

1. **REQUESTED MOTION:**

ACTION REQUESTED: Approve Supplemental Task Authorization (STA) No. 6 to Hole Montes Inc. for CN-00-04 MISCELLANEOUS CIVIL ENGINEERING DESIGN AND/OR INSPECTION SERVICES (Contract No. 1461) for Imperial Street Improvements Four Laning Bonita Beach Road to East Terry Street in the amount of \$96,668.00.

WHY ACTION IS NECESSARY: Pursuant to the Lee County Contract Manual, approved by the Board on September 25, 2001, the Board is required to approve all Supplemental Task Authorizations in excess of \$50,000.00 to Professional Services Agreements.

WHAT ACTION ACCOMPLISHES: Will enable the Consultant to provide additional work for Imperial Street improvements four laning Bonita Beach Road to East Terry Street.

2. **DEPARTMENTAL CATEGORY:**

09 Transportation
COMMISSION DISTRICT #:

C9A

3. **MEETING DATE:**

12-17-2002

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:**

This supplemental Task Authorizations (STA) No. 6 provides additional services under CN-00-04 Miscellaneous Civil Engineering and/or Inspection Services. This Supplemental Task Authorization under CN-00-04 changes or supplements previously issued Supplemental Task Authorization No 4, which was approved in the amount of \$150,691.00, for a total amount to date of \$247,359.00.

Funds will be available from account string: 20406018808.506510

Attachments: Two (2) Supplemental Task Authorization Forms from Hole Montes Inc.

8. **MANAGEMENT RECOMMENDATIONS:**

9. **RECOMMENDED APPROVAL:**

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services 11/25/02				G County Manager
					OA	OM	Risk	GC	
2/1/02 <i>[Signature]</i>	<i>[Signature]</i>	N/A	SAD 11/20	<i>[Signature]</i>	<i>[Signature]</i> 11-21-02	<i>[Signature]</i> 11/25/02	<i>[Signature]</i> 11/21/02	<i>[Signature]</i> 11-21-02	<i>[Signature]</i> 11-20-02

10. **COMMISSION ACTION:**

- APPROVED
- DENIED
- DEFERRED
- OTHER

Rec. by CoAtty
Date: 11/21/02
Time: 11:45 AM
Forwarded To: Budget
11/21/02 3:00 PM

RECEIVED BY
COUNTY ADMIN. *[Signature]*
11-21-02
3:00
COUNTY ADMIN.
FORWARDED TO:
[Signature]

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

Change Order
 Supplemental Task Authorization

NO.: 6

(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: MISCELLANEOUS CIVIL ENGINEERING AND/OR INSPECTIN SERVICES
CN-00-04 IMPERIAL STREET IMPROVEMENTS FOUR LANING BONITA
BEACH ROAD TO EAST TERRY STREET

CONSULTANT: Hole Montes, Inc. PROJECT NO.: 4060

SOLICIT NO.: CN-00-04 CONTRACT NO.: 1461

ACCOUNT NO.: 204 0601 8808
502510

REQUESTED BY: Department of Transportation DATE OF REQUEST: 9/13/02

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: 10/03/02
- EXHIBIT "CO/STA-B: COMPENSATION & METHOD OF PAYMENT: DATED 10/03/02
- EXHIBIT "CO/STA-C: TIME AND SCHEDULE OF PERFORMANCE: DATED 10/03/02
- EXHIBIT "CO/STA-D: CONSULTANT'S/PROVIDERS ASSOCIATED
SUB-CONSULTANT(S)/SUB-CONTRACTORS: DATED 10/03/02
- EXHIBIT "CO/STA-E: PROJECT GUIDELINES AND CRITERIA: DATED 10/03/02

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

RECOMMENDED: [Signature] 11/19/02
 By: [Signature] Date
 Department Director
 ACCEPTED
 By: [Signature]
 Consultant/Provider
 Date Accepted: 10/28/02

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

APPROVED: _____
 By: _____
 *County Attorney's Office Date

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

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

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

- CHANGE ORDER AGREEMENT No.
or
 SUPPLEMENTAL TASK AUTHORIZATION No. 6

EXHIBIT "CO/STA-A"

Date: 10/03/02

SCOPE OF PROFESSIONAL SERVICES

For MISCELLANEOUS CIVIL ENGINEERING AND/OR INSPECTION SERVICES CN-00-04
IMPERIAL STREET IMPROVEMENTS FOUR LANING BONITA BEACH ROAD TO EAST
TERRY STREET

(ENTER Project Name form 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, change 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.

This Supplemental Task Authorization (STA) No. 6 provides changes and supplemental services under "CN-00-04 Miscellaneous Civil Engineering and /or Inspection Services". STA No. 6 changes and supplements the following task authorizations under "CN-00-04 Miscellaneous Civil Engineering and /or Inspection Services": STA No. 4 for Imperial Street Improvements Four Laning Bonita Beach Road To East Terry Street dated September 13, 2002, STA No. 3 for Imperial Street Improvements Four Laning Bonita Beach Road To East Terry Street dated March 19, 2002, and STA No. 2 for Imperial Street Improvements Four Laning Bonita Beach Road To East Terry Street dated November 5, 2001.

The CONSULTANT shall complete additional work for the Imperial Street Four Laning from Bonita Beach Road to East Terry Street, as follows.

SECTION 2.00 TASKS

Pursuant to the GENERAL SCOPE of the SERVICES stated hereinabove, the PROVIDER shall perform all services and/or work necessary to complete the following task(s) and/or provide the following item(s) which are enumerated to correspond to the task(s) and/or item(s) set forth in EXHIBIT "B", entitled "COMPENSATION AND METHOD OF PAYMENT"

EXHIBIT A

Date October 3, 2002

REVISED SCOPE OF SERVICES

IMPERIAL STREET FOUR LANING (BONITA BEACH ROAD TO EAST TERRY STREET)

TASK INDEX (Tasks Amended by this STA indicated in **bold** typeface)

- 1.00 Public Involvement Program**
- 2.00 Engineering and Land Surveys**
- 3.00 Geotechnical Services**
- 4.00 Environmental Inventory**
- 5.00 Traffic Data and Geometric concepts
- 6.00 Landscape Plans - Conceptual
- 7.00 Roadway and Bridge Plans**
- 8.00 Utility Relocation Plans**
- 9.00 Right-of-Way Plans**
- 10.00 Signalization and Street Lighting Plans
- 11.00 Signing and Pavement Marking Plans**
- 12.00 Flood Elevation Study
- 13.00 Permits**
- 14.00 Final Bidding and Contract Documents**
- 15.00 Advisory Services During Bidding
- 16.00 Post Design Services

TASK 1.00 - PUBLIC INVOLVEMENT PROGRAM

The CONSULTANT shall assist the COUNTY in conducting a Public Involvement Program. This task shall include the following:

- Assistance to the COUNTY in notifying elected and appointed officials in the local area, permit and review agencies, property owners, and other interested parties.
- Prepare exhibits, attend and participate in three Public Information Meetings conducted by the COUNTY. Prepare presentation boards with the alignment depicted thereon for use as visual aids during the meeting. Prepare a written narrative suitable for hand-out at the Public Information Meeting and for general information.
- It is anticipated that the first two public informational meetings will occur at the post 30% submittal phase and will address preliminary access management, alignment and landscape elements for the Imperial Street segment of the project.
- It is anticipated that the third public informational meeting will occur at the post 60%

submittal phase of the project and will address final access management, alignment and landscape plans for the Imperial Street segment of the project, and access management and alignment for East Terry Street.

TASK 2.00 - ENGINEERING AND LAND SURVEYS

The CONSULTANT shall perform engineering, land survey, and aerial photography services necessary for the subject project as outlined; reference all centerline survey control points' establish the bench line on National Geodetic Vertical Datum (1929) throughout the project and tie property lines to comply with Florida Department of Natural Resources Rule, Florida Administrative Code Chapter 16 Q-3 (Florida Statute 177 - Part Two). All horizontal data will be referenced to the State Plane Coordinate System, Florida West Zone, North American Datum of 1983 (N.A.D. 83), 1990 Adjustment.

Survey work shall be performed under the responsible charge of a Professional Land Surveyor registered in the State of Florida and shall be accomplished in accordance with the Florida Department of Transportation Policy 760.000-760.012, and Florida Department of Transportation Location Manual. Work must comply with the minimum technical standards for Land Surveyors Rule 21HH-6, Florida Statute 472.027; measurements of regular roadway cross-sections may be recorded on electronic data collection equipment. All surveys shall use FDOT's safety standards.

Task 2.01 Roadway Survey

The purpose of the roadway survey will be to provide engineering and land surveys necessary to establish the roadway alignments and intersecting streets within the project limits and obtain topography, cross sections, underground utilities, right-of-way, land ties, and required drainage information for existing and proposed drainage systems.

Task 2.02 Jurisdictional Wetlands Survey

After jurisdictional wetland lines have been flagged and verified by the agencies, the jurisdictional line will be located by GPS to submeter accuracy.

Task 2.03 Underground Utilities

Field locate existing underground utilities, based upon information provided in Task 8.01, only as deemed necessary to identify conflicts or potential conflicts with existing utilities during roadway and drainage construction. Horizontal and vertical location of underground utilities will be obtained prior to completion of Task 7.02. This task includes coordination with various utility companies and assumes that the respective utility shall be responsible for "pot-holing" said underground systems. The horizontal and vertical location of each utility will be documented, based on the "pot-holing"

performed by the respective utility company.

Task 2.04 River Mapping Survey

The purpose of the river mapping survey will be to provide engineering and land surveys necessary to establish the dimensions of the Imperial River and hydraulic structures at selected intervals within the model limits, and obtain topography, cross sections for existing and proposed drainage systems. This information will be used as a basis for building a hydraulic model to be used in TASK 12.00. The survey will cover approximately three river miles (Imperial River STA 234+00± to STA 421+00±). Cross sections will be surveyed at approximately every 1,000 feet and at every hydraulic structure (bridge, culvert, etc.).

TASK 3.00 - GEOTECHNICAL SERVICES

The CONSULTANT shall furnish soils investigation and analysis necessary for the design and preparation of construction plans for this project. All work shall be done in accordance with the Florida Department of Transportation Soils and Foundations Manual, and updates and related directives. A report shall be prepared with recommendations and pertinent soils data, including the water table, and shall be submitted to the COUNTY for its record. A draft copy of all reports shall be submitted to the COUNTY for its review and approval prior to project design completion.

Task 3.01 Soil Borings and Laboratory - Testing

- a) Soil Auger Borings shall be obtained at locations directed by the Consultant along the adopted alignment. Auger Borings with soil classifications shall be a minimum of 5 feet deep at no less than 200' intervals and a minimum of 15' deep at no less than 600' intervals. All auger borings are to stop if rock is encountered. Four (4) deep borings approximately 100' in depth will be completed beneath to establish engineering information in design of the bridge.
- b) Core the asphaltic concrete and base of the existing roadway on approximately 500 foot centers and measure each component type and thickness for the purpose of providing information to the contractor for pavement removal.
- c) In areas where unsuitable material, such as muck, is found, probings shall be taken at each station every 25 feet across the entire width of the proposed right-of-way to determine the extent of the unsuitable stratum.
- d) Laboratory testing, sufficient to enable a Geotechnical Engineer registered in the State of Florida, to analyze subsurface soil conditions and make design recommendations, shall be performed.

Such tests may include, but shall not be limited to, grain size analysis, Atterberg limits, organic content, etc. A minimum of two (2) LBR's per mile will be provided.

Task 3.02 Reports

Prepare a final geotechnical report based on the field and laboratory investigations summarizing the findings and providing recommendations and conclusions for roadway design and submit two (2) copies to the COUNTY for final review.

The report shall include the borings, laboratory test data sheets, data from all specialized tests, engineering analysis notes, and other pertinent information for use in future applications.

TASK 4.00 - ENVIRONMENTAL INVENTORY

The CONSULTANT shall furnish a report summarizing the impact of the project which may include Wildlife, Wetlands, and Archaeology sites of the project area.

The report shall address the following, as required:

Task 4.01 Environmental Inventory

- a) An inventory and survey of all protected species found within the above listed limits, in accordance with the Florida Game and Fresh Water Fish Commission Guidelines.
- b) An aerial of the wetland area within and adjacent to the above listed limits. This includes a vegetation map with FLUCCS codes.

Jurisdictional limits of permitting agencies such as, but not necessarily limited to, the Florida Department of Environmental Protection, the South Florida Water Management District and United States Army Corps of Engineers shall be shown as well as the extent of resource protection areas as defined by the Lee County Comprehensive Plan, Policy IX.D.5.

- c) Statement of findings of any archaeological sites.

TASK 5.00 – TRAFFIC DATA AND GEOMETRIC CONCEPTS

The CONSULTANT shall obtain and review the traffic data needed to design the project. The Consultant will forecast future traffic demands for all major corridors and major intersections within the study area. Future background traffic demands will be established for the year 2004, 2010 and 2020. Background traffic projections will be performed by utilizing historical traffic

data, established growth trends and modeling data on file with Lee County DOT, FDOT and SWFRPC. Design volumes will be based on K100, directional distribution and truck volume adjustments. This information will be utilized in order to establish proper lane configurations, signal timings, turn lane needs, etc.

A. This task includes the work and responsibilities required in connection with the project's transportation planning, analysis and design for the future construction of the Imperial Street Extension from Bonita Beach Road to East Terry Street. The Consultant shall perform those traffic engineering services required for the appropriate design of the project. The Consultant will locate and use the most current authoritative reports that provide qualitative data that can further define the various elements for the study area. The following reports are considered principal report data sources: Lee Transportation Study 2020 Plan, Lee County Comprehensive Plan, and the Southwest Florida Regional Planning Council- DRI Information Base. The Consultant shall further familiarize themselves with the study area by making location visits and performing turning movement counts at all major intersecting streets. This task also includes gathering data on pertinent corridor physical features and conditions.

B. The future traffic demands and needs will be established by the Consultant based on sound forecasting principals. The predictions will be analyzed, evaluated and documented in a report associated with the improvement of the corridor.

C. Design recommendations will be based on capacity analyses for both roadway links and intersections for design years 2004, 2010, and 2020. The traffic demands will be utilized in order to develop turn lane needs and traffic control devices for all intersections and driveways within the study area.

TASK 6.00 – LANDSCAPE PLANS - CONCEPTUAL

The CONSULTANT shall provide planning services and shall prepare conceptual plans for the development of median landscaping and/or landscaping buffers. The CONSULTANT shall assist the COUNTY Project Manager in scheduling and conducting one public information meeting with neighborhood groups and City officials (This task included in Task 1.00). Upon identifying the desired landscape elements, the CONSULTANT will prepare conceptual plans for the various elements identified at the initial meetings. These landscape elements will include street median plantings, landscape buffering and side road plantings.

The CONSULTANT shall prepare a report summarizing the results of the conceptual planning and development effort. The report shall include budgetary, opinions of probable construction cost for the various buffer elements as well as advantages, disadvantages and restrictions for each buffer element as they relate to the roadway construction. Based on the results of the report, the COUNTY shall select those landscape buffer elements or combinations thereof for final design and incorporation into the final roadway construction documents. Based on the selected buffer elements, a final design scope and fee for incorporation of landscape buffer elements into the construction documents shall be negotiated with the COUNTY as additional services.

TASK 7.00 - ROADWAY AND BRIDGE PLANS

The CONSULTANT shall furnish design services necessary to perform project design and prepare roadway plans, bridge plans and specifications as set forth in Exhibit E and in accordance with the highway design and plans preparation standards in effect on the date this Agreement is approved by the COUNTY and as set forth in the latest editions of the Florida Department of Transportation (FDOT) Standard Specifications, FDOT Roadway Plans Preparation Manual, FDOT Drainage Manual, FDOT Roadway and Traffic Design Standards, FDOT Structural Design Guidelines and Federal Highway Planning Manual, 6-7-3-2. Plans shall be accurate, legible and complete in design.

Roadway plans shall be prepared to include: plotting of survey data; establishment of profile grades; preparation of key map, plan-profile sheets (including geometric calculations), typical section sheets, summary of quantities (including computation booklet), maintenance of traffic plans, cross-section sheets (including earthwork computations), and other detail sheets necessary to convey the intent of the design for the Scope of Services outlined herein.

The CONSULTANT shall submit design notes and computations to document the design conclusions reached during the development of the final construction plans.

The design notes and computations shall be recorded in 8-1/2" X 14" computation sheets, fully titled, numbered, dated, indexed, and signed by the designer and checker. Computer output forms and other oversized sheets shall be folded or otherwise reduced to 8-1/2" X 11" size. The data shall be bound for submittal to the COUNTY.

Two (2) copies of the appropriate design notes and computations shall be submitted to the COUNTY at each plan review stage. When the plans are submitted for final review, the design notes and computations, corrected for any COUNTY comments, shall be resubmitted. At the project completion, a final set of the design notes and computations, shall be submitted with the record set of plans and tracings.

The design notes and calculations shall include, but not be limited to the following data:

1. Design criteria used for this project.
2. Geometric design calculations for horizontal alignment that is not included in the quantity computation booklet.
3. Vertical geometry calculations.
4. Drainage computations.
5. Earthwork calculations not included in the quantity computation booklet.
6. Documentation of decisions reached resulting from meetings, telephone conversations, or site visits.

7. Calculations of quantities for all items set forth in the Bid Form.
8. Pavement design.

Each drawing of each submittal shall be signed by the appropriate professional engineer for the type of work depicted on the drawings. Each set of plans and each page of the design computations and quantity computation shall be signed and checked by the appropriate design professional in accordance with the Florida Department of Transportation's Roadway Plan Preparation Manual, Chapter 19. Each submittal called for below shall be delivered with a transmittal letter signed by the CONSULTANT'S Project Manager stating that the submittal package is complete.

Work may not proceed on the next submittal until review comments from the COUNTY have been given to the CONSULTANT and appropriate modifications have been made by the CONSULTANT to the plans, designs, etc.

The CONSULTANT shall conduct project plan reviews with the COUNTY at the Grades and Geometrics (30%), Basic Plan (60%), and Detail Plan (90%) stages. Each review shall be a verbal presentation supplemented with the appropriate plans, displays or other visual aids. Plan development at the respective submittal stages shall conform to the following:

Task 7.01 Grades and Geometrics (30%)

The CONSULTANT shall submit to the COUNTY six (6) sets of plans (11" x 17"). The plans shall depict existing topographical features, existing right-of-way and easement lines, and shall contain the following:

- a) Plan and Profile Sheets (1" = 40').
- b) Existing project cross-section, (100' intervals) including cross-sections at all roadway and drive intersections.
- c) Drainage maps depicting existing drainage areas, existing drainage structures, and existing flow patterns (1" = 200').
- d) Proposed typical section or sections.
- e) Proposed preliminary intersection geometry.
- f) Proposed preliminary vertical alignment.
- g) Proposed preliminary median openings and any potential driveway/access problems
- h) Proposed preliminary additional right-of-way.

- i) Proposed roadway drainage facilities and conceptual stormwater quality treatment facilities.
- j) Proposed access management plan.
- k) A bridge development report (BDR) for the final alignment.

This task will be completed for improvements on East Terry Street only insofar as is required to complete Task 7.02. No Grades and Geometrics (30%) plan submittal will be prepared therefore.

Task 7.02 Basic Plans (60%)

The CONSULTANT shall submit to the COUNTY six (6) sets of plans (11" x 17"). The submittal shall contain all the information from the 30% Review including significant alignment revisions as directed by COUNTY after public involvement meetings and shall reflect development of:

- a) Design Cross Sections, (100' intervals) including cross sections at all roadway and drive intersections.
- b) Storm Drainage System
- c) Drainage Structures and Drainage Outfalls.
- d) Not used.
- e) Draft Construction Phasing Plan
- f) Bridge Foundation, Substructure, Superstructure and Approach Slab Plans
- g) Reports and calculations required to document design decisions reached during development of plans.

The submittal shall include all drainage calculations, storm water attenuation/detention requirements, storm sewer tabulation sheets, and a BUDGET ESTIMATE of the cost of constructing the project. All known utility conflicts shall be identified and the CONSULTANT shall notify affected utilities in accordance with Task 8.00, Utility Relocation Plan.

Task 7.03 Detail Plans (90%)

The CONSULTANT shall submit six (6) sets of plans (11" x 17") along with two (2) sets of draft bid documents including technical specifications to the COUNTY for review. The plan will incorporate significant alignment revisions as directed by

COUNTY after public involvement meetings and bridge plans as set forth in Exhibit E. The plans shall be complete construction plans including a plan for construction phasing, drainage structure "isometric" sheets and utility adjustments with the exception that quantity computation booklet and summary of quantities of all items required for the construction of the project will be made a part of the final contract document (Task 14.00). Reports and calculations required to document design decisions reached during the development of plans shall be submitted along with the plans.

The draft bid documents shall be reviewed by the COUNTY'S Department of Transportation, Purchasing Services, Legal Department, and Division of Risk Management for compliance with the County's procurement policies and practices, insurance requirements, and other regulations or requirements.

Task 7.04 Project/Design Coordination Meetings

The CONSULTANT shall meet with the City of Bonita Springs or other public agencies, neighborhood groups or other private groups as requested by the COUNTY to coordinate the design of the project with affected parties. A maximum of six (6) meetings are anticipated.

TASK 8.00 - UTILITY RELOCATION PLANS

The requirements of the various utility services shall be recognized and properly coordinated by the CONSULTANT during the project design. The CONSULTANT shall provide to the COUNTY such representation and technical assistance as may be necessary for coordination and/or negotiation with utility owners or other public agencies affected by the project. Utility adjustment plans shall be prepared on the roadway plans to show the proposed utility locations when adjustment is required. The required utility adjustments will be designed by each utility and provided by the affected utilities (water, sanitary sewer, power, gas, electrical, telephone, cablevision, etc.) on prints of roadway plans provided to the utility by the CONSULTANT after the basic plan review. The contract schedule (Exhibit "C") is based upon receipt of the relocation design from the utilities within 90 calendar days from submission of the roadway Basic Plans to the utilities for their use in showing their proposed adjustments. Copies of all correspondence to or from all utilities shall be supplied by the CONSULTANT to the COUNTY. Work under this task shall include the following:

Task 8.01 Utilities Notification

Upon completion of the Grades and Geometrics (30%) review, a certified, return receipt requested letter will be sent by the CONSULTANT to each utility which may have facilities installed within the project corridor, transmitting a set of 30% plans and requesting the Utility to submit plans of existing and proposed facilities and submitting their comments relative to the proposed project. This task will be not be completed and will be combined with Task 8.02 for design of improvements on East Terry Street.

Task 8.02 Utility Coordination

The CONSULTANT shall, by certified, return receipt requested mail, send Basic Roadway Plans (60%) to each utility for their review requesting them to return plans showing additions or corrections to existing facilities and their proposed relocations where adjustments are necessary.

Task 8.03 Final Utility Relocation Plans

Upon receipt of plans reviewed and signed off by the Utilities within 90 calendar days after written request is made, any additions and/or corrections will be made to the roadway plans. Utility adjustments provided by the Utilities will be shown in the CONSULTANT'S Detail Plans submittal. If the CONSULTANT receives no response within 60 days of submission to the Utilities, CONSULTANT shall so notify the COUNTY. The COUNTY shall then, by certified, return receipt requested mail notify said Utilities that the future costs of relocation, delays or redesign necessitated by their failure to respond shall be borne solely by them. Copies of such letters shall be given to the CONSULTANT.

TASK 9.00 - RIGHT-OF-WAY MAPS

The CONSULTANT shall prepare the right-of-way maps according to the Lee County Standards. Proposed right-of-way lines and easement lines will be shown on the construction plans. Right-of-way maps shall be referenced to the State Plane Coordinate System, Florida West Zone, N.A.D. 1983, 1990 Adjusted.

The COUNTY will provide all ownership and encumbrance reports to the CONSULTANT sufficient for use in preparing the right-of-way maps and legal descriptions. The COUNTY will provide copies of right-of-way maps in its possession. Plans will be submitted for review as follows:

Task 9.00 Maintained Right-of-way Mapping

Locate the areas along and adjacent to the used portions of Imperial Street currently maintained by COUNTY from Bonita Beach Road to East Terry Street excluding crossing streets, using boundaries established through coordination with designated COUNTY personnel. Boundaries on the map shall be labeled "Limits of County Maintenance". Provide six (6) sets of maintained right-of-way maps at 1"=20' scale and referencing the field located boundaries relative to planimetrics information, supplemental ties, and property boundaries.

Task 9.01 Preliminary Right-of-Way Maps

Four (4) sets of (11" x 17") right-of-way maps showing existing right-of-way

land ties shall be provided to the COUNTY for their review. The CONSULTANT shall identify necessary additional right-of-way, easements, or other land interests needed to construct and maintain the project and to meet requirements identified during the permitting agencies field review. Additional land requirements shall be shown and detailed by stationing and dimensioning on a reproducible copy of the right-of-way maps. These will include key maps (1" = 400') and detail plans (1" = 40) and shall be provided to the COUNTY at the Grades and Geometrics Plans (30%) review stage.

Task 9.02 Final Right-of-Way Maps

Four (4) sets of prints for final right-of-way plans, signed and sealed, will be provided by the CONSULTANT. Easements for grading outside the right-of-way to conform adjacent property to the proposed construction will be addressed as either necessary for construction, or as desirable for aesthetics. These plans include key maps (1"= 400'), detailed right-of-way maps (1"=40') and a sheet with a listing of takings for right-of-way and required construction and drainage easements. All takes will be quantified in acreage and square feet.

Consultant will also submit one (1) set of full size (24" X 36") mylars for the County's use.

Final right-of-way maps including roadway easements, shall be prepared and submitted by the CONSULTANT within sixty (60) calendar days subsequent to the receipt of the Basic Plans (60%) submittal review comments from the COUNTY.

Task 9.03 Legal Descriptions and Parcel Sketches

- a) Two (2) copies of a legal description and parcel sketch of each parent tract, acquisition parcel and remainder parcel required for right-of-way, mitigation/jurisdictional areas, drainage easement, construction easement or combination thereof shall be provided by the CONSULTANT at an appropriate scale, on 8-1/2" x 14" pages. It is estimated that there are 90 parcels adjacent to the alignment and that 58 parcels will be affected by the project. It is further estimated that partial takes will be required for up to 40 parcels with the remainder to be whole takes. For fee estimating purposes, it is assumed that 40 legal description and parcel sketches will be required. It is assumed that a legal description and parcel sketch will not be required for whole takes.

Legal descriptions and sketches shall be submitted within thirty (30) calendar days subsequent to County approval of final right-of-way maps.

Temporary construction easement agreements will be utilized for construction access outside of right-of-way limits. Completed agreement forms will be provided by the COUNTY with the exception that CONSULTANT will add to the agreement a description of each parcel to be affected. The agreement does not require an accompanying sketch and need not be signed or sealed. For fee estimating purposes, it is assumed that 35 such agreements will be required.

- b) Two (2) copies of a boundary survey of each acquisition parcel shall be provided by the CONSULTANT at an appropriate scale, on 11" x 17" pages. It is estimated that there are 58 parcels that will require acquisition due to the project. It is further estimated that partial takes will be required for up to 40 parcels with the remainder to be whole takes. For fee estimating purposes, it is assumed that 25 taking surveys will be required. The following fee schedule will be used:

Parcels 302-314, 320-332, 400-401:	\$350
Parcels 315-316, 318, 333-338, 505-510, 527-533:	\$550
Parcel 317:	\$2475
Parcels adjacent to East Terry Street:	\$450
Unlisted Parcels:	\$650

It is assumed that a taking survey will not be required for whole takes. Taking survey drawings shall be submitted within ninety (90) calendar days subsequent to County approval of final right-of-way maps.

Task 9.04 Right-of-Way Monumentation

- a) Monument and reference final right-of-way lines throughout project according to FDOT procedures.
- b) Assign coordinates to each right-of-way monument based on the state plane coordinate system and record on final right-of-way maps.

Task 9.05 MHW Elevation Survey and Filing

The CONSULTANT shall furnish a mean high water survey and provide appropriate documentation to the Florida Department of Environmental Protection (DEP) and COUNTY. A determination has been made by DEP that the area of the Imperial River in the region of the project is classified as sovereign submerged lands. It is understood through DEP that a mean high water tidal determination will not be required. CONSULTANT shall establish one tidal benchmark in the vicinity of the right of way on the bank

of the Imperial River, establish and tie the survey to a horizontal control line, and identify and mark the location of the mean high water elevation along the Imperial River. The mean high water elevation line will be extended to the proposed right-of-way boundaries. Two (2) 24" x 36" sized copies of a Mean High Water Survey drawing will be provided to COUNTY for use as a boundary survey, in addition to those required and provided by CONSULTANT to DEP. The drawings will be in accordance with DEP requirements.

TASK 10.00 – SIGNALIZATION AND INTERSECTION LIGHTING PLANS

The CONSULTANT shall furnish design services and prepare a complete set of construction plans for the signalization and street lighting of intersections identified by the COUNTY. Plans will be prepared in accordance with the latest standards and criteria of the Florida Department of Transportation and AASHTO's "Guide to Roadway Lighting" and submitted for review as follows:

Task 10.01 Signal Warrant Analysis and Pedestrian/School Crossing Counts

- a) A signal warrant analysis of the intersection of Imperial Street and East Terry Street will be prepared in accordance with the criteria in the Manual on Uniform Traffic Control Devices.
- b) A signal warrant analysis of the intersection of Imperial Street and Dean Street will be prepared in accordance with the criteria in the Manual on Uniform Traffic Control Devices. Mechanical vehicle counts will be performed at Pendleton, McKenna, Saunders, Pawley, and Chapman Avenues to account for future access restrictions on Imperial Street.
- c) Counts will be performed at Imperial Street and Dean Street to determine the number of pedestrians and school children crossing Dean Street at the intersection with Imperial Street. This information will be used to determine if the criteria of Warrant 4 or Warrant 5 of the MUTCD is met. Currently, Imperial Street is a two-lane roadway and pedestrians can cross at several intersections at or near Dean Street. When Imperial Street becomes a four-lane cross-section with sidewalks, Dean Street will become a major pedestrian crossing. Future counts may be more indicative of actual pedestrian patterns once the improvements to Imperial are constructed. Therefore, the counts may be performed in the future, depending on the results of analysis 10.01 b), above. Pedestrian Counts will be taken only when school is in session.

Task 10.02 - Basic Plans

Four sets of preliminary plans (11"x17") shall be submitted to the COUNTY for review and shall include plan sheets showing poles, signal heads, controllers, loop locations, light poles and luminaires. The submittal shall include intersection design volumes,

recommended signal phasing, timing, illumination intensity, and capacity analysis. These plans shall be submitted with the Basic Plans (60%) per Task 7.02.

Task 10.03 - Detail Plans

Four sets of final plans (11"x17") shall be submitted to the COUNTY for review with the Detail Plans (90%) per Task 7.03.

TASK 11.00 - SIGNING AND PAVEMENT MARKING PLANS

The CONSULTANT shall furnish design services and prepare construction plans (11" x 17") for traffic signs and pavement marking for the entire project. Submittals shall be made with the Basic Plans (60% submittal) per Task 7.02 and Detail Plans (90% submittal) per Task 7.03. Final plans shall be submitted with the final roadway plans in accordance with the Florida Department of Transportation Roadway and Traffic Design Standard for review. Four (4) sets of plans (11"x17") shall be provided at each submittal stage.

TASK 12.00 - FEMA FLOOD ELEVATION STUDY

Task 12.01 No-Rise Determination

The CONSULTANT shall model the Imperial River from the CSX Railroad Bridge downstream of SR887 (old US41) to the limit of the existing study at Bonita Grande Drive using the HEC-RAS computer hydraulic model, and apply this model to proposed project conditions, including the addition of a bridge at Imperial Street. This covers approximately three river miles (Imperial River STA 234+00± to STA 421+00±). A digital elevation model (DEM) will be created from digital contour data supplied by COUNTY. Flowlines, channel centerlines and banks will be established using GIS coverages. CONSULTANT will use existing hydrologic data from the model supplied by COUNTY to model the 100-year flood event using appropriate FEMA techniques. CONSULTANT will map the 100-year floodplain and floodway for the study reach according to FEMA Guidelines and Specifications. CONSULTANT will apply the effective model with the addition of a bridge structure at Imperial Street. Up to three (3) bridge alternatives will be modeled. The results of each bridge alternative will be evaluated for revisions to minimize impacts to flood elevations. CONSULTANT will meet with COUNTY to discuss the model and floodplain mapping results, and provide the final model, including proposed structure, to COUNTY. Approved FEMA floodway modeling techniques will be applied to the selected designs to determine if proposed conditions will meet FEMA "no-rise" criteria. If the selected design meets FEMA "no-rise" criteria, appropriate certification will be made to FEMA. Task 12.02 will not be required in this case. If the selected design does not meet "no-rise" criteria, Task 12.02 will be completed. Analysis and documentation prepared in this subtask will be used to provide a basis for the work in Task 12.02.

Task 12.02 Letter of Map Change

The CONSULTANT shall prepare a FEMA Letter of Map Change (LOMC) if modeling completed in task 12.01 does not support a "no-rise" determination. CONSULTANT shall prepare documentation and mapping for a LOMC including revisions to flood elevations, and showing the associated floodplain and floodway and provide this to FEMA. The 100-year flood boundary will be mapped on the most current contour map supplied by COUNTY. COUNTY will be responsible for FEMA processing fees for the LOMC, estimated to be \$3,500.

TASK 13.00 - PERMITS

The CONSULTANT shall prepare permit applications, data and drawings required for submittal by the COUNTY to all local, State and Federal agencies having permit jurisdiction including, but no limited to the Lee County Department of Community Development, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Department of Natural Resources, the U.S. Fish and Wildlife Service, Florida Game and Freshwater Fish Commission, the E.P.A., the South Florida Water Management District and the Florida Department of Transportation. All permits shall be obtained for the longest possible time frame.

Drainage design shall include storm water treatment and attenuation required to comply with the rules of the Florida Department of Environmental Protection and the South Florida Water Management District (S.F.W.M.D.). The prerequisite storm water permit applications shall be prepared in accordance with Chapter 17-25, REGULATION OF STORM WATER DISCHARGE, FLORIDA ADMINISTRATIVE CODE, and Chapter 40E-4 and 40-40 of S.F.W.M.D. The COUNTY shall review the permit applications and shall have a representative at all conferences between the CONSULTANT and the permitting agency, and shall be copied on all correspondence between the CONSULTANT and the permitting agencies. The CONSULTANT shall attend all meetings necessary for the submittal and approval of all permits.

The Coordination and permitting process shall be as follows:

Task 13.01 Permit Applications and Initial Meeting with Permitting Agencies

Permitting agencies shall be notified of the proposed project prior to submittal of Grades and Geometrics (30%) design. A meeting will be held with representatives of the agencies to review the proposed project in the field, locate limits of their respective jurisdictional areas and to obtain their comments and areas of concern which shall be included in the Grades and Geometrics Plans review with the COUNTY

Task 13.02 Permit Applications

Permit application form including required design information and data shall be completed by the CONSULTANT thirty (30) calendar days prior to the Detail Plans (90%) review, and submitted to the COUNTY for its approval

and appropriate signature. The CONSULTANT shall then submit the permit Application to the appropriate agencies after COUNTY approval of the Detail Plans (90%). The COUNTY shall pay all applicable application fees and the CONSULTANT shall advise the COUNTY well in advance of the application as to the amount of the permit fee so as not to delay the submission.

Task 13.03 Permit Revisions

The CONSULTANT shall respond to agency review comments, revise applications and Basic Plans, final right-of-way plans including legal descriptions and parcel sketches, and submit additional material required to support the proposed design if required, and coordinate with the COUNTY and permitting agencies to obtain approval of the permits. Such response shall be made within thirty (30) calendar days subsequent to the agency requests. Requirements of permitting agencies shall be incorporated into final contract documents including storm water treatment and attenuation as may be required.

Task 13.04 Management Plan/Incidental Take

If listed species are found on the site, then a management plan will be prepared to address the treatment of the listed species and/or occupied habitat on site. The specifics of the plan will depend on the species present and the density of individuals present. The plan could include relocation, on site preservation, incidental take or a combination of the options.

If either the FWS or the FWC intercede in the application review process, coordination will need to be initiated with these agencies. Fees to coordinate with these agencies and to meet with or provide additional information to these agencies are not included.

TASK 14.00 - FINAL BIDDING AND CONTRACT DOCUMENTS

Once the final roadway plans, and signing and pavement marking plans or other plans have been approved by the COUNTY and the COUNTY has received the needed permits, a final set of bidding and contract documents will be prepared for the construction of the improvement. This task will include the following:

Task 14.01 Final roadway and bridge plans as set forth in Exhibit E, a quantity computation booklet and summary of quantities, and CONSTRUCTION COST ESTIMATE.

Task 14.02 Final signing and pavement marking plans and signalization and lighting plans, summary of quantities, and CONSTRUCTION COST ESTIMATE.

- Task 14.03 Special provisions and other appropriate contract documents for roadway and bridge plans and specifications set forth in Exhibit E, to incorporate Florida Department of Transportation Specifications, U.S. Army Corps of Engineers, Department of Environmental Protection, and South Florida Water Management District requirements in the bid documents. Combine these special conditions and technical specifications with the COUNTY provided contract boilerplate. Special conditions to include certifications required by the CONTRACTOR to abide by all permit requirements and conditions.
- Task 14.04 Complete bidding and contract documents ready for bid including all forms, general conditions, all approved permits, and other material required by the Lee County Purchasing Manual, the County Contract Services, Legal Department and Risk Management.
- Task 14.05 Provide the COUNTY with three (3) sets of signed and sealed contract documents for the COUNTY records with electronic file disks compatible to the County system. All final plans are to be 11" x 17". The COUNTY will produce plans sets and contract document booklets for distribution during bidding.

TASK 15.00 - ADVISORY SERVICES DURING BIDDING

After approval of construction plans and bidding documents by the COUNTY, the CONSULTANT shall perform the following services:

- Task 15.01 Attend and participate with the COUNTY in scheduling and presenting a Pre-Bid Conference.
- Task 15.02 Respond to Bidders' inquiries and prepare addenda for issuance by the COUNTY.
- Task 15.03 Attend the bid opening conducted by the COUNTY. Evaluate the bids and bidders received by the COUNTY and Provide written recommendations to the COUNTY.
- Task 15.04 Provide the COUNTY with a Unit Price Bid Tabulation that shall include all bonafide bidders.

TASK 16.00 - POST-DESIGN SERVICES

During the construction phase, the CONSULTANT shall furnish professional services to ensure the integrity of the design intent as follows:

Task 16.01 Attend a pre-construction conference, provide assistance to County in conducting meeting, answering questions and provide necessary information.

Task 16.02 Site Visits

The CONSULTANT shall make visits to the site at intervals appropriate to the various stages of construction at the request of the County to observe as an experienced and qualified design professional the progress and quality of the executed work of Contractor(s) and to determine, in general, if such work is proceeding in accordance with the contract documents. A written report of each visit shall be prepared and submitted to the COUNTY within ten (10) Calendar days of the visit. A maximum of twenty-four (24) visits by the roadway design engineer are anticipated. A maximum of eight (8) visits by the bridge design engineer are anticipated. A maximum of one (1) visit by the traffic signal design engineer is anticipated.

Task 16.03 Shop Drawings

Review, reject and/or approve shop drawings, which each contractor is required to submit, but only for conformance with the design concept of the project and compliance with the contract documents. Also, determine the acceptability, subject to COUNTY approval, of substitute materials and equipment proposed by contractors. All this work will be scheduled, transmitted and received by the Construction Management Professional in accordance with the terms of his contract.

Task 16.04 Clarifications

The CONSULTANT shall respond to requests of the COUNTY, for necessary clarifications and interpretations of the contract documents. This task will also include the revisions to drawings and specifications necessary for any change order required during construction.

Task 16.05 Final Inspection

Participate, in a pre-final inspection for the purpose of determining if the project is substantially complete, and participate in the preparation of a written "punch list" of all incomplete, defective or deficient items of a written "punch list" of all incomplete, defective or deficient items. Participate in a final inspection together with COUNTY and Contractor representatives to assure that all "punch list" list items are completed and the work is indeed completed in accordance with all contract documents.

Task 16.06 Post Construction Surveying

NOT USED

Task 16.07 Record Drawings

The CONSULTANT shall prepare record drawings (11" x 17") reflecting revisions made during construction. The record drawings will be based upon the marked-up prints, drawings, and other data furnished by the CONTRACTOR to the COUNTY. CONSULTANT to provide electronic disks. These record drawings shall not show any changes from the original plans which do not exceed tolerances listed below:

Elevation Greater than .0833 Feet.
Horizontal Stationing Greater than 1.0 feet.
Distances Greater than 1.0 feet.
Structure Dimensions Greater than .0833 feet.
Indicate All Material Changes.
Indicate All Product Changes.

Based on record drawing information furnished by the CONTRACTOR, the CONSULTANT shall prepare certification letters to permit agencies.

Task 16.08 Warranty Inspection

NOT USED

- CHANGE ORDER AGREEMENT No.
or
 SUPPLEMENTAL TASK AUTHORIZATION No. 6

EXHIBIT "CO/STA-B"

Date: 10/03/02

COMPENSATION AND METHOD OF PAYMENT

for MISCELLANEOUS CIVIL ENGINEERING AND/OR INSPECTION SERVICES CN-00-04 IMPERIAL
STREET IMPROVEMENTS FOUR LANING BONITA BEACH ROAD TO EAST TERRY STREET

(ENTER Project Name form 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 (W.I.P.P.).

CHANGE ORDER AGREEMENT No.

or

SUPPLEMENTAL TASK AUTHORIZATION No. 6

Task Number	Task Title	Amount of Compensation	Indicate Basis of Compensation LS or NTE	If Applicable indicate (W.I.P.P.)
Task 1.00	Public Involvement Program	\$ 1,600.00	NTE	W.I.P.P.
Task 2.01	Roadway Survey	2,420.00	NTE	W.I.P.P.
Task 2.03	Underground Utilities	935.00	NTE	W.I.P.P.
Task 3.01	Soil Borings and Laboratory - Testing	1,201.00	NTE	W.I.P.P.
Task 3.02	Geotechnical Reports	317.00	NTE	W.I.P.P.
Task 4.01	Environmental Inventory	2,530.00	NTE	W.I.P.P.
Task 7.02	Basic Plans (60%)	22,850.00	NTE	W.I.P.P.
Task 7.03	Detail Plans (90%)	12,250.00	NTE	W.I.P.P.
Task 7.04	Project/Design Coordination Meetings	2,175.00	NTE	W.I.P.P.
Task 8.02	Utility Coordination	1,395.00	NTE	W.I.P.P.
Task 8.03	Final Utility Relocation Plans	1,820.00	NTE	W.I.P.P.
Task 9.01	Preliminary Right-of-Way Maps	5,280.00	NTE	W.I.P.P.
Task 9.02	Final Right-of-Way Maps	7,920.00	NTE	W.I.P.P.
Task 9.03	Legal Descriptions & Parcel Sketches	15,675.00	NTE	W.I.P.P.
Task 9.04	Right-of-Way Monumentation	2,750.00	NTE	W.I.P.P.
Task 11.01	Basic SPAM Plans (60%)	2,680.00	NTE	W.I.P.P.
Task 11.02	Detail SPAM Plans (90%)	2,100.00	NTE	W.I.P.P.
Task 13.02	Permit Applications	5,500.00	NTE	W.I.P.P.
Task 13.03	Permit Revisions	1,230.00	NTE	W.I.P.P.
Task 14.01	Final Roadway Plans	3,480.00	NTE	W.I.P.P.
Task 14.02	Final SPAM Plans	560.00	NTE	W.I.P.P.
TOTAL (Unless list is continued on next page)		\$ 96,668.00		

- CHANGE ORDER AGREEMENT No.
or
 SUPPLEMENTAL TASK AUTHORIZATION No. 6

EXHIBIT "CO/STA-C"

Date: 10/03/02

TIME AND SCHEDULE OF PERFORMANCE

for MISCELLANEOUS CIVIL ENGINEERING AND/OR INSPECTION SERVICES CN-00-04
IMPERIAL STREET IMPROVEMENTS FOUR LANING BONITA BEACH ROAD TO EAST TERRY
STREET

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

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 A	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
Task 1.00	Public Involvement Program	110/110	110
Task 2.01	Roadway Survey	30/60	30
Task 2.03	Underground Utilities	30/60	60
Task 3.01	Soil Borings & Laboratory - Testing	30/40	30
Task 3.02	Geotechnical Reports	10/40	40
Task 4.01	Environmental Inventory	40/40	40
Task 7.02	Basic Plans (60%)	60/90	90
Task 7.03	Detail Plans (90%)	30/90	120
Task 7.04	Project/Design Coord. Meetings	90/90	120
Task 8.02	Utility Coordination	30/140	90
Task 8.03	Final Utility Relocation Plans	110/140	170
Task 9.01	Preliminary Right-of-Way Maps	40/70	70
Task 9.02	Final Right-of-Way Maps	60/120	135
Task 9.03	Legal Descr. & Parcel Sketches	30/120	165
Task 9.04	Right-of-Way Monumentation	30/120	195
Task 11.01	Basic SPAM Plans (60%)	60/90	90
Task 11.02	Detail SPAM Plans (90%)	30/90	120
Task 13.02	Permit Applications	95/125	135
Task 13.03	Permit Revisions	30/125	195
Task 14.01	Final Roadway Plans	30	180
Task 14.02	Final SPAM Plans	30	180

- CHANGE ORDER AGREEMENT No.
or
 SUPPLEMENTAL TASK AUTHORIZATION No. 6

EXHIBIT "CO/STA-D"

Date: 10/03/02

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

for MISCELLANEOUS CIVIL ENGINEERING AND/OR INSPECTION SERVICES CN-00-04 IMPERIAL STREET IMPROVEMENTS FOUR LANING BONITA BEACH ROAD TO EAST TERRY STREET

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

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
Task 3.00	Ardaman & Associates, Inc.		X		X	
Tasks 2.00, 9.00	James R. Coleman & Associates, Inc.		X		X	
Tasks 4.00	Boylan Environmental Consultants, Inc.	X		WBE	X	

- CHANGE ORDER AGREEMENT No.
or
 SUPPLEMENTAL TASK AUTHORIZATION No. 6

EXHIBIT "CO/STA-E"

Date: 10/03/02

PROJECT GUIDELINES AND CRITERIA

for MISCELLANEOUS CIVIL ENGINEERING AND/OR INSPECTION SERVICES CN-00-04
IMPERIAL STREET IMPROVEMENTS FOUR LANING BONITA BEACH ROAD TO EAST TERRY
STREET

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

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 herein before in CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto;

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

SEE FOLLOWING PAGES FOR REVISED PROJECT GUIDELINES AND CRITERIA

PROJECT GUIDELINES AND CRITERIA

IMPERIAL STREET FOUR LANING (BONITA BEACH ROAD TO EAST TERRY STREET)

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 in performing the professional services and work to be provided pursuant to this Agreement:

The purpose of this document is to support the Project in sufficient detail that the CONSULTANT can follow the task descriptions and prepare the basis of compensation for services in sufficient detail to assure the COUNTY that all anticipated tasks necessary and the corresponding compensation required have been identified and defined by the CONSULTANT. The services provided by the CONSULTANT shall include all anticipated work necessary for the design and bidding phase of the project to ensure a complete competently designed, buildable and functional project. The services shall include all defined necessary studies and investigations, complete construction drawings, technical specifications, and contract documents, including all known necessary engineering surveys, right-of-way surveys, and maps and individual parcel survey plats and parcel descriptions, all necessary permits from the State and Federal agencies having jurisdictional authority over any aspect of the project. Should changes in design standards, unforeseen or unanticipated scope of services, environmental regulations, and permitting requirements occur after execution of this Professional Service Agreement which substantially affect the effort required, compensation for additional effort will be negotiated.

The first portion of the project is that portion of Imperial Street from Bonita Beach Road to East Terry Street, including a new bridge across the Imperial River. This portion of the project will include the design of a four lane collector roadway utilizing an urban typical section with closed drainage including a bridge across the Imperial River. The right-of-way used for roadway elements will generally not exceed 110 feet. The bridge across the Imperial River will not exceed 400 feet. The intersection of Bonita Beach Road is not included as part of this project, other than incidental design required to make a proper connection of this project to Bonita Beach Road. The second portion of the project is that portion of East Terry Street from Imperial Street to the east and west required to provide adequate turn lane and transition lengths to meet the existing two-lane construction on East Terry Street. Preparation of right-of-way maps for East Terry Street at Imperial Street and legal descriptions, parcel sketches, and surveys for properties abutting East Terry Street abutting the affected project area are included in the project.

The design speed shall be 35 mph from Bonita Beach Road to East Terry Street. The design speed on East Terry Street shall be 45 mph. The typical section to be utilized for the project shall be in general conformance with the typical section prepared by David A. Plummer and Associates (copy attached).

The design of an at-grade signalized intersection at Bonita Beach Road will be provided by the COUNTY. The design of an at-grade signalized intersection at East Terry Street will be provided by the CONSULTANT. A signal warrant analysis of the Imperial Street/East Terry Street intersection and the Imperial Street/Dean Street intersection will be prepared. Traffic data and counts and pedestrian counts will be obtained by the CONSULTANT. Existing traffic data for the project location will be provided to the CONSULTANT by the COUNTY. The traffic signal support system design provided by the CONSULTANT shall be based on a strain pole/span wire assembly system.

Landscaping design services shall include a conceptual plan for the Imperial Street segment. Landscaping design services to prepare plans for construction shall be determined based on the landscaping components to be incorporated in the project, as may be determined by the COUNTY from the conceptual plans.

Design, plans, specifications and contract documents shall be complete in scope and detail and shall conform to the appropriate English system of units version of the Florida Department of Transportation Standard Plans

Preparation Manual, Standard Specifications for Road and Bridge Construction, standards referred to and recommended in the American Association of State Highway and Transportation Officials and other Lee County guidelines in force on the date the agreement is signed.

As a result of the construction of this project and its potential impact on the floodplain of the Imperial River, it shall be necessary to provide professional engineering services to the COUNTY for preparation of documentation and hydraulic modeling for submittal to the Federal Emergency Management Agency (FEMA). The purpose of this documentation will be to provide FEMA with the required information for a determination of the necessity to revise the National Flood Insurance Program Map(s), which include the project area or are affected by the project, and to provide such revision as necessitated by the project. Revision of the FEMA maps will require creation of a new river hydraulic model to replace the currently deficient model. Services to prepare this model will include land surveying of approximately 3.5 miles of the Imperial River. The COUNTY will provide the most recent topographic information available to CONSULTANT for creation of the new model. The completed model will be delivered in electronic format to COUNTY. The analysis will show that either 1) no FEMA revision is necessary ("no rise determination"), or 2) that a Letter of Map Change (LOMC) is required. The COUNTY will provide LOMC filing fees to FEMA, estimated at \$3,500, in the event a LOMC is required. It is assumed that a Conditional Letter of Map Revision (CLOMR) is the appropriate LOMC for purposes of this agreement.

Design shall be in accordance with provision of the County Development Standards Ordinance and will be adequate to meet permit or approval requirements for governmental agencies having jurisdiction over this project, in force on the date the Agreement is approved by the COUNTY including, but not necessarily limited to U.S. Army Corp of Engineers, U.S. Coast Guard, Florida Department of Environmental Protection, and South Florida Water Management District. Treatment of roadway run-off and prevention of erosion and siltation of adjacent wetlands during construction shall be provided. Mitigation may be necessary for any wetland areas impacted by the roadway. Detailed mitigation design is not included in this scope of services, due to the consideration of utilizing available offsite mitigation sources such as the CREW trust or permitted mitigation banks.

The CONSULTANT has obtained controlled aerial photography and digital planimetrics of the project area sufficient to define topographical (two dimensional) details along the proposed roadway for a width of 300 feet either side of the centerline.

All roadway cross-sections and existing off-site topography including driveway and street connection point vertical control are to be generated from field surveys.

Drainage structure "isometric" sheets are not required for the project.

The design time the project (Tasks 1 through 14 including permit submittal) is scheduled for 180 calendar days from notice to proceed for this amendment.

This contract assumes one progress meeting per month with the COUNTY, through design services.

Recommended updates, and additions to the County's Standard Boiler Plate Contract documents shall be provided by the CONSULTANT to the COUNTY. Master disk to be provided to the CONSULTANT by the County Contracts Division.

Level I contamination screening evaluations will be performed by the COUNTY.

The roadway contractor will be required prepare and submit a stormwater pollution prevention plan and the USEPA Notice of Intent.

The roadway contractor will be required to prepare a Maintenance of Traffic Plan for approval by the County.

It is assumed that the construction of this project will have a 12 month construction period.