

**SUMTER COUNTY BOARD OF COMMISSIONERS
EXECUTIVE SUMMARY**

SUBJECT: Drainage Canal Cross-overs status assessment (Staff recommends approval).

REQUESTED ACTION: Board approval

Work Session (Report Only) **DATE OF MEETING:** 2/14/2012
 Regular Meeting Special Meeting

CONTRACT: N/A

Effective Date: 2/15/2012

Managing Division / Dept:

Vendor/Entity: AMEC-BCI

Termination Date: 4/15/2012

Public Works Division/Operations

BUDGET IMPACT: \$46,800 NTE

Annual

FUNDING SOURCE:

Stormwater Fund 131

Capital

EXPENDITURE ACCOUNT:

131-399-538-3400

N/A

HISTORY/FACTS/ISSUES:

On October 11, 2011 the Board approved \$150,000 in funding for drainage channel maintenance to include the assessment of the small cross over bridges along several of the drainage channels in South County. See exhibit 1.

AMEC-BCI is preparing the Stormwater Management Program development which includes developing a channel maintenance program. The assessment and then repair or replacement of these cross overs will be in integral part of that program.

AMEC-BCI was tasked to develop the scope, cost and schedule to assess and make recommendations for up to 24 of these small cross overs, at \$1950 per bridge. See exhibit 2.

These assessments will assist the PWD in preparing a line in their FY 13 budget for the actual repair or replacement of these small cross overs to bring them back up to their original load capacity of HS-10.

Staff recommends approval of this task order to AMEC-BCI for the initial assessment of up to 24 cross-overs.

A PO is submitted for this amount on this agenda.



February 7, 2012

Scott B. Cottrell, PE
Director, Public Works
Sumter County
319 E. Anderson Avenue
Bushnell, Florida 33513

RE: Proposal for Condition Assessment of Existing Bridges in Sumter County, Florida

Dear Mr. Cottrell:

AMEC-BCI Engineers & Scientists, Inc. (AMEC) is pleased to submit this proposal under the provisions of the Continuing Engineering Service Contract executed by the Sumter County Board of County Commissioners on March 25, 2008. A detail of services is enclosed.

This proposal is valid for sixty days.

We appreciate the opportunity to assist you with this project. Please do not hesitate to contact us if you have any further questions regarding this information.

Sincerely,

Steve Mickelson, PE, SE, MBA, LEED AP
Forensic Engineering Manager

Carl W. Christmann, PE
Director of Forensic Services

sm/sb
Enclosures

Accepted:
Board of County Commissioners of Sumter County Florida

By: _____

Title: _____

Date: _____

AMEC
Environment & Infrastructure
2000 E. Edgewood Drive, Suite 215
Lakeland, Florida
USA 33803
Tel (863) 667-2345
Fax (863) 667-2662

www.amec.com

Phase I - Proposal for Condition Assessment of Existing Bridges in Sumter County, near Gant Lake

Included Services

- One site visit to each existing bridge (see attached list), including travel to and from site
- Brief description of location, type and material of each existing bridge
- Visual, brief inspection of each existing bridge to document/determine its baseline conditions and superstructure "condition ratings"
- Representative photographs of observed deficiencies of each existing bridge
- One GPS reading (x,y,z) at either end of each bridge
- Recommendations for repair/replacement, where possible, with an indication of relative priority
- Signed/sealed written report, by a Florida Licensed Professional Engineer, for each existing bridge, including a discussion of the above-described components

Excluded Services

- Destructive/invasive observation
- Load and/or material testing
- Observation requiring lifts, scaffolding, suspended work platforms and/or boats (Should a boat be required, it will be charged separately)
- Oversight/provision of any traffic control measures
- Determination of average daily traffic (ADT)/truck traffic (ADTT) for each existing bridge
- Obtaining/creating history of each existing bridge (i.e. plans/engineering calculations, maintenance records, etc.)
- Creation of any as-built plans/sketches/sections and/or inventory of each existing bridge's components
- Determination of "load rating" and/or "safe load capacity" for each existing bridge
- Design and/or estimates of repairs
- "Routine", "In-depth", "fracture-critical", "underwater" and/or "special" inspections
- Coverage/observation/discussion of any existing bridge approaches

Cost

Cost based on an assumed total of 24 bridges to be inspected

Cost: \$1,950 each*

* Price may be subject to modification should bridges be selectively omitted from attached list

Schedule

Estimated time required to complete reports: 60 days from execution of the contract

List of included bridges

<u>Code No.</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Description</u>	<u>Length</u>
1	28.561027°	-82.051941°	Bridge	48 ft
2	28.561220°	-82.048536°	Bridge	48 ft
3	28.560880°	-82.057193°	Bridge	44 ft
4	28.552731°	-82.069694°	Bridge	41 ft
5	28.549173°	-82.078906°	Bridge	39 ft
6	28.550781°	-82.078517°	Bridge	42 ft
7	28.565763°	-82.058051°	Bridge	43 ft
8	28.563322°	-82.062946°	Bridge	42 ft
9	28.564904°	-82.076432°	Bridge	66 ft
10	28.563996°	-82.076618°	Bridge	41 ft
11	28.578985°	-82.069850°	Bridge	65 ft
12	28.586920°	-82.037913°	Bridge	48 ft
13	28.584325°	-82.040096°	Bridge	53 ft
14	28.586322°	-82.031710°	Bridge	40 ft
15	28.584031°	-82.034809°	Bridge	50 ft
16	28.580670°	-82.087625°	Bridge	52 ft
17	28.588674°	-82.083019°	Bridge	58 ft
18	28.594612°	-82.077484°	Bridge	50 ft
19	28.610088°	-82.085617°	Bridge	42 ft
20	28.608815°	-82.097114°	Bridge	42 ft
21	28.600880°	-82.118864°	Bridge	54 ft

Proposal also includes inspection of three (3) bridges within this selection. Descriptions and span lengths TBD from field reconnaissance.

22	28.593080°	-82.130957°	Unknown Crossing
23	28.595504°	-82.129397°	Unknown Crossing
24	28.571475°	-82.055669°	Unknown Crossing
25	28.563263°	-82.068807°	Unknown Crossing
26	28.577440°	-82.078018°	Unknown Crossing
27	28.585846°	-82.084527°	Unknown Crossing
28	28.596633°	-82.077495°	Unknown Crossing
29	28.575667°	-82.138774°	Unknown Crossing
30	28.581432°	-82.098238°	Unknown Crossing
31	28.608192°	-82.109381°	Unknown Crossing