

**SEMINOLE COUNTY GOVERNMENT  
AGENDA MEMORANDUM**

**SUBJECT:** Contracts and Purchasing

**DEPARTMENT:** Fiscal Services **DIVISION:** Purchasing and Contracts Division

**AUTHORIZED BY:** Lisa H. Spriggs **CONTACT:** Ray Hooper **EXT.** 7111

**Agenda Date** 7/26/2005 **Regular** ☒ **Consent** ☐ **Work Session** ☐ **Briefing** ☐  
**Public Hearing – 1:30** ☐ **Public Hearing – 7:00** ☐

**MOTION/RECOMMENDATION:**

**BACKGROUND:**

**DESIGN/BUILD**

45. Discuss the various options, request for direction and proceed with a contract agreement for Lake Mary Blvd. Pedestrian Overpass at Country Club Road and Rinehart Road under DB-608-04/AJR with the Design/Build team of Southland Construction, Inc. and Dyer, Riddle, Mills & Precourt, Inc.

**Reviewed by:**  
**Co Atty:** \_\_\_\_\_  
**DFS:** \_\_\_\_\_  
**Other:** \_\_\_\_\_  
**DCM:** ES  
**CM:** KB

**File No.** CFSP00

DB-608-04/AJR will provide a professional Design/Builder for the design and construction of Pedestrian bridge overpasses on Lake Mary Blvd. The locations selected will cross Lake Mary Blvd. at the west side of the Country Club Road Intersection and at the east side of Rinehart Road Intersection.

This item was last discussed by the Board at the May 10, 2005 meeting. Southland Construction, Inc. and Dyer, Riddle, Mills & Precourt, Inc. were selected as the Design/Build team. As a result of that discussion, staff was asked to provide some cost savings alternatives with the addition of a second bridge on Lake Mary Blvd and the possible elimination of some decorative options.

Staff met twice with the Design/Build team to discuss cost savings alternatives for both bridges. These discussions resulted in the following three cost savings approaches:

**Alternative I:** Build two bridges concurrently as proposed with saving primarily in Engineering and Overhead cost, which equates to \$415,000. Cost of two bridges would be \$7,318,000, which averages \$3,659,000 per bridge.

**Alternative II:** Saving from Alternate I, along with removal of decorative roof, arches and panels, this equates to a total savings of \$1,075,000. Cost of two bridges would be \$6,658,000, which averages \$3,329,000 per bridge.

**Alternative III:** Savings from Alternate II, along with the removal of the center tower, this equates to a total savings of \$1,315,000. Cost of two bridges would be \$6,418,000, which averages \$3,209,000 per bridge.

Visual samples of the various alternatives are contained in the backup along with the various written correspondence supporting the above alternatives.

Staff is requesting direction from the Board on the selection of the various alternatives and approval to authorize the chairman to execute a contract.

## **DESIGN/BUILD**

45. **Discuss the various options, request for direction and proceed with a contract agreement for Lake Mary Blvd. Pedestrian Overpass at Country Club Road and Rinehart Road under DB-608-04/AJR with the Design/Build team of Southland Construction, Inc. and Dyer, Riddle, Mills & Precourt, Inc.**

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**Alternative I:** Build two bridges concurrently as proposed with saving primarily in Engineering and Overhead cost, which equates to \$415,000. Cost of two bridges would be \$7,318,000, which averages \$3,659,000 per bridge.

**Alternative II:** Saving from Alternate I, along with removal of decorative roof, arches and panels but leaving the center tower in, this equates to a total savings of \$1,075,000. Cost of two bridges would be \$6,658,000, which averages \$3,329,000 per bridge.

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# LAKE MARY PEDESTRIAN BRIDGES

	Base-Price	Alternative-1	Alternative-2	Alternative-3
Country Club Rd/Rinehart Rd	7,733,000	7,318,000	6,658,000	6,418,000
Cost/Savings		415,000 Engineering & Overhead Fees  Concurrent Construction	1,075,000 Engineering/Overhead Fees/Roof, Decorative Arches and Landing Decorative Panels  Concurrent Construction	1,315,000 Same as Alternative-2 Deduct the center tower  Concurrent Construction



**SEMINOLE COUNTY**

**Department of Fiscal Services  
Purchasing and Contracts Division**

1101 East First Street, Room 3208  
Sanford, FL 32771  
Phone: 407-665-7116; Fax: 407-665-7956

Southland Construction  
172 West 4<sup>th</sup> Street  
Apopka, FL 32703

May 10, 2005

Attn: Mr. Daniel L. Carr, President

Dear Mr. Carr,

At the Seminole County Board of Commissioners meeting this morning, the Board asked staff to enter into discussions with the design/build team of Southland and DRMP for the Lake Mary Boulevard pedestrian overpass (DB-608-04/AJR). In our telephone conversation this afternoon, we agreed to meet on May 17, 2005 at 1:00 PM in the Purchasing and Contracts Conference Room on the third floor of the County Services Building, 1101 East First Street, Sanford.

The Board has asked staff to investigate any possible cost savings that could be realized on this project. We would welcome any suggestions you may have that could reduce the costs associated with building this pedestrian overpass while preserving an "Italian Mediterranean" design atmosphere in keeping with the City of Lake Mary's vision.

Staff has three options we would like to discuss with you on the 17<sup>th</sup>:

1. What would be the cost savings if the County awarded two pedestrian bridges to be constructed concurrently, both with the current design? One at the present location of Lake Mary Blvd and Country Club Road and a second for the Seminole Trail crossing of Lake Mary Blvd just east of Rinehart Road.
2. What would be the cost savings if the bridge were constructed with only the center (gabled) roof in place? Again, please evaluate for both one and two bridges.
3. Are there any further minor design modifications that could result in additional savings while keeping the general flavor of the bridge? If so, please provide prices for one and two bridges as above.

Please call me at (407) 665-7122 with any questions. I look forward to our meeting on the 17<sup>th</sup>.

Sincerely,

Peter W. Maley, CPPO  
Contracts Supervisor

To: Peter Maley, Seminole County Purchasing and Contracts Division

From: Danny Carr, Southland Construction, Inc. *DFC*

Date: 5/17/05

Project: Lake Mary Pedestrian Overpass, DB-608-05/AJR

Re: 5/10/05 Letter re Potential Cost Savings

In response to your 5/10/05 letter, we would like to offer the following:

**What would be the cost savings if the County awarded two pedestrian bridges to be constructed concurrently, both with the current design? One at the present location of Lake Mary Blvd and Country Club Road and a second for the Seminole trail crossing of Lake Mary Blvd. just east of Rinehart Road.**

There would be an approximate combined \$300,000.00 savings on engineering fees and construction overhead that would accrue on the second bridge. However, the total net savings cannot be calculated until we know more about the alignment, soil conditions, timing and total direct cost of the Rinehart Bridge.

**What would be the cost savings if the bridge were constructed with only the center (gabled) roof in place? Again, please evaluate for both one and two bridges.**

The decorative arches and roof (except over the center tower) can be deducted (and replaced with welded wire fabric) for \$230,000.00. If this deduct is applied to both bridges, the savings would be \$460,000.00. These figures, unlike the Rinehart engineering and overhead savings, are definite.

**Are there any further minor design modifications that could result in additional savings while keeping the general flavor of the bridge? If so, please provide prices for one and two bridges as above.**

The landing decorative panels can be deducted (and replaced with additional railing) for a net deduct of \$100,000.00. If this deduct is applied to both bridges, the savings would be \$200,000.00. These figures, unlike the Rinehart engineering and overhead savings, are definite. Additional changes to the main pier decorative panels, beam decorations and the composition of all types of decorative panels are possible, but we cannot calculate the amount of the deduct until we determine what they will be replaced with.

Item	Country Club	Rinehart	Subtotals
Approximate Engineering and Overhead Savings on 2d Bridge		\$ 300,000.00	\$ 300,000.00
Deduct Roof (excluding for center tower) and Decorative Arches	\$ 230,000.00	\$ 230,000.00	\$ 460,000.00
Deduct Landing Decorative Panels	\$ 100,000.00	\$ 100,000.00	\$ 200,000.00
Subtotals	\$ 330,000.00	\$ 630,000.00	
<b>Combined Savings Both Bridges</b>			<b>\$ 960,000.00</b>

To: Peter Maley, Seminole County Purchasing and Contracts Division

From: Danny Carr, Southland Construction, Inc. *NTC*

Date: 6/1/05

Project: Lake Mary Pedestrian Overpass, DB-608-05/AJR

Re: Follow-up to 5/17/05 Meeting

On 5/17/05 we were asked to report back in two weeks with an update on the following tasks:

- Produce two revised rendering drawings which show a bridge with only a center tower and a bridge with no roof or decorative arches whatsoever.
- Verify the amount of the engineering savings on a second bridge at the Rinehart location.
- Revise the amount of general conditions, overhead and profit savings on a second bridge to account for both bridges actually starting at the same time, within 60 days of award, with all alignment, ROW and park woodland issues being resolved in that time frame.
- Revise decorative deduct options to show the cost savings for removing the center tower from both bridges.
- Perform soil borings to confirm that similar foundations can be used at the Rinehart and Country Club locations.
- Perform utility locates to confirm that utilities will impact neither alignment, nor span length.

We would like to report back as follows:

**Produce two revised rendering drawings which show a bridge with only a center tower and a bridge with no roof or decorative arches whatsoever.**

The revised renderings are attached.

**Verify the amount of the engineering savings on a second bridge at the Rinehart location.**

The engineering savings on the second bridge will be \$115,000.00. The savings is based upon using many of the same structural calculations. Therefore, the savings are conditioned upon the alignment at the Rinehart location staying to the East of the power lines and allowing for the same span length and ramp layout as Country Club. Also, property acquisition tasks are excluded.

**Revise the amount of general conditions, overhead and profit savings on a second bridge to account for both bridges actually starting at the same time, within 60 days of award, with all alignment, ROW and park woodland issues being resolved in that time frame.**



Per the attached spreadsheet, we have revised the combined General Conditions, Overhead and Profit savings to \$300,000.00 on the second bridge. The savings is conditioned upon both projects actually starting at the same time, within 60 days of award. Therefore, this would require the following issues to be resolved by the County within 60 days of award: (1) ROW procured from private developer for retention pond. (2) Permission from City of Lake Mary to put foundations and work zone in park woodland area. The savings will be less than \$300,000.00 if these events do not take place as planned.

**Revise decorative deduct options to show the cost savings for removing the center tower from both bridges.**

Per the attached spreadsheet, we have added the potential deduct of \$120,000.00 per bridge for removing the center tower roof, decorative arches and frame.

**Perform soil borings to confirm that similar foundations can be used at the Rinehart and Country Club locations.**

Soil borings have been obtained. We will be able to use similar foundations at the Rinehart location and there will be no direct cost increase related to foundations at the Rinehart location.

**Perform utility locates to confirm that utilities will impact neither alignment, nor span length.**

Utility locates have been performed by the utility companies at the Rinehart location. We have not had time to soft-dig the location, but all utility markings indicate that there will be no impact upon span length and there will be no direct cost increase due to utilities at the Rinehart location.

Savings From	Savings Conditioned Upon	Deduct		Deduct		Subtotal
		Country Club	Rinehart	Country Club	Rinehart	
Engineering on 2d Bridge	1. Alignment at Rinehart allows for same span length as Country Club. 2. County responsible for property acquisition tasks.		\$ 115,000.00		\$ 115,000.00	
General Conditions, Overhead & Profit	(1) Both bridges actually starting at same time. (2) Both bridges actually starting within 60 days of award. (3) Procurement of Pond ROW within 60 days of award. (4) Permission to put foundations and work zone in park wooded area.		\$ 300,000.00		\$ 300,000.00	
Deduct Roof and Decorative Arches Except for Center Tower		\$ 230,000.00	\$ 230,000.00		\$ 460,000.00	
Deduct Roof and Decorative Arches at Center Tower		\$ 120,000.00	\$ 120,000.00		\$ 240,000.00	
Deduct Landing Decorative Panels, Replace with Railing		\$ 100,000.00	\$ 100,000.00		\$ 200,000.00	

\$ 1,315,000.00

Total Savings