

SUPPLEMENTAL SCOPE OF SERVICES
September 25, 2015
for

PROFESSIONAL SERVICES AGREEMENT
ENGINEERING CONSULTING SERVICES

PROJECT DEVELOPMENT AND ENVIRONMENT (PD&E) STUDY
FOR
DUNEDIN CAUSEWAY BRIDGES

County PID: 00423A/Contract 134-0092-NC
Prepared for:

Pinellas County
Engineering & Technical Support Division
14 S. Fort Harrison Avenue
Clearwater, FL 33756

Prepared by:

URS Corporation
7650 West Courtney Campbell Causeway
Suite 700
Tampa, Florida 33607

EXHIBIT A

SCOPE OF SERVICES FOR CONSULTING ENGINEERING SERVICES

This Exhibit is an amendment to the original Scope of Service agreement between Pinellas County (hereinafter referred to as the COUNTY) and URS Corporation (hereinafter referred to as the CONSULTANT) relative to the transportation facility described as follows:

I. PROJECT TITLE

Professional Engineering Services for the Project Development and Environment (PD&E) Study to Evaluate Rehabilitation or Replacement of the Dunedin Causeway Bridges (Bridge Numbers 150068 and 150067) over the Intracoastal Waterway and St. Joseph Sound in the City of Dunedin, Pinellas County, FL

The limits of the project extend from the entrance to Honeymoon Island State Park, west of Royal Stewart Arms Parkway on Honeymoon Island, east to the intersection of Gary Place/Gary Circle with Causeway Boulevard on Ward Island, a length of approximately 2.0 miles.

II. OBJECTIVE

The overall objective is to seek services to complete a PD&E study to evaluate alternatives for rehabilitation or replacement of the Dunedin Causeway Bridges, and evaluation of alternatives to improve access management along the causeway.

The purpose of this Exhibit is to describe the scope of work and the responsibilities of the CONSULTANT and the COUNTY in connection with the Preliminary Engineering (Conceptual Design), and Environmental Studies necessary to comply with Florida Department of Transportation (FDOT) procedures and to obtain Federal Highway Administration (FHWA) Location and Design Concept Acceptance (LDCA) of proposed improvements to this transportation facility.

Except as noted herein, the Project Development Process shall follow the most recent version of the FDOT's publication titled "Project Development and Environment Manual". Throughout this Scope of Services portion of this CONSULTANT Contract, the publication will be referred to as the "PD&E Manual". All tasks identified in this scope of work will be done in accordance with the FDOT's PD&E Manual, unless otherwise stated.

The PD&E Manual incorporates all the requirements of the National Environmental Policy Act (NEPA); Federal law and executive orders; applicable Federal regulations included in the Federal Highway Administration Federal-Aid Policy Guide; and applicable State laws and regulations including Chapter 339.155 of the Florida Statutes. The project documentation prepared by the CONSULTANT in accordance with the PD&E Manual shall therefore be in compliance with all applicable State and Federal laws, executive orders, and regulations.

The CONSULTANT shall perform those engineering services required for LDCA studies, including consideration of all social, economic, environmental effects, and mitigation as required by the FHWA and/or the Project Development and Environment (PD&E) Manual, along with the required environmental documents, engineering reports, preliminary plans, public hearing, and right-of-way maps.

TASKS 1 through 4 of the Scope of Services will establish which items of work described in the PD&E Manual are specifically included in this contract, and also which of the items of work will be the responsibility of the CONSULTANT or the COUNTY.

The COUNTY will provide contract administration and provide management services and technical reviews of all work associated with the development and preparation of the engineering/environmental study reports for the transportation facility.

III. PROJECT DESCRIPTION

The CONSULTANT is to study the rehabilitation or replacement of the Dunedin Causeway Bridges in Pinellas County, Florida. The following alternatives shall be evaluated:

Alternatives considered for the existing Main Bridge (#150067) will include the following:

No Build

Rehabilitation

Replacement with a High-Level Fixed Bridge

Replacement with a Low-Level Bascule Bridge

Replacement with a Mid-Level Bascule Bridge

Alternatives for the West Tide Relief Bridge (#1150068) include:

No Build

Rehabilitation

Replacement with a Bridge of Similar Type and Vertical Clearance

For each replacement alternative, three horizontal alignments (to the north, along the existing, and to the south) will be prepared for the Main Bridge and two horizontal alignments (shift north, shift south) will be prepared for the Tide Relief Bridge.

Alternate corridors for bridge location will not be required to be evaluated due to the extent of development in the vicinity of the existing bridge. Because of anticipated substantial environmental impacts and unreasonable projected costs, a tunnel alternative need not be considered at either bridge location or along the Causeway.

Capacity improvements will not be considered. A Transportation Systems Management and Operations alternative is not appropriate for this project and need not be evaluated in detail. This alternative will be briefly discussed and dismissed in the Preliminary Engineering Report.

The limits of the project extend from the entrance to Honeymoon State Park, west of Royal Stewart Arms Parkway on Honeymoon Island, to Gary Place/Gary Circle with Causeway Boulevard on Ward Island, a length of approximately 2.0 miles.

IV. ADDITIONAL SCOPE OF WORK

All Study Requirements and Provisions for Work outlined in the Original Scope of Services apply to the Amendment.

This Amendment includes additional tasks that will be performed associated with detailed development of six additional alternative concepts for the Main Bridge. The original Scope and Services for the project included detailed development of three of the nine alternatives developed for the Preliminary Screening Analysis as described in Section 1.81 of the original Scope. This supplemental scope describes services required to develop and evaluate all nine of these alternatives for the Main Bridge considered in the Preliminary Screening Analysis. These additional alternatives will be presented to the public at the Alternatives Community Workshop.

The task numbers below correspond to the tasks in the original Scope of Services negotiated for this project.

TASK 1 – ENGINEERING ANALYSIS AND REPORTS

1.18 Bridge and Roadway Design Alternatives

- Approach roadway concepts for six additional main bridge alternatives will be developed.

1.21 Prepare Alternative Concept Plans

- Concept plans will be prepared for six additional main bridge alternatives.

1.20 Structures Analysis

- Structures evaluation will be conducted for six additional alternative concepts for the Main Bridge.

1.28 Comparative Analysis and Evaluation Matrix

The original Scope of Services and Fees assumed, based on the results of the Preliminary Screening of nine build alternatives for the Main Bridge (described in Section 1.18 of the original Scope of Services,) that only three viable concepts would be selected for further evaluation, including detailed engineering and environmental analyses to be carried through the public involvement process and presented to the public at an Alternatives Public Workshop.

Based on input from the County Commission, all nine build alternative alignments for the Main Bridge (considered in the Preliminary Screening Analysis) will be further evaluated including detailed engineering and environmental analyses to be carried through the public involvement process and presented to the public at an Alternatives Public Workshop.

These nine build alternatives are described in section 1.18 of the original Scope of Services and include the following:

High-Level Fixed Bridge (with a minimum vertical clearance of 65 feet)

North Alignment

Existing Alignment

South Alignment

Mid-Level Movable Bridge (with a minimum vertical clearance of 35 feet)

North Alignment

Existing Alignment

South Alignment

Low-Level Movable Bridge (with a minimum vertical clearance of 21 feet)

North Alignment

Existing Alignment

South Alignment

The Alternatives Matrix, developed to facilitate comparative analysis of alternatives, will include all nine build alternatives for the Main Bridge (six additional alternatives compared to three in the original Scope of Services).

1.33 Construction Cost Estimates

- In addition to the cost estimates described in the original Scope of Services, cost estimates will be prepared for each of the six additional alternative Main Bridge build alternatives.

1.36 Preliminary Engineering Report

- Development and Analysis of six additional build alternatives will be included in the Preliminary Engineering Report.

1.37 Quality Control

- Independent Technical Reviews will be conducted for the concept plans for the six additional build concepts for the Main Bridge.

TASK 2 – ENVIRONMENTAL ANALYSIS AND REPORTS

2.5 Aesthetics

- Evaluation of impacts to the viewshed and aesthetic values will be conducted for six additional Main Bridge build alternatives.

2.9 Wetlands and Essential Fish Habitat (EFH)

Potential impacts to wetlands and EFH for each of the additional six build alternative concepts for the main bridge will be evaluated and included in the Wetlands Evaluation/Biological Assessment Report (WEBAR)

TASK 3 – OPTIONAL SERVICES

- No additional optional services are anticipated for this supplement.

TASK 4 – PUBLIC INVOLVEMENT

4.2 Public Involvement Data Collection

- It is anticipated that additional questions from the public would be received as a result of the additional alternatives proposed and the extension of the project schedule. The CONSULTANT would assist the COUNTY with preparation of additional responses.

4.5 Scheduled Public Meetings - Alternatives Community Workshop

- **Setup and Attendance**– Additional effort is needed to prepare additional display boards, power point slides and script related to the additional six Main Bridge Alternatives. Additional staff will be required at the workshop to “man” the substantial number of additional concept display boards.

4.6 Other (Unscheduled) Public and Agency Meetings

- The CONSULTANT will prepare appropriate exhibits and meeting materials, make a presentation as needed, and attend four additional unscheduled meetings as follows:
 - Dunedin Causeway Bridge Ad Hoc Advisory Committee Meeting
 - City of Dunedin Commission Meeting
 - Pinellas County Board of County Commissioners Meeting
 - One additional Stakeholder Meeting

4.9 Special Public Involvement Requirements

- **Website Development and Maintenance** – The CONSULTANT will prepare updates to the project website as needed for the additional six months of the schedule.
- **Videos and Renderings** –The CONSULTANT will construct 3D digital models for the six additional main bridge build alternatives and align the 3D models to field photographs to produce renderings from five views. In addition, the CONSULTANT will prepare animations for these six additional bridge alternatives.

4.10 Quality Control

- Quality Control will consist of checking all CADD files and other additional deliverables resulting from the supplemental work.

TASK 5 – MISCELLANEOUS SERVICES

5.1 Contract and Project Files

- The original duration of the contract is being extended by approximately six months. The CONSULTANT will develop updated monthly progress reports and schedule updates, as well as maintain files for the additional months proposed in the schedule.

5.2 Project Management Meeting and Coordination

- The original duration of the contract is being extended by approximately six months. The CONSULTANT will meet with the COUNTY as needed for progress meetings or other team meetings as needed during these additional months.

VI. SCHEDULE

The CONSULTANT shall begin work upon written notice to proceed. The project shall be completed within **30 months** of notice to proceed (of the original contract) unless otherwise authorized by the COUNTY.

The CONSULTANT shall complete the Project Development and Environmental Study in accordance with the Microsoft Project Schedule attached to this Amendment and agreed to by the COUNTY. The schedule will identify the County's review period for all submittals as agreed to by the COUNTY. The schedule can be modified during the contract period as mutually agreed by the CONSULTANT and COUNTY.

VII. INVOICES & PROGRESS REPORTS

The CONSULTANT will submit an invoice monthly. With each invoice, CONSULTANT shall submit a progress report summarizing the work completed during the invoice period. The CONSULTANT shall also provide a Microsoft Project Schedule with applicable updates to be included with each monthly invoice submittal.

VIII. SERVICES TO BE PERFORMED BY THE COUNTY

There is no change to the services to be performed by the County from the original Scope of Services.