

AMENDMENTS

19. Approve Amendment #6 to PS-333-96/BJC- Engineering Services Agreement for CR-46A Phase III to Professional Engineering Consultants, Inc. of Orlando (\$173,159.00).

PS-333-96/BJC provides for preliminary engineering and final roadway design including landscaping and irrigation plans, design and right-of-way surveys, geotechnical surveys and right-of-way maps with title search for the construction of approximately 1.4 miles of multi-lane collector highway. Amendment #6 will provide additional engineering services to update the existing CR 46A Phase III roadway plans to reflect current conditions; including those that changed due to the completion of SR 417.

The summary of the cost of the Contract through Amendment #3 is as follows:

Original Contract Sum	\$313,755.00
Amendments 1 through 5	102,118.00
Add Amendment #6	<u>173,159.00</u>
Revised Contract Sum	\$589,032.00

This is a budgeted project and funds are available in accounts numbered 077515-560680 sub-ledger # 000114-01 and 077521.560680 sub-ledger # 000114-01.

Public Works Department/Engineering Division and Fiscal Services Department/Purchasing and Contracts Division recommend that the Board authorize the Chairman to execute the amendment as prepared by the County Attorney's Office.

**SIXTH AMENDMENT TO ENGINEERING SERVICES AGREEMENT
(PS-333-96/BJC)
C.R. 46A (UPSALA ROAD TO OLD LAKE MARY ROAD)**

THIS SIXTH AMENDMENT is made and entered into this _____ day of _____, 20____ and is to that certain Agreement made and entered into on the 9th day of April, 1996, as amended on May 30, 1997, January 26, 1999, April 3, 2001, January 21, 2004, and on July 15, 2004, between **PROFESSIONAL ENGINEERING CONSULTANTS, INC.**, whose address is 200 East Robinson Street, #1560, Orlando, Florida 32801, hereinafter referred to as "CONSULTANT," and **SEMINOLE COUNTY**, a political subdivision of the State of Florida, whose address is Seminole County Services Building, 1101 East First Street, Sanford, Florida 32771, hereinafter referred to as "COUNTY".

W I T N E S S E T H:

WHEREAS, the CONSULTANT and COUNTY entered into the above-referenced Agreement on April 9, 1996, as amended on May 30, 1997, January 26, 1999, April 3, 2001, January 21, 2004, and on July 15, 2004 for preliminary engineering services for COUNTY's C.R. 46A- Phase III (Upsala Road to Old Lake Mary Road) project in Seminole County; and

WHEREAS, the parties desire to amend the Agreement so as to increase the Scope of Services and increase the amount of compensation paid to the CONSULTANT; and

WHEREAS, Section 20 of the Agreement dated April 9, 1996 provides that any amendments shall be valid only when expressed in writing and duly signed by the parties,

NOW, THEREFORE, in consideration of the mutual understandings and agreements contained herein, the parties agree to amend the Agreement as follows:

1. Exhibit "A" to the Agreement, Scope of Services, is hereby amended by the additions of the services as described on Exhibit "A"

attached hereto.

2. The CONSULTANT shall be paid an additional ONE HUNDRED SEVENTY-THREE THOUSAND ONE HUNDRED FIFTY-NINE AND NO/100 DOLLARS (\$173,159.00) as compensation for additional services performed pursuant to this Amendment. The total fixed fee compensation through this Sixth Amendment is the sum of FIVE HUNDRED EIGHTY-NINE THOUSAND THIRTY-TWO AND NO/100 DOLLARS (\$589.032.00). In no event shall CONSULTANT be paid more than the fixed fee sum stated above.

3. Except as herein modified, all terms and conditions of the Agreement shall remain in full force and effect for the term of the Agreement, as originally set forth in said Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this instrument for the purpose herein expressed.

ATTEST:

PROFESSIONAL ENGINEERING
CONSULTANTS, INC.

TOM R. KELLY, Secretary
(CORPORATE SEAL)

By: _____
DAVID A. WHITE, Vice-President

Date: _____

ATTEST:

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

MARYANNE MORSE
Clerk to the Board of
County Commissioners of
Seminole County, Florida.

By: _____
CARLTON HENLEY, Chairman

Date: _____

For the use and reliance
of Seminole County only.

As authorized for execution
by the Board of County Commissioners
at their _____, 20____
regular meeting.

Approved as to form and
legal sufficiency.

County Attorney
AC/lpk
12/21/04
6am-ps-333
Attachment:
Exhibit "A" - Scope of Services

SCOPE OF SERVICES

CR 46A PHASE III – PLANS UPDATE

PS-333-96/BJC

Below is a summary of the tasks to be performed for the identified phases of work:

- A. Update plans to reflect recent widening of CR 46A at Upsala Road and at Casa Verde Boulevard. This task includes revising the plans as necessary to reflect the recent widening. It also includes revisions to the roadway plans, signing and pavement marking plans and utility adjustment sheets. This task also includes the review and update to the Signing and Pavement Marking Plans. Signalization and interconnect plan revisions are included in Task C.
- B. Survey recently widened areas at the east and west terminus of the project. This task will specifically locate the new construction of CR 46A on the west and the Greenway and CR 46A on the east and incorporate into plans. The survey is comprised of 800 feet at the beginning, 600 feet at the end of this project (near Casa Verde), 100 feet north on Country Club and 100 feet south on Lake. This task includes coordination with the sub-surface utility location firm, survey of test holes, staking of mast arm foundation locations and geotechnical stakeout for the reinforced wall design (4 locations)
- C. Revise Signalization Plans to reflect the most current County signal design standards. This will result in revisions to the mast arm and foundation design, overall signal design and interconnect plans. Coordination with the Seminole County Expressway Authority/FDOT to work with their r/w and connect to their controller.
- D. Prepare landscape plans according to Seminole County's Landscape Standards. Confirm latest revision status.
- E. Revise cross sections and plan sheets to reflect removal of the proposed wall on north side of the road from station 177+44 to station 186+00. Revise the cross section and plan sheets to reflect the required drop off protection along the reinforced slope from station 177+80 to station 182+40. This task also includes coordination with geotechnical firm and the firm providing the reinforced slope design. Design analysis and alternative preparation included.
- F. Respond to County review of updated plan set and revise accordingly.
- G. Review of the SJRWMD permit documentation and coordination has revealed that the SJRWMD permit will expire on March 14, 2006. The update to the plans will not require a permit modification. It is anticipated that no modification to the permit will be required. This task assumes that a letter explaining what changes are being made is sufficient. PEC will also review the permit from an expiration standpoint to determine what course of action should be taken if the permit should need to be extended. Modification to the Lockhart Smith Canal Maintenance Driveway is required to eliminate wetland impacts that were not accounted for in the issued permit. This task includes preparation the NPDES application and SWPPP (single plan sheet)

- H. Utility update. This will include mailing plans sets to all utilities within the corridor. Specifically it will entail reflecting the City of Sanford's new watermain location. This will also include review of the proposed storm sewer system in relation to the new watermain location. Should any conflicts be found, this task will also include the analysis to determine if we can make an adjustment to the storm sewer or if the utility will have to relocate or transition around the storm sewer.

Please note that this proposal does not include revisions to the r/w maps or legal descriptions. It does not include Post-Design Services.

**CR 46A PHASE III - PLANS UPDATE
MANHOUR & FEE ESTIMATE**

Contract No.: PS 333-96/BJC
 Project Name: CR 46A Phase III - Plans Update
 Description: Upsala Road to Old Lake Mary Road
 Prepared By: Mike Mohler

Date: 07/17/03 Revised: 10/14/04

P-3195 R4

No./Activity	Principal		Project Manager		Project Engineer		CADD Technician		Word Processor/Clerical		TOTAL		
	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Manhours By Activity	Salary Cost For Activity	Average Hourly Rate
Administration	1	\$126.15	5	\$114.55	8	\$85.55	2	\$73.95	1	\$53.65	17	\$1,583.00	\$93.24
Task A (Reflect current conditions, general plans update)	12	\$126.15	123	\$114.55	196	\$85.55	57	\$73.95	21	\$53.65	409	\$37,713.00	\$92.21
Task B (Survey, Softdig, Geotech Stakeout - see below)													
Task C (Update signal/interconnect plans)	6	\$126.15	58	\$114.55	93	\$85.55	27	\$73.95	9	\$53.65	193	\$17,836.00	\$92.32
Task D (Landscape Plans)	5	\$126.15	47	\$114.55	76	\$85.55	22	\$73.95	7	\$53.65	157	\$14,519.00	\$92.30
Task E (Wall removal, drop off protection & reinforced slope)	3	\$126.15	31	\$114.55	49	\$85.55	14	\$73.95	6	\$53.65	103	\$9,479.00	\$92.12
Task F (Respond to County comments)	1	\$126.15	13	\$114.55	20	\$85.55	6	\$73.95	2	\$53.65	42	\$3,877.00	\$92.31
Task G (Permitting)	0	\$126.15	3	\$114.55	5	\$85.55	1	\$73.95	2	\$53.65	11	\$953.00	\$90.76
Task H (Utility Coordination and Update)	9	\$126.15	91	\$114.55	146	\$85.55	43	\$73.95	16	\$53.65	305	\$28,088.00	\$92.24
TOTALS	37	\$4,667.55	371	\$42,498.05	593	\$50,731.15	172	\$12,719.40	64	\$3,433.60	1,236	\$114,050.00	\$92.24

TOTAL CONTRACT FEE COMPUTATION		(Check Appropriate Block)	
Subconsultants:	Salary Cost	\$114,050	
Geotechnical Investigation - GEC, Inc.	(a) Field Survey Crew Costs (TASK B - reflect recent widening)	\$13,182	<input type="checkbox"/> Initial Estimate
Metric Engineering	(b) Survey Office Support (TASK B - reflect recent widening)	\$12,165	<input type="checkbox"/> Revised Estimate No. 1
			<input type="checkbox"/> Revised Estimate No. 2
			<input type="checkbox"/> Revised Estimate No. 3
			<input checked="" type="checkbox"/> Revised Estimate No. 4
	SUBTOTAL - LUMP SUM AMOUNT	\$139,397	
	(e) Geotechnical Investigation (Part of TASK E) - GEC, Inc.	\$8,881	
	(f) Direct Reimbursables (Out-of-Pocket)	\$13,328	
	(g) Reinforced Slope Design (Part of TASK E)	\$4,140	
	(h) Softdig (Part of TASK B) - Metric Engineering	\$7,413	
	SUBTOTAL - LUMP SUM AMOUNT	\$33,762	
	TOTAL AMOUNT	\$173,159	