



**CITY OF DANIA BEACH
COMMUNITY DEVELOPMENT DEPARTMENT
STAFF REPORT**

DATE: January 24, 2012
TO: Robert Baldwin, City Manager
FROM: Robert Daniels, Director *Robert Daniels*
SUBJECT: **Contract Amendment No. 5 Kimley-Horn & Associates**

Kimley-Horn and Associates, the consultant that is providing planning and engineering services relating to the US 1 – FEC Bridge Implementation Plan has submitted a proposal for a fifth amendment to its contract with the City. The consultant contract has been amended four times. A history of amendments is included below.

- Amendment 1 was approved on April 6, 2010 for \$16,500. It expanded the contract to include provision of consulting services in proposing an amendment to the Broward County 2035 Long Range Transportation Plan (LRTP) to include an anchor hub within the City and to include the US 1 bridge at the Dania Cut-off Canal in the illustrative section of the LRTP.
- Amendment 2 was approved on August 28, 2010 for \$5,200. It provided for additional services as requested by the Florida Department of Transportation (FDOT) regarding issues raised by the Broward County Metropolitan Planning Organization (MPO) during the LRTP amendment process.
- Amendment 3 was approved on September 28, 2010 for \$59,200.00 . It provided for the preparation of cost estimates for the US 1 bridge and Florida East Coast (FEC) rail bridge over the Dania Cut-off Canal and a concept plan for the proposed FEC rail bridge over the Dania Cut-off Canal.
- Amendment 4 was approved on August 10, 2011. It authorized the use of funds allocated for amendment 3 to assist in the preparation of an Economic Development Administration (EDA) grant application to fund a Project Development and Environment Study for the US-1 and FEC rail bridges across the Dania Cut-off Canal.

Expenditures on amendments 3 and 4 totaled \$25,067.41, leaving an unspent balance of \$34,132.59. In November, 2011 the EDA notified the City that its grant application was not approved. Additional funding will now be necessary to complete the tasks outlined in Amendment 3, i.e., preparation of the concept study and opinion of cost and coordination with FEC. The consultant has proposed a fifth amendment to reauthorize those services for a cost of \$20,314.00.

STAFF RECOMMENDATION

Approval

October 17, 2011

■
1920 Wekiva Way
Suite 200
West Palm Beach
Florida 33411

Mr. Colin Donnelly
Assistant City Manager
City of Dania Beach
100 W. Dania Beach Blvd.
Dania Beach, FL 33004

Mr. Jeremy Earle, ASLA, AICP
Executive Director of the CRA
City of Dania Beach
100 W. Dania Beach Blvd.
Dania Beach, FL 33004

Re: Reauthorization of the Implementation Plan for Dania Beach Bridges
Supplemental Information on the Previous Authorization

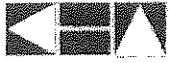
Dear Mr. Donnelly and Mr. Earle:

The City of Dania Beach had previously authorized Kimley-Horn to utilize the funds allocated for "Amendment 3 dated August 25, 2010, concerning the Implementation Plan for Dania Beach Bridge Projects" to assist the Client in preparation of an EDA grant application to perform a Project Development and Environment (PD&E) Study for the US-1 and FEC Rail bridges over the Dania Cut-off Canal in Dania Beach through "Amendment 4 dated April 7, 2011" and attendance and preliminary research for the City's Transportation Symposium conducted on August 11, 2011.

Following the Transportation Symposium, the Client requested that the Scope of Services previously authorized under Amendment 3 be continued and a revised scope for additional funds be submitted to the City.

Accordingly, please find attached a Scope of Services to perform the tasks previously authorized under Amendment 3 plus certain additional items that were identified as a result of the Transportation symposium. This memorandum provides the supplemental information necessary to review the Amendment Number 5 concerning the Reauthorization of the Implementation Plan for Dania Beach Bridge Projects.

Provided below is an update of the status of each of the tasks authorized under Amendments 3 and 4 (combined) and the amount invoiced until September 30, 2011.



Task 1 - Concept Study for US 1 and FEC Rail Bridges

Description of Tasks Completed:

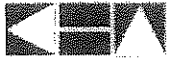
The Consultant prepared bridge profiles for the US 1 and FEC bridges after obtaining FDOT's and FEC's design criteria. The consultant also coordinated with the FDOT Aviation Department to obtain information on airport expansion plans and verified the US-1 bridge footprint with the proposed Hollywood International Airport expansion plans. The Consultant also performed a quality control evaluation of the horizontal and the vertical alignment of the two bridge plans and profiles. In addition, the Consultant prepared preliminary profiles of varying grades for US-1 and FEC bridges to evaluate preliminary feasibility of bascule vs. fixed bridges and presented the results at a transportation symposium on August 11, 2011.

Expended Effort:

\$ 9,650.23

Original Scope (from Amendment 3):

The Consultant will prepare a Concept Study for the US 1 and FEC rail bridges to analyze the possible design and construction options for the two bridges. The Concept Study will serve as the preliminary step before undertaking a Project Development and Environment (PD&E) Study for the two bridge projects and will provide preliminary engineering concepts to continue coordination with FDOT and FEC. The Concept Study will evaluate bridge alternatives including fixed bridge with variable grade options and movable bridge. The Concept Study will contain the design criteria, design concepts, engineering and structural concepts, and conceptual plans, profiles, and, typical sections. The Concept Study will also contain a preliminary alternative evaluation matrix that will provide a comparison of the alternatives for engineering, social, cultural and environmental factors. The Concept Study will be summarized in a report that will describe the various alternatives; design and structural concepts; potential physical, social and environmental impacts of the alternatives; a conceptual maintenance of traffic report describing measures that may be implemented during bridge construction; alternatives analysis; and the recommended plan of action for advancing the US 1 and FEC Rail Bridge projects into the PD&E Study phase.



Task 2 – Conceptual Opinion of Cost for US 1 and FEC rail bridges

Completed Tasks:

None

Expended Effort:

\$ 0

Original Scope (from Amendment 3):

The Consultant will prepare conceptual opinion of cost for the proposed US 1 and FEC rail bridges over the Dania Cut-off Canal. The conceptual opinion of cost will be prepared for up to a total of six bridge options – movable bridge and fixed bridge with variable grade options. The conceptual opinion of cost will contain the following components:

- *Construction costs (including roadway and structural costs)*
- *Design and permitting costs*
- *Maintenance of Traffic costs including any temporary bridges that may be required*
- *Project Development and Environment (PD&E) Study Costs*

The conceptual opinion of cost will not include any right-of-way costs that may be associated with the projects.

Task 3 – Coordination with FEC

Completed Tasks:

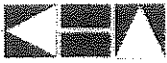
The Consultant conducted initial coordination with FDOT to obtain design criteria for bridges and structure.

Expended Effort:

\$ 574

Original Scope (from Amendment 3):

As part of the Concept Study, the Consultant will initiate coordination with the Florida East Coast Railway to obtain FEC's feedback on the design alternatives and determine acceptable grade options for the rail bridge. As part of the task, the Consultant along with City representatives will conduct one face-to-face meeting with FEC staff in their Jacksonville office. Subsequent coordination will occur by phone or e-mail. If required, additional in-person meetings will be scheduled with FEC as additional services, upon approval by the City.



Task 4 - Meetings

Completed Tasks:

The Consultant conducted two meetings each with the client and the FDOT in addition to two conference calls to discuss project progress and next steps.

Expended Effort:

\$ 2,843.18

Original Scope (from Amendment 3):

The Consultant will attend up to three (3) meetings and/or presentations with the City staff and elected officials through the course of the project.

Task 5 - EDA Grant Application

Completed Tasks:

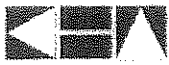
The Consultant prepared the EDA grant application in accordance with Amendment 4 to the contract.

Expended Effort:

\$ 12,000

Original Scope (from Amendment 4):

The Consultant will assist with preparation of Questions 2, 7, and 9 of the EDA Grant Application which relates to preparation of the project scope of work, schedule, and the qualifications of the design team. In addition, the Consultant will collect data and prepare a write up of the Riviera Beach Maritime Institute and how a similar educational institute could be set up within the City of Dania Beach. The above indicated sections of the EDA grant application will be prepared and provided to the Client and Alcalde & Fay for review. The Consultant will prepare up to two rounds of revisions as directed by the Client. The Consultant will be available to assist with other sections of the application as directed by the Client. However, those sections will be performed as additional services. The Consultant will be available to attend up to four (4) conference calls, and two (2) meetings/presentations as directed by the City.



Below is a summary of the originally authorized fee for Amendments 3 and 4, and the effort expended until September 30, 2011. The remaining budget is \$34,132.59.

Tasks	Amendment 3 Original Fee Estimate	Remaining Budget on 02/28/2011	Amendment 4 Fee Estimate	Remaining Budget on 05/31/2011	Transportation Symposium Effort	Remaining Budget on 09/30/2011
Task 1 - Concept Study	\$ 36,600	\$28,878		\$16,878	\$2,814.59	\$14,063.41
Task 2 - Cost Estimates	\$ 9,600	\$9,600		\$9,600		\$9,600
Task 3 - Coordination with FEC	\$ 8,200	\$7,626		\$7,626		\$7,626
Task 4 - Meetings	\$ 4,800	\$3,360		\$3,360	\$516.82	\$2,843.19
Task 5 - EDA Grant			\$12,000			
Total	\$ 59,200	\$49,464		\$37,464		\$34,132.59

In order to complete all the tasks identified in the attached Amendment 5, the following additional supplement will be required, as shown in the Table below.

Tasks	Initial Fee Estimate	Remaining Budget	Additional Supplement Needed
Task 1 - Concept Study	\$ 36,600	\$14,063	\$18,814
Task 2 - Cost Estimates	\$ 9,600	\$9,600	
Task 3 - Coordination with FEC	\$ 8,200	\$7,626	
Task 4 - Meetings	\$ 4,800	\$2,843	\$1,500
Total	\$ 59,200	\$34,132	\$20,314

We request that the City authorize the additional supplement of \$20,314 to allow us to complete the Tasks outlines in the Scope of Services under Amendment 5. If you have any questions or need to discuss further, please do not hesitate to contact me at 561-845-0665.

Sincerely,

KIMLEY-HORN & ASSOCIATES, INC.,

Poorna Bhattacharya, AICP, LEED AP
Project Manager