



April 7, 1993

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 - Dyal Road
Nassau County, Florida
PH&A Project No.: M-732

Dear Mr. Lecher:

This proposal is submitted in accordance with the Agreement for Professional Services between Nassau County, Florida and PITMAN-HARTENSTEIN & ASSOCIATES, INC., ENGINEERS.

Upon approval, this proposal shall serve as Project Authorization for Additional Design Services for the approximately 2.0 mile long Dyal Road from U.S. Highway No. 1 (County Road 15) to State Road 115 (Old Kings Road) 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 State Road 115;
- (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 75 feet on each side of the roadway centerline; location of all improvements within 50 feet of the roadway center line, including, but not limited to, fences, culverts, swales, power poles, telephone boxes, etc.
- (8) Provide field verifications of drainage basin delineations for use in task 3.

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 two (2) per mile;
- (3) Data report detailing results and recommendations as to removal of unsuitable materials.

Task 3 Drainage Investigations and Engineering Evaluations:

Provide investigations and engineering evaluations of the Dyal Road drainage basin to determine alternatives that will improve the hydrologic conditions that currently exist. The result of this evaluation will be a brief report summarizing the problems and proposed alternatives and the relative cost of each.

Page 3
Mr. William Lecher, P.E.
April 7, 1993

Task 4 Design Services and Permitting:

Provide engineering design services and permitting for the production of complete plans and specifications for the construction of the two lane rural section roadway for Dyal Road.

Task 5 Provide Pre-Construction Services as follows:

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

ADDITIONAL SERVICES - METHOD OF PAYMENT

Compensation for work completed for Additional Services as outlines 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 Services	\$14,000.00
TASK 2	Geotechnical Services	\$2,640.00
TASK 3	Drainage Investigation	\$3,900.00
TASK 4	Engineering Design Services	\$24,000.00
TASK 5	Pre-Construction Services	<u>\$4,680.00</u>
	TOTAL AMOUNT:	<u>\$49,220.00</u>

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:

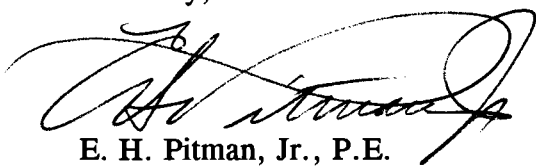
Work on this project will commence immediately upon approval of this Project Authorization.

Page 4
Mr. William Lecher, P.E.
April 7, 1993

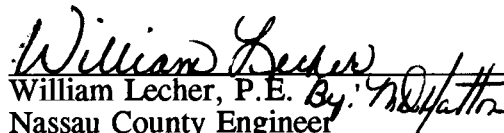
CONCLUSION:

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:

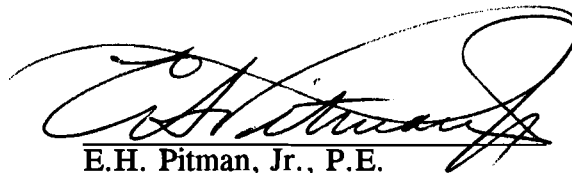

William Lecher, P.E. By: *William Lecher*
Nassau County Engineer
Inc.

7/2/93
Date

Attest:

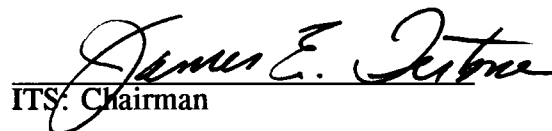

Title: Ex-Officio Clerk

6-28-93
Date


E.H. Pitman, Jr., P.E.
Pitman-Hartenstein & Associates,

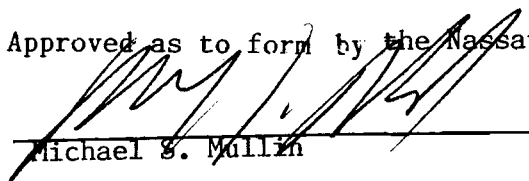
6/17/93
Date

Board of County Commissioners


ITS: Chairman

6-28-93
Date

Approved as to form by the Nassau County Attorney:


Michael S. Mullin