST**

The estimated budget for this study is from 85,000 to \$90,000 including 10% for contingencies.