

MEMORANDUM

Agenda Item No. 11(A)(2)

TO: Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

DATE: April 8, 2014

FROM: R. A. Cuevas, Jr.
County Attorney

SUBJECT: Resolution directing the County Mayor to conduct a study, in coordination with all Miami-County Departments involved in public improvements and having capital projects, industry professionals, regarding the effective use of geographic information consultants and engineers in connection with all public improvements and capital projects of the county and prepare a report for this Board within 90 days

The accompanying resolution was prepared and placed on the agenda at the request of Prime Sponsor Commissioner Bruno A. Barreiro.



R. A. Cuevas, Jr.
County Attorney

RAC/lmp



MEMORANDUM

(Revised)

TO: Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

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Please note any items checked.

- _____ "3-Day Rule" for committees applicable if raised
- _____ 6 weeks required between first reading and public hearing
- _____ 4 weeks notification to municipal officials required prior to public hearing
- _____ Decreases revenues or increases expenditures without balancing budget
- _____ Budget required
- _____ Statement of fiscal impact required
- _____ Ordinance creating a new board requires detailed County Mayor's report for public hearing
- _____ No committee review
- _____ Applicable legislation requires more than a majority vote (i.e., 2/3's _____, 3/5's _____, unanimous _____) to approve
- _____ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 11(A)(2)

4-8-14

RESOLUTION NO. _____

RESOLUTION DIRECTING THE COUNTY MAYOR TO CONDUCT A STUDY, IN COORDINATION WITH ALL MIAMI-DADE COUNTY DEPARTMENTS INVOLVED IN PUBLIC IMPROVEMENTS AND HAVING CAPITAL PROJECTS, INDUSTRY PROFESSIONALS, REGARDING THE EFFECTIVE USE OF GEOGRAPHIC INFORMATION CONSULTANTS AND ENGINEERS IN CONNECTION WITH ALL PUBLIC IMPROVEMENTS AND CAPITAL PROJECTS OF THE COUNTY AND PREPARE A REPORT FOR THIS BOARD WITHIN 90 DAYS

WHEREAS, Miami-Dade County annually undertakes many public improvements including, but not limited to, constructing and repairing buildings, bridges, water and sewer lines, parking lots and garages, streets, traffic signals, water and sewage facilities, and other capital projects ("Capital Projects"); and

WHEREAS, Miami-Dade County sometimes lacks updated, accurate information regarding the precise location of underground utilities including water and sewer lines, telecommunications lines, power lines, gas lines, and other underground infrastructure ("Underground Information"); and

WHEREAS, by Resolution R-431-13, Miami-Dade County through its Seaport Department entered in a contract with Woolpert, Inc., a Geographic Information Survey ("GIS Information") consultant, to provide Underground Information to the Seaport in connection with improvements planned to be constructed at the Port of Miami ; and

WHEREAS, Miami-Dade County is under a federal mandate to repair and/or replace certain sewer and water lines owned by the County; and

WHEREAS, GIS Consultants provide GIS Information at four differing degrees of cost and accuracy (collectively “GIS Service Levels”); and

WHEREAS, at times, the high density and congestion of subsurface utilities, or the presence of critical utility infrastructure, in areas such as downtown intersections, business districts, and heavily developed areas in the County, may make a determination of horizontal field identification desirable, using Subsurface Utility Engineering (“SUE”) in accordance with standards of the American Society of Civil Engineers Standards, such as CI/ASCE 3-02. Typically, the SUE standards require the use of three dimensional Radar Tomography (“SUE Standard B”), or, if conflicts between planned projects and existing utilities are known to be present, non-mechanical excavation techniques, such as hand digging and vacuum extraction, (“SUE Standard A”) may be utilized; and

WHEREAS, this Board finds it to be in the best interest of the County to study the utilization of GIS consultants to provide Underground Information in connection with Capital Projects in order to minimize construction disruptions and additional costs caused by having outdated and inaccurate Underground Information,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that:

Section 1. The foregoing recitals are incorporated in this Resolution and are approved.

Section 2. This Board finds that the use of surveys by GIS consultants on appropriate Capital Projects to be in the best interest of the County.

Section 3. This Board directs the County Mayor to work with County engineering and other technical staff in County Departments, as well as GIS professionals in the private

sector, to (1) conduct a study to determine (a) when it is economically efficient to use GIS consultants to obtain Underground Information, and (b) what GIS Service Level and/or SUE Service Level is appropriate considering all relevant factors including, but not limited to, the Project's overall estimated cost, the costs of the differing GIS and/or SUE Service Levels, the time needed to complete the Project, the quality and date of any as-built or other drawings the County may already have, and the density and complexity of any surrounding development, and to (2) draft a report to be given to this Board within 90 days of the effective date of this Resolution disclosing the results of the study.

The Prime Sponsor of the foregoing resolution is Commissioner Bruno A. Barreiro. It was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

Rebeca Sosa, Chairwoman

Lynda Bell, Vice Chair

Bruno A. Barreiro

Jose "Pepe" Diaz

Sally A. Heyman

Jean Monestime

Sen. Javier D. Souto

Juan C. Zapata

Esteban L. Bovo, Jr.

Audrey M. Edmonson

Barbara J. Jordan

Dennis C. Moss

Xavier L. Suarez

The Chairperson thereupon declared the resolution duly passed and adopted this 8th day of April, 2014. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Richard C. Seavey