

LEE COUNTY BOARD OF COUNTY COMMISSIONERS  
 AGENDA ITEM SUMMARY

BLUE SHEET No: 20020141

**1. REQUESTED MOTION:**

**ACTION REQUESTED:** Approve Change Order No. 1 to Contract No. 820 to Pitman-Hartenstein Inc. for CN-99-04 GUNNERY ROAD IMPROVEMENTS FROM SR 82 TO OPPOSITE DANIELS PARKWAY EXTENSION TO LEE BOULEVARD in the amount of \$787,824.08.

**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 Change Orders in excess of \$50,000.00 to Professional Services Agreements.

**WHAT ACTION ACCOMPLISHES:** Provides Lee County with a consultant that will continue to provide professional engineering services for the project known as Gunnery Road Improvements from SR 82 to opposite Daniels Parkway Extension to Lee Boulevard.

**2. DEPARTMENTAL CATEGORY:** 9. Transportation  
**COMMISSION DISTRICT #:**

C9A

**3. MEETING DATE:**

02-26-2002

**4. AGENDA**

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- 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 April 27, 2001, the Board of County Commissioners approved a Professional Services Agreement for preliminary design of Gunnery Road Improvements in the amount of \$136,744.68 to Pitman-Hartenstein Inc.

The Department of Transportation is now ready to continue with the design of Gunnery Road and it is being requested that the Board approve Change Order No. 1 in the amount of \$787,824.08 for a total contract amount of \$924,568.76 (under Contract No. 820).

Funds will be available in account string: 20405518803.506510,

Attachments: (2) Original Change Orders

**8. MANAGEMENT RECOMMENDATIONS:**

**9. RECOMMENDED APPROVAL**

DEPARTMENT DIRECTOR	Purchasing/Contracts	Human Resources	County Administration				OTHER	COUNTY ATTORNEY	COUNTY MANAGER
			OA	OM	Risk	GC			
<i>Rex / for SMAG 2/14/02</i>	<i>[Signature]</i>	N/A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

**10. COMMISSION ACTION:**

- APPROVED
- DENIED
- DEFERRED
- OTHER

RECEIVED BY  
 COUNTY ADMIN.  
 2/14 10:45  
 COUNTY ADMIN.  
 FORWARDED TO:  
 2/14 2:30

REC'D.  
 by CO. ATTY.  
 2/13/02  
 445 DM  
 CO. ATTY.  
 FORWARDED TO:  
 2/14/02 12:30 PM

(CONTRACTS-LAB)

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

Change Order  
 Supplemental Task Authorization

NO: 1

(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: Gunnery Road Improvements from S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

CONSULTANT: Pitman-Hartenstein & Assoc., Inc. PROJECT NO 820  
SOLICIT NO.: 4055 CN NO.: CN-99-04 ACCOUNT NO X  
REQUESTED BY: Department of Transportation DATE OF REQUEST 1/14/02

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: 1/14/02  
EXHIBIT "CO/STA -B": COMPENSATION & METHOD OF PAYMENT: DATED: 1/14/02  
EXHIBIT "CO/STA -C": TIME AND SCHEDULE OF PERFORMANCE: DATED: 1/14/02  
EXHIBIT "CO/STA -D": CONSULTANT'S/PROVIDERS ASSOCIATED SUB-CONSULTANT(S)/SUB-CONTRACTORS: DATED: 1/14/02  
EXHIBIT "CO/STA -E": PROJECT GUIDELINES AND CRITERIA: DATED: 1/14/02

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

RECOMMEND:

By: \_\_\_\_\_  
Department Director Date

By: Randy Logan 2/7/02  
Contracts Mgmt Date

ACCEPTED:

By: [Signature]  
Consultant/Provider  
Alan Hartenstein E.H. P. Inc. Jr  
Executive Vice President

Date Accepted: 1/15/02

Corporate Seal

APPROVED:

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.

CHANGE ORDER AGREEMENT No. 1  
or  
 SUPPLEMENTAL TASK SUTHORIZATION No.     

EXHIBIT "CO/STA-A"

Date: 1/14/02

SCOPE OF PROFESSIONAL SERVICES

for Gunnery Road Improvements from S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

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:

**See the attached Scope of Services.**

\* Attach additional pages, if needed

**SCOPE OF PROFESSIONAL SERVICES**  
For  
**Gunnery Road Improvements**  
From S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

**BASIC SERVICES**

**I. GENERAL SCOPE STATEMENT**

The Consultant shall provide and perform the following professional services, which shall constitute the GENERAL SCOPE of the BASIC SERVICES under the covenants, terms, and provisions of this PROFESSIONAL SERVICES AGREEMENT.

The Consultant shall conduct field surveys, prepare an environmental impact summary, develop traffic data, prepare final plans and specifications, cost estimates, bid documents, government permit applications, coordinate all utility system adjustments, and provide construction contract administrative support services for the construction of the roadway and bridges, for the Gunnery Road Improvements from S. R. 82 Opposite Daniels Parkway Extension to Lee Boulevard. The two-lane roadway is to be expanded to 4 lanes with right-of-way identified for ultimately six-lanes.

**II. TASKS**

Pursuant to the General Scope of the Basic Services stated herein, the Consultant shall perform the 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".

Upon receipt of the notice to proceed, the Consultant shall prepare and submit a detailed project schedule to the County. The project schedule shall be updated throughout the design phase of the project.

**TASK INDEX**

- |      |   |
|------|---|
| 1.00 | Public Involvement Program                            |
| 2.00 | Engineering and Land Surveys                          |
| 3.00 | Geotechnical Services                                 |
| 4.00 | Environmental Inventory and Hazardous Material Report |
| 5.00 | Design Alternatives                                   |
| 6.00 | Comparative Analysis                                  |
| 7.00 | Roadway and Structure Plans                           |
| 8.00 | Utility Relocation Plans                              |
| 9.00 | Right-of-Way Maps                                     |

- 10.00 Signalization and Street Lighting Plans
- 11.00 Signing and Pavement Marking Plans
- 12.00 Not Used
- 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 INFORMATION PROGRAM**

The Consultant shall undertake a Public Involvement program. This task shall include the following:

Task 1.01 Develop and maintain a mailing list of elected and appointed officials in the local area, permit and review agencies, property owners within 300' of the road right-of-way, and other interested parties as supplied by the County.

Task 1.02 The Consultant shall:

Prepare exhibits, attend, and participate in a Public Information Meeting conducted by the County at the completion of the Comparative Analysis stage (Task 6). The Consultant shall send a Notification of this meeting to all parties on the mailing list.

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.

Task 1.03 NOT USED

Task 1.04 The consultant shall supply Digital Image aerial photography for use in the public information program. The aerials shall be 1"=50' for use in depicting the alternates and access to the public. Additional aerials at 1"= 200' and at 1"= 400' shall also be supplied for use in the roadway and drainage design and permitting of the project.

## **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 to the Florida Plane Coordinate System 1982 datum 1990 Adjustment; 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).

Survey services 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 topography and cross-sections may be recorded on electronic data collection equipment. All surveys shall use FDOT's safety standards.

**Task 2.01 Roadway Survey**

Provide engineering and land surveys necessary to establish the roadway alignments, intersecting streets within the project limits and obtain topography, benchmarks every 1000' and reference points at every PC, PT, PI, BOS, EOS, and at 1000' stations, cross sections, underground utilities, right-of-way, bridge and major cross drain culverts data survey 300' up and down stream, land ties, subdivision ties, and required drainage information for existing and proposed drainage systems.

Install aerial targets along the centerline and at a sufficient distance along each side of street intersections or to suit the project and obtain controlled aerial photographs at 1" = 200' and 1" = 400' for master roadway and drainage plan, and 1" = 50' for the access management/public information program. Accuracy of the photographs shall be at least 99.5% true when measured between targets.

Survey limits shall be limited to 300' on all side streets, 300' north of Lee Blvd., 600' east and west of Leonard/23rd Street SW and no survey data will be collected on or south of SR 82.

**Task 2.02 Right of Way Monumentation**

- A. Monument and reference final right-of-way lines throughout project according to FDOT procedures upon completion of construction, if requested;
- 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 3.00 GEOTECHNICAL SERVICES**

The Consultant shall furnish soils investigation and analysis 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 Roadway Soil Borings and Laboratory Testing

- A. The soils investigation and analysis services shall include, but not be limited to, subsurface investigation; strata classification and soil parameters for each boring; LBR values established for five borings, three corrosion tests, and three percolation evaluations for drainage water retention system, establishment of water table at each boring; compiling Summary of Soils Data on a soils plan sheet; prepare cross section soils survey drawings and prepare required foundation investigation reports; and posting of all applicable soils information on the plans.
- B. Soil auger borings shall be obtained at 500' stations along the centerline for a total of approximately 25 soil auger borings along the adopted alignment. Auger Borings shall be a minimum of 5 feet deep with soil classifications. All auger borings are to stop if rock is encountered.
- C. Two 70' deep Standard Penetration Test Borings for the bridge structure at Butterfly Canal, and one 20' deep Standard Penetration Test Boring for the box culvert at Blowfish Canal, shall penetrate to the depth as required in the Florida Department of Transportation's Soils and Foundation Manual.
- D. 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.
- E. 30' SPT soil borings for the signal poles at Gunnery/Leonard (two borings) and Gunnery/SR 82 (four borings).
- F. 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. and items identified in Paragraph A.

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 and bridge foundation design and submit two (2) copies to the County for final review.

A separate report shall be prepared for the signal pole borings at the Gunnery/SR 82 intersection.

The report shall include the SPT 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 AND HAZARDOUS MATERIAL REPORT**

The Consultant shall furnish a report summarizing the impact of the project on the subjects of Hydrology, Wildlife, Soils, Wetlands, Flood Plains or Riverine Areas, Land Use, Scenic Views, and a Phase I Contamination Screening of the project area. The report shall address the following, as required:

##### Task 4.01 Environmental Inventory

- A. Diagram depicting the hydrology of the area.
- B. An inventory and survey of all protected species found within the project limits, in accordance with the Florida Game and Fresh Water Fish Commission Guidelines.
- C. An aerial map of the soils within the project limits identified by Soil Series and Field Mapping Unit name established by the United States Department of Agriculture's Soil Conservation Service.
- D. An aerial of the wetland area within and adjacent to the project limits.

Jurisdictional limits of 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.

- E. An aerial map showing the extent of flood plains or riverine areas impacted by the project.
- F. A description of scenic views located within or adjacent to project limits.

##### G. Contamination Screening

The Consultant shall furnish a memorandum summarizing the background and record review of the project area, and shall advise if a Phase I Environmental Site Assessment is recommended. If a Phase I screening is required, it will be considered as additional services.

##### Regulatory Status

Regulatory Status describes activities where a regulatory agency is, has, or may take action on any property that could have an impact on the subject site. Database files of the Federal Environmental Protection Agency (EPA) and the Florida Department of Environmental



Protection (FDEP) will be searched and reviewed for potential contamination information and status within the project vicinity.

#### Database Search File (VISTA)

A review of appropriate files and records will be conducted to determine past or current regulated material usage and activities performed on this project area as well as any known history of violations, discharges or other non-compliant activities on file.

Task 4.02 Prepare a Final Report and submit two (2) copies to the County for final review.

### **TASK 5.00 DESIGN ALTERNATIVES**

The Consultant shall identify, analyze, and develop three (3) feasible design alternatives for subsequent evaluation of viability as set forth in Exhibit E.

Task 5.01 Using cultural and natural features and engineering requirements, identify alignment controls and establish the specific alignment and proposed right-of-way requirements for each typical section under consideration.

Task 5.02 Establish major design features such as major intersections and significant drainage requirements as necessary to define the concept design for each alternate.

Task 5.03 All horizontal and roadway geometry shall be established for evaluation to define design.

Task 5.04 Access Management plan shall be developed in sufficient detail to identify access points along Gunnery Road, which addresses adjacent parcel traffic circulation and access per the Lee County Access Standards.

Task 5.05 Plot design alternates in sufficient detail to permit evaluation of costs and associated impacts.

Task 5.06 Prepare a report which summarizes the items in Task 5 (design alternatives) and Task 6.01 and 6.02 (cost opinions re land costs and improvements), and submit two (2) copies to the County.

### **TASK 6.00 COMPARATIVE ANALYSIS**

Subsequent to developing the design alternates in Task 5.00, relative costs to demonstrate economic comparison shall be prepared by the Consultant and associated impacts shall be analyzed to recommend the most viable route. Items to be evaluated and included in the comparative analysis shall include the following:

Task 6.01 Order of Magnitude Opinion of Land Costs. Right of way costs provided by the County, except business damages, shall be obtained by the Consultant from the County. Consultant

shall be included in the alternative analysis discussions between Lee County DOT and County Lands Department regarding potential property improvements impacts or taking.

Task 6.02 Order of Magnitude Opinion of the costs to construct the improvements shall be prepared by the Consultant and included in the alternatives analysis.

Task 6.03 This task includes the work and responsibilities required in connection with the project's transportation planning, analysis, and design for the future construction of Gunnery Road Improvements. The Consultant shall perform those traffic-engineering services required for the appropriate design of the project.

The traffic study will provide detailed information necessary for the Lee County Department of Transportation (LCDOT) to reach a decision on the type and design of Gunnery Road between S.R. 82 and Lee Boulevard. The study will consider alternatives, which are cost effective, maintain public safety and achieve maximum roadway capacity. The design will incorporate a four-lane expandable to a six-lane divided arterial with pedestrian and bicycle provisions.

The future traffic demands and needs will be established by the Consultant based on sound forecasting principles. The predictions will be analyzed, evaluated, and documented in a report associated with the improvement of the corridor. Design recommendations will be based on design volume to capacity ratios based on a post five-year, ten-year, and twenty-year design for both roadway links and intersections. The traffic demands will be utilized in order to develop turn lane needs and traffic control devices for all major intersections within the study area.

The information amassed shall be submitted in a Preliminary Traffic Engineering Report (two copies). This is to be a technical report developed using the scientific method, which will depict the various design recommendations. Once the preliminary engineering report is approved by LCDOT, the Consultant shall prepare and submit two copies of the Final Engineering Report.

## **TASK 7.00 ROADWAY AND BRIDGE PLANS**

The Consultant shall furnish design services necessary to perform project design and prepare roadway construction 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 of this Agreement as approved by the County and as set forth in the Florida Department of Transportation (FDOT) Standard Specifications, FDOT Roadway Plans Preparation Manual, the FDOT Drainage Manual, FDOT Roadway and Traffic Design Standards, FDOT Structural Design Guidelines, Federal Highway Planning Manual, 6-7-3-2, and Federal and State Railroad Design Guidelines. 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, drainage map, plan-profile sheets (including geometric calculations), typical section sheets, summary of quantities (including computation booklet), maintenance of traffic plans, utility adjustments, 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 computation shall be recorded in 8-1/2" x 11" 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 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. Note that a hydraulic analysis of the proposed box culvert at Blowfish Canal is not included. The cross-sectional area of the proposed box culvert will match the area of the existing culverts.

A pond siting report is not included in this Scope of Services. The preparation of a pond siting report, if required, is considered additional services.

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 booklet shall be signed and checked by the appropriate design professional in accordance with the Florida Department of Transportation's Roadway Plan Preparation Manual, Chapter 30. 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 the Consultant has made appropriate modifications to the plans, designs, etc.

The Consultant shall conduct a project plan review 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 appropriate plans, displays, or other visual aids if requested by the County. Plan development at the respective submittal stage shall conform to the following:

Task 7.01 Grades and Geometrics (30%)

The Consultant shall submit to the County four (4) sets of 11"x17" and electronic file disks compatible with County system (if required) for review purposes. The plans shall depict existing topographical features, existing right-of-way and easement lines, and shall contain the following:

- A. Plan and Profile Sheets at 1" = 40'.
- B. Existing project cross-section sheets - 100' o.c. and at intersections and driveways.
- C. Drainage maps depicting existing drainage areas, existing drainage structures, and existing flow patterns at 1" = 400'.
- D. Proposed preliminary intersection geometry.
- E. Proposed preliminary vertical alignment.
- F. Proposed preliminary median openings and any potential driveway/access problems.

The consultant shall submit an Order of Magnitude Opinion of the cost of construction of the project.

Task 7.02 Basic Plans (60%)

The Consultant shall submit to the County four (4) sets of 11"x17" plans and electronic file disks, along with two (2) sets of draft technical specifications. The submittal shall contain the information from the 30% Review and shall reflect development of:

- A. Design cross sections.
- B. Storm drainage system. It is anticipated that the storm drainage system will consist of curb inlets and storm piping typical of a an urban type design.
- C. Drainage structures and drainage outfalls. Drainage structure sheets to be provided only where needed to coordinate potential conflicts.
- D. Draft Technical Specifications and Supplementary General Conditions.
- E. Draft Maintenance of Traffic Plan limited to general notes, and typical sections for phasing.
- F. Mitigation Plans (additional services if necessary).
- G. Reports and calculations required to document design decisions reached during development plans.
- H. Drafts of Environmental Permit Applications noted in Task 13.00 required by various permitting agencies complete with required sketches, drawings, and descriptions, due thirty (30) days prior to the submittal.
- I. 30% Bridge Plans.

The submittal shall include drainage calculations, storm water attenuation/detention requirements, storm sewer tabulation sheets, and a revised order of magnitude engineer's opinion of probable construction cost. 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 four (4) sets of 11"x17" prints and electronic file disks and two (2) sets of contract documents to the County for review. The plans shall be complete construction plans including a plan for maintenance of traffic, detailed signing and pavement marking plans, detailed signal plans, structure plans, and utility adjustments with the exception that the quantity computation booklet and summary of quantities of all items required for the construction of the project and made a part of the final contract documents (Task 14.00) will not be included. Reports and calculations required to document design decisions reached during the development of plans shall be submitted along with the plans if not previously submitted.

Task 7.04 Structures Plans

The following is the list of structures requiring structural design for this project:

Site: Gunnery Road over Butterfly Canal  
Structure Type: Two span, flat slab bridge

Site: Gunnery Road over Blowfish Canal  
Structure type: Box Culvert

Site: Intersection of Gunnery Road with Leonard /23rd St. S.W.  
Structure type: Signal pole and foundations

Task 7.05 Bridge Development and Hydraulic Report(s)

Bridge Development Report or structure memorandum for the widening of the existing bridge over Butterfly Canal is not required. The Consultant shall develop the plans to utilize the existing bridge as much as practical. A bridge hydraulic study or report is not included in this project. If required, it shall be considered as additional services. The Consultant shall include the Bridge Hydraulic Recommendation Sheet for the bridge based upon data supplied by the East County Water Control District.

Task 7.06 30% Bridge Plans Package

The Consultant shall prepare 30% plans sheets, notes and details to include the following: General Notes, General Plan and Elevation, Bridge Hydraulic Sheet, Bridge Section, and Pier/Bent Sheet. The 30% bridge plans and box culvert package shall also include all appropriate items shown on the checklist contained in the FDOT Structures Detailing Manual. The existing bridge shall be used as a guide in the preparation of structural plans. The 30% structure plans shall be submitted with the basic (60%) roadway plans.

Bridge Geometrics:

The Consultant shall design the geometrics for the project using the design standards that are most appropriate with proper consideration given to the design traffic volumes, design speed, capacity, and levels of service, functional classification, design consistency and driver expectancy, aesthetics, elder road user policy, access management, and the type of construction.

The design elements shall include, but not be limited to, the horizontal and vertical alignments, lane widths, shoulder widths, cross slopes, borders, side slopes and ditches, lane transitions, and superelevation. The geometric design developed by the Consultant shall be the best engineering solution to a given problem and not merely an adherence to the minimum AASHTO and/or County Standards.

The bridge design shall also include the approach slabs and erosion protection for bridge approaches and embankments.

A. Design Calculations:

The Consultant shall submit to the County all reports and design calculations prepared during the development of the plans. The design calculations submitted shall adequately address the complete design of all bridge components and retaining walls. These calculations shall be neatly and logically presented on 8-1/2" x 11" inch paper (where possible) and shall be signed and sealed by a Florida registered professional engineer. A cover sheet indexing the contents of the calculations shall be included and the engineer shall sign and seal that sheet.

These Design Calculations shall include but not be limited to the following: Pile Capacity Computations (vertical and horizontal), End Bent Design, Intermediate Bent Design, Flat Slab Design, Seismic Design, Geometric Data, Quantities and Tabulations, Cost Estimates and Quantity Computation Book Backup.

B. The Consultant shall utilize Load Factor Design Method for this project.

C. Provisions for Utilities:

The Consultant's plans shall make provisions to accommodate all affected utilities.

D. Special Provisions:

The Consultant shall provide Technical Special Provisions for all items of work not covered by the Florida Department of Transportation Standard Specifications, Supplemental Specifications, or Recurring Special Provisions. Technical Special Provisions shall be submitted on standard size sheets. The Technical Special Provisions shall be signed and sealed.

Task 7.07 Final Bridge Plans

The Consultant shall prepare plan sheets, notes, and details to include but not be limited to, the following: Key Map, General Index, General Plan and Elevation, Stage Construction Sequence Sheet, Bridge Hydraulic Sheet, Boring Log Sheet, Finished Grade Sheet, Pile Layout Sheet, End Bent Sheet, End Bent Details Sheet, Intermediate Bent Sheet, Intermediate Bent Detail Sheet, Superstructure Sheet, Superstructure Detail Sheet, Rebar Schedule Sheet, Miscellaneous Detail Sheet, and Approach Slab Sheet.

Task 7.08 SR 82 and Daniels Road Extension Signal Design - Structural

Lee County DOT is in the process of obtaining an FDOT connection permit for the intersection of Daniels Parkway and SR 82. The FDOT is requesting the County to submit additional information regarding the strain pole calculations and geotechnical data that the Consultant shall supply.

- A. Determine pole types for both single and two-point attachments for the signal design supplied by the County. FDOT Structures Division shall approve methods and calculations. Part of FDOT requirements is the ultimate moment capacity (K-Ft) of each pole.
- B. Review geotechnical data for any soil parameters required in the strain pole calculations Lee County is to provide survey stakes at pole locations when requested. This is required to locate soil-boring locations.
- C. Submit to the County all calculations, results, geotechnical information, and methodology. Calculations shall be signed and sealed by a Florida Licensed Structural Engineer.
- D. Provide County engineers with basic explanations for the methodology and calculations used to determine the pole types (specifically the two point attachment) and the calculations for the ultimate moment capacity.

## **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 affected by the project. Utility adjustment plans shall be prepared on the roadway plans to show the proposed utility relocations when adjustment is required. The required utility adjustments will be designed by each utility and provided by the affected utilities (Florida Water Services, gas, electrical, telephone and cable television) 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 45 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**

During the design report stage, the utilities shall be notified of the project and their utilities identified for potential impact to the alignment alternative analysis.



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.

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 45 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 by forty-five (45) days after 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, delay 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 Lee County Standards. Proposed right-of-way lines and easement lines will be shown on the construction plans.

The County will provide all title abstracts and tax receipts 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 9.01 Right-of-Way Control Maps and Preliminary Right-of-Way Maps

Four (4) sets of 11"x17" right-of-way maps and electronic file disks showing existing right-of-way and land ties shall be provided to the County for their review. Based upon the alternative selected by the County, 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 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 within 30 days of selecting an alignment. The preliminary right-of-way and control maps shall also include jurisdictional areas claimed by affected agencies.

**Task 9.02 Final Right-of-Way Maps**

One (1) set of prints for final right-of-way plans will be provided by the Consultant on reproducible drafting film and four (4) sets of 11"x17" blue-line prints, signed and sealed. All rights-of-way identified during the design, including easements for grading outside the right-of-way to conform adjacent property, shall be depicted. All right-of-way and easements for the proposed construction will be addressed as either necessary for construction, or as desirable for aesthetics. These plans include key maps (1" = 200'), 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.

Final right-of-way maps for roadway, easements, and drainage facilities shall be prepared and submitted by the Consultant with the Detail Plans (90%) including all legal descriptions and parcel sketches.

**Task 9.03 Legal Descriptions and Parcel Surveys**

Two (2) copies of a legal description and parcel survey of each parent tract, acquisition parcel and remainder parcel required for land acquisition or right-of-way taking shall be provided by the Consultant at an approximate scale of 1"=40', on 8-1/2"x14" paper. Two (2) copies of a legal description and sketch are to be provided for drainage/utility easement, construction easement or temporary easements for such items as slope, transitions, etc. This task shall include a one-time staking of the physical right-of-way taking when requested by the County for land acquisition or other purposes. The County will determine the timing.

The preparation of legal descriptions and sketches for temporary construction easements for the parcels on the west side of Gunnery Road will be performed by the County and are not included in this scope of services.

**TASK 10.00 SIGNALIZATION AND STREET LIGHTING PLANS**

The Consultant shall furnish design services and prepare a set of construction plans for the signalization and intersection street lighting of the Leonard/Gunnery intersection, and verification of the current design at the Gunnery Road/Lee Boulevard intersection. If design services and the preparation of construction plans for the signal at the Gunnery Road/Lee Boulevard intersection are required, they will be considered additional services. The SR 82/Gunnery Road intersection is not included in this project. Signal warrant studies if requested will be considered as additional services.

Plans will be prepared in accordance with the "Lee County Traffic Signal Specifications", the FDOT "Supplemental Specifications for Road and Bridge Construction", and criteria for Providing Illumination of Intersections and the American Association of State Highway and Transportation Officials (AASHTO) "Guide to Roadway Lighting", and submitted for review as follows:

**Task 10.01 Basic Plans**

The Consultant shall submit to the County four (4) sets of 11"x17" plans and electronic file disks of the preliminary plans review. Plans will include:

- A. Plan sheet showing poles, signal heads, controllers, loop locations, luminaries, and appurtenances (scale 1" = 20').
- B. Copies of intersection design volumes, recommended signal phasing, timing, illumination intensity, and capacity analysis.
- C. Order of Magnitude Cost Opinion for the signal and lighting features.
- D. Preliminary Technical Specifications and Supplementary General Conditions.

These plans will be submitted with the Basic Plans 60% under Task 7.02.

**Task 10.02 Detail Plans**

The Consultant shall submit to the County four (4) sets of 11"x17" plans and electronic file disks of the final signal plans with the Detail Plans (90%) under Task 7.03 for review. The plans are to include a key street, signal plan sheet, and a pole schedule sheet along with technical specifications and an updated cost opinion.

**TASK 11.00 SIGNING AND PAVEMENT MARKING PLANS**

The Consultant shall furnish design services and prepare construction plans for signing and pavement marking using thermoplastic markings for the entire project. A preliminary submittal shall be made with the Detail Plan submittal per Task 7.03. Final plans shall be submitted with the final roadway and structure plans in accordance with the FDOT Roadway and Traffic Design Standards for review. Providing overhead signs, guide signs or span wire assembly plans and related supports shall be considered as additional services.

**TASK 12.00 NOT USED**

**TASK 13.00 PERMITS**

The Consultant shall prepare permit applications, data and drawings required for submittal by the County to local, State and Federal agencies having permit jurisdiction including the U.S. Army Corps of Engineers,

Florida Department of Environmental Protection, the U.S. Fish and Wildlife Service, Florida Game and Freshwater Fish Commission, the Environmental Protection Agency, the South Florida Water Management District and the East County Water Control District. All permits shall be pursued for the longest possible time frame. Permit renewals, updates, modifications, or certifications shall be considered as additional services.

Drainage design shall include stormwater treatment and attenuation required to comply with rules of the Florida Department of Environmental Protection and the South Florida Water Management District (SFWMD). The prerequisite stormwater permit applications shall be prepared in accordance with Chapter 17-25, Regulation of Stormwater Discharge, Florida Administrative Code, and Chapters 40E-4 and 40E-40 of SFWMD. 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 correspondence between the Consultant and the permitting agencies. The Consultant shall attend meetings for the submittal and pursuit of approval of permits.

The coordination and permitting process shall be as follows:

**Task 13.01 Permit Application and Initial Meeting with Permitting Agencies**

Permitting agencies shall be notified of the proposed project during the Environmental Inventory Stage (Task 4) and prior to submittal of Grades and Geometrics (30%) design. A meeting will be held with representatives of the agencies to review the proposed project, verify their limits of respective jurisdictional areas, and to obtain their comments and note areas of concern, which shall be included in the Environmental Inventory Report and at the Grades and Geometrics Plans review stage with the County. Agency jurisdictional areas shall be shown on the 30% roadway plans and on the Environmental Inventory aerials.

**Task 13.02 Permit Application**

Permit application form including required design information and data shall be completed by the Consultant thirty (30) calendar days prior to the Basic Plans (60%) 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 Basic Plans (60%).

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 two (2) agency requests for additional information. This may require the revision of applications and Basic Plans, final right-of-way plans including legal

descriptions and parcel sketches, submission of additional material required to support the proposed design if required, and coordination with the County and permitting agencies to pursue approval of the permits. Subsequent requests for additional information shall be considered as additional services. 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. Mitigation designs and monitoring plans shall be considered as additional services.

Task 13.04 FGFWFC and FWS Coordination

Should either of these agencies decide to intervene into the permitting process with wildlife issues, coordination with these agencies will be initiated at the County direction. Responses to requests for additional information will be provided one time only. Additional requests shall be considered as additional services. If required by the agencies, additional wildlife survey work will be performed as additional services. Kickoff meetings and field visits, as necessary, will be conducted to expedite the permit review process. Additional agency meetings and field visits shall be considered as additional services.

**TASK 14.00 FINAL BIDDING AND CONTRACT DOCUMENTS**

Once the final roadway and structure plans, signalization, street lighting, and signing and pavement marking 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 structure plans, a quantity computation booklet, and summary of quantities, and Engineer's Opinion of Probable Construction Cost.
- Task 14.02 Final signalization, lighting, signing, and marking plans, summary of quantities, and Engineer's Opinion of Probable Construction Cost.
- Task 14.03 Special provisions and other appropriate contract documents for incorporating Florida Department of Transportation specifications, U.S. Army Corps of Engineers, and South Florida Water Management District requirements in the bid documents. Combine these special conditions and technical specifications with the County provided contract boiler plate.
- 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 four (4) sets of signed and sealed contract documents for the County records with electronic file disks compatible to the County system, and one (1) bound set of reduced plans (11"x17") with one bound set of contract documents and technical specifications, and one unbound set of each.

#### **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 presenting a Pre-Bid Conference and prepare minutes.

Task 15.02 Respond to Bidder's inquiries and prepare addenda for issuance by the County.

Task 15.03 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 including all bona fide bidders.

Task 15.05 Attend the pre-construction conference and prepare minutes.

#### **TASK 16.00 POST DESIGN SERVICES**

Post Design services are considered additional services and will be negotiated later at the direction of the County.

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

Task 16.01 Provide assistance to County in conducting meetings, answer 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, but a minimum of one (1) visit per month, 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. It is anticipated that the Consultant will make one (1) visit to the site per week for a duration of 12 months. A written report of each visit shall be prepared and submitted to the County within ten (10) calendar days of the visit.

Task 16.03 Shop Drawings

The Consultant shall 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, Consultant shall 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 will 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

The Consultant shall 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.

The Consultant shall participate in a final inspection together with County and Contractor representatives to assure that all "punch list" items are completed and the work is indeed completed in accordance with all contract documents. Upon completion of the final inspection, certify in writing, that the work in place is acceptable, subject to any conditions therein expressed, and the Consultant shall prepare Engineer's certification letter to permit agencies. Note if the Consultant does not perform site visits, the Consultant cannot perform final certification to the agencies.

Task 16.06 The Consultant shall furnish revised construction drawings with one 11"x17" hard copy and electronic file disks, based upon the marked-up prints, drawings, and other data furnished by the Contractor to the Consultant. These record drawings shall not show any changes from the original plans, which do not exceed tolerances listed:

- ▶ Elevation greater than .0833 feet;
- ▶ Horizontal stationing greater than 1.0 feet;
- ▶ Distances greater than 1.0 feet;
- ▶ Structure dimensions greater than .0833 feet;
- ▶ Material changes (all);
- ▶ Product changes (all).

- A. Collect Data
- B. Review Data
- C. Plot Data.
- D. Certify and submit two (2) plan sets along with electronic disks.



CHANGE ORDER AGREEMENT No. 1  
or  
 SUPPLEMENTAL TASK SUTHORIZATION No.     

EXHIBIT "CO/STA-B"

Date: 1/14/02

COMPENSATION AND METHOD OF PAYMENT

for Gunnery Road Improvements from S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

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 "CO/STA-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.)
1.00	Public Involvement Program	\$ 0.00	LS	W.I.P.P.
2.00	Engineering and Land Surveys	\$ 153,198.88	LS	W.I.P.P.
3.00	Geotechnical Services	\$ 19,011.00	LS	W.I.P.P.
4.00	Environmental Inventory and Hazardous Material Report	\$ 1,680.00	LS	W.I.P.P.
5.00	Design Alternatives	\$ 0.00	LS	W.I.P.P.
6.00	Comparative Analysis	\$ 0.00	LS	W.I.P.P.
7.00A	Roadway Plans	\$ 304,837.00	LS	W.I.P.P.
7.00B	Bridge and Structures Plans	\$ 110,580.00	LS	W.I.P.P.
8.00	Utility Relocation Plans	\$ 21,383.00	LS	W.I.P.P.
9.00	Right-of-Way Maps	\$ 72,609.20	LS	W.I.P.P.
10.00	Signalization/Street Lighting Plans	\$ 24,290.00	LS	W.I.P.P.
11.00	Signing/Pavement Marking Plans	\$ 26,646.00	LS	W.I.P.P.
12.00	Not Used	\$ 0.00	LS	W.I.P.P.
13.00	Permits	\$ 23,923.00	LS	W.I.P.P.
14.00	Final Bidding/Contract Documents	\$ 17,128.00	LS	W.I.P.P.
15.00	Advisory Services During Bidding	\$ 8,538.00	LS	W.I.P.P.
16.00	Post-Design Services	\$ 0.00	LS	W.I.P.P.
	Miscellaneous Expenses	\$ 4,000.00	NTE	W.I.P.P.
TOTAL (Unless list is continued on next page)		\$787,824.08	LS/NTE	

CHANGE ORDER AGREEMENT No. 1

or

SUPPLEMENTAL TASK SUTHORIZATION No.     

**SECTION 2.00      SUMMARY OF CHANGE(S) IN COMPENSATION**

Pursuant to and in consideration of the change(s) in the Scope of Professional Services set forth in the CHANGE ORDER or AGREEMENT, Exhibit "CO/STA-A", the compensation the COUNTY has previously agreed to pay to the CONSULTANT, or SERVICE PROVIDER, as set forth in Exhibit "B" of the Professional Services Agreement or Service Provider Agreement, shall be changed to be as follows:

Section/Task Number	Section/Task Name	Compensation in the Basic Agreement	Adjustment(s) by Previous Change Order Nos. <u>    </u>	Adjustment(s) due to this CO or STA	Summary of Changed Compensation
		<b>\$ 136,744.68</b>			
1.00	Public Involvement Program			\$ 0.00	\$0.00
2.00	Engineering and Land Surveys			\$ 153,198.88	\$153,198.88
3.00	Geotechnical Services			\$ 19,011.00	\$19,011.00
4.00	Environmental Inventory and Hazardous Material Report			\$ 1,680.00	\$1,680.00
5.00	Design Alternatives			\$ 0.00	\$0.00
6.00	Comparative Analysis			\$ 0.00	\$0.00
7.00A	Roadway Plans			\$ 304,837.00	\$304,837.00
7.00B	Bridge and Structures Plans			\$ 110,580.00	\$110,580.00
8.00	Utility Relocation Plans			\$ 21,383.00	\$21,383.00
9.00	Right-of-Way Maps			\$ 72,609.20	\$72,609.20
10.00	Signalization/Street Lighting Plans			\$ 24,290.00	\$24,290.00
11.00	Signing/Pavement Marking Plans			\$ 26,646.00	\$26,646.00
12.00	Not Used			\$ 0.00	\$0.00
13.00	Permits			\$ 23,923.00	\$23,923.00
14.00	Final Bidding/Contract Documents			\$ 17,128.00	\$17,128.00
15.00	Advisory Services During Bidding			\$ 8,538.00	\$8,538.00
16.00	Post Design Services			\$ 0.00	\$0.00
	Miscellaneous Expenses			\$4,000.00	\$4,000.00
<b>TOTAL</b>		<b>\$ 136,744.68</b>	<b>0</b>	<b>\$787,824.08</b>	<b>\$924,568.76</b>

CHANGE ORDER AGREEMENT No. 1  
or  
 SUPPLEMENTAL TASK SUTHORIZATION No.     

EXHIBIT "CO/STA-C"

Date: 1/14/02

TIME AND SCHEDULE OF PERFORMANCE

for Gunnery Road Improvements from S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

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 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
1.00	Public Involvement Program	NA	NA
2.00	Engineering and Land Surveys	120	120
3.00	Geotechnical Services	120	240
4.00	Environmental Inventory and Hazardous Material Report	90	120
5.00	Design Alternatives	NA	NA
6.00	Comparative Analysis	NA	NA
7.00A	Roadway Plans	180	345
7.00B	Bridge and Structures Plans	120	345
8.00	Utility Relocation Plans	180	345
9.00	Right-of-Way Maps	90	345
10.00	Signalization/Street Lighting Plans	120	345
11.00	Signing/Pavement Marking Plans	90	345
12.00	Not Used	NA	NA
13.00	Permits	180	390
14.00	Final Bidding/Contract Documents	45	390
15.00	Advisory Services During Bidding	45	435
16.00	Post Design Services	NA	NA

CHANGE ORDER AGREEMENT No. 1  
 or  
 SUPPLEMENTAL TASK SUTHORIZATION No.     

EXHIBIT "CO/STA-C"

Date: 1/14/02

TIME AND SCHEDULE OF PERFORMANCE

for Gunnery Road Improvements from S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

SECTION 2.00 SUMMARY OF THE IMPACT OF CHANGE(S) IN PROFESSIONAL SERVICES ON THE OVERALL PROJECT TIME AND SCHEDULE OF PERFORMANCE

Pursuant to and in consideration of the changes in the Scope of Professional Services in this CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", the time and schedule the COUNTY and the CONSULTANT, or SERVICE PROVIDER, has previously agreed to for all of the work to be done under this Professional Services Agreement, or Service Provider Agreement, shall be changed to be as follows:

Phase and/or Task Reference as Enumerated in EXHIBIT "A" and EXHIBIT "CO/STA-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
1.00	Public Involvement Program	NA	NA
2.00	Engineering and Land Surveys	120	120
3.00	Geotechnical Services	120	240
4.00	Environmental Inventory and Hazardous Material Report	90	120
5.00	Design Alternatives	NA	NA
6.00	Comparative Analysis	NA	NA
7.00A	Roadway Plans	180	345
7.00B	Bridge and Structures Plans	120	345
8.00	Utility Relocation Plans	180	345
9.00	Right-of-Way Maps	90	345
10.00	Signalization/Street Lighting Plans	120	345
11.00	Signing/Pavement Marking Plans	90	345
12.00	Not Used	NA	NA
13.00	Permits	180	390
14.00	Final Bidding/Contract Documents	45	390
15.00	Advisory Services During Bidding	45	435
16.00	Post Design Services	NA	NA

CHANGE ORDER AGREEMENT No. 1  
or  
 SUPPLEMENTAL TASK SUTHORIZATION No.     

EXHIBIT "CO/STA-D"

Date: 1/14/02

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

for Gunnery Road Improvements from S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

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 work "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
Survey	AIM Engineering & Surveying, Inc. 5300 Lee Boulevard Lehigh Acres, Florida 33970-1235		X			X
Environmental	Boylan Environmental Consultants 11000 Metro Parkway, Suite 4 Fort Myers, Florida 33912	X				X
Geotechnical	Allied Engineering & Testing, Inc. 5300-A Lee Boulevard Lehigh Acres, Florida 33970-0754	X				X
Signing and Lighting	Metro Transportation Group, Inc. 12651 McGregor Blvd, Suite 4-403 Fort Myers, Florida 33919-4489		X			X

CHANGE ORDER AGREEMENT No. 1  
or  
 SUPPLEMENTAL TASK SUTHORIZATION No.     

EXHIBIT "CO/STA-E"

Date: 1/14/02

PROJECT GUIDELINES AND CRITERIA

for Gunnery Road Improvements from S.R. 82 Opposite Daniels Parkway Extension to Lee Boulevard

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 work "None" in the space below.)

- Item No. 1**            **Tasks 1.00, 5.00, 6.00, and 7.08 were completed with the preliminary design report (under separate cover).**
- Item No. 2**            **The typical section identified in the preliminary design report was revised by the County to include a raised median for the four-lane roadway.**
- Item No. 3**            **Street lighting, other than for the signal at the intersection of Gunnery Road and Leonard, is not included in this Agreement.**

SUMMARY PER SHEET DESIGN AND POST DESIGN

ACTIVITY	CHIEF ENGINEER		PROJECT MANAGER		SENIOR ENGINEER		PROJECT ENGINEER		ENGINEER		SENIOR ENG. TECH.		ENGINEERING TECH.		Activity Fee	S/H Bv. Act.	Subcontract	Total Activity Fee	Avg. Hourly Rate
	Staff hours	Hourly Rate	Staff hours	Hourly Rate	Staff hours	Hourly Rate	Staff hours	Hourly Rate	Staff hours	Hourly Rate	Staff hours	Hourly Rate	Staff hours	Hourly Rate					
Task 1 - Public Involvement Program	0	\$150.00	0	\$123.00	0	\$114.00	0	\$100.00	0	\$85.00	0	\$67.00	0	\$57.00	\$0.00	0	\$0.00	\$0.00	\$0.00
Task 2 - Engineering and Land Surveys	0	\$150.00	16	\$123.00	12	\$114.00	14	\$100.00	24	\$85.00	30	\$67.00	0	\$57.00	\$8,786.00	96	\$144,412.88	\$153,198.88	\$91.52
Task 3 - Geotechnical Services	0	\$150.00	4	\$123.00	0	\$114.00	4	\$100.00	6	\$85.00	4	\$67.00	0	\$57.00	\$1,670.00	18	\$17,341.00	\$19,011.00	\$92.78
Task 4 - Environmental Inventory and Hazardous Material	0	\$150.00	0	\$123.00	0	\$114.00	0	\$100.00	0	\$85.00	0	\$67.00	0	\$57.00	\$0.00	0	\$1,680.00	\$1,680.00	\$0.00
Task 5 - Design Alternatives	0	\$150.00	0	\$123.00	0	\$114.00	0	\$100.00	0	\$85.00	0	\$67.00	0	\$57.00	\$0.00	0	\$0.00	\$0.00	\$0.00
Task 6 - Comparative Analysis	0	\$150.00	0	\$123.00	0	\$114.00	0	\$100.00	0	\$85.00	0	\$67.00	0	\$57.00	\$0.00	0	\$0.00	\$0.00	\$0.00
Task 7a - Roadway Plans	8	\$150.00	320	\$123.00	392	\$114.00	506	\$100.00	696	\$85.00	1025	\$67.00	722	\$57.00	\$304,837.00	3669	\$0.00	\$304,837.00	\$83.08
Task 7b - Bridge and Structures Plans	2	\$150.00	132	\$123.00	132	\$114.00	198	\$100.00	264	\$85.00	324	\$67.00	264	\$57.00	\$110,580.00	1316	\$0.00	\$110,580.00	\$84.03
Task 8 - Utility Relocation Plans	0	\$150.00	20	\$123.00	20	\$114.00	30	\$100.00	50	\$85.00	90	\$67.00	59	\$57.00	\$21,383.00	269	\$0.00	\$21,383.00	\$79.49
Task 9 - Right-of-Way Maps	0	\$150.00	16	\$123.00	0	\$114.00	6	\$100.00	16	\$85.00	10	\$67.00	0	\$57.00	\$4,598.00	48	\$68,011.20	\$72,609.20	\$95.79
Task 10 - Signalization and Street Lighting Plans	0	\$150.00	14	\$123.00	6	\$114.00	18	\$100.00	18	\$85.00	16	\$67.00	0	\$57.00	\$6,808.00	72	\$17,482.00	\$24,290.00	\$94.56
Task 11 - Signing and Pavement Marking Plans	0	\$150.00	22	\$123.00	28	\$114.00	62	\$100.00	80	\$85.00	68	\$67.00	56	\$57.00	\$26,646.00	316	\$0.00	\$26,646.00	\$84.32
Task 12 - Not Used	0	\$150.00	0	\$123.00	0	\$114.00	0	\$100.00	0	\$85.00	0	\$67.00	0	\$57.00	\$0.00	0	\$0.00	\$0.00	\$0.00
Task 13 - Permits	2	\$150.00	18	\$123.00	36	\$114.00	30	\$100.00	74	\$85.00	20	\$67.00	0	\$57.00	\$17,248.00	180	\$6,675.00	\$23,923.00	\$95.82
Task 14 - Final Bidding and Contract Documents	2	\$150.00	16	\$123.00	20	\$114.00	38	\$100.00	44	\$85.00	48	\$67.00	32	\$57.00	\$17,128.00	200	\$0.00	\$17,128.00	\$85.64
Task 15 - Advisory Services During Bidding	0	\$150.00	18	\$123.00	22	\$114.00	0	\$100.00	24	\$85.00	18	\$67.00	10	\$57.00	\$8,538.00	92	\$0.00	\$8,538.00	\$92.80
Task 16 - Post Design Services	0	\$150.00	0	\$123.00	0	\$114.00	0	\$100.00	0	\$85.00	0	\$67.00	0	\$57.00	\$0.00	0	\$0.00	\$0.00	\$0.00
TOTALS	14	\$150.00	596	\$123.00	668	\$114.00	906	\$100.00	1296	\$85.00	1653	\$67.00	1143	\$57.00	\$528,222.00	6276	\$255,602.08	\$783,824.08	\$84.17

Design Subtotal \$783,824.08  
 Post Design Subtotal \$0.00  
 Expenses \$4,000.00  
**GRAND TOTAL \$787,824.08**

County: Lee  
 Road: Guntery Road  
 Limits: SR 82 to Lee Blvd.  
 Consultant: Pitman Hartenstein and Associates

ACTIVITY	Staff hour	CHI			
		S/H By Act.	Subconsultant	Total Activity Fee	Avg. Hourly Rate
Task 1 - Public Involvement Program	0	0	\$0.00	\$0.00	\$0.00
Task 2 - Engineering and Land Surveys	0	96	\$144,412.88	\$153,198.88	\$91.52
Task 3 - Geotechnical Services	0	18	\$17,341.00	\$19,011.00	\$92.78
Task 4 - Environmental Inventory and Hazardous Material	0	0	\$1,680.00	\$1,680.00	\$0.00
Task 5 - Design Alternatives	0	0	\$0.00	\$0.00	\$0.00
Task 6 - Comparative Analysis	0	0	\$0.00	\$0.00	\$0.00
Task 7a - Roadway Plans	8	3669	\$0.00	\$304,837.00	\$83.08
Task 7b - Bridge and Structures Plans	2	1316	\$0.00	\$110,580.00	\$84.03
Task 8 - Utility Relocation Plans	0	269	\$0.00	\$21,383.00	\$79.49
Task 9 - Right-of-Way Maps	0	48	\$68,011.20	\$72,609.20	\$95.79
Task 10 - Signalization and Street Lighting Plans	0	72	\$17,482.00	\$24,290.00	\$94.56
Task 11 - Signing and Pavement Marking Plans	0	316	\$0.00	\$26,646.00	\$84.32
Task 12 - Not Used	0	0	\$0.00	\$0.00	\$0.00
Task 13 - Permits	2	180	\$6,675.00	\$23,923.00	\$95.82
Task 14 - Final Bidding and Contract Documents	2	200	\$0.00	\$17,128.00	\$85.64
Task 15 - Advisory Services During Bidding	0	92	\$0.00	\$8,538.00	\$92.80
Task 16 - Post Design Services	0	0	\$0.00	\$0.00	\$0.00
<b>TOTALS</b>	<b>14</b>	<b>6276</b>	<b>\$255,602.08</b>	<b>\$783,824.08</b>	<b>\$84.17</b>

County : Lee  
Road: Gunnery Road  
Limits: SR 82 to Lee Blvd.  
Consultant: Pitman Hartenstein and Associates

Design	Subtotal	<b>\$783,824.08</b>
Post Design	Subtotal	<b>\$0.00</b>
	Expenses	<b>\$4,000.00</b>
<b>GRAND TOTAL</b>		<b><u>\$787,824.08</u></b>



## SUMMARY PRELIMINARY ESTIMATE OF WORK EFFORT HIGHWAY & BRIDGES

FINANCIAL PROJECT ID: N/A  
 WPI NO.: / COUNTY SECTION N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: LEE

CONSULTANT NAME: Pitman Hartenstein and Associates, Inc.  
 PHONE NO.:/FAX NO.: 941 936 6466 / 936 7153

PROJECT MANAGER: Dan Craig, P.E.  
 INTERNET ADDRESS dcraig@phaengineers.com

ACTIVITIES DESCRIPTION	SUB ACTIVITIES	STAFF HOURS		REMARKS	
		STAFF HOURS	CADD HOURS	ESTIMATED BY: NAME	PHONE(EXT. NO.)
A ROADWAY	1. DESIGN ANALYSIS	668	0	Dan Craig	941 936 6466
	2. DRAINAGE ANALYSIS	740	0	Dan Craig	941 936 6466
	3. ROADWAY PLANS	1280	0	Dan Craig	941 936 6466
	4. INTERCHANGE	0	0		
	5. DRAINAGE PLANS	1081	0	Dan Craig	941 936 6466
	6. TRAFFIC CONTROL PLANS	262	0	Dan Craig	941 936 6466
	7. UTILITIES/RR	269	0	Dan Craig	941 936 9466
	8. ENVIR. SERVICES/PERMITS	180	0	Dan Craig	941 936 6466
	9. ENVIR. CULTURAL ASSESS.	0	0	Dan Craig	941 936 6466
B	SIGNING & PAVEMENT MARKINGS	316	0	Dan Craig	941 936 6466
C	SIGNALIZATION	72	0	Dan Craig	941 936 6466
D	LIGHTING	0	0	Dan Craig	941 936 6466
E	LANDSCAPE	0	0	Dan Craig	941 936 6466
F	OTHER Advisory Services during Bidding Post Design Services	92	0	Dan Craig	941 936 6466
		0	0		
G		0	0		
H		0	0		
I	OTHER AREAS Public Involvement	0	0		
J		0	0		
<b>A-J HIGHWAY TOTAL</b>		<b>4960</b>	<b>0</b>		
K	BRIDGE TOTAL	1316	0	Scott Jones	904 724 3546
<b>A-K HIGHWAY AND BRIDGE TOTAL</b>		<b>6276</b>	<b>0</b>		
F	DESIGN/ROW SURVEYS	SURVEY CREW SIZE	0	0	Bob Brandenburg 941 332 4569
		NO. OF PARTY DAYS	0	0	Bob Brandenburg 941 332 4569

STAFF DISTRIBUTION	(%) PERCENT	REMARKS
PROJECT MANAGER		
SENIOR ENGINEER		
DESIGN ENGINEER		
TECHNICAL OR SUPPORT		
Total	100%	

\* Machine Time  
 \*\* Office Support/Field Supervision (PLS + TECH)

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID: N/A  
 WPI NO./STATE PROJECT NUMBER: N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO.: 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS: dcraig@phaengineers.com

**ACTIVITY: A. ROADWAY PLANS PACKAGE**
**SUBACTIVITY: 1 - DESIGN ANALYSIS**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Typical Section Package	LS	1	4		4	0	Coordination. Typical Section per Preliminary Design Report
2. Geometrics	LS	1	56		56	0	
3. Access Management Plan	LS	1	0		0	0	Per Preliminary Design Report
4. Traffic Analysis/ Report	LS	1	8		8		Coordinate with Traffic Engineer
5. Pavement Design Package	LS	1	32		32	0	
6. Value Engineering	LS	0	0		0	0	
7. Contract File (Setup & Maintenance)	LS	1	24		24	0	
8. Computation Book & Quantities.	LS	1	200		200	0	
9. Summary of Pay Items	LS	1	32	2	32	0	Includes cost opinions
10. Special Provisions	LS	1	8		8	0	
11. Specifications	LS	1	40		40	0	
12. Geotechnical Coordination	LS	1	18	0	18	0	
13. Survey Coordination	LS	1	96		96		Design survey, utilities
14. R/W Mapping Coordination	LS	1	48		48		Parcel takes
15. Environmental Coordination	LS	1	10		10		
<b>SUBTOTAL</b>				<b>2</b>	<b>576</b>	<b>0</b>	
16. Quality Control	5-10%	0.025	576		14		
17. Supervision	5-10%	0.025	576		14		
18. Field Reviews	Each	4	4		16		
19. Progress Meetings	Each	12	4		48		1 per month
<b>SUBTOTAL</b>				<b>0</b>	<b>92</b>	<b>0</b>	
<b>TOTAL</b>				<b>2</b>	<b>668</b>	<b>0</b>	

HTL.A01

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/10/02  
 TIME: 02:26 PM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID: N/A  
 WPI NO./STATE PROJECT NUMBER: N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO.: 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS: dcraig@phaengineers.com

**ACTIVITY: A. ROADWAY PLANS PACKAGE**

**SUBACTIVITY: 2 - DRAINAGE ANALYSIS**

TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Design of Cross Drains.	Each	21	4	0	84	0	
2. Design of Roadway Ditches.	Mile	0	0	0	0	0	
3. Design of Outfall Ditches - Cross Drains	Each	0	0	0	0	0	Included in Task 6
4. Interchange Drainage Design	Each	0	0	0	0	0	Not applicable
5. Design of Storm Sewers	Each	130	2	0	260	0	Assume 130 inlets per Preliminary Design Report Includes piping hydraulics and gutter spread calcs.
6. Design of Stormwater Retention/ Detention Facility	Each	6	48	0	288	0	Includes control structures and outfall conveyance
7. Design of Special Drainage System	EA	0	0	0	0	0	
8. Preparation of Bridge Hydraulics Report	LS	1	0	0	0	0	Not included
9. Drainage Design Report	LS	1	40	0	40	0	
10. Design of Median Drains	EA	0	0	0	0	0	Included in Task 5
11. High Water Report	LS	0	0	0	0	0	Not included in project
12. MOT Drainage	LS	1	32	0	32	0	
13. Special Cross Drains	EA	0	0	0	0	0	
14. Box Culvert	LS				0		Hydraulic Analysis not included - match cross-sectional area of existing pipes
15. Pond Siting Report	LS				0		Not included
<b>SUBTOTAL</b>				<b>0</b>	<b>704</b>	<b>0</b>	
16. Quality Control	5-10%	0.025	704		18		
17. Supervision	5-10%	0.025	704		18		
18. Field Reviews	Each	0	0		0		Included in Rdwy Analysis
19. Progress Meetings	Each	0	0		0		Included in Rdwy Analysis
<b>SUBTOTAL</b>				<b>0</b>	<b>36</b>	<b>0</b>	
<b>TOTAL</b>				<b>0</b>	<b>740</b>	<b>0</b>	

HTLA02

PREPARED BY: Dab Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/08/02  
 TIME: 11:52 AM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID N/A  
 WPI NO./STATE PROJECT NUMBER N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO. 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS dcraig@phaengineers.com

**ACTIVITY: A. ROADWAY PLANS PACKAGE**
**SUBACTIVITY: 3 - ROADWAY PLANS**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Key Map	Sheet	1	8	1	8	0	
2. Typical Section & Notes	Sheet	2	12	2	24	0	
3. Summary of Quantities	Sheet	3	16	3	48	0	
4. Plan & Profiles	Sheet	20	30	20	600	0	40 scale
5. Intersection Details/ Profiles	Sheet	2	16	2	32	0	
6. Resurfacing Plans	Sheet	0	0	0	0	0	
7. Back of Sidewalk Profiles	Sheet	0	0	0	0	0	
8. Special Profiles	Sheet	0	0	0	0	0	
9. Miscellaneous Construction Details	Sheet	0	12	0	0	0	
10. Soil Data Sheet	Sheet	1	4	1	4	0	Coordination
11. Cross-Sections	Each	120	2.25	40	270	0	1 section every 100'
12. Baseline Control/Curve Data	Sheet	5	18	5	90	0	Project layout
13. Typical Section Details	Sheet	2	12	1	24	0	
14. Median Opening Details	Sheet	2	16	2	32	0	
15. Offsite road connections	Sheet	2	16	2	32	0	
<b>SUBTOTAL</b>				<b>79</b>	<b>1164</b>	<b>0</b>	
16. Quality Control	5-10%	0.05	1164	0	58		
17. Supervision	5-10%	0.05	1164	0	58		
18. Field Reviews	Each	0	0	0	0		included in design analysis
19. Progress Meetings	Each	0	0	0	0		included in design analysis
<b>SUBTOTAL</b>				<b>0</b>	<b>116</b>	<b>0</b>	
<b>TOTAL</b>				<b>79</b>	<b>1280</b>	<b>0</b>	

HTLA03

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/08/02  
 TIME: 11:52 AM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID: N/A  
 WPI NO./STATE PROJECT NUMBER: N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO.: 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS: dcraig@phaengineers.com

**ACTIVITY: A. ROADWAY PLANS PACKAGE**

**SUBACTIVITY: 5 - DRAINAGE PLANS**

(1) TASK	(2) BASIS OF EST.	(3) NO. OF UNITS	(4) HOURS /UNIT	(5) NO. OF SHEETS	(6) TOTAL HOURS	(7) CADD HOURS	(8) REMARKS
1. Drainage Map	Sheet	4	20	4	80	0	1"=100' scale, double stack sheets
2. Drainage Structures	Each	118	3.5	20	413	0	number of structures per prelim. design report
3. Summary of Drainage Structures	Sheet	5	22	5	110	0	
4. Lateral Ditches & Outfalls (Plans & Profiles)	Sheet	6	16	6	96	0	Assume 6 pond outfalls @ one sheet each.
5. Lateral Ditch Cross-Sections	Each	0	0	0	0	0	
6. Erosion Control Detail Sheet	Sheet	3	10	3	30	0	Text edit time on swppp, includes Notice of Intent
7. Bridge Hydraulic Recommendations Sheet	Sheet	1	8	1	8	0	Based on data supplied by East County WCD.
8. Stormwater Retention /Detention Plans	Sheet	6	22	6	132	0	6 ponds, Plan view and details 40 scale
9. Retention Area Cross-Sections	Each	36	2.5	12	90	0	6 Ponds, assume 6 per pond, 3 per sheet
10. Special Drainage	Each	6	4	6	24	0	Control structure details
11. Supplemental Drainage Maps	Sheet	0	0	0	0	0	Not applicable
12. Alternate Culvert Materials	Sheet	0	0	0	0	0	Not applicable
13. Other (Specify)					0		
14. Other (Specify)					0		
15. Other (Specify)					0		
<b>SUBTOTAL</b>				<b>63</b>	<b>983</b>	<b>0</b>	
16. Quality Control	5-10%	0.05	983		49		
17. Supervision	5-10%	0.05	983		49		
18. Field Reviews	Each				0		
19. Progress Meetings	Each				0		
<b>SUBTOTAL</b>				<b>0</b>	<b>98</b>	<b>0</b>	
<b>TOTAL</b>				<b>63</b>	<b>1081</b>	<b>0</b>	

HTL.A05

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/08/02  
 TIME: 11:52 AM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID: N/A  
 WPI NO./STATE PROJECT NUMBER: N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO.: 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS: dcraig@phaengineers.com

**ACTIVITY: A. ROADWAY PLANS PACKAGE**

**SUBACTIVITY: 6 - TRAFFIC CONTROL PLANS**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Traffic Control Plan Design Analysis	LS	1	20	0	20	0	
2. Typical Sections	Sheet	2	10	2	20	0	Assume 2 phases per sheet
3. General Notes/Phase Notes	Sheet	1	14	1	14	0	
4. Typical Details	Sheet	2	16	2	32	0	Advance warning signs, details at sidestreets
5. Tabulation of Quantities	Sheet	1	36	1	36	0	Includes providing back up for items not included in plans
6. Plan Sheets	Sheet	5	20	0	100	0	Work sheet plans for quantities
7. Pavement Markings/Signing Details	Sheet	0	0	0	0	0	Included in Plans and Indexes
8. Temporary Signal(s)	Sheet	1	16	1	16	0	Use typical detail and notes
9. Lane Closure Analysis	LS	0	0	0	0	0	
10. Computation of Quantities	LS	0	0	0	0	0	Included in item 5 above and in Design Analysis
11. Temporary Drainage Design	LS	0	0	0	0	0	Included in Drainage analysis
12. Other (Specify)					0		
13. Other (Specify)					0		
14. Other (Specify)					0		
15. Other (Specify)					0		
<b>SUBTOTAL</b>				<b>7</b>	<b>238</b>	<b>0</b>	
16. Quality Control	5-10%	0.05	238		12		
17. Supervision	5-10%	0.05	238		12		
18. Field Reviews	Each				0		Included in roadway
19. Progress Meetings	Each				0		Included in Roadway
<b>SUBTOTAL</b>				<b>0</b>	<b>24</b>	<b>0</b>	
<b>TOTAL</b>				<b>7</b>	<b>262</b>	<b>0</b>	

HTL.A06

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/08/02  
 TIME: 11:52 AM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID	N/A	PROJECT NAME:	Gunnery Road
WPI NO./STATE PROJECT NUMBER	N/A N/A	LIMIT-FROM:	SR 82
FEDERAL AID PROJECT NO.:	N/A	LIMIT-TO:	Lee Blvd.
TYPE PROJECT:	Widening and Reconstruction	COUNTY:	Lee
CONSULTANT NAME:	Pitman Hartenstein & Associates	PROJECT MGR.:	Dan Craig, P.E.
PHONE NO./FAX NO.	941 936 6466 / 936 7153	INTERNET ADDRESS	dcraig@phaengineers.com

**ACTIVITY: A. ROADWAY PLANS PACKAGE**
**SUBACTIVITY: 7 - UTILITIES/RAILROAD**

TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Initial Contact	Each	6	1	0	6	0	electric (2), telephone, cable, gas, sewer & water
2. Prepare Utility Adjustment Sheets	Sheet	14	8	14	112	0	60 scale
3. Coordination with Utility Companies					0	0	Assume maximum of 5 utility companies
A. Utility Pre-Design Meeting							
(1) Provide 60% plans to Utilities	Each	5	2	0	10	0	
(2) Pre-Design Meeting - Attend	Each	1	4	0	4	0	
(3) Pre-Design Meeting - Minutes	Each	1	4	0	4	0	
(4) Identify potential utility conflicts.	Each	5	8	0	40	0	
B. Final Relocation Assembly:					0	0	Assume maximum of 5 utility companies
(1) Provide 90% plans to Utilities	Each	5	2	0	10	0	
(2) Identify potential utility conflicts.	Each	5	8	0	40	0	
4. Coordinate Railroad Crossing	Each	0	0	0	0	0	Not applicable
5. Prepare Utility Relocation Agreements	Each	0	0	0	0	0	By County and individual utilities
6. Utility Meetings	Each	3	3	0	9	0	additional meetings for utility coord. - LCEC
7. Pot Hole Underground Utility	LS	0	0	0	0	0	Not included
8. Provide 30% Plans to Utilities	EA	5	2	0	10	0	Assume maximum of 5 utility companies
<b>SUBTOTAL</b>				<b>14</b>	<b>245</b>	<b>0</b>	
9. Quality Control	5-10%	0.05	245		12		
10. Supervision	5-10%	0.05	245		12		
11. Field Reviews	Each				0		
12. Progress Meetings	Each				0		
<b>SUBTOTAL</b>				<b>0</b>	<b>24</b>	<b>0</b>	
<b>TOTAL</b>				<b>14</b>	<b>269</b>	<b>0</b>	

HTL.A07

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/08/02  
 TIME: 11:52 AM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID: N/A  
 WPI NO./STATE PROJECT NUMBER: N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO.: 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS: dcraig@phaengineers.com

**ACTIVITY: A. ROADWAY PLANS PACKAGE**
**SUBACTIVITY: 8 - ENVIRONMENT. SERVICES/PERMITS**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Preliminary Field Review	EA	1	4	0	4	0	
2. Agency Coordination	EA	4	4	0	16	0	Preapplication and 3 permit coordination meetings
3. Establish Wetland Jurisdictional Lines	LS	0	0	0	0	0	By Boylan
4. Agency field Review	Each	0	0	0	0	0	By Boylan
5. Prepare USACOE Permit Application	LS	0	0	0	0	0	By Boylan
6. Prepare Stormwater Management Surface Water Permit Applic. (ERP)	LS	1	100	0	100	0	Includes 2 RAI
7. Prepare Coast Guard Navigation Permit Application	LS	0	0	0	0	0	Not Applicable
8. Prepare NPDES/EPA Permit Application and SWPPP Plans	LS	1	0	0	0	0	SWPPP Plans to be included in plans set See Drainage Plans
9. Prepare DNR/CCL Permit Application	LS	0	0	0	0	0	Not Applicable
10. Prepare Local Permits	LS	0	0	0	0	0	DSO by County
11. Mitigation Coordination & Meetings	LS	1	4	0	4	0	Meet with County on Policy
12. Mitigation Design	LS	0	0	0	0	0	Mitigation not included
13. Mitigation Plans	Sheet	0	0	0	0	0	Mitigation not included
14. FDOT Permit Coordination	LS	0	0	0	0	0	Not Included
15. East Lee County WCD	LS	1	40		40		Coordination, includes permits
<b>SUBTOTAL</b>				<b>0</b>	<b>164</b>	<b>0</b>	
16. Quality Control	5-10%	0.05	164		8		
17. Supervision	5-10%	0.05	164		8		
18. Field Reviews	Each				0		
19. Progress Meetings	Each				0		
<b>SUBTOTAL</b>				<b>0</b>	<b>16</b>	<b>0</b>	
<b>TOTAL</b>				<b>0</b>	<b>180</b>	<b>0</b>	

HTL.A08

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/08/02  
 TIME: 11:52 AM



# HIGHWAY TASK LIST

FINANCIAL PROJECT ID: N/A  
 WPI NO./STATE PROJECT NUMBER: N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO.: 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS: dcraig@phaengineers.com

**ACTIVITY: B. SIGNING & PAVEMENT MARKINGS**

**SUBACTIVITY:**

TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO. OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Key Sheet	Sheet	1	8	1	8	0	
2. General Notes	Sheet	1	4	1	4	0	
3. Block quantities	Sheet	2	28	1	56	0	
4. Plan Sheets	Sheet	10	20	10	200	0	Scale 1"=80'
5. Guide Sign Worksheet	Each	0	0	0	0	0	Not applicable
6. Cross-Sections & Layout	Each	0	0	0	0	0	Not applicable
7. Reference Files	LS	1	12	0	12	0	
8. Sign Details	Sheet	0	0	0	0	0	Not applicable
9. Metal/Concrete Pole Deta	Each	0	0	0	0	0	Not applicable
10. Service Point Details	Each	0	0	0	0	0	See lighting/signal plans
11. Summary of Pay Items	LS	1	8	0	8	0	
12. Special Provisions	LS	0	0	0	0	0	
13. Other (Specify)					0	0	
14. Other (Specify)					0	0	
15. Other (Specify)					0	0	
<b>SUBTOTAL</b>				<b>13</b>	<b>288</b>	<b>0</b>	
16. Quality Control	5-10%	0.05	288		14		
17. Supervision	5-10%	0.05	288		14		
18. Field Reviews	Each	0	0	0	0	0	Included in Rdwy Plans
19. Progress Meetings	Each	0	0	0	0	0	Included in Rdwy Plans
<b>SUBTOTAL</b>				<b>0</b>	<b>28</b>	<b>0</b>	
<b>TOTAL</b>				<b>13</b>	<b>316</b>	<b>0</b>	

HTL.B01

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/08/02  
 TIME: 11:52 AM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID N/A  
 WPI NO./STATE PROJECT NUMBER N/A N/A  
 FEDERAL AID PROJECT NO.: N/A  
 TYPE PROJECT: Widening and Reconstruction  
 CONSULTANT NAME: Pitman Hartenstein & Associates  
 PHONE NO./FAX NO. 941 936 6466 / 936 7153

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lee Blvd.  
 COUNTY: Lee  
 PROJECT MGR.: Dan Craig, P.E.  
 INTERNET ADDRESS dcraig@phaengineers.com

**ACTIVITY: C. SIGNALIZATION PLANS**
**SUBACTIVITY:**

(1) TASK	(2) BASIS OF EST.	(3) NO. OF UNITS	(4) HOURS /UNIT	(5) NO. OF SHEETS	(6) TOTAL HOURS	(7) CADD HOURS	(8) REMARKS
1. Engineering Analysis	Each				0	0	By Metro
2. Machine Counts	Each				0		By Metro
3. Turning Movement Counts	Each				0		By Metro
4. Inventory of Equipment	LS				0		By Metro
5. Key Sheet	Sheet				0		By Metro
6. Tabulation of Quantities	Sheet				0		By Metro
7. General Notes	Sheet				0		By Metro
8. Signalization Detail (Plan)	Sheet	3	2		6		Provide Base Drawings Does not include Gunnery / Lee intersection
9. Pole Details	Each				0		See Structures
10. Signal Interconnect	Sheet	20	1		20		Provide conduit in plan & profile sheets
11. Special Details	Each				0		By Metro
12. C.E.S./Summary of Pay Items	LS				0		By Metro
13. Special Provisions	LS				0		By Metro
14. Signal Coordination	LS	1	40		40		
15. Other (Specify)					0		
<b>SUBTOTAL</b>				<b>0</b>	<b>66</b>	<b>0</b>	
16. Quality Control	5-10%	0.05	66		3		
17. Supervision	5-10%	0.05	66		3		
18. Field Reviews	Each				0		
19. Progress Meetings	Each				0		
<b>SUBTOTAL</b>				<b>0</b>	<b>6</b>	<b>0</b>	
<b>TOTAL</b>				<b>0</b>	<b>72</b>	<b>0</b>	

HTL.C01

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/14/02  
 TIME: 09:41 AM

# HIGHWAY TASK LIST

FINANCIAL PROJECT ID: N/A  
 WPI NO./STATE PROJECT NUMBER: N/A N/A  
 TYPE PROJECT: Widening and Reconstruction

PROJECT NAME: Gunnery Road  
 LIMIT-FROM: SR 82  
 LIMIT-TO: Lec Blvd.  
 COUNTY: Lee

CONSULTANT NAME:  
 CONSULTANT PHONE NO.: 941 936 6466 / 936 7153

PROJECT MGR.: Dan Craig, P.E.  
 FAX NO.: dcraig@phaengineers.com

**ACTIVITY: F. OTHER**

**SUBACTIVITY: ADVISORY SERVICES DURING BIDDING**

(1) TASK	(2) BASIS OF EST.	(3) NO. OF UNITS	(4) HOURS /UNIT	(5) NO. OF SHEETS	(6) TOTAL HOURS	(7) CADD HOURS	(8) REMARKS
1. Pre Bid Meeting	Each	1	12		12	0	Includes Minutes
2. Issue Documents	Each	1	8		8		
3. Respond to Bidder Inquiries	Each	2	14		28		Assumes two addenda Includes Metro
4. Evaluate Bids	Each	1	8		8		
5. Unit Price Bid Tabulations	Each	1	12		12		
6. Attend Preconstruction Meeting	Each	1	16		16		Includes minutes Includes Metro
7. Other (Specify)	Sheet				0		
8. Other (Specify)	Sheet				0		
9. Other (Specify)	Sheet				0		
10. Other (Specify)	LS				0		
11. Other (Specify)	LS				0		
12. Other (Specify)	Sheet				0		
13. Other (Specify)	LS				0		
14. Other (Specify)	LS				0		
15. Other (Specify)					0		
<b>SUBTOTAL</b>				<b>0</b>	<b>84</b>	<b>0</b>	
16. Quality Control	5-10%	0.05	84		4		
17. Supervision	5-10%	0.05	84		4		
18. Field Reviews	Each				0		
19. Progress Meetings	Each				0		
<b>SUBTOTAL</b>				<b>0</b>	<b>8</b>	<b>0</b>	
<b>TOTAL</b>				<b>0</b>	<b>92</b>	<b>0</b>	

HTL.F01

PREPARED BY: Dan Craig, P.E.  
 PHONE NO.: 941 936 6466

DATE: 01/14/02  
 TIME: 09:43 AM



**BRIDGE TASK #1 BRIDGE #1**

WPI NO.: NA  
 FINANCIAL PROJECT ID: NA  
 TYPE PROJECT: BRIDGE  
 BRIDGE NUMBER(S): NEW BRIDGE  
 BRIDGE LOCATION: R 82 over BUTTERFLY CANAL

PROJECT NAME: GUNNERY ROAD  
 LIMIT - FROM: \_\_\_\_\_  
 LIMIT - TO: \_\_\_\_\_  
 COUNTY: LEE

CONSULTANT NAME: Pitman-Hartenstein & Associates, Inc., Engineers  
 CONSULTANT PHONE NO.: 941-936-6466

PROJECT MGR.: DAN CRAIG, P.E.  
 FAX NO.: 941-936-7153

**ACTIVITY : B. 30 PERCENT BRIDGE PLANS****SUBACTIVITY: NONE**

TASK	BASIS OF EST	NO. OF UNITS	HOURS /UNIT	NO OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Key Map	Sheet	N/A					
2. General Notes	Sheet	1	32		32		
3. General Plan & Elevation	Sheet	1	32		32		
4. Bridge Hydraulic Sheet	Sheet	1	24		24		Provided by others if required
5. Bridge Section	Sheet	1	28		28		
6. Pier / Bent	Sheet	2	28		56		INCLUDES END BENTS, BACKWALLS, WING WALLS AND PIERS
7. Bridge Geometrics	LS	1	24		24		
8. Traffic Control	Sheet	1					Maintain Traffic on existing lanes
9. Other (Specify)							
10. Other (Specify)							
<b>SUBTOTAL</b>					196		
11. Quality Control	5.00%				10		
12. Supervision	5.00%				10		
13. Progress Meeting	EA	3	8		24		
14. Field Review	EA	1	12		12		
<b>SUBTOTAL</b>					46		
<b>TOTAL</b>					242		

Tasklist.BB1

PREPARED BY: Scott W. Jones, P.E.  
 PHONE NO.: (904) 724-3546

DATE: 01/08/02  
 TIME: 11:35 AM

**BRIDGE TASK #1 BRIDGE #1**

WPI NO.: NA  
 FINANCIAL PROJECT ID: NA  
 TYPE PROJECT: BRIDGE  
 BRIDGE NUMBER(S): NEW BRIDGE  
 BRIDGE LOCATION: R 82 over BUTTERFLY CANAL

PROJECT NAME: GUNNERY ROAD  
 LIMIT - FROM: \_\_\_\_\_  
 LIMIT - TO: \_\_\_\_\_  
 COUNTY: LEE

CONSULTANT NAME: Pitman-Hartenstein & Associates, Inc., Engineers  
 CONSULTANT PHONE NO.: 941-936-6466

PROJECT MGR.: DAN CRAIG, P.E.  
 FAX NO.: 941-936-7153

**ACTIVITY : C. FINAL BRIDGE PLANS****SUBACTIVITY: 1 - DESIGN / ANALYSIS**

TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO OF SHEETS	TOTAL HOURS	CADD HOURS	REMARKS
1. Pile Capacity Computations (vertical & horizontal)	LS	1	28		28		
2. End Bent Design	LS	1	28		28		INCLUDES END BENT, BACKWALL, AND WING WALLS
3. Bulk Head Design	EA	1	28		28		
4. Pier Design	LS	1	28		28		
5. Superstructure Design	LS	1	40		40		ELEMENTS OF SUPERSTRUCTURE
6. Steel Beam Design	PER DESIGN						
7. Quantities	LS	1	24		24		
8. Cost Estimates	LS	1	16		16		
9. Field Review	EA						
10. Quantity Computation Book	LS	1	24		24		
11. Technical Special Provisions	LS	1	16		16		
12. Utility Accommodations	LS	1	16		16		
13. Misc. Details	LS	1	32		32		
14. Thermal & Seismic Design	LS	1					NA
<b>SUBTOTAL</b>					<b>280</b>		
15. Quality Control	5.00%				14		
16. Supervision	5.00%				15		
17. Progress Meeting	EA	2	8		16		
<b>SUBTOTAL</b>					<b>45</b>		
<b>TOTAL</b>					<b>325</b>		

Tasklist.BC1

PREPARED BY: Scott W. Jones, P.E.  
 PHONE NO.: (904) 724-3546

DATE: 01/08/02  
 TIME: 11:35 AM

**BRIDGE TASK #1 BRIDGE #1**

WPI NO.: NA  
 FINANCIAL PROJECT ID: NA  
 TYPE PROJECT: BRIDGE  
 BRIDGE NUMBER(S): NEW BRIDGE  
 BRIDGE LOCATION: R 82 over BUTTERFLY CANAL

PROJECT NAME: GUNNERY ROAD  
 LIMIT - FROM: \_\_\_\_\_  
 LIMIT - TO: \_\_\_\_\_  
 COUNTY: LEE

CONSULTANT NAME: Pitman-Hartenstein & Associates, Inc., Engineers  
 CONSULTANT PHONE NO.: 941-936-6466

PROJECT MGR.: DAN CRAIG, P.E.  
 FAX NO.: 941-936-7153

**ACTIVITY : C. FINAL BRIDGE PLANS****SUBACTIVITY: 2 - BRIDGE PLANS**

TASK	BASIS OF EST.	NO. OF UNITS	HOURS /UNIT	NO OF SHEETS	TOTAL HOURS	ADD. HOURS	REMARKS
1. General Notes & Index	Sheet		24	1	24		Update preliminary
2. General Plan & Elevation	Sheet		24	1	24		Update preliminary
3. Bridge DesignData Sheet	Sheet						(RR)
4. Bridge Hydraulic Sheet (BHRS)	Sheet		16	1	16		
5. Boring Log Sheet	Sheet		8	1	8		By Others
6. Finish Grade Sheet	Sheet		32	1	32		
7. Foundation Layout Sheet	Sheet		28	1	28		
8. End Bent Sheet	Sheet		24	2	48		
9. End Bent Details Sheet	Sheet		28	1	28		
10. Intermediate Bent Sheet or Pier Sheet	Sheet		24	2	48		INCLUDES DETAIL SHEET
11. Bulkhead & Sheet Pile Wall Details	Sheet		28	2	56		
12. Super Structure Sheet	Sheet		28	2	56		
13. Super Structure Detail Sheet	Sheet		28	1	28		
14. Framing Plan	Sheet						No Framing Plan Required
15. Prestressed Beam & Schedule	Sheet			2			
16. Expansion Joint Detail Sheet	Sheet						
17. Neoprene Bearing Pad Detail	Sheet		12	1	12		
18. Miscellaneous Detail	Sheet		28	2	56		
19. Approach Slab	Sheet		24	1	24		
20. Reinforcing Barlist	Sheet		24	2	48		
21. Standard Sheets	Sheet		8	4	32		Standard Sheets to Be Included in Set(Modified)
<b>SUBTOTAL</b>				<b>28</b>	<b>568</b>		
22. Quality Control	5.00%				28		
23. Supervision	5.00%				30		
24. Progress Meeting	EA						
<b>SUBTOTAL</b>					<b>58</b>		
<b>TOTAL</b>				<b>28</b>	<b>626</b>		

Tasklist.BC2

PREPARED BY: Scott W. Jones, P.E.  
 PHONE NO.: (904) 724-3546

DATE: 01/08/02  
 TIME: 11:35 AM







Pitman Hartenstein Subconsultant Fees

AIM	\$212,424.08
Boylan	\$8,355.00
Allied	\$17,341.00
Metro	\$17,482.00
Total	\$255,602.08



# AIM Engineering & Surveying, Inc.

12701 World Plaza Lane  
Fort Myers, FL 33907  
Phone: (888) 444-4444  
Fax: (888) 444-4444

RECEIVED

JAN 10 2002

January 9, 2002

PITMAN-HARTENSTEIN & ASSOC.

Mr. George R. Brinson Jr., P.E.  
Pitman Hartenstein & Associates, Inc.  
12701 World Plaza Lane  
Building #80  
Fort Myers, FL 33907

**RE: RE: GUNNERY ROAD PHASE II (DESIGN & R/W SURVEY)**  
**PROJECT NO: CN-99-04**

Dear Mr. Brinson:

Enclosed is our Negotiated Fee Proposal and Manhour Estimate for the above referenced project.

We look forward to working with you and your firm on this project.

Should you have any questions, or desire additional information, please call me at (800) 226-4569 or via mobile at (941) 338-7504.

Sincerely,

AIM Engineering & Surveying, Inc.

J.R. Brandenburg, P.L.S.  
Survey Manager

Enclosures

NEGOTIATED WITH MR. GEORGE BRINSON, P.E. ON JANUARY 9, 2002  
**GUNNERY ROAD PHASE II (DESIGN & R/W SURVEY)**  
 AIM Engineering & Surveying, Inc.

County Project No. CN-99-04 W.P.I. No. N/A  
 Desc. S.R. 82 to Lee Boulevard F.A.P. No. N/A  
 Length: 2.5 Miles: \_\_\_\_\_ Feet: \_\_\_\_\_ Lanes: \_\_\_\_\_ Div'd \_\_\_\_\_ Urban \_\_\_\_\_

ITEMS	3 MAN	4 MAN	5 MAN	COMMENTS
<b>*DESIGN SURVEY*</b>				
Baseline Control		0		
Alignment		2		Recover and reset as necessary
Reference Points		2		Recover and reset as necessary
Aerial Target Placement		0		
Bench Levels		2		Recover and reset as necessary
Topography		17		Including thirty-three (33) Side Streets
Roadway Cross-Section		17		Including thirty-three (33) Side Streets
Side Street Alignment		11		Establish Alignments in Center of R/W for 33 Side Streets
Underground Utilities		2		
Drainage Survey		2		Topography for two (2) canals
Outfall & Detention Survey		12		Six (6) Pond Sites
Jurisdictional Line Survey		4		
Bridge Data Survey		4		Two (2) Sites
<b>*RIGHT-OF-WAY SURVEY</b>				
Section Ties		9		Three (3) Sections
Subdivision Ties		30		Thirty-six (36) Blocks
Maint'd Right-of-Way Ties		0		
Building Ties		0		
Property Line Ties		0		
Right-of-Way Monumentation		0		
Boundary Survey		10		Twenty-one (21) Boundary Surveys (15 takes & 6 ponds)
Certified Corner Records		0		
<b>**TOTALS**</b>		124		

PARTY SIZE	DAILY RATE	ESTIMATED PARTY DAYS	ESTIMATED SURVEY COSTS
Four (4) Man	\$ 979.76	x 124	= \$ 121,490.24
Subtotal - Survey Costs =			\$ 121,490.24 (Not to Exceed)

OFFICE SUPPORT:

124 Manhours (Reg. Land Surv.)	@ \$ 75.60 /hr.	= \$ 9,374.40	(Not to Exceed)
248 Manhours (Technician)	@ \$ 54.63 /hr.	= \$ 13,548.24	(Not to Exceed)

RIGHT-OF-WAY MAPS:

177 Manhours (Reg. Land Surv.)	@ \$ 75.60 /hr.	= \$ 13,381.20
1000 Manhours (Technician)	@ \$ 54.63 /hr.	= \$ 54,630.00

Subtotal-Off. Support & Right-of-Way Maps = \$ 90,933.84 (Not to Exceed)  
 Including Legal Descriptions

TOTAL LUMP SUM COSTS = \$ 212,424.08 (Not to Exceed)

NEGOTIATED WITH MR. GEORGE BRINSON, P.E. ON JANUARY 9, 2002  
**GUNNERY ROAD PHASE II (DESIGN & R/W SURVEY)**

CN-99-04

**Manhour Estimate**

TASK	PARTY DAYS			OFFICE HOURS			REMARKS
	3 MAN	4 MAN	5 MAN	P.L.S.	TECH.	TOTAL	
<b>DESIGN SURVEY</b>							
1. Geodetic Baseline Control		0		0	0	0	
2. Alignment		2		2	4	6	Recover and reset as necessary
3. Reference Points		2		2	4	6	Recover and reset as necessary
4. Aerial Targets		0		0	0	0	
5. Bench Levels		2		2	4	6	Recover and reset as necessary
6. Topography		17		17	34	51	Including thirty-three (33) Side Streets
7. Roadway Cross-Sections/Profiles		17		17	34	51	Including thirty-three (33) Side Streets
8. Side Street Alignment		11		11	22	33	Establish Alignment in center of R/W for 33 Side Streets
9. Underground Surveys		2		2	4	6	
10. Drainage Survey		2		2	4	6	Topography for two (2) canals
11. Outfall, Detention & Mitigation Survey		12		12	24	36	Six (6) Pond Sites
12. Jurisdictional Line Survey		4		4	8	12	
13. Bridge Data Survey		4		4	8	12	Two (2) Sites
<b>RIGHT-OF-WAY SURVEY</b>							
1. Section Ties		9		9	18	27	Three (3) Sections
2. Subdivision Ties		30		30	60	90	Thirty-six (36) Blocks
3. Maintained Right-of-Way Ties		0		0	0	0	
4. Building Ties		0		0	0	0	
5. Property Line Ties		0		0	0	0	
6. Right-of-Way Monumentation		0		0	0	0	
7. Boundary Surveys		10		10	20	30	Twenty-one (21) Surveys (15 takes & 6 ponds)
8. Certified Corner Records		0		0	0	0	
<b>TOTAL</b>		124		124	248	372	

PREPARED BY: J.R. Brandenburg, P.L.S.  
AIM Engineering & Surveying, Inc.  
 PHONE NO.: (941) 332-4569

DATE: 11/30/01  
 TIME: 10:00 a.m.

NEGOTIATED WITH MR. GEORGE BRINSON, P.E. ON JANUARY 9, 2002  
**GUNNERY ROAD PHASE II (DESIGN & R/W SURVEY)**

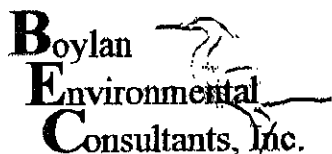
CN-99-04

**ESTIMATE OF WORK EFFORT  
 RIGHT-OF-WAY-MAPPING**

	MAN-HOURS /UNIT	NUMBER OF UNITS	TOTAL MAN-HOURS
<b>A. COVER SHEET - (Notes, Vicinity Map, Legend, Index, Border &amp; Project Limits)</b>	25	1	25
<b>B. KEY MAP (PER SHEET) (3 Sections)</b>	4	2	8
1. Check Alignment & Land Line Ties vs Field Book			
2. Plot alignment, land lines, exist. R/W lines & major topography	15	2	30
3. Check map, correct errors & Plot Sheets	8	2	16
(Sub-Total)			79
<b>C. DETAIL SHEETS (PER SHEET) (14 Sheets)</b>			
1. Preliminary Map			
a. Plot alignment, land lines, subdivisions & existing R/W lines	16	14	224
b. Check map, correct errors & Plot Sheets	6	14	84
c. Map Jurisdiction Lines	4	0	0
d. Reference Point Sheet (25 Reference Points)	12	2	24
(Sub-Total)			332
2. Final Map (PER SHEET)			
a. Process & Plot title search	7	14	98
b. Plot and Label Design requirements (Prop RW, Easements, etc)	8	14	112
c. Calculate Parcels (parent tract, take & remainder)	9	14	126
d. Label Parcel calculations on map (parent tract, take & remainder)	6	14	84
e. Plot limits of construction	2	n/a	0
f. Prepare tabulation of ownership sheet	16	4	64
g. Compare final map parcels with design plans	2	14	28
h. Revisions to map per Client Requests and Design Changes (Prop RW, Easements, etc)	6	14	84
i. Water Storage Sites (add to Detail Sheets)	6	6	36
(Sub-Total)			632
<b>D. 1. Field Review of take areas ( 15 parcels)</b>			8
<b>E. 1. Prepare Legal Description &amp; Boundary Survey Maps (Check, Plot and compare vs RW Maps and Plans) (15 Take Parcels and 6 pond sites @ 6 hrs each)</b>			126
<b>F. 2. Prepare Legal Description and Sketches for Temporary Construction Easements (Check, Plot and compare vs RW Maps and Plans) (161 Parcels @ 4 hrs each)</b>			0
<b>* 177 Hrs PLS &amp; 1000 Hrs Cad Tech</b>		<b>TOTAL</b>	<b>1177*</b>

Prepared By: Michael J. Zoltek, P.S.M.

Date: November 28, 2001



Wetland & Wildlife Surveys, Environmental Permitting,  
Impact Assessments

11000 Metro Parkway, Suite 4, Fort Myers, Florida, 33912 Phone:(941) 418-0671 Fax:(941) 418-0672

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## FACSIMILE COVER SHEET

Please deliver the following pages:

To: George Brinson  
4755 Summerlin Road  
Fort Myers, FL 33919

Date: December 3, 2001

Phone: PH&A

From: Rae Ann Boylan

Fax:

Project: Gunnery Road Scope

Number of pages, including this cover sheet:

X3

Description/Remarks:

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**Gunnery Road Improvements  
Permitting Tasks  
Boylan Environmental Consultants, Inc.**

**Task 4.01 Environmental Inventory**

b) The species survey that was completed in 1999 will be updated to reflect any changes in the status of the vegetation community and any changes in listed species presence. The vegetation mapping and listed species survey will also be revised to include the two additional culverted road crossings.

c) The soils mapping will be revised to include the two additional culverted road crossings.

**Task 13.01 Permit Application Meeting with Permitting Agencies**

A meeting will be held with representatives of the agencies to review the project, verify their limits of respective jurisdictional areas and obtain their comments and areas of concern.

**Task 13.02 Permit Application**

**Task 13.03 Permit Revisions**

**Task 13.04 FWC, EPA and FWS Coordination**

Should any of these agencies decide to intervene into the permitting process, coordination will be initiated with these agencies. Meetings and inspections will be conducted as necessary to resolve any outstanding issues. Responses to requests for additional information will be prepared and submitted until the application is deemed complete.



4.01(b)	2	180.00	16	1200.00	1380.00
4.01(c)			4	300.00	300.00
13.01	4	360.00	8	600.00	960.00
13.02	6	540.00	25	1875.00	2415.00
13.03	20	1800.00	20	1500.00	3300.00
Total					8355.00

This fee schedule does not include Task 13.04 (FWC, EPA and FWS coordination). Should this task become necessary a separate fee schedule will be provided.

# TRANSMITTAL

TO: George Erinson  
Pitman Hartenstein & Associates, Inc.  
4755 Summerlin Road Suite B, Fort Myers, FL 33919  
Fax No 941-936-7153

FROM: Morgan Dickinson  
Allied Engineering, Inc  
5300-A Lee Boulevard

RE: Lehigh Acres, FL 33470

DATE: 12/03/01

WE ARE SENDING YOU: *A copy of Estimated Fees  
 Geotechnical Engineering Services  
 Lehigh Road Improvements  
 Allied Proposal #199-470*

No. of Copies	Date	Description
1		

TRANSMITTED AS CHECKED BELOW:

For your use      ( ) As requested      ( ) For review

**Allied Engineering & Testing, Inc.**

5300-A Lee Boulevard, P. O. Box 754

Lehigh Acres, Florida 33970-0754

(941) 334-6833 • FAX (941) 334-6614

[www.Allied-Engineering.com](http://www.Allied-Engineering.com) • email: [Allied941@aol.com](mailto:Allied941@aol.com)

Estimated Fees  
 Geotechnical Engineering Services  
 Gunnery Road Improvements  
 Allied Proposal gt99-470

	Unit Price	Quantity	Cost
(2 SPT borings @ 70', 1 SPT borings @ 20', 2 SPT borings @ 30', 25 auger borings @ 5')			
<b>Field Operations</b>			
Mobilization of drill crew and equipment	\$ 200.00	1	\$ 200.00
SPT Borings - 2 @ 70' (bridge)	\$ 9.75	140	\$ 1,365.00
- 1 @ 20' (box culvert)	\$ 7.50	20	\$ 150.00
- 2 @ 30' (signal poles)	\$ 7.50	60	\$ 450.00
Auger Borings - 25 @ 5' (roadway)	\$ 7.00	125	\$ 875.00
Lee County Drilling Permit	\$ 75.00	1	\$ 75.00
Grouting of Borings	\$ 2.00	220	\$ 440.00
Casing Allowance (if req'd)	\$ 4.50	80	\$ 360.00
Infiltration Tests	\$ 300.00	3	\$ 900.00
Maintenance of Traffic, per day	\$ 400.00	3	\$ 1,200.00
Utility Clearance for Boring Locations	\$ 35.00	32	\$ 1,120.00
<b>Subtotal - Field Services</b>			<b>\$ 7,135.00</b>
<b>Laboratory Services</b>			
Soil Classification	\$ 2.00	120	\$ 240.00
Gradation Analysis	\$ 40.00	10	\$ 400.00
Percent Passing No. 200	\$ 23.00	10	\$ 230.00
Natural Water Content	\$ 7.00	23	\$ 161.00
Atterburg Limits	\$ 45.00	0	\$ -
Organic Content	\$ 35.00	3	\$ 105.00
LBR tests on existing subgrade	\$ 250.00	5	\$ 1,250.00
Corrosion Series	\$ 120.00	3	\$ 360.00
<b>Subtotal - Laboratory Services</b>			<b>\$ 2,746.00</b>
<b>Engineering Services</b>			
Senior Engineer	\$ 85.00	20	\$ 1,700.00
Project Engineer	\$ 75.00	64	\$ 4,800.00
CADD operator	\$ 35.00	16	\$ 560.00
Technical secretary	\$ 25.00	16	\$ 400.00
<b>Subtotal - Engineering Services</b>			<b>\$ 7,460.00</b>
<b>Final Total</b>			<b>\$ 17,341.00</b>



**METRO TRANSPORTATION GROUP, INC.**

**FAX TRANSMITTAL**

Traffic Engineering, Transportation Planning, Signal Systems/Design

**FORT MYERS**

12651 MCGREGOR BOULEVARD, SUITE 4-403

FORT MYERS, FLORIDA 33919-4489

PHONE: (941) 278-3090

FAX: (941) 278-1906

OTHER LOCATIONS:

Hanover Park, IL

(630) 213 - 1000

CHICAGO, IL

(312) 853-0820

TAMPA, FL

(813) 785-7383

**Date:** 12/5/2001

**Pages:** 2  
(including cover)

**FAX To:** George Brinson

**Company:** PHA

**FAX Number:** 936-7153

**From:** Greg Prytyka

**Subject:** Gunnery Road Signalization

**Copies To:**

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Fax No.: \_\_\_\_\_

A copy of this FAX  WILL BE  WILL NOT BE MAILED

**Message:**

Project Number: \_\_\_\_\_

George:

Attached is my fee estimate for the two signals on Gunnery Road. As mentioned, if we design only one signal, we can eliminate the plan sheet for the other. We could also reduce the technician hours for data collection.

Let me know where you want to go from here.

Thanks!

Greg

*Two signals = \$ 21,482.00*

*- \$ 7,400.00*

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*LEAVE 2.149 \$ 15,482.00*

**Confidentiality Notice:** The pages accompanying this facsimile transmission contain information from the consulting firm of Metro Transportation Group, Inc. which is confidential or privileged. The information is intended to be for the use of the individuals or entities named on this cover sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution, or use of the contents of this information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately, so that we can arrange for the retrieval of the original documents at no cost to you.



Date: November 19, 2001

**CONSULTANT'S PERSONNEL HOURLY RATE SCHEDULE\*\*\***

Firm Name: **METRO TRANSPORTATION GROUP, INC.**

(1) Project Position or Classification (Function to be Performed)	(2) Current Direct* Payroll Average Hourly Rate	(3) Multiplier**	(4) Hourly Rate to be Charged (Column 2x3)
Principal/Project Manager	\$52.00	2.96	\$153.92
Senior Engineer	\$37.50	2.96	\$111.00
Design Engineer	\$28.00	2.96	\$82.88
Technician	\$18.50	2.96	\$54.76
Clerical	\$14.50	2.96	\$42.92

@09/20/01