

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20030995

1. REQUESTED MOTION:

ACTION REQUESTED: Approve Change Order No. 4 to Contract #1064, with Post Buckley Schuh & Jernigan, Inc., for CN-99-12 Sanibel Causeway Improvements Study, for a total not-to-exceed amount of \$319,738.39.

WHY ACTION IS NECESSARY: Board approval required.

WHAT ACTION ACCOMPLISHES: Increases contract to cover the re-evaluation of the PD&E Report that was approved by the Board on June, 2001 based on Board concurrence to replace Span A.

2. DEPARTMENTAL CATEGORY:

09. Transportation

COMMISSION DISTRICT #:

C9C

3. MEETING DATE:

09-02-2003

4. AGENDA:

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:

5. REQUIREMENT/PURPOSE:
(Specify)

- STATUTE
- ORDINANCE
- ADMIN. CODE *AC-4-4*
- OTHER

6. REQUESTOR OF INFORMATION:

- A. COMMISSIONER
- B. DEPARTMENT *Transportation*
- C. DIVISION
- BY: *Scott Gilbertson, Director*

7. BACKGROUND:

On the Board meeting of October 12, 1999, the Board entered into a contract for CN-99-12 Sanibel Causeway Improvements Study, to Post, Buckley Schuh & Jernigan, Inc., for a contract amount of \$1,072,613.72.

The following is a summary of the existing Change Orders approved to date:

Change Order No. 1, was approved on October 9, 2001 for non-personnel reimbursable expenses in the amount of \$64,619.00.

Change Order No. 2, was approved in the amount of \$175,000.00.

Change Order No. 3, was approved on June 11, 2003 to add additional sub-consultants to Exhibit D. There was no amount added by this Change Order.

Approval is required for this Change Order No. 4 under CN-99-12 Sanibel Causeway Improvements Study, Lee County Contract #1064, in the not-to-exceed amount of \$319,738.39 with PBS&J. These services increase the contract to cover the re-evaluation of the PD&E Report that was approved by the Board on June, 2001 based on Board concurrence to replace Span A.

Funds will be available from account string: 20581442133.506510

Attachments: Change Order #4 for Execution (3 originals)

8. MANAGEMENT RECOMMENDATIONS:

9. RECOMMENDED APPROVAL:

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services <i>8/20/03</i>				G County Manager
					OA	OM	Risk	GC	
<i>8/20/03</i>	<i>[Signature]</i>	N/A	<i>AD 8/20</i>	<i>Andrea Fraser</i>	<i>ebw 8-20-03</i>	<i>AS 8/20/03</i>	<i>ws 8/20/03</i>	<i>MS 8/20/03</i>	<i>[Signature] 8-20-03</i>

10. COMMISSION ACTION:

- _____ APPROVED
- _____ DENIED
- _____ DEFERRED
- _____ OTHER

Rec. by CoAtty
Date: *8/20/03*
Time: *3:50 pm*
Forwarded To:
Budget 8/20/03 3:55pm

RECEIVED BY
COUNTY ADMIN *EW*
8-20-03
4:00
COUNTY ADMIN
FORWARDED TO
PL
8/20/03
10:30 AM

LEE COUNTY PROFESSIONAL SERVICE/SERVICE PROVIDER AGREEMENT
CHANGE ORDER/SUPPLEMENTAL TASK AUTHORIZATION

Change Order
 Supplemental Task Authorization

NO.: 4

(A Change Order or Supplemental Task Authorization Requires Approval by the Department Director for Expenditures Under \$25,000 or Approval by the County Manager for Expenditures Between \$25,000 and \$50,000 or Approval by the Board of County Commissioners for Expenditures over \$50,000)

CONTRACT/PROJECT NAME: Sanibel Causeway Improvements Study

CONSULTANT: PBS&J PROJECT NO.: 5814

SOLICIT NO.: CN 99-12 CONTRACT NO.: 1064 ACCOUNT NO.: _____

REQUESTED BY: Paul Wingard

DATE OF REQUEST: 7/22/03

Upon the completion and execution of this Change Order or Supplemental Task Authorization by both parties the Consultant/Provider is authorized to and shall proceed with the following:

EXHIBIT "CO/STA-A: SCOPE OF PROFESSIONAL SERVICE: DATED: July 22, 2003

EXHIBIT "CO/STA-B: COMPENSATION & METHOD OF PAYMENT: DATED: July 22, 2003

EXHIBIT "CO/STA-C: TIME AND SCHEDULE OF PERFORMANCE: DATED: July 22, 2003

EXHIBIT "CO/STA-D: CONSULTANT'S/PROVIDERS ASSOCIATED
SUB-CONSULTANT(S)/SUB-CONTRACTORS: DATED: July 22, 2003

EXHIBIT "CO/STA-E: PROJECT GUIDELINES AND CRITERIA: DATED: July 22, 2003

It is understood and agreed that the acceptance of this modification by the CONSULTANT/PROVIDER constitutes an accord and satisfaction.

RECOMMENDED:

By: Paul Wingard 7/24/03
Department Director Date

By: Curtis 7/29/03
Contracts Mgmt Date

ACCEPTED:

By: [Signature]
Consultant/Provider

Date Accepted: 7/23/03

Corporate Seal

John B. Zumwalt
President

COUNTY APPROVAL:

By: _____
Department Director
(Under \$25,000)
Date Approved: _____

By: _____
County Manager (Between
(\$25,000 and under \$50,000)
Date Approved: _____

By: _____
Chairman
Board of County Commissioners
Date Approved: _____

APPROVED:

By: _____
*County Attorney's Office Date

*County Attorney signature needed
for over Board level expenditures only.

CMO:023
09/25/01

- CHANGE ORDER AGREEMENT No. 4
or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-A"

Date: July 22, 2003

SCOPE OF PROFESSIONAL SERVICES

for Sanibel Causeway Improvements Study

(Enter Project Name from Page 1 of the
Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) TO PROFESSIONAL SERVICES

The "Scope of Professional Services" as set forth in Exhibit "A" of the Professional Services Agreement, or Service Provider Agreement, referred to hereinbefore is hereby supplemented, changed or authorized, so that the CONSULTANT or SERVICE PROVIDER, shall provide and perform the following professional services, tasks, or work as a supplement to, change to, or authorized to, the scope of services previously agreed to and authorized:

1.0 Public Involvement: Change Order to add small group/agency/public officials meetings, presentations, Public Workshop, and Public Hearing for the reevaluation of the previously approved Preferred Alternative for Structure A on the Sanibel Causeway.

2.0 Engineering: Reevaluate the previously approved Preferred Alternative for Structure A on the Sanibel Causeway and make a recommendation for a replacement bridge type. This work phase includes engineering and structural evaluation, updating construction cost estimate and life cycle costs, and traffic modeling. This Change Order also adds Taylor Engineering Inc. to the contract for peer review and data collection for navigational and hydraulic evaluation

3.0 Environmental: An environmental document will be produced for approval by the U.S. Coast Guard. This Change Order also adds Taylor Engineering Inc. to the contract for peer review and data collection for navigational and hydraulic evaluation.

4.0 Associated Expenses

*Attach additional pages, if needed.

SANIBEL CAUSEWAY IMPROVEMENTS STUDY

Lee County Contract Number: 1064

SCOPE OF SERVICES

Phase II – Reevaluation of Rehabilitation Alternative for Bridge A

I. STUDY OBJECTIVE

A. General Objective

The general objective of the study is to provide documented information necessary for the COUNTY to reach a decision on the type, design, and location of improvements to the transportation facility. Data and evaluations from the original Sanibel Causeway Improvements Study, Phase I results and other data will be utilized to reevaluate the previous Preferred Alternative and to document a new Preferred Alternative. The Project Development Process shall follow the FDOT Project Development and Environment Manual (PD&E Manual), published July 1, 1988, and all subsequent revisions. This Scope of Services will establish which items of work described in the PD&E Manual are specifically included in this contract, and also which of the items of work will be the responsibility of the CONSULTANT and which will be the responsibility of the COUNTY. The project is expected to take 6 months.

The detailed information generated during the reevaluation will be analyzed, evaluated and comprehensively documented in report Addenda as well as the Environmental Document, evaluating impacts and estimating costs associated with the improvement of the transportation facility. Preliminary location and design recommendations will include alignments, typical sections, right-of-way requirements, and estimated ROW and construction costs. The CONSULTANT will recommend the Preferred Alternative based on this process.

The services performed by the CONSULTANT shall be in compliance with all applicable COUNTY or FDOT manuals and guidelines and updates, per the original Scope of Services.

The CONSULTANT is encouraged to seek and bring to the attention of the COUNTY unforeseen information and issues which are relevant to the project decision. The CONSULTANT shall abstain from indicating preferences for any alternative prior to the Public Hearing.

The CONSULTANT shall respond to third party requests for information relative to the project or services being performed at the direction and with approval of the COUNTY.

The CONSULTANT shall perform the necessary coordination with Federal, State, County and City agencies administering community facilities and services at the direction and with approval of the COUNTY. The CONSULTANT shall also identify other citizen's groups, businesses, civic organizations, and minorities, which would have an influence upon the study and the preparation of the environmental documentation as directed by the COUNTY.

The CONSULTANT may be called upon to prepare the content of letters from COUNTY personnel

to other agencies, public officials, etc. The CONSULTANT shall mark development plans per individual property owner requests, etc., regarding the effect of the project on the properties in question as directed by the COUNTY. The CONSULTANT shall make the maximum use of existing and current information/mapping from State, regional, and local agencies, private sources and their own files/observations, as well as the original PD&E Study materials.

B. Specific Project Objective

The study area is Sanibel Causeway from 400 ft. south of the southern end of Structure C to 1,000 ft north of the Sanibel Causeway toll plaza.

The CONSULTANT is expected to work closely with the COUNTY to determine the most appropriate improvement option for Bridge A. The CONSULTANT will first determine the feasibility of repairing or rehabilitating the bridge in Phase 1. As repairing or rehabilitation the bridge has been determined not to be a viable option, the life cycle costs and impacts will be compared among bridge replacement options in order to determine the Preferred Alternative among the replacement options.

The CONSULTANT should anticipate that the required level of environmental documentation to be a federal Environmental Assessment/FONSI. Should an Environmental Impact Statement (EIS) be required, additional services may be required.

II. PUBLIC INVOLVEMENT

Public Involvement is an important aspect of the Project Development Process. Public Involvement includes communicating to all interested persons, groups, and government organizations information regarding the development of the project. The CONSULTANT shall coordinate and perform the appropriate level of Public Involvement for this project as outlined in the following sections.

A. Kickoff Letter

An introductory Kickoff Letter will be mailed by the CONSULTANT to local and agency officials. This letter will notify officials of the commencement of the Study Reevaluation.

B. Public Meetings

The CONSULTANT shall provide support as necessary for the COUNTY to hold various public meetings, which may include:

- Coordination Meetings (interagency)
- Local Government Coordination Meetings or Presentations
- Board of County Commissioners (BOCC)
- Small Group Meetings (Homeowners Associations, Civic Clubs, etc.)
- Public Workshop
- Public Hearing

For any of the above type meetings, the CONSULTANT shall prepare and/or provide as necessary:

- Scripts or agenda for presentation
- Graphics for presentation
- Meeting equipment (Setup and take down)
- Legal display advertisements (The CONSULTANT will pay the cost of publishing)
- Draft letters for notification of elected and appointed officials
- News releases (For use three to five days prior to meeting)
- Expert testimony from qualified individuals
- Preliminary Engineering Renderings of proposed improvements.

1. Unscheduled Meetings and Presentations

The CONSULTANT and their staff shall be available with no less than five (5) workdays notice to attend meetings or make presentations at the request of the COUNTY. Such meetings and presentations may be held at any hour between 8:00 a.m. and 12:00 midnight on any day of the week. The number of public meetings (including presentations to civic groups, chambers of commerce, business guilds, mariner groups, etc.) necessary to obtain public comment will depend on the scope of the project. Up to four (4) unscheduled meetings or presentations may be given. The CONSULTANT may be called upon to provide maps, press releases, advertisements, audiovisual displays and similar materials for such meetings.

2. Coordination Meeting with Local Officials or Governing Boards

It is specifically required that the Environmental Document shall show evidence of coordination with the local Metropolitan Planning Organization (MPO) or equivalent body. This coordination is accomplished by presentations to the BOCC. Presentation materials for BOCC meetings may include the Conceptual Design Plans, display boards, and audio/visual presentations.

Up to two (2) meetings shall be held as necessary or when requested by local officials prior to the Public Hearing to apprise local officials of the project status, specific location and design concepts, and to receive and document their comments.

3. Combined City Council/BOCC Presentation

Between the Public Hearing and the

C. Public Workshop

The purpose of the Public Workshop is to present to the public the results of the reevaluation to date and obtain comments on the three bridge replacement Alternatives. It is possible that the citizens may suggest additional alternatives.

The workshop is to be advertised and conducted as an informational meeting. The CONSULTANT will actively participate in any portion of the presentations. The CONSULTANT shall attend the workshop and prepare all necessary displays, maps, scripts, etc. All presentations (script and graphics), media releases, legal display advertisements, and general (mass) property owner letters will be reviewed and authorized by the COUNTY.

A black-and-white, quarter-page legal display advertisement announcing any meeting shall be prepared and submitted to the COUNTY for approval. The CONSULTANT shall have published the advertisement in the area newspaper(s) having the largest daily circulation. Notification shall be made by the CONSULTANT to elected and appointed officials by letter on Lee County stationery fourteen (14) days before the workshop. All advertising and mailing costs are the responsibility of the CONSULTANT.

The workshop format shall be developed by the CONSULTANT and will be approved for review by the COUNTY. The CONSULTANT will prepare displays or wall graphics for use during the workshop. These include typical sections, aerials, profiles, charts, and graphs, as needed. A slide presentation script shall be written by the CONSULTANT and used in association with the graphics in the slide presentation produced by the CONSULTANT. The slide show script shall be professionally narrated and synchronized. The CONSULTANT shall prepare a project brochure for distribution at the workshop.

Meeting equipment setup and take down shall be handled by CONSULTANT staff members familiar with audiovisual equipment and the facilities available at the workshop site. Briefing of the staff (who will be on hand during the workshop) shall be done just before the workshop to make sure the staff is up to date on the project and understands the study well enough to discuss it with the public and to answer questions. Conducting the workshop will take knowledgeable staff and shall require enough staff members to handle the crowd anticipated for the workshop. Although the workshop may be scheduled for a certain time period, staff shall be available for some time before and/or after those set hours in order to maintain public contact or for media interviews, etc. All audiovisual equipment costs and facility rental costs are the responsibility of the CONSULTANT.

The identification of issues brought up at the workshop is an integral part of the Workshop Debriefing Process, which should be attended by all staff members taking part in the workshop process and talking with the public. Once issues have been identified from the workshop, their significance shall be analyzed. Issues will be researched further if they are valid enough for further consideration or if they have elements which may require further consideration. Addressing the issues and responding to them is also an integral part of the workshop process. This task involves letter writing, the preparation of a follow-up newsletter, the placement of an advertisement, distribution of news releases, or any other appropriate technique.

D. Public Hearing

A formal Public Hearing, as required by Federal and State laws, shall be held in accordance with Part 1, Chapter 8-2.7 of the PD&E Manual. All of the tasks accomplished by the CONSULTANT shall be reviewed by the COUNTY.

The CONSULTANT shall attend the hearing and prepare all necessary displays, maps, handouts, scripts, etc. It is at this hearing that the public can formally offer comments concerning the project. The hearing is divided into sections:

- One hour period prior to the hearing when staff is available to answer questions
- Formal presentation
- Recess to answer any further questions
- Public testimony

Also, the CONSULTANT staff shall be available after the hearing to answer questions. The hearing will be moderated by COUNTY staff unless otherwise directed. The moderator will give an introduction to the slide presentation and moderate the various parts of the hearing to include answering any questions which may arise during public testimony.

Quarter-page legal display advertisements shall be published by the CONSULTANT in the area newspaper(s) having the largest daily circulation. These shall be prepared and published by the CONSULTANT, at least 21 days before the hearing and between 5 and 12 days before the hearing. Notification to elected and appointed officials (City, County, State and Federal) and other interested persons shall be prepared and mailed by the CONSULTANT. This process involves the identification of any affected, possibly affected, and interested parties early in the study process. This includes the identification (from County tax rolls) of Sanibel and Captiva Island property owners and those requesting to be on the mailing list, pursuant to the provisions of Florida Statute 339.155. This activity shall begin immediately after the Notice to Proceed and be coordinated with the needs of the environmental components of this Scope of Services. Media in the project area should be identified and placed on a mailing list to be used for news releases, advertisements or any project concerns. The CONSULTANT is responsible for mailing and advertising costs.

Engineering and environmental reports and Conceptual Design Plans for the Preferred Alternative(s) shall be put on display at least twenty-one days before the day of the hearing. They shall be prepared and delivered to the person or agency displaying them by the CONSULTANT.

The CONSULTANT shall prepare graphics to be used during the hearing. The display rolls (usually two complete sets) shall depict the Conceptual Design Plans for the Preferred Alternative(s) to be presented at the hearing. Among the items to be shown on display rolls are the existing and proposed right-of-way lines (existing lines green, proposed red), proposed roadways, typical sections, planning segments, community facilities, potential contamination sites, potential relocations, and natural features. Other display boards are to be prepared to show the project location, evaluation matrix, floodplain areas, economic evaluation and project schedule. The CONSULTANT shall prepare and reproduce a project brochure to be given to those attending the hearing. The brochure shall contain a summary of the project, typical sections, etc. and standard information that will be provided by the COUNTY.

A PowerPoint slide presentation will be used. The presentation script shall be written by the CONSULTANT and used in association with the graphics in the slide presentation produced by the CONSULTANT. The script shall be professionally narrated with the tape synchronized with the

slide presentation. Hearing equipment setups and dismantling is the responsibility of the CONSULTANT.

The CONSULTANT shall attend the hearing with sufficient staff to explain the Preferred Alternative(s) and associated impacts. Identifying the issues raised at the hearing involves debriefing the staff which participated in the hearing.

The CONSULTANT shall obtain, and pay for court reporters and for the Public Hearing Transcript. Preparing the Public Hearing Transcript includes collecting and copying letters received after the hearing but before the public response deadline and collecting and copying affidavits of publication of the legal display advertisements, preparing the hearing certification and copying the entire transcript package. If appropriate, the CONSULTANT shall prepare responses to all comments received during the hearing and before the public response deadline as long as they are not duplicates. These responses will be submitted to the COUNTY for approval and mailing.

E. Public Involvement Data

The CONSULTANT will be responsible for the collection of Public Involvement data and the preparation of the Mailing List early in the Study Reevaluation. The Mailing list should include:

- Any affected or possibly affected parties
- Elected and appointed officials in the area (City, County, State) and community leaders
- Possible permit and review agencies
- Media in the project area (to be used for news releases, advertisements or any concerns)
- Any person or institution expressing an interest in the project

The collection of public input occurs throughout the life of the project and requires maintaining of files, newspaper clippings, letters, and especially direct contacts before, during and after any of the public meetings. In addition to collecting public input data, the CONSULTANT shall assist the COUNTY in preparing responses to any public inquiries as a result of the Public Involvement Process.

F. Special Public Involvement Requirements

1. Identify and Inspect Public Meeting Sites

Prospective sites for any meetings to be held shall be inspected for suitability. Consideration shall be given to location, seating capacity, sound system, lighting, display space and any other physical characteristics which would influence the viability of this site, including compatibility with the terms of the Americans with Disabilities Act of 1990. Possible Public Hearing sites should be catalogued. Sites which have characteristics more suitable to a Public Hearing (than a more informal information workshop) shall be catalogued. The CONSULTANT shall make all arrangements for use of the meeting facility for the Public Hearing including payment of any rental fees, if applicable.

2. Correspondence

The CONSULTANT may be asked to prepare written responses to agency or public correspondence. Within three days of the receipt or mailing of all written correspondence between the CONSULTANT and any party pertaining specifically to this study, copies shall be provided to the COUNTY for their records.

3. Newsletters

No Newsletters will be prepared.

4. Comments and Coordination Report

The Comments and Coordination Report prepared for the original Study shall be amended to include, as a minimum, documentation of the public participation accomplished throughout the Reevaluation Study period. This report addendum should summarize and respond to the comments received from the Public Involvement, Advance Notification, coordination with government officials and agencies, small group and public meetings, etc. as per Part 2, Chapter 31 of the PD&E Manual.

5. Location Design Concept Acceptance and Public Notice

The Draft Environmental Document shall be submitted to the U.S. Coast Guard (USCG) for review and comment. Once all comments have been satisfied, the USCG conceptually approves the final Environmental Document to be finally approved concurrent with permitting application and approval. A Location and Design Concept Acceptance (LDCA) notification shall be prepared by the CONSULTANT according to Part 1, Chapter 8-2.7.4 of the PD&E Manual. A quarter-page legal display advertisement is published in the area newspaper(s) having the largest daily circulation (The same newspaper(s) the Public Hearing was advertised in). The notice is published and paid for by the CONSULTANT. Review by the COUNTY prior to publication is required.

6. Project Web Site

<http://www.lee-county.com/sanibelbridge/>

The COUNTY will be responsible for any updates to the existing project web site.

G. US Coast Guard Coordination

The CONSULTANT shall be responsible for coordinating with the USCG, submit documents for review, and revise documents per USCG comments. It is expected two coordination meetings will be required.

III. ENGINEERING DATA COLLECTION, ANALYSIS, REPORTS

The CONSULTANT shall perform the services outlined in this section necessary to reevaluate the previously evaluated engineering alternatives that satisfy the project's need. This effort consists of

updating and collecting essential data, analyzing and comparing viable alternatives, and documenting engineering decisions and recommendations. The CONSULTANT shall coordinate and perform the appropriate level of engineering analysis for this project as outlined in Part 1, Chapter 9 of the PD&E Manual and the following sections. Prior to performing any data collection activities outside of the existing right-of-way, verbal contact shall be made with all affected property owners, including government entities through either an in person visit or a telephone call.

A. Engineering Data Collection

Immediately following the Notice to Proceed, the CONSULTANT shall begin preliminary assessments of the study area from an engineering and environmental standpoint. This activity consists of collecting various information and materials relative to the performance of engineering and environmental analyses within the study area. The information should include all data necessary to perform adequate evaluation of the location and design of an improved transportation facility for the study area. Section IV, below, details the environmental data collection, analysis and reports.

1. Aerial Photography

The CONSULTANT shall utilize the existing aerial photography collected during the original Study as a basis for plotting various data necessary for both engineering and environmental analysis, Alternatives analysis, and the presentation of the preliminary Conceptual Design Plans. Aerial photography is the prime source of information used to convey project considerations to the public at public meetings. The following scales of black & white aerial photography are to be used for this project:

- 1" = 100' - For the Study Area Base Map(s), the Conceptual Design Plans, land use and property ownership inventory, ecological community delineation, and Public Hearing displays.
- 1" = 200' - For report graphics, engineering and environmental analysis, Study Area and Alternative analysis, and coordination meetings.

2. Existing Highway and Bridge Characteristics

This task includes updating data on pertinent study area physical features and conditions. Most of this information is available from the COUNTY, however, other references including field observations and interviews with knowledgeable people will yield additional data. COUNTY sources include project files, contract documents, right-of-way maps, Straight Line Diagrams, Roadway Characteristic Inventory, Bridge Inspection Reports, Scour Reports, Maintenance Logs, Work Orders, and drainage maps.

The CONSULTANT shall be responsible for procuring all the engineering and other data necessary to conduct a Reevaluation and prepare an Environmental Document, including engineering evaluation. The CONSULTANT shall update the CADD data base, supported by computer spread sheets, that includes all existing highway and bridge characteristics noted above, as appropriate. CADD data base information shall be compatible for use on aerial photography used for Public

Hearing displays, Study Area Base Maps, and Conceptual Design Plans.

3. Alternatives Evaluation

The alternatives are identified as the “No-Build” (Maintenance), and “Replacement” options, as identified in the original PD&E Study. The Replacement alternatives include a fixed-span bridge and different height bascule bridges, on left and right alignments. The CONSULTANT will reevaluate Replacement build alternatives with the previously recommended typical section. These alternatives are described below. No new alternatives will be evaluated.

- No-Build (Maintenance) Alternative - This alternative is the continued repair, when necessary, maintenance and operation of the bridge structure in its present configuration and shall include an estimate of the remaining useful life under the present program. This alternative is required to be carried through the Public Hearing.
- Low-Level Bascule – This alternative proposes rebuilding the bascule Bridge A with similar vertical navigational clearances as the existing bridge (26 ft). same system of bridges and spoil islands with essentially the same navigational clearances, heights, and widths. The new structures could have breakdown shoulders, a new bascule span, and trestle sections strong enough to withstand tidal storm surges, and be elevated above the salt spray zone.
- Mid-Level Fixed Span – This alternative proposes a fixed span (70 ft. navigational clearance) bridge over the Okeechobee Waterway navigation channel. The new structure would have breakdown shoulders, and trestle sections strong enough to withstand tidal storm surges, and be elevated above the salt spray zone.
- Mid-Level Bascule – This alternative proposes a replacement bascule bridge with a vertical navigation clearance of 50 ft. The new structure would have breakdown shoulders, a new bascule, and trestle sections strong enough to withstand tidal storm surges, and be elevated above the salt spray zone.

An engineering write-up within the Environmental Document will be prepared discussing the alternatives evaluated, the cost associated with implementation, remaining service life, and impacts, including development of an evaluation matrix. The evaluation will include updating all costs and the appropriate economic comparison to a common future year for the No-Build, Rehabilitation, and Replacement alternatives. The analysis will also detail when any future major repairs and/or bridge analysis studies should be necessary. The minimum acceptable service life for analysis is 20 years. The evaluation will include provisions for improved navigational safety and USCG recommendations related to Homeland Security.

4. Navigation & Marine Data

The CONSULTANT shall be responsible for procuring all the navigation, marine and other data necessary to conduct the Study Reevaluation. This includes obtaining input from local mariners.

Close coordination with the US Coast Guard and US Army Corps of Engineers may be required to verify or update the proposed horizontal clearance requirements of a new bridge alternative at this location. Bridge tender records will be reviewed by the CONSULTANT for the years since the original study was performed to update vessel types passing under bridge A, mast heights and ship impacts.

The CONSULTANT will also evaluate navigational difficulties associated with channel width and alignment, water current velocities, tidal influence, and other navigational issues to formulate recommendations for addressing span length, channel width (fender to fender), pier protection measures, and fender damage due to ship impact, and other issues relating to Homeland Security.

5. Drainage

The study reevaluation will not include evaluation of potential pond sites.

B. Engineering Analysis

Utilizing the data collected as part of this Scope of Services, the CONSULTANT shall perform the engineering analysis necessary to complete the project reevaluation.

1. Project Purpose and Need

The CONSULTANT shall update the purpose and need for the facility improvements considering the outcome of Phase 1.

2. Design Traffic

The CONSULTANT shall review the recent traffic data provided by the COUNTY for the study area, as appropriate to verify and, if necessary, evaluate the intersection and toll facility design recommendations for the Replacement Alternatives. The CONSULTANT shall review traffic counts provided by the COUNTY for intersections at Periwinkle Way and Punta Rassa Road. The CONSULTANT shall, summarize the counts, develop daily peak hour volumes, adjusted for daily and seasonal factors, and prepare data for use in Vissim modeling, as described below. A traffic coordination meeting may be required at COUNTY offices.

2a. Traffic Coordination Meetings

The CONSULTANT will attend two telephone meetings and one coordination meeting in Tampa.

2b. Traffic Data Collection

The CONSULTANT shall verify field conditions to determine the average toll collection service rate at the plaza for cash lanes. The information will be used to build and calibrate the existing conditions model. It is assumed that the COUNTY will provide toll data including the fare structure and

transaction percentages (transponder lane versus cash lanes).

2c. Model Development

This task includes development of Vissim simulation model for three Sanibel Causeway alternatives including two bascule alternatives and one fixed-span bridge alternative for existing year design hour traffic conditions (total of six models). The total corridor length is approximately four miles in length, including the signalized intersection at Punta Rassa Road in Punta Rassa and the unsignalized intersection at Periwinkle Way on Sanibel Island. The model will include the proposed re-design of the toll plaza just west of the Punta Rassa Road intersection and the proposed bridge alternatives, including two bascule alternatives that will be simulated using a signalized condition.

2d. Additional Analysis for 2-lanes Off and Periwinkle Intersection

Additional modeling will be performed for the following situations:

- Fixed Span Bridge Alternative: Additional modeling will be developed to simulate intersection improvements at the Periwinkle intersection. This alternative, in essence, removes all traffic constraints for traffic exiting Sanibel Island.
- Bascule Bridge Alternatives: Additional modeling will be developed to simulate conditions assuming there are two lanes off the island. This alternative, in essence, attempts to mitigate for the opened bridge to facilitate traffic leaving Sanibel Island.

2e. Presentation Preparation

The CONSULTANT will create multiple 3-Dimensional video clips in AVI format for each alternative to be used for public presentations. The video clips can be set up to simulate a “fly-by” along the corridor, have a static viewpoint, or have an “in-car” perspective. The AVI files can be played directly from Microsoft Windows Media Player or be imbedded into a PowerPoint presentation.

2f. Output Results

Summary tables of detailed Measures of Effectiveness (MOE's) gathered from the simulation output to be used to compare alternatives. MOE's could include travel time, intersection delay, number of stops, and average speeds of vehicles in the along the Sanibel Causeway.

2g. Presentation

The CONSULTANT will provide one staff member familiar with the Vissim evaluation for two public presentations in Lee County.

3. Study Area Base Maps

The CONSULTANT shall plot, delineate and label pertinent cultural and natural and geopolitical features bordering the existing alignment on 1"=100' aerial photography for subsequent use in the

evaluation and development of the Conceptual Plans. The maps shall be suitable for use as a backdrop to the conceptual designs of each alternative to portray project information at small group meetings. The Study Area Base Maps must include, at a minimum:

- Number of lanes, signals, crosswalks, existing intersections, and drainage and utility easements;
- Street names and highway numbers;
- All pertinent cultural and natural features and land use information;
- Locate north arrow, scale and aerial flight date at upper-mid portion of the plan sheets;
- Existing and proposed rights of way and platted property lines;
- All public and private development;
- Significant features which could be impacted by the project, especially wetlands and endangered species habitat;
- Hazardous material and petroleum use sites;
- All land use information (names of establishments, etc.);
- New data as it becomes available to keep the Study Area Base Maps up to date.

4. Conceptual Design Analysis

The CONSULTANT is expected to work closely with the COUNTY to determine the most appropriate improvement option for the Sanibel Causeway Bridge A. As repairing or rehabilitation of the bridge is not a viable option, the service life cycle costs and impacts will be compared among bridge replacement options in order to determine a new Preferred Alternative. The CONSULTANT may be required to develop costs to permanently replace existing damaged spans in place in addition to other repairs to the existing bridge in order to compare to build alternatives.

The CONSULTANT shall reevaluate previously identified alternatives for the bridge structure giving due consideration to water currents, wave action, bridge hydraulics, construction impacts, temporary and permanent environmental impacts, navigation, scour, ROW, utilities, cost, permits, and homeland security measures. The CONSULTANT shall address other design related considerations when applicable including utilities, erosion protection, and aesthetics. The evaluation alternatives shall include the repair of existing structure in place in addition to replacement alternatives. Other options shall be addressed as questions are raised by others.

4a) Two Lanes Off Island Memorandum

A Technical Memorandum will be prepared by the CONSULTANT to address the implications of studying two lanes off the island, and any implications to the NEPA process (i.e. schedule, coordination, reevaluation of previous Preferred Alternative) that studying this process could cause.

The CONSULTANT shall identify the nonviable alternatives and provide documentation for rejection. The viable alternative/s shall be further evaluated.

5. Alternatives Evaluation and Selection

For each feasible alternative the CONSULTANT shall verify or update as necessary:

- Horizontal and vertical alignment;
- Typical section;
- Preliminary right-of-way costs;
- Preliminary drainage to the extent of identifying required outfalls;
- Existing and proposed utility location to the extent they affect the decision process;
- Preliminary structure concepts and locations;
- Costs and economic viability;
- Other such design features as may be pertinent.

a. Alignment

The previously-proposed alignments will be reevaluated to determine continued viability.

b. Structures/Bridge Analysis

The CONSULTANT is required to give recommendations for the bridge concepts under consideration. The concepts recommended shall, as a minimum, include:

- Assessment of the existing structures for repair, rehabilitation, or replacement;
- Horizontal plan view;
- Vertical clearance;
- Vertical elevation (profile) view (existing and proposed);
- Bridge typical section;
- Bridge overall length;
- Service life cost analysis on all existing and proposed structures;
- Construction and CEI costs;
- Scour protection measures;
- Pier protection measures.

The CONSULTANT shall evaluate all bridge structure needs. The evaluation shall include each of the following to the extent necessary to identify the viable Alternative(s):

- List the alternative structural design concepts considered (i.e., replacement, rehabilitation, movable, fixed) and the basis for elimination of any as not being feasible or cost effective;
- Update construction costs for alternative concepts. List assumptions (i.e., layout, beam type, etc.). This should include cost of construction engineering inspection (CEI). Other economic factors (new bridge service life, inflation, etc.) shall be consistent with the original Study;
- Conceptual layouts depicting plan and elevation as a minimum shall be submitted;
- The CONSULTANT shall provide recommendations to the COUNTY'S Project Manager for review and approval;

- Evaluate emergency repairs if necessary to prolong the service life of the existing bridge until construction of a replacement bridge is complete.

6. Cost Analysis

The CONSULTANT shall update cost estimates for each feasible alternative, including:

- Construction and CEI cost estimates for all feasible alternatives;
- Estimates of life-cycle costs and B/C analysis for operation and maintenance of feasible alternatives.
- As original right-of-way cost estimates were provided by the COUNTY, updated estimates of right-of-way acquisition costs, including cost estimates for relocations and business damages, shall be provided by the COUNTY;

7. Comparative Analysis of Design Alternates

After reevaluating the viable alternatives and costs, the CONSULTANT will prepare a matrix comparing the significant impacts and costs of the viable alternatives evaluated with a recommendation of the most viable alternative(s). The CONSULTANT shall present their recommendations to the COUNTY for consideration. The COUNTY will determine which viable alternative(s) will be evaluated further through the Public Involvement Process and environmental analysis.

The types of information evaluated in this task include:

- Construction and CEI costs - Develop the construction costs estimate; include cost for engineering supervision.
- Right-of-way costs, business damages and relocation costs - Estimates will be prepared to include land value, severance, court awards, settlements, and data relative to business damages. The COUNTY shall furnish estimates for all viable alternative(s).
- Preliminary Engineering Costs - Estimated cost to prepare construction plans.
- Impacts to cultural features, historic and archaeological sites.
- Wind Speed and bridge closure for the various bridge heights.
- Economic Evaluation - Prepare benefit/cost analysis as necessary.
- Drainage Features - Identify major drainage features and the requirements for obtaining permits inherent in each Design Alternative.
- Environmental Impacts - Analyze impacts, such as air, noise, water pollution, wetlands and floodplain encroachment, etc.
- Traffic Impacts - Determine LOS for each viable alternative for design year.
- Navigational effects.

8. Final Recommendation of Proposed Alternative

After the public hearing, the CONSULTANT shall recommend a Preferred Alternative based on a review and analysis of all engineering, environmental, and Public Involvement issues related to the

project. The final Preferred Alternative will be presented to the BOCC and the USCG.

C. Permits

The CONSULTANT shall identify required permits and coordinate with permitting agencies (SFWMD, USCG, USFWS, ACOE, FDEP) to resolve agency concerns.

IV. ENVIRONMENTAL DATA COLLECTION, ANALYSIS & REPORTS

The CONSULTANT shall perform the services outlined in this section necessary to update the environmental consequences or impacts of viable alternatives being considered to satisfy the project's need. This effort consists of collecting essential data, analyzing and comparing viable alternatives, and documenting environmental impacts and recommendations coincidentally with the engineering data collection and analyses. The CONSULTANT shall coordinate and perform the appropriate level of environmental analysis for this project as outlined in the PD&E Manual and the following sections. Prior to performing any data collection activities outside of the existing right-of-way, verbal contact shall be made with all affected property owners, including government entities. This contact shall consist of either an in-person visit or a telephone call. The CONSULTANT shall notify the COUNTY and the USCG prior to any field visits.

A. Environmental Data Collection

Upon Notice to Proceed, the CONSULTANT shall continue the data collection effort commenced during Phase I. The data gathering consists of collecting various information and materials needed for the environmental analysis. The information should include all data necessary to perform adequate reevaluation of the social, natural and physical impacts in determining the location and design of a transportation facility. The CONSULTANT shall update the existing CADD database including all existing environmental features. This information is to be included on the Base Maps. Utilizing this data, the CONSULTANT shall perform the environmental analysis necessary to reevaluate the environmental impacts of the proposed project alternatives. The environmental analysis will be performed concurrently with the engineering analysis and the reevaluation of viable alternatives.

B. NEPA Document

The CONSULTANT shall document the results of the environmental data collection and analysis performed as part of this Scope of Services in reports as detailed below. The environmental reports prepared by the CONSULTANT will comply with all the procedures listed in Part 1 of the PD&E Manual and include all content described in Part 2 of the PD&E Manual. Especially important to the CONSULTANT'S work effort will be the "impact" sections of the Environmental Document, which provides the scientific and analytic basis for the comparison of viable Alternatives. The task of documentation includes the preparation of draft reports and documents by the CONSULTANT for review and comment by the COUNTY prior to producing final reports and documents.

The CONSULTANT shall submit the draft reports to the COUNTY for review. It is expected that

there will be no more than two (2) drafts required before the documents will be considered acceptable. The CONSULTANT shall anticipate the necessity of revisions to the draft reports based on review comments from the COUNTY, USCG, and agency and Public Hearing comments.

After the National Environmental Policy Act (NEPA) documentation is approved by USCG, the CONSULTANT shall update the environmental reports as necessary and provide the designated number of documents required for distribution.

1. Advance Notification

If required after Phase 1, The CONSULTANT will be responsible for preparation of the Advance Notification Package as described in Part 1, Chapter 2 of the PD&E Manual for this project, to be mailed by the COUNTY. Copies of the package and all responses received shall be provided to the CONSULTANT by the COUNTY.

2. Environmental Document

An Environmental Assessment/Finding of No Significant Impact (EA/FONSI) is expected to be the highest level of environmental documentation required for this project. The CONSULTANT shall prepare an EA as described in Part 1, Chapter 4 of the PD&E Manual. After the EA is accepted by the COUNTY, it must be sent to USCG with all the supporting documents for their review and comment. The CONSULTANT must address all comments made by USCG. Once the USCG has approved the document, the CONSULTANT will prepare a FONSI for USCG approval

C. Project Schedule

Within ten days after the Notice to Proceed, the CONSULTANT shall provide a schedule of calendar deadlines accompanied by an anticipated payout curve.

D. Progress Reporting

The CONSULTANT, with appropriate sub-consultants, will meet with the COUNTY on a regular basis and provide written progress reports and other presentation materials, which describe in detail the work performed on each task. Progress reports shall be delivered to the COUNTY concurrently with the monthly draft invoice.

The CONSULTANT is expected to provide the COUNTY with a project schedule. The CONSULTANT shall discuss with the COUNTY what project line items should be included in the project schedule.

E. Quality Control

The CONSULTANT shall be responsible for insuring that all work products conform to COUNTY standards and criteria. This shall be accomplished through an internal quality control process performed by the CONSULTANT. This quality control process shall insure that quality is achieved

through checking, reviewing, and surveillance of work activities by objective and qualified individuals who were not directly responsible for performing the initial work.

F. Submittals

The CONSULTANT shall provide copies of the required documents as listed below. The quantity of draft reports and the first submittal of final reports should be three. Only when requested by the Project Manager should the total number of final reports be submitted. The numbers listed below are the anticipated printing requirements for final reports for this project. This tabulation will be used for estimating purposes, and the COUNTY’S Project Manager will determine the number of copies required prior to each submittal.

<u>Document</u>	<u>Qty</u>
Environmental Assessment	10
FONSI	10
Conceptual Design Plans	10
Public Hearing Transcript	06
Comments and Coordination Memorandum	10

Upon completion of the study, the CONSULTANT shall compile and deliver to the COUNTY a comprehensive project file including all project correspondence, data, maps, sketches, worksheets, and other materials used or generated during the study process.

V. SERVICES TO BE PERFORMED BY THE COUNTY

The COUNTY will provide those services and materials as set forth below:

- Project data currently on file;
- Engineering standards and review services;
- Environmental standards and review services;
- All available information in the possession of the COUNTY ;
- All future information which may come to the COUNTY during the term of the CONSULTANT’S agreement and which, in the opinion of the COUNTY, is necessary to the prosecution of the work;
- Available crash data, ship impact data, and bridge tender logs;
- Traffic data, including full turning movement counts at Periwinkle Way and Punta Rassa Road intersections;
- Right-of-Way estimates;
- Approval of all contacts with environmental agencies;
- Any other pertinent information on file.

CHANGE ORDER AGREEMENT No. 4
 or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-B"

Date: July 22, 2003

COMPENSATION AND METHOD OF PAYMENT

for Sanibel Causeway Improvements Study

(Enter Project Name from Page 1 of the
 Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) IN COMPENSATION

The compensation the CONSULTANT, or SERVICE PROVIDER, shall be entitled to receive for providing and performing the supplemented, changed or authorized services, tasks, or work as set forth and enumerated in the Scope of Services set forth in this CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto shall be as follows:

NOTE: A Lump Sum (L.S.) or Not-to-Exceed (N.T.E.) amount of compensation to be paid the CONSULTANT should be established and set forth below for each task or sub-task described and authorized in Exhibit "S/COA-A". In accordance with Professional Services Agreement Article 5.03(2) "Method of Payment", tasks to be paid on a Work-in-Progress payment basis should be identified (WIPP).

Task Number	Task Title	Amount of Compensation	Indicate Basis of Compensation LS or NTE	If Applicable Indicate (W.I.P.P.)
1	Public Involvement	\$110,848.97	NTE	
2	Engineering	\$85,171.35	NTE	
3	Environmental	\$78,506.81	NTE	
4	Expenses	\$45,211.26	LS	
TOTAL		\$319,738.39	NTE	

(Unless list is continued on next page)

CHANGE ORDER AGREEMENT No. 4
 or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-C"

Date: July 22, 2003

TIME AND SCHEDULE OF PERFORMANCE

for Sanibel Causeway Improvements Study

(Enter Project Name from Page 1 of the
 Change Order or Supplemental Task Authorization Agreement)

SECTION 1.00 CHANGES FOR THIS CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT

The time and schedule of completion for the various phases or tasks required to provide and perform the services, tasks, or work set forth in this CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", entitled "Scope of Professional Services" attached hereto is as follows:

Phase and/or Task Reference as Enumerated in EXHIBIT AA=	Name or Title of Phase and/or Task	Number of Calendar Days For Completion of Each Phase and/or Task	Cumulative Number of Calendar Days For Completion from Date of Notice to Proceed For this CO or STA
1	Public Involvement	180	180
2	Engineering	180	180
3	Environmental	180	180
4	Expenses	180	180

CHANGE ORDER AGREEMENT No. 4
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-D"

Date: July 22, 2003

CONSULTANT'S, OR SERVICE PROVIDER'S, ASSOCIATED SUB-CONSULTANT(S) AND SUBCONTRACTOR(S)

for Sanibel Causeway Improvements Study

(Enter Project Name from Page 1 of the Change Order or Supplemental Task Authorization Agreement)

CONSULTANT, or SERVICE PROVIDER, intends to engage the following sub-consultant(s) and/or sub-contractor(s) to assist the CONSULTANT, or SERVICE PROVIDER, in providing and performing the services, tasks, or work required under this CHANGE ORDER, or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT.

(If none, enter the word "none" in the space below.)

Service and/or Work to be Provided or Performed	Name and Address of Individual or Firm	Disadvantaged, Minority or Women Business Enterprise, (If Yes, Indicate Type)			Sub-Consultant Services are Exempted from Prime Consultant=s Insurance Coverage	
		Yes	No	Type	Yes	No
Navigational & Hydraulic Evaluation	Taylor Engineering, Inc.		x		x	

CHANGE ORDER AGREEMENT No. 4

or

SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-E"

Date: July 22, 2003

PROJECT GUIDELINES AND CRITERIA

for Sanibel Causeway Improvements Study

(Enter Project Name from Page 1 of the
Change Order or Supplemental Task Authorization Agreement)

As a supplement, or change, to the Project Guidelines and Criteria set forth in the Professional Services Agreement, or Service Provider Agreement, Exhibit "E", the COUNTY has established the following Guidelines, Criteria, Goals, Objectives, Constraints, Schedule, Budget, and/or Requirements which shall serve as a guide to the CONSULTANT, or SERVICE PROVIDER, in performing the professional services, tasks, or work to be provided pursuant to the professional services set forth hereinbefore in CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto:

(If none, enter the word "None" in the space below.)

ITEM No. 1

NONE