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2-25-92

February 19, 1992

Mr. William Lecher, P.E.
Nassau County Engineer
2290 South 8th Street
Fernandina Beach, Florida 30234

RE: Additional Design Services Proposal
County Road Paving Project - Andrews Road
Nassau County, Florida
PH&A Project No. 8930-2B

Dear Mr. Lecher:

This proposal is submitted in accordance with the Agreement for Professional Services between Nassau County, Florida and Pitman-Hartenstein & Assoc., Inc. Engineers.

Upon approval, this proposal shall serve as Project Authorization for Additional Design Services for 3.2 miles of Andrews Road from U.S. Highway No. 1 (County Road 15) to County Road 121 as described below and in accordance with Section 2 of the original Agreement.

The following is a scope of work and method of payment to be used for each task to be completed as a part of this proposal:

ADDITIONAL SERVICES - SCOPE OF SERVICES

Task 1 Surveying Services:

- (1) Establish the centerline of the existing graded roadway westerly from U.S. Highway No. 1 (County Road 15) to County Road 121;
- (2) Set centerline monumentation at the roadway P.I.'s;
- (3) Tie the survey line to all section lines, quarter section lines, land grant lines, recorded subdivision lines and existing identifiable property corners at the beginning and ending of the project.
- (4) Prepare a right-of-way map and legal description of a 60 foot right-of-way for acquisition purposes by the Nassau County Engineer's Office;

- (5) Set iron rod reference monuments at all the roadway P.C.s, P.T.s, P.R.C.s, and along tangents at no more than 1320 foot intervals (one time).
- (6) Establish a bench mark circuit on N.G.V.D. (1929) datum and set temporary bench marks for vertical control at 1/2 mile intervals;
- (7) Perform roadway cross-sections suitable for engineering design at a maximum of 100 foot stations along the roadway centerline as established in item 1 above; cross sections to extend 50 feet on each side of the roadway centerline; location of all improvements within the proposed 60 foot right-of-way will be shown, including, but not limited to, fences, culverts, swales, power poles, telephone boxes, etc.

Task 2 Geotechnical services to include:

- (1) Five (5) foot deep auger borings every 500' alternating from 10' left, 10' right and along the roadway centerline;
- (2) LBR tests at a frequency of 2 per mile;
- (3) Data report detailing results and recommendations as to removal of unsuitable materials.

Task 3 Engineering design services and permitting for the production of complete plans and specifications for the construction of 3.2 miles of two lane rural section roadway for Andrews Road.

Task 4 Provide pre-construction services as follows:

- (1) Issue bid documents
- (2) Respond to questions/issue addenda
- (3) Attend pre-bid meeting
- (4) Evaluate bids and issue award recommendations

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ADDITIONAL SERVICES - METHOD OF PAYMENT

Compensation for work completed for Additional Services as outlined in the Scope of Services will be paid for in a lump sum amount for each task listed therein. These fees are broken down as follows:

Task 1	Surveying Service	\$14,848
Task 2	Geotechnical Services	3,165
Task 3	Engineering Design Services	37,264
Task 4	Pre-Construction Services	<u>4,680</u>
	TOTAL AMOUNT	59,957

INVOICING

Monthly invoices will be prepared and presented to the County Engineer for payment. Payment for work completed on a lump sum basis will be calculated in accordance with percent complete. Payment is due within 30 days of date of invoice.

SCHEDULE OF COMPLETION

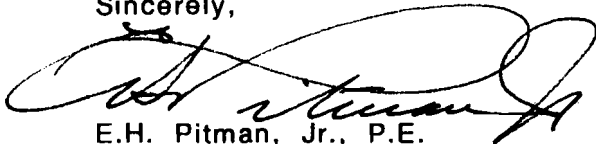
Work on this project will commence immediately upon approval of this Project Authorization.

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CONCLUSION

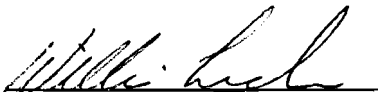
Thank you for the opportunity to continue to serve Nassau County. We look forward to the successful completion of this project.

Sincerely,



E.H. Pitman, Jr., P.E.
President

APPROVAL:



William Lecher, P.E.
Nassau County Engineer

Feb. 22, 1992

Date

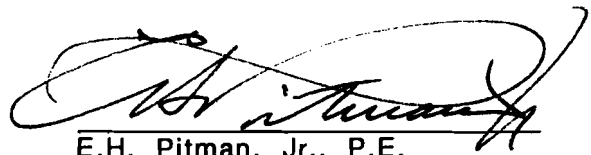
Attest



Title : Ex-Officio Clerk

February 24, 1992

Date

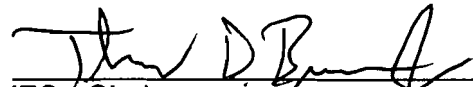


E.H. Pitman, Jr., P.E.
Pitman-Hartenstein & Assoc., Inc.

2-28-92

Date

Board of County Commissioners



ITS: Chairman

2/23/92

Date