

**MPO RESOLUTION #04-09**

**RESOLUTION APPROVING THE SCOPE OF WORK AND BUDGET FOR THE US-1/SR 878 INTERSECTION SUB-AREA TRAFFIC STUDY**

**WHEREAS**, the traffic conditions in the Dadeland area roadways have consistently operated at deficient levels of service; and

**WHEREAS**, the subject corridor serves as a connecting conduit for several expressways and major arterials; and

**WHEREAS**, increase development along the US-1/Metrorail corridor will further create additional demand upon these facilities; and

**WHEREAS**, the intersections between SR 878 and US-1 represents the convergence of two major travel markets in the attempt to reach major destinations in Central Miami-Dade; and

**WHEREAS**, the objective of the proposed study is to develop strategies to alleviate the traffic congestion resulting from the SR 878 interchange with US-1 by evaluating current and future traffic conditions at the immediate and surrounding areas,

**NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA**, that the attached amended scope of work and budget for the US-1/SR 878 Intersection Sub-Area Traffic study is hereby approved.

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

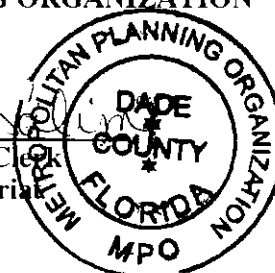
**Chairman** Bruno A. Barreiro-Aye  
**Vice Chairwoman** Barbara J. Jordan-Aye

Board Member Lynda Bell	-Aye	Board Member Joe A. Martinez	-Absent
Board Member Matti Herrera Bower	-Aye	Board Member Dennis C. Moss	-Aye
Board Member Kevin A. Burns	-Aye	Board Member Julio Robaina	-Aye
Board Member Jose "Pepe" Diaz	-Aye	Board Member Dorrin D. Rolle	-Absent
Board Member Audrey M. Edmonson	-Aye	Board Member Marc D. Sarnoff	-Absent
Board Member Shirley M. Gibson	-Aye	Board Member Natacha Seijas	-Absent
Board Member Carlos A. Gimenez	-Aye	Board Member Katy Sorenson	-Aye
Board Member Perla T. Hantman	-Aye	Board Member Rebeca Sosa	-Aye
Board Member Sally A. Heyman	-Absent	Board Member Javier D. Souto	-Aye
Board Member William H. Kerdyk	-Absent		

The Chairperson thereupon declared the resolution duly passed and approved this 29<sup>th</sup> day of January, 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 – 37**

**US 1/SR878 INTERSECTION SUB-AREA TRAFFIC STUDY**

**SCOPE OF SERVICES**

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**I. OBJECTIVE**

The objective of this study is to develop strategies to alleviate the traffic congestion along US-1 in the vicinity of SR878 interchange by evaluating current and future traffic conditions at the immediate and surrounding areas. The study area consists of an approximate 2-mile stretch of the US 1 corridor from the SR826 (Palmetto Expressway) to SW 57<sup>th</sup> Avenue (Red Road).

**II. PREVIOUS WORK**

All previous studies related to the sub-area will be reviewed. Such studies include the Arterial Grid Study, South Dade Managed Use Lanes, US 1 Reversible Lanes Study, MDX Master Plan, Kendall Link Study, Downtown Dadeland Charrette and other pertinent studies. The study team will also document planned roadway improvements in the study area.

**III. BACKGROUND**

US1 is a State principal arterial roadway serving the South Miami-Dade region pertinent to the proposed study. SR 878 is a Miami-Dade Expressway (MDX) facility that links SR 874, which serves the Southwest Miami-Dade region, to the US1 corridor. The intersection between SR 878 and US1 represents the convergence of two major travel markets in the attempt to reach major destinations in Central Miami-Dade. As a result the proximate segments of US1 to this interchange experience great vehicular demand with high degradation of roadway level of services. Adding to the complexity is the fact that the study area is a destination point itself containing major employment/retail centers and the two busiest park-ride stations along the Metrorail system.

The work to be conducted in this study will include developing a set of strategies and alternatives including transit, transportation demand management (TDM), roadway improvement options to improve traffic flows along the US1 corridor at and near the SR878 intersection.

## **IV. METHODOLOGY**

### **A. Study Management and Coordination**

1. Preparation of monthly status reports
2. Coordination with Miami-Dade County Department of Planning and Zoning, Public Works Department (PWD), Miami-Dade Transit, Miami-Dade Expressway Authority (MDX), Florida Department of Transportation (FDOT) will take place through periodic presentations to the Transportation Planning Technical Advisory Committee (TPTAC).
3. Additional coordinating meetings with stakeholder agencies/committees, groups or individuals in the area will be held.

### **B. Data Collection and Traffic Assessment**

1. Obtain information regarding:
  - a) Existing traffic count data for sub-area,
  - b) Intersection movement data for the SR 878 and US1 and any other available turning movement data available for the sub-area,
  - c) Roadway and transit improvements,
  - d) Future (approved residential, office and commercial) developments in the sub-area including those within the Downtown Kendall Urban Center District.
  - e) Existing Roadway characteristics and adopted Level of service standards,
  - f) Conduct field inspections to evaluate and confirm existing conditions,
  - g) Review existing roadway and transit service conditions in the study area.
2. Conduct Traffic Analysis:
  - a) Perform system evaluation, identify segment deficiencies and present results in a matrix.
  - b) Perform travel profile analysis through select link analysis or other suitable methods.
  - c) Develop a corridor traffic simulation for the sub-area to evaluate strategies.

### **C. Traffic Assessment and Recommendations**

1. Review future roadway conditions utilizing results from the Long Range Plan travel demand model to determine changes in travel patterns.
2. Develop and evaluate strategies to reduce congestion along this critical segment of US1. Strategies may include roadway improvements, signal optimization, demand management, increased Metrorail ridership and other multimodal elements.
3. Propose and prioritize potential improvements to reduce traffic congestion and improve mobility in the study area.

4. The consultant will provide the estimated costs and benefits for the recommended strategies.

## **V. PREPARATION AND PRESENTATION OF RESULTS**

The consultant will prepare various technical memorandums for each major study element as noted in the methodology section. A final report shall be prepared documenting all study tasks and shall be provided both electronic and hard-copy formats. Ten hard copies shall be provided. The consultant will be prepared to present the full range of recommended strategies to the various technical committees of the MPO, as well as the MPO Governing Board and Board of County Commissioners.

## **VI. SCHEDULE**

The consultant should complete this work within five months of a notice-to-proceed.

## **VII. BUDGET**

The study budget shall not exceed \$65,000.00 inclusive of a 10% contingency.