WORK AUTHORIZATION # <u>CM1414-WA05</u> NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS RFQ/BID NO. NC08-015

Consultant:	PBS&J
Contract Number:	CM1414
Contact Name:	Michael Holcomb, Office Leader/Associate Vice President
Contact Number:	904-363-8460
Email:	meholcomb@pbsj.com

CURRENT WORK AUTHORIZATION											
Project Short Title: Design Services - Chester Road (Home Depot Drive to Heron Isles Parkway)											
CONTRACT OVERVIEW											
Date Submitted	09/22/09	Total of Previous Authorizations	\$195,630.36								
Amount	\$99,315.98	This Work Authorization	\$99,315.98								
Scheduled Completion: Design/Final Const. plans within 120 calendar days of the NPT		Current Contract Total	\$294,946.34								

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Continuing Contract for Professional Engineering Services for Nassau County, Florida, dated March 23, 2009. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

The intent of this project is to provide final construction documents and all required permits for the proposed roadway and associated turnlane improvements for Chester Road from Home Depot Drive to Heron Isles Parkway. The Scope of Services and project is furthermore described in Exhibit A attached hereto and in the Transportation Impact Fee Study dated 07/10/09 prepared by King Engineering and provided to the Consultant. Additionally, the Consultant shall include provisions for a 6' sidewalk on the easterly side of Chester Road along with associate drainage analyses, permitting, etc. in accordance with the criteria herein. It should be noted that the plans for the proposed improvements to Chester Road south of the project limits are 100% complete and this design is intended to tie to those improvements horizontally and vertically.

ARTICLE 2. Time Schedule

All elements contained in this scope shall be satisfactorily completed and submitted to the County within 120 calendar days of the Notice to Proceed (NTP) from the County, excepting Bid Phase and Post Design services which shall be performed in a timely manner, as required and prior to billing for those services.

ARTICLE 3. Budget

Compensation for this work authorization is based upon a combination of lump sum task and task under a limiting amount (not to exceed) as provided in the Estimate of Work Effort and Fee, Attached as Exhibit B. Lump Sum Total for Task 1 - 12 is \$94,202.86; Limiting Amount for Task 13 is \$5,113.12; for a Total Project cost \$99,315.98.

Article 4. Other Provisions

The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments or schedules. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

In presenting this Work Authorization, Consultant agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed scope of services is attached.

AGREED TO BY:

BY:

Print Name: Michael E. Holcomb Title: Associate Vice President Date: 10

RECOMMENDED AND APPROVED BY NASSAU COUNTY

£611 4/33/09

Director of Engineering Services:

Board of County Commissioners, Chair:

Ex-Officio Clerk:

County Attorney:

APPROVED by the BOARD OF COUNTY COMMISSIONERS, the 23rd day of <u>November</u>, 2009

CMIHIY WAOS

EXHIBIT A

SCOPE OF SERVICES

ENGINEERING SERVICES

FOR

CHESTER ROAD

NASSAU COUNTY, FLORIDA

September 9, 2009

A. PROJECT DESCRIPTION

- 1. The intent of this project is to provide final construction documents and all required permits for the proposed roadway and associated turnlane improvements for Chester Road from Home Depot Drive to Heron Isles Parkway. The project is furthermore described in the Transportation Impact Fee Study dated 7/10/2009 prepared by King Engineering and provided to the Additionally, the Consultant shall include provisions for a 6' Consultant. sidewalk on the easterly side of Chester Road along with associate drainage analyses, permitting, etc. in accordance with the criteria herein. It should be noted that the plans for the proposed improvements to Chester Rd. south of the project limits are 100% complete and this design is intended to tie to those improvements horizontally and vertically.
- 2. The project limits are from approximately 600 feet south of the First Coast railroad tracks and end approximately 300 feet north of Heron Isles Parkway for a total project length of approximately 4500 lf.
- 3. The scope of this project is based on recommendations from the study referenced in paragraph 1. These improvements include the following:
 - Widen Chester road to include standard 12 foot lanes and 5 foot а. paved shoulders in both directions
 - Construct a northbound left turn lane on Chester onto westbound **b**. Pages Dairy Rd.
 - Construct an eastbound right turn lane on Pages Dairy Rd onto C, southbound Chester Road.
 - Reconstruct existing northbound right turn lane at Starfish Dr. d.

e. Reconstruct existing northbound right turn lane at Heron Isles Parkway

B. PROJECT SCOPE

- 1. Data Collection
 - a. Geotechnical Four (4) Pavement cores and six foot deep auger borings will be performed. Laboratory classification testing, index property testing and LBR tests will then be performed on samples obtained from the borings to help classify the soils and allow correlations with various engineering properties. An engineering report will be prepared that will include a review of available project information, a discussion and results of the conducted field and laboratory services, a discussion of site and subsurface conditions, recommendations for pavement milling depth, and resurfacing and recommendations for remediation of any distressed pavement.
 - b. Survey / Right -of-Way Mapping The consultant shall provide survey services within the projects limits as follows:
 - a. Establish Horizontal and Vertical Control.
 - b. Establish Baseline of survey.
 - c. Establish project Benchmarks.
 - d. Locate existing right-of-way lines.
 - e. Design Survey within project limits, right-of-way line to right-ofway line, including all above ground features together with drainage structures.
 - f. Survey sub-surface (underground) utilities within project limits.
 - g. Provide survey data by electronic files.
 - c. Traffic Data Traffic data from the Transportation Impact Fee Study will be utilized for the design of his project and thus no additional data will be necessary.
- 2. Project General Tasks
 - a. Notice to Proceed Meeting The Consultant team shall prepare for and attend one Notice to Proceed Meeting with Nassau County staff.

b. **Project Status Meetings** - The appropriate members of the Consulting team shall attend up to three monthly progress meetings with the County staff to discuss project progress and status, upcoming events and activities. The purpose of these meetings is to maintain clear communication between the County and the Project Team. The Consultant shall prepare and distribute meeting minutes following each of these meetings.

- c. Other Coordination Meetings The appropriate members of the Consulting team shall attend other additional meetings with adjacent agencies and/or their consultants as appropriate.
- d. **Project Schedule** The Consultant shall prepare and submit a project schedule for this project identifying major tasks, their duration and tasks relationships. The schedule shall be updated monthly and at other appropriate intervals.
- e. **Invoices/Progress Report** Invoices shall be prepared in the format prescribed by the County. Progress reports shall be submitted with each monthly invoice.
- f. **Quality Assurance/Quality Control** The Consultant shall designate appropriate staff to conduct Quality Assurance/Quality Control (QA/QC) reviews of all work products prior to submittals to the County.

3. Roadway Analysis and Plans

The Consultant will perform the necessary roadway analyses and prepare construction plan sheets, notes and details for a complete set of roadway construction documents to convey the intent and scope of the project for the purposes of construction. The consultant will develop a pavement design based on the existing traffic data provided by the County and pavement cores obtained as part of this scope. Included herein are also the analyses, plans and design details necessary for a safe and effective Maintenance of Traffic (MOT) Plan to move vehicular, traffic during all phases of construction. The design will be prepared in accordance with the FDOT Green Book, County Standards and the FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System (Topic No. 625-010-003), latest editions, as applicable. This task will also include the preparation of Standard Specifications and Special Provisions.

Drainage Analysis

The Consultant will provide final drainage design services necessary to design roadside ditches that will support the proposed roadway improvements. The consultant's drainage analysis includes the following provisions:

- a. The Consultant will be responsible for the preparation of final design analyses for a complete drainage system. All design work will be in compliance with the FDOT Drainage Manual, County Standards, and the requirements of the regulatory agencies. This work includes only the design of roadside ditches as other improvements are assumed not to be required.
- b. The Consultant will meet with the SJRWMD to verify the assumption that since this is project is classified as a safety improvement, no permit and associated stormwater treatment facilities will be required and thus are not included herein.
- c. The Consultant will account for all off-site drainage currently flowing to the roadway and accommodate for same in the design.
- d. The Consultant will provide a signed and sealed Drainage Design Report. It will be a record set of all drainage computations, both hydrologic and hydraulic.
- 4. Utility Coordination

The Consultant shall be responsible for coordinating all design with the affected utility companies in order to minimize utility conflicts. The following services will be included:

- a. Utility Coordination The Consultant shall coordinate with the known private and public utility companies within the project corridor and obtain plans of their existing facilities within the project limits. The consultant shall re-contact these utilities and submit 60% design plans that include all known existing utilities. The consultant shall make a final contact with these utilities to submit 90% plans that show all existing and proposed utility relocations.
- b. Subsurface Utility Exploration A visual Inspection has been made along the anticipated project construction limits. There is no evidence of underground utilities, thus no SUE's are anticipated nor included in this scope of work.
- 5. Signing and Pavement Marking Analyses and Plans

The Consultant will perform the necessary signing and pavement marking analyses and prepare construction plan sheets, notes and details for a complete set of signing and pavement marking documents to convey the intent and scope of the project for the purposes of construction.

6. Signalization Analyses and Plans

N/A as none are anticipated.

7. Permitting

The Consultant will be responsible for obtaining the following permits:

- a. The CONSULTANT shall submit the application for a National Pollutant Discharge Elimination System (NPDES) General Permit within 60 days of NTP.
- b. St. Johns River Water Management District
 - a. Attend and facilitate a pre-design meeting within 30 days of NTP.
 - b. The consultant shall submit for a formal exemption from the stormwater permitting requirements of St. Johns River Water Management District under Chapter 40C-42.0225 (5)(c) F.A.C. within 60 days of NTP.
 - c. No jurisdictional wetland mitigation or other such permitting issues are anticipated for this project. Should any such ecological science services be required of the Consultant, they will be included in addition to this scope and fee.
 - d. The consultant shall be responsible for responding to any requests for additional information regarding the above permit submittal.
- c. First Coast Railroad (FCRR) at Grade Railroad Crossing Permit, efforts to entail the following:
 - a. Pre-application meeting with First Coast Railroad within 30 days of NTP
 - b. Coordination with design elements to meet FCRR's needs (roadway, grades, MOT considerations).
 - c. Prepare and submit permit application with FCRR within 60 days of NTP.

- d. Facilitate and attend review meetings and follow up with FCRR as necessary including responding to any requests for additional information regarding the above permit submittal.
- 8. Roadway Lighting Analyses and Plans

Not included herein.

9. Landscape Analyses and Plans

Not included herein.

10. Right of Way Mapping

Not included herein except as previously described.

11. Construction Cost Estimate

To be provided at 60% and final plan stages.

12. Bid Phase Services

The Consultant will prepare a bid package including front end documents, special provision and specification for the bidding of this project. The consultant will also formally respond to questions during the bidding phase of the project and prepare a recommendation of the lowest qualified bidder based on the county prepared bid tabulations.

13. Post Design Services

The Consultant will provide post design services to include shop drawing review and approval, response to contractor RAI's, as-built review and certification and filing of a NOT upon completion of the project.

C. PROJECT DELIVERABLES

The Consultant shall contact the County prior to making a submission to verify the number of copies to submit. Up to Five draft copies of the construction and required supporting documents (reports, design calculations, letters, memos, etc.) will be submitted at the 60%, 90% and final stages of design.

D. PROJECT SCHEDULE

All elements contained in this scope shall be satisfactorily completed and submitted to the County within 120 calendar days of the NTP from the County, excepting Bid

Phase and Post Design services which shall be performed in a timely manner, as required and prior to billing for those services.

E. COMPENSATION

Consultant will perform the scope of services outlined in the King report for a lump sum fee of **\$XX.XXX**.

Consultant will perform the scope of services for the proposed pedestrian facilities for a lump sum fee of **\$XX.XXX**.

F. COUNTY RESPONSIBILITIES

- a. Documents- The County shall provide access to any available plans, maps and other pertinent information under its control essential to the satisfactory completion of the work indicated herein.
- b. Reviews- The County will provide timely reviews of the Consultant's work in accordance with the schedule agreed upon between the County and the Consultant. Each review period by the county shall be two weeks, at which time all comments will be forwarded to the Consultant.

G.Assumptions

- a. This effort included in this scope is not intended to meet the FDOT or the Federal NEPA process.
- b. This effort does not include any Contamination investigations or analysis. If areas are identified during the Phase I study requiring further analysis, they will be addressed separately.
- c. Utility relocation design services are not included in this scope of work. If relocations and/or upgrades are identified as necessary by utility agencies, the relocation design work will be addressed separately.
- d. Wetland mitigation and/or threatened and endangered species mitigation efforts and/or designs are not included with this scope. If necessary, efforts will be addressed separately
- e. The County will be responsible for all agency permitting and/or application fees. These costs are not part of The Consultant's scope and proposal.



ESTIMATE OF WORK EFFORT AND FEE

Chester Road

	Ĩ	Project Management		Engineer III		Engineer li			Designer			Clerical				ject Totals			
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3f Pay Item Quantities		2	\$	327.14	0	\$	-	8	5	974.64	16	\$	1.475.20	0	\$	-	26	\$	2,776.98
3g Specifications		2	\$	327.14	0	\$		12	\$	1,461,96	0	\$	-	24	\$	1,320.96	38	ŝ	3,110.06
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TASK 5 - UTILITY COORDINATION												•			<u> </u>	,		<u> </u>	
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TASK 13 - POST DESIGN SERVICES												<u> </u>							
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ESTIMATE OF WORK EFFORT AND FEE Chester Road Sidewalk

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TASK 1 - DATA COLLECTION				·									
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1b Survey / ROW Mapping							N/A						\$-
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TASK 2 - PROJECT GENERAL TASKS			a data da			19.1	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	1.50	<u>, , , , , , , , , , , , , , , , , , , </u>		<u> </u>		
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NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS Contract Management Department 96135 Nassau Place, Suite 6 Yulee, Florida 32097 904-491-7377 Fax: 904-321-2658 Charlotte J. Young, CPPB Contract Manager cyoung@nassaucountyfl.com

Dawn Krass Contract Specialist dkrass@nassaucountyfl.com

Chrissy McDaniel Office Specialist cmcdaniel@nassaucountyfl.com

December 2, 2009

Post, Buckley, Schuh and Jerigan, Inc. Michael E. Holcomb, P.E. 7406 Fullerton Street, Suite 350 Jacksonville, Florida 32256

Re: Notice to Proceed Continuing Contract for Professional Engineering Services Contract No. CM1414 Work Authorization #'s: CM1414-WA05

Dear Mr. Holcomb,

This letter shall serve as the official Notice to Proceed for design services for Chester Road from Home Depot Drive to Heron Isles Parkway (CM1414-WA05). The effective date of the Notice to Proceed is hereby established as December 2, 2009.

All work must be conducted in strict accordance with the contract specifications, terms and conditions.

If you have any questions, please do not hesitate to contact me.

Sincerely,

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Charlotte J. Young, CPPB Contract Manager

cc: Scott Herring, Director of Engineering Services John A. Crawford, Ex-Officio Clerk