

Memorandum



Date: July 20, 2010

To: Honorable Chairman Dennis C. Moss
and Members, Board of County Commissioners

Agenda Item No. 12B1

From: George M. Burgess
County Manager

Subject: Report Providing an Analysis of Current Expenditure of Toll Revenue Generated at the Rickenbacker Causeway and Proposed Work Plan Allocating 25 Cents of Every Toll Collected to Proposed Projects Promoting Pedestrian and Bicyclist Safety

At the March 2, 2010, Board of County Commissioners (BCC) meeting, Resolution No. R-255-10 was approved directing the Mayor or the Mayor's designee to conduct an analysis of the current expenditure of toll revenue generated at the Rickenbacker Causeway (Causeway) and to develop a work plan within 90 days allocating 25 cents of every toll collected to projects promoting pedestrian and bicyclist safety along the Causeway to be submitted to the BCC for its approval. The Miami-Dade County Public Works Department (PWD) manages the toll facility/operations for the Causeway and has prepared the following information.

Pursuant to the BCC's request, PWD has included an analysis of the current expenditure of toll revenue (Attachments 1 & 2) and a Work Plan allocating 25 cents of every toll. Based on traffic projections, it is estimated that 25 cents from each toll collected would result in the following amounts per fiscal year that will provide funding for pedestrian and bicyclist safety projects along the Causeway. A summary and description of the proposed projects has also been included below.

The 25 cents allocated per toll would result in the following estimated amounts per fiscal year for the next five (5) years:

FY 10-11	\$875,000
FY 11-12	\$883,750
FY 12-13	\$892,588
FY 13-14	\$901,513
FY 14-15	\$910,529

The proposed projects listed below are all pedestrian/bicycle safety oriented improvements for the Causeway and would be funded through the use of the 25 cent allocation of every toll collected.

Summary of Projects:

FY 10-11

Hobie Island Signalized Pedestrian/Cyclist Crossing and Turnaround \$630,000

Description: Design and install a cyclist/pedestrian traffic light crossing at Hobie Island (Windsurfer Beach). The installation of a traffic light, striping, and signage will allow cyclists to turn from Eastbound to Westbound prior to reaching the toll plaza.

Rickenbacker Speed Limit Study \$ 5,000
Description: PWD will conduct and evaluate results of speed study in order to determine whether the speed limits need to be modified and implement necessary signage changes.

Permanent "Vehicle Speed" Information Signs \$ 80,000
Description: Install permanent "Your Speed" information signs/speed radar light boards along causeway, to alert vehicles to their traveling speeds.

Improvements to Roadways Leading into Toll Plaza Phase 1 \$160,000
Description: Modify lanes leading into the toll plaza on SE 26 Road/Rickenbacker Causeway from Brickell Avenue through the toll facility to Hobie Island, to accommodate and improve access to bicycle lanes.

Total expenditures: \$875,000

FY 11-12

Improvements to Roadways Leading into Toll Plaza Phase 2 \$376,000
Description: Modify lanes leading into the toll plaza on SE 26 Road from Brickell Avenue to South Miami Avenue, and on South Miami Avenue from US 1 to S 25 Road, to accommodate bicycle lanes.

Crandon Boulevard Lane Modification Phase 1 \$507,750
Description: Re-design width, and restripe Crandon Boulevard vehicle travel lanes, from the east end of Bear Cut Bridge to the Village limits, inbound and outbound (north/south side), widen existing width of the dedicated bike path.

Total expenditures: \$883,750

FY 12-13

Crandon Boulevard Lane Modification Phase 2 \$492,250
Description: (Continued) Re-design width, and restripe Crandon Boulevard vehicle travel lanes, from the east end of Bear Cut Bridge to the Village limits, inbound and outbound (north/south side), widen existing width of the dedicated bike path.

Bicycle/Pedestrian Lane Mod West Bridge to Brickell Avenue \$400,338
Description: Re-design, widen, stripe, and sign the existing ped-path/bike lane beginning at the north side (outbound travel) of the West Bridge bike underpass (along condominium wall/I-95 north/south flyover ramp) to Brickell Avenue.

Total expenditure: \$892,588

FY 13-14

Bicycle/Pedestrian Lane Mod West Bridge to Brickell Avenue \$99,662
Description: (Continued) Re-design, widen, stripe, and sign the existing ped-path/bike lane beginning at the north side (outbound travel) of the West Bridge bike underpass (along condominium wall/I-95 north/south flyover ramp) to Brickell Avenue.

Multi-Use Path along North Side of Rickenbacker Causeway on Virginia Key \$450,000
Description: Provide multi-use trail along north side of causeway from Bear Cut Bridge to William Powell Bridge. Cyclists can use Mast Academy signal to cross causeway, then use aforementioned path to reach Sewer Beach Road.

Pedestrian/Bicycle Grade Separation across the Causeway \$351,851
Description: Perform a study to evaluate the best location for a pedestrian/bicyclist grade separation from motor vehicles across the Causeway; Design and construct.

Total expenditure: \$901,513

FY 14-15

Pedestrian/Bicycle Grade Separation across the Causeway \$910,529
Description: (Continued) Perform a study to evaluate the best location for a pedestrian/bicyclist grade separation from motor vehicles across the Causeway; Design and construct.

Total expenditure: \$910,529

Additional projects to be identified in future reports to utilize available funding. Thereafter, PWD will submit to the BCC an Annual Work Plan for its approval setting forth the specific expenditures to be made in accordance with the aforementioned Resolution.


Assistant County Manager