VILLAGE OF KEY BISCAYNE

Village Council
Mayra P. Lindsay, *Mayor*
Franklin H. Caplan, *Vice Mayor*
Luis F. de La Cruz
Theodore Holloway
Michael E. Kelly
Edward London
James Taintor

DATE: May 28, 2015

TO: Honorable Mayor and Members of the Village Council

FROM: John C. Gilbert, Village Manager

RE: McIntyre Street Traffic Closure Traffic Study: Crandon Blvd. to Village Green Way

RECOMMENDATION

It is recommended that the Village Council authorize the Administration to spend up to $22,600 to perform a traffic study regarding the closure of McIntyre St. from Crandon Boulevard to Village Green Way.

BACKGROUND

On May 12, 2015, the Village Council requested that the Administration conduct a traffic study to determine the impact on surrounding streets if McIntyre St. from Crandon Boulevard to Village Green Way was closed. The Corradino Group, who is preparing the Mobility Study, submitted the attached scope of services with a fee of $23,500. Funding for the study is available from the Citizens Independent Transportation Trust (CITT).

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MISSION STATEMENT: "TO PROVIDE A SAFE, QUALITY COMMUNITY ENVIRONMENT FOR ALL ISLANDERS THROUGH RESPONSIBLE GOVERNMENT."
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THE CORRADINO GROUP, INC.

CORRADINO

ENGINEERS · PLANNERS · PROGRAM MANAGERS · ENVIRONMENTAL SCIENTISTS

May 14, 2015

Jud Kurlancheek, AICP
Village of Key Biscayne
Public Works Department

Dear Mr. Kurlancheek:

Scope of Services / Price Proposal
McIntyre Street Closure Traffic Impact Study Methodology

Introduction / Project Location

The Village Council has requested a traffic study to determine the impact of closing McIntyre Street from Crandon Boulevard to Village Green Way. The scope of this work order will include professional engineering services for traffic data collection and analyses to prepare a report for the proposed McIntyre Street Closure Feasibility Study.

The purpose of this study is to evaluate the impacts of the proposed permanent closure of McIntyre Street between Crandon Boulevard to Village Green Way. McIntyre Street, Fernwood Road, Enid Drive and Glenridge Road are local streets whereas Crandon Boulevard is an urban collector roadway. Bordering the study area is Key Biscayne Community School surrounded by McIntyre Street, Glenridge Road, Enid Drive and Ridgewood Road. The school pick up / drop off traffic moves in a clockwise motion around the school with locations along McIntyre Street, Ridgewood Road and Glenridge Road. This study will focus on the impact of the proposed closure on the residents and pick up/drop off accessibility for the school traffic and the Winn Dixie loading zone.

The study shall be conducted by an engineer with expertise in traffic engineering and licensed in the State of Florida and in accordance to standard traffic study guides and practice. This scope of work will be executed with approval from the Village in consultation with the Miami-Dade County Public Works Department (MDCPW) Traffic Engineering Division, both agencies respective Traffic Calming/Street Closure Manuals and includes the following tasks:

TASK 1: Data Collection

The traffic study will evaluate nine (9) intersections in the immediate vicinity of the project. Traffic counts will be collected at these intersections during the AM peak (7-9 AM) and PM peak (4-6 PM) period for the area near the project site. These intersections are:

- Grand Bay Drive/Village Green Way and Crandon Boulevard
- McIntyre Street/Galen Drive and Crandon Boulevard
- Sunrise Drive/Enid Drive and Crandon Boulevard
- McIntyre Street and Village Green Way
- McIntyre Street and Fernwood Road
- McIntyre Street and Glenridge Road
- Enid Drive and Village Green Way
- Enid Drive and Fernwood Road
- Enid Drive and Glenridge Road

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TASK 2: Meetings

Corradino will meet with Miami Dade County (MDC) and Village for up to two meetings (including one Council Hearing meeting). Additional meetings will be charged separately on an hourly basis. The scope may be modified to include additional tasks if MDC makes a request. Any additional tasks will be considered as an extra cost to be added separately to the scope. The following hourly rates will be used:

- Joseph M. Corradino, President ($200 per hour)
- Salman Rathore , Project Manager/Traffic Engineer ($125 per hour)

TASK 3: TRAFFIC ANALYSIS

Based on the data collected in Task 1, Corradino shall develop analyses for each of the following scenarios:

1. Existing Conditions (year 2015)
2. With Proposed Street Closure (year 2015)

- Existing traffic signal timing data will be collected from MDC website and traffic counts, FDOT historic counts and PSCF will be included in the appendix of the traffic study.

- The traffic study will address any anticipated / proposed impacts onto the existing on-street vehicular parking, if applicable.

- Intersection capacity/LOS analysis will be performed following the HCM 2010 methodology and using the latest version of Synchro / SimTraffic or HCS software. Such analysis will provide the results for the Level of Service (LOS), volume to capacity ratio (V/C) and other outputs such as Queue Lengths and Vehicular Delay.

TASK 4: PREPARE AND SUBMIT DRAFT REPORT

A draft report will be submitted to the Village with a summary of all the tasks completed to do this work. The draft report shall also include all the data collected as part of the appendix of the document, as well as the drawings/sketches and results developed as part of Task 3.

TASK 5: FINAL REPORT

Upon comments received from the Village staff (if any) for Task 4, a final technical report will be prepared and submitted to the Village. The final report shall include hardcopy and electronic copies of the drawings/sketches. Three copies of the report and an electronic version in a CD (including the appendix) shall be submitted.

This traffic impact study can be completed for a cost of $22,600. This cost includes all background review, traffic counts, analysis, inter-departmental coordination and meetings. The traffic impact analysis can be completed within 8 weeks of notice to proceed.

The project location is provided in the figure below.

The Village will provide Corradino with information regarding the subject project.

Sincerely,
THE CORRADINO GROUP, INC.

Joseph M. Corradino, AICP
President

If you should like to proceed with this effort please sign below and return to The Corradino Group.

Agreement Submitted By: _____

Joseph M. Corradino, AICP
THE CORRADINO GROUP, INC

DATE 5-14-2015

Agreed To By: _____

Jud Kurlancheek, AICP
Village of Key Biscayne

DATE 5-14-2015