

**TASK AGREEMENT NO. 15
THE CITY OF FOLEY, ALABAMA
FERN AVENUE RESURFACING AND EXTENSION – ATRIP**

This Task is to be performed in accordance with the provisions of the agreement between **The City of Foley, Alabama** (OWNER) and **Volkert, Inc.** (ENGINEER) dated September 9, 2011.

SCOPE OF WORK

Generally the scope of services includes engineering, survey, and environmental documentation and permitting for the proposed Fern Avenue Resurfacing and Extension funded through ATRIP. The transportation improvements include the resurfacing of Fern Avenue with the addition of a 10' wide shared use walkway from Airport Drive to State Highway 59 and the extension of Fern Avenue from State Highway 59 to the Foley Beach Express in Foley, Alabama (see attached map). More specifically the work includes:

FIELD SURVEYS

Develop field survey of the existing Fern Avenue right-of-way (approximately 80' wide) from Airport Drive to State Highway 59 and the proposed Fern Avenue Extension corridor (approximately 140' wide) from State Highway 59 to the Foley beach Express. Field survey will include the following:

- Cross Sections, Topographic, Utility, and As-Built survey from right-of-way to right-of-way along the existing 80' wide Fern Avenue from Airport Drive to State Highway 59.
- Cross Sections, Topographic, Utility, and As-Built survey along the proposed Fern Avenue Extension 140' wide corridor from State Highway 59 to the Foley Beach Express.

Field Surveys Lump Sum Fee: \$66,295.00

RIGHT-OF-WAY MAP, TRACT SKETCHES, AND DEEDS

- Perform property ties thru the proposed Fern Avenue Extension corridor east of State Highway 59
- Stake acquired right of way
- Prepare tract sketches, ROW deeds, and legal descriptions

Right-of-Way Map, Tract Sketches, and Deeds Lump Sum Fee: \$14,073.00

ENGINEERING – ROADWAY PLANS

ROADWAY AND ROADWAY DRAINAGE DESIGN

The engineer hereby agrees to provide professional engineering design services for the project as follows:

- Perform a site visit with the survey noting restrictions, site distance, and general characteristics of the site
- Develop preliminary set of construction plans with preliminary cost estimates of the roadway improvements
- Coordinate with the City, Utility Providers, and ALDOT to review the preliminary design plans
- Develop intersection signal design and turn lane modifications for the intersection of Fern Avenue and State Highway 59 and the intersection of Fern Avenue Extension and the Foley Beach Express
- Meet with City and ALDOT to review the preliminary set of construction plans
- Identify any issues needed to address for final design and coordination
- Further develop preliminary plans into final construction plans including Title Sheet, quantity sheet, typical section, general notes, intersection details at 1"=20', entrance drive plan and profile, pavement marking plan, cross sections, signalization plans (by others), traffic control details.
- Meet with the City and ALDOT for review
- Develop quantities and cost estimates
- Submit plans to City and ALDOT for review and letting by ALDOT
- Develop contract documents and specifications as required by ALDOT
- Attend the pre-bid and pre-construction conferences

Engineering – Roadway Plans Lump Sum Fee: \$185,580.00

ENVIRONMENTAL (CORRIDOR STUDY)

NATIONAL ENVIRONMENTAL POLICY ACT DOCUMENTATION – CATEGORICAL EXCLUSION

The scope of work described below is based on the requirements set forth in “ALDOT’s County Transportation Bureau 2012 Procedural Guidelines for Federal-Aid Projects other than Bridge Replacement or 3R” and also evolving guidance being produced by the ALDOT Administration Bureau Innovative Programs Section. The consultant shall prepare the necessary documents and submit them to the ALDOT Innovative Programs Section, through the appropriate Division. The following scope of work will be used to conduct the environmental process to produce an environmental document that will comply with the National Environmental Policy Act and applicable supporting regulations and Executive Orders necessary to obtain approval for a Categorical Exclusion based on the above-referenced guidelines. It should be noted that the resulting environmental documentation will be valid for three (3) years from the date of the project’s resolution. If the project has not been authorized within three (3) years of the date of the resolution, the data must be resubmitted. Volkert will perform or assist in the development of the following items:

Project Location Maps

A Project Location Map (legible at letter size) using a 1:120,000-scale official Alabama Department of Transportation County Road Map will be prepared. In addition, 7.5 minute USGS topographic maps (letter size) showing the project location will be prepared.

Coordination with the ALDOT and FHWA to Identify Appropriate Level of Environmental Documentation

Coordination with the Division, ALDOT Innovative Programs, and the Federal Highway Administration will be required to identify the appropriate level of environmental documentation for the proposed project.

Project Review Consultation Form

The Project Review Consultation Form for use in coordination with the Alabama Historical Commission will be completed and transmitted to the Innovative Programs Section and the Division in which the proposed project is located.

Letter of Involvement/Initial Scope of Work

A Letter of Involvement/Initial Scope of Work will be prepared stating whether the proposed project would have any involvement with lands from a public park, recreation area, wildlife refuge, historic site, navigable waterway, airport, or railroad.

If the proposed project is located within two (2) miles of airport, coordination with the local ALDOT Division will be required to determine the appropriate procedures for addressing potential impacts on airport property. If the proposed project significantly increases the elevation of the roadway in relation to the airport, special procedures may be required.

If the proposed project involves a railroad grade crossing and work is to be performed within the railroad right-of-way, a Railroad Agreement or Memorandum of Understanding (MOU) will be required. If no work is to be conducted within the railroad right-of-way, the Letter of Involvement will clearly state this fact.

One (1) copy of the Letter of Involvement/Initial Scope of Work will be provided to both the Innovative Programs Section and the Division in which the proposed project is located.

Environmental Document

The environmental document will be prepared in accordance with the available example furnished by the Innovative Programs Section at the time the environmental document is initiated. Four (4) original signed copies will be submitted to the local ALDOT Division. Once received by the Division, the environmental document will be reviewed and forwarded to ALDOT's Innovative Programs Section for their review and approval. After approval by

ALDOT, the letter will be forwarded to the Office Engineer for further review and submission to the Federal Highway Administration.

Environmental Document Assumptions

- NEPA process will be CE.
- Right of way will be required.
- Cultural Resources Surveys are required.
- Project involves a new intersection so an air quality study will be required.
- Project involves new location roadway so a noise study will be required.
- Public Involvement will be required.

Environmental Permitting

DEPARTMENT OF THE ARMY (DOA), U.S. ARMY CORPS OF ENGINEERS (COE) SECTION 404 PERMIT APPLICATION

This permit is required for wetland fill. The COE will be the lead federal agency.

- Prepare and submit the Section 404 permit application and develop the necessary attachments for the proposed project.
- Conduct and attend two on-site reviews with the regulatory agencies.
- Perform a Wetland Determination of the project limits.

Response to comments received after the Public Notice will be performed under a separate scope of work on an hourly basis, since we cannot predict the number or extent of responses at this time.

Note: There is no guarantee assumed or implied that the regulatory agencies involved will approve the requested fill. Wetland permit fees and mitigation costs are not included in the fee estimate and will be the responsibility of the Owner when these items are determined through future coordination with the regulatory agency.

Additional Services

Should additional services and/or studies not specifically described above be required to satisfy the Federal Highway Administration's requirements, additional services will be performed based on the attached fee schedule, attached hereto as Exhibit "A".

Environmental Lump Sum Fee: \$81,107.00

Geotechnical Services by GET Geotechnical Testing:

The geotechnical services for design phase and testing will be provided by GET Geotechnical Testing as a sub-consultant to Volkert. Generally the work includes design phase services that may include coring the roadway and non-roadway areas to determine asphalt thickness and base conditions and will be used to develop pavement and base design for the project. Services to be billed in accordance with the unit rates provided in Exhibit "B".

Geotechnical Estimated Hourly Budget: \$98,516.00

Summary of Fees

Please see man power and fee proposal, attached hereto as Exhibit "C" for a detailed breakdown of the proposed man days and fee rates. Below is a summary of the fees for the scope of work defined above.

Lump Sum		
Field Surveys	\$66,295.00	Lump Sum
Right-of-Way Map, Tract Sketches, and Deeds	\$14,073.00	Lump Sum
Engineering Roadway & Roadway Drainage Design	\$185,580.00	Lump Sum
Environmental (Corridor Study)	\$81,107.00	Lump Sum
Geotechnical (Subconsultant Admin.)	\$4,926.00	Lump Sum
Total Lump Sum Fees	<u>\$351,981.00</u>	
 Hourly and Rate fees		
Design Phase Geotechnical	\$98,516.00	Unit Rate
Total hourly and rate fees	<u>\$98,516.00</u>	
 Grand Total Fees:	 <u>\$450,497.00</u>	

SCHEDULE- Work will be scheduled upon receipt of authorization and will continue until complete.

FEE- Fees will be billed monthly as work progresses on either a percent complete or on an hourly/rate basis as noted above.

It is expressly agreed upon and stipulated between the parties that this contract shall be deemed to have been made in the State of Alabama where the principal office of Volkert, Inc. is located. This contract shall be governed by the laws of the State of Alabama. The Circuit or District Court of Mobile, Alabama shall have jurisdiction over any dispute which arises under this contract, and each of the parties shall submit and hereby consents to the jurisdiction of either such court.

Submitted by: 
Volkert, Inc.
Guy E. O'Connor, P.E.

09/23/2013
Date

Approved by: _____
The City of Foley

Date

EXHIBIT "A"

**VOLKERT, INC.
ENVIRONMENTAL FEE SCHEDULE**



**CITY OF FOLEY
FEE SCHEDULE
EFFECTIVE MARCH 1, 2013**

<u>CLASSIFICATION</u>	<u>HOURLY BILLING RATE</u>	<u>OVERTIME HOURLY BILLING RATE</u>
Principal	\$230.00	\$230.00
Manager	\$220.00	\$220.00
Agency Liaison	\$220.00	\$220.00
Supervisor	\$200.00	\$200.00
Project Manager	\$170.00	\$170.00
Staff 2 Professional	\$125.00	\$125.00
Staff 1 Professional	\$100.00	\$100.00
Senior Designer	\$120.00	\$155.00
Designer	\$100.00	\$130.00
Technician	\$95.00	\$120.00
Drafter	\$55.00	\$70.00
Construction Manager	\$210.00	\$210.00
Construction Project Manager	\$130.00	\$130.00
Construction Inspector 2	\$85.00	\$110.00
Construction Inspector 1	\$50.00	\$65.00
Bridge Inspector	\$115.00	\$145.00
Survey Manager	\$165.00	\$165.00
Senior Surveyor	\$95.00	\$125.00
Survey Crew (2 Man)	\$160.00	\$205.00
Survey Crew (3 Man)	\$210.00	\$270.00
Survey Crew (4 Man)	\$250.00	\$320.00
Survey Crew (5 Man)	\$290.00	\$375.00
Project Administrator	\$115.00	\$145.00
Clerical	\$70.00	\$90.00
ROW Manager	\$230.00	\$230.00
Appraiser Supervisor	\$130.00	\$130.00
Appraiser Project Manager	\$100.00	\$100.00
Negotiator Project Manager	\$100.00	\$100.00
Negotiator	\$85.00	\$85.00
Relocation Project Manager	\$100.00	\$100.00
Relocation	\$95.00	\$95.00
ROW Clerical	\$45.00	\$45.00

OTHER

Mileage..... Included in Hourly Billing Rate
In House Printing Included in Hourly Billing Rate
Out of Pocket Expenses (Not Identified Above & Specific to Assignment) Cost

This rate schedule will be effective through March 1, 2014, at which time a revised Hourly Billing Rate Schedule will be mutually agreed to by Owner and Consultant.

EXHIBIT "B"

**GEOTECHNICAL ENGINEERING-TESTING, INC. FEE
PROPOSAL**

Dated September 16, 2013

ESTIMATE
GEOTECHNICAL DESIGN SERVICES FOR
FERN AVENUE REHABILITATION, RESURFACING AND EXTENSION
CITY OF FOLEY, ALABAMA
9/16/2013

TASK	ITEM	UNIT	RATE	QUANTITY	ITEM COST	TASK SUBTOTAL
Project Planning and Start Up						
	• Staff Professional - 1	hour	\$ 84.93	8	\$ 679.44	
	• Staff Professional - 2	hour	\$ 110.58	8	\$ 884.64	
	• Staff Professional - 3	hour	\$ 136.77	12	\$ 1,641.24	
	• Draftsman	hour	\$ 67.94	8	\$ 543.52	
	• Mileage	mile	\$ 0.565	100	\$ 56.50	
						\$ 3,805.34
Drilling						
	• Mobilization- ATV Drill	LS	\$ 500.00	1	\$ 500.00	
	• Soil Boring - AASHTO T206	ft	\$ 14.34	900	\$ 12,906.00	
	• 2" PVC Piezometer	ft	\$ 11.00	150	\$ 1,650.00	
	• Asphalt Coring (4" Diameter)	in	\$ 7.68	48	\$ 368.64	
	• Thin-Walled Tube Sampling	each	\$ 63.09	16	\$ 1,009.44	
	• Water Truck	day	\$ 146.08	12	\$ 1,752.96	
	• Technician - 1	hour	\$ 33.97	24	\$ 815.28	
	• Technician - 2	hour	\$ 46.82	24	\$ 1,128.08	
	• Technician - 3	hour	\$ 55.26	24	\$ 1,326.24	
						\$ 21,454.84
Clearing, Access, Erosion Control, Topsoil Measurements, Muck Soundings, and Project Field Supervision						
	• Clearing	Cost Plus + 10%	estimated		\$ 4,000.00	
	• Erosion Control Materials	Cost Plus + 10%	estimated		\$ 500.00	
	• Traffic Control	Cost Plus + 10%	estimated		\$ 1,500.00	
	• Technician - 1	hour	\$ 33.97	30	\$ 1,019.10	
	• Technician - 3	hour	\$ 55.26	30	\$ 1,657.80	
	• Technician - 5	hour	\$ 75.96	24	\$ 1,823.04	
	• Staff Professional - 1	hour	\$ 84.93	60	\$ 5,095.80	
	• Staff Professional - 2	hour	\$ 110.58	8	\$ 884.64	
	• Staff Professional - 3	hour	\$ 136.77	8	\$ 1,094.16	
	• Staff Professional - 4	hour	\$ 155.04	4	\$ 620.16	
	• Mileage	mile	\$ 0.565	1000	\$ 565.00	
						\$ 18,759.70
Laboratory Testing						
	• Dry Preparation of Soil Samples	each	\$ 20.00	120	\$ 2,400.00	
	• Sieve Analysis (hydrometer)	each	\$ 95.00	20	\$ 1,900.00	
	• Sieve Analysis	each	\$ 70.00	100	\$ 7,000.00	
	• Atterberg Limits	each	\$ 67.50	100	\$ 6,750.00	
	• Und. Triaxial Test UU w/out pp	point	\$ 110.00	8	\$ 880.00	
	• One Dimensional - Consolidation Test	point	\$ 300.00	4	\$ 1,200.00	
	• STD. Proctor	each	\$ 100.00	4	\$ 400.00	
	• Laboratory Resilient Modulus	each	\$ 550.00	4	\$ 2,200.00	
	• Topsoil Test	each	\$ 150.00	6	\$ 900.00	
	• Moisture Content Test	each	\$ 11.21	150	\$ 1,681.50	
						\$ 25,311.50

GEOTECHNICAL ENGINEERING-TESTING, INC.

ESTIMATE
GEOTECHNICAL DESIGN SERVICES FOR
FERN AVENUE REHABILITATION, RESURFACING AND EXTENSION
CITY OF FOLEY, ALABAMA

9/16/2013

TASK	ITEM	UNIT	RATE	QUANTITY	ITEM COST	TASK SUBTOTAL
Analysis and Report Preparation						
	• Technician - 5	hour	\$ 75.96	48	\$ 3,646.08	
	• Staff Professional - 2	hour	\$ 110.56	80	\$ 8,846.40	
	• Staff Professional - 3	hour	\$ 136.77	60	\$ 8,206.20	
	• Staff Professional - 4	hour	\$ 155.04	16	\$ 2,480.64	
	• Draftsman	hour	\$ 67.94	40	\$ 2,717.60	
	• Computer Processor	hour	\$ 54.84	8	\$ 438.72	
						\$ 26,335.64
Project Meetings						
	• Staff Professional - 3	hour	\$ 136.77	20	\$ 2,735.40	
	• Mileage	mile	\$ 0.565	200	\$ 113.00	
						\$ 2,848.40
ESTIMATED TOTAL FEE:						\$ 98,515.22

GEOTECHNICAL ENGINEERING-TESTING, INC.

EXHIBIT "C"

VOLKERT, INC. FEE PROPOSAL

Dated September 16, 2013

**VOLKERT, INC.
MANPOWER AND FEE PROPOSAL**

FOR

The City of Foley

Fern Avenue Resurfacing and Extension

Baldwin County

**Corridor Study, Field Survey, Construction Plans and
Geotech**

September 16, 2013

City of Foley

Project No. N/A			
County Baldwin			
Description Fern Avenue Resurfacing and Extension			
Scope of Work Corridor Study, Field Survey, Construction Plans and Geote			
Project Length 3.50 Miles			
Consultant Volkert, Inc.			
Fee Proposal (Corridor Study)			
PERSONNEL COST			
	Man-days	x Daily Rate	
Project Manager (10% of Eng. & Env.)	3.70	\$ 654.96	\$ 2,423.35
Engineer	0.00	\$ 315.04	\$ -
Engineering Technician/CADD	0.00	\$ 217.14	\$ -
Environmental	37.00	\$ 319.35	\$ 11,815.95
Environmental Technician	46.00	\$ 287.12	\$ 13,207.52
Clerical	0.00	\$ -	\$ -
Total Direct Labor			\$ 27,446.82
Combined Overhead (%)	155.61		\$ 42,710.00
Out-of-Pocket Expenses**			\$ 282.50
Sub-Total			\$ 70,439.32
Operating Margin (15%)			\$ 10,565.90
Sub-Total			\$ 81,005.22
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
Sub-Total			\$ 81,005.22
Facilities Capital Cost of Money (% of Direct Labor)	0.37		\$ 101.55
TOTAL FEE			\$ 81,106.77

**See Grand Total Fee sheet

NOTES:

1. NEPA process is assumed to be a CE.
2. A fee for Cultural resource surveys is included in the Environmental studies mandays.
3. New intersections will require an air quality study.
4. Public involvement will be required.
5. This proposal does not include permitting fees, mitigation costs or environmental monitoring during construction.

City of Foley

Project No. N/A County Baldwin Description Fern Avenue Resurfacing and Extension Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech Project Length 3.50 Miles Consultant Volkert, Inc.						
CORRIDOR STUDY						
	Engineer	Engineer, Tech.	Environment	Environ. Tech.	Clerical	
Task A: Preliminary Corridor Investigation						
A-1 Obtain & Study State Supplied Maps	0.00	0.00	0.00	1.00	0.00	0.00
A-2 Prepare Corridor Base Maps, Identify Features & Env. Sensitive Areas	0.00	0.00	1.00	1.00	0.00	0.00
A-3 Consult With Various Agencies, Ascertain Their Requirements	0.00	0.00	2.00	2.00	0.00	0.00
A-4 Develop General Design Criteria for Each Reasonable Alternate	0.00	0.00	0.00	0.00	0.00	0.00
A-5 Perform a Capacity Analysis for Each Design Alternate	0.00	0.00	0.00	0.00	0.00	0.00
A-6 Meet with State and FHWA	0.00	0.00	2.00	2.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00
Task A Totals	0.00	0.00	5.00	6.00	0.00	0.00
Task B: Alternative Upgrading Studies						
B-1 Develop and Study Preliminary Alternate Designs to Determine Feasibility	0.00	0.00	0.00	0.00	0.00	0.00
B-2 Tabulate ROW Requirements for All Alternates/Develop Cost Estimates	0.00	0.00	0.00	0.00	0.00	0.00
B-3 Conduct Environmental Studies/Develop Alternative Matrix (Noise and Air Analysis required)	0.00	0.00	25.00	25.00	0.00	0.00
B-4 Prepare Information for and Attend Public Inv. Meeting / Analyze Comments (Assumes Volk)	0.00	0.00	2.00	5.00	0.00	0.00
B-5 Review Feasible Alternates & Prepare a Categorical Exclusion	0.00	0.00	0.00	0.00	0.00	0.00
B-6 Prepare Information for and Attend Corridor Hearing / Analyze Comments	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00
Task B Totals	0.00	0.00	27.00	30.00	0.00	0.00
Task C: Permitting						
C-1 Assist with ADEM NPDES permit and USACE Individual permit documentation (fees and ml)	0.00	0.00	5.00	10.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00
Task C Totals	0.00	0.00	5.00	10.00	0.00	0.00
TOTALS	0.00	0.00	37.00	46.00	0.00	0.00

Project No. N/A
County Baldwin
Description Fern Avenue Resurfacing and Extension
Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech
Project Length 3.50 Miles

Consultant Volkert, Inc.

Out-of-pocket Expenses (Corridor Study)

TRAVEL COST

Mileage Cost	Trips	Miles/Trip	\$/Mile	Total
5 trips for meetings with USACE and ALDOT	5	100	\$0.565	\$ 282.50
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
Total Mileage Cost				\$ 282.50

Subsistence Cost	Days	# People	\$/Day	Total
Travel allowance (6 hour trips)	0	0	\$11.25	\$ -
Travel allowance (12 hour trips - meal provided by others)	0	0	\$20.00	\$ -
Travel allowance (12 hour trips)	0	0	\$30.00	\$ -
Travel allowance (overnight)***	0	0	\$75.00	\$ -
				\$ -
Total Subsistence Cost				\$ -
Total Travel Cost				\$ 282.50

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets/Set	Total Sheets	Cost/Sheet	Total
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction Cost					\$ -

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses \$ 282.50

Comments:

City of Foley

Project No. N/A			
County Baldwin			
Description Fern Avenue Resurfacing and Extension			
Scope of Work Corridor Study, Field Survey, Construction Plans and Geote			
Project Length 3.50 Miles			
Consultant Volkert, Inc.			
Fee Proposal (Field Survey)			
PERSONNEL COST			
	Man-days	x	Daily Rate
Project Manager (10% of PLS)	0.49	\$	654.96 \$ 320.93
PLS	4.85	\$	334.56 \$ 1,622.62
Survey Crew (see man-day sheet)	27.50	\$	611.12 \$ 16,805.80
Engineering Technician/CADD	17.25	\$	217.14 \$ 3,745.67
Clerical	0.00	\$	- \$ -
Total Direct Labor		\$	22,495.02
Combined Overhead (%)	155.61	\$	35,004.50
Out-of-Pocket Expenses**		\$	76.28
Sub-Total		\$	57,575.80
Operating Margin (15%)		\$	8,636.37
Sub-Total		\$	66,212.17
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
		\$	-
		\$	-
		\$	-
Subconsultant Administration Expense (5%)		\$	-
Sub-Total		\$	66,212.17
Facilities Capital Cost of Money (% of Direct Labor)	0.37	\$	83.23
TOTAL FEE		\$	66,295.40

Project No. N/A County Baldwin Description Fern Avenue Resurfacing and Extension Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech Project Length 3.50 Miles				
Consultant Volkert, Inc.				
FIELD SURVEY				
Based on a 4 Man Crew				
Task A: Mobilization and Basic Control Survey	PLS	Crew	Tech/CADD	Clerical
A-1 Mobilize/Demobilize	0.00	1.00	0.00	0.00
A-2 Contact Property Owners	0.10	0.00	0.25	0.00
A-3 Perform Basic Control Survey	0.00	2.00	0.00	0.00
A-4 Conduct On-site Inspection	1.00	0.00	1.00	0.00
Task A Totals	1.10	3.00	1.25	0.00
Task B: Project Alignment and Profile				
B-1 Run Closure of Basic Control Survey/Prepare Closure Diagram	0.25	1.00	1.00	0.00
B-2 Establish Centerline/Obtain Ground Profile	0.00	1.00	0.00	0.00
B-3 Obtain Topographic Data	0.50	5.00	4.00	0.00
Task B Totals	0.75	7.00	5.00	0.00
Task C: Supplemental Control Surveys and Data Gathering				
C-1 Traverse Cross-Roads and Railroads	0.00	0.50	0.00	0.00
C-2 Stream Topography & Cross Sections/Complete HYD-100 & 101 Forms	0.25	3.00	1.00	0.00
C-3 Obtain Cross-Sections at 100' Intervals and Ground Break Points	0.50	6.00	2.00	0.00
Task C Totals	0.75	9.50	3.00	0.00
Task D: Utility Surveys, Drainage Sections and Compilation of Data				
D-1 Identify/Locate Utilities	0.25	1.00	0.50	0.00

FIELD SURVEY				
	PLS	Crew	Tech/CADD	Clerical
D-2 Obtain Hydrological Location Survey	0.00	0.00	0.00	0.00
D-3 Tie All Available Section Corners & All Available Front Corners of Affected Properties to Project Centerline				
D-4 Obtain Copies of Latest Deeds	0.50	3.00	2.00	0.00
D-5 Set & Reference Pls, PCs, POTs, POCs, & other critical points	0.00	0.00	1.00	0.00
D-6 Reduce Survey Field Notes	0.50	2.00	1.00	0.00
D-7 Stake ROW	0.50	0.00	3.00	0.00
Task D Totals	2.25	8.00	8.00	0.00
TOTALS	4.85	27.50	17.25	0.00

Project No. N/A
 County Baldwin
 Description Fern Avenue Resurfacing and Extension
 Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech
 Project Length 3.50 Miles

Consultant Volkert, Inc.

Out-of-pocket Expenses (Field Survey)

TRAVEL COST

Mileage Cost	Trips	Miles/Trip	\$/Mile	Total
Trips to Site	27	5	\$0.565	\$ 76.28
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
Total Mileage Cost				\$ 76.28

Subsistence Cost	Days	# People	\$/Day	Total
Travel allowance (6 hour trips)	0	0	\$11.25	\$ -
Travel allowance (12 hour trips - meal provided by others)	0	0	\$20.00	\$ -
Travel allowance (12 hour trips)	0	0	\$30.00	\$ -
Travel allowance (overnight)***	0	0	\$75.00	\$ -
	0	0		\$ -
Total Subsistence Cost				\$ -
Total Travel Cost				\$ 76.28

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets/Set	Total Sheets	Cost/Sheet	Total
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction Cost					\$ -

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses \$ 76.28

Comments:

City of Foley

Project No. N/A			
County Baldwin			
Description Fern Avenue Resurfacing and Extension			
Scope of Work Corridor Study, Field Survey, Construction Plans and Geote			
Project Length 3.50 Miles			
Consultant Volkert, Inc.			
Fee Proposal (ROW Map, Tract Sketches & Deeds)			
PERSONNEL COST			
	Man-days x Daily Rate		
Project Manager (10% of Eng.)	0.40	\$ 654.96	\$ 261.98
Engineer	4.00	\$ 315.04	\$ 1,260.16
Engineering Technician/CADD	15.00	\$ 217.14	\$ 3,257.10
Clerical	0.00	\$ -	\$ -
	Total Direct Labor		\$ 4,779.24
Combined Overhead (%)	155.61		\$ 7,436.98
Out-of-Pocket Expenses**			\$ 5.65
	Sub-Total		\$ 12,221.87
Operating Margin (15%)			\$ 1,833.28
	Sub-Total		\$ 14,055.15
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
	Sub-Total		\$ 14,055.15
Facilities Capital Cost of Money (% of Direct Labor)	0.37		\$ 17.68
	TOTAL FEE		\$ 14,072.83

**See Grand Total Fee sheet

City of Foley

Project No. N/A County Baldwin Description Fern Avenue Resurfacing and Extension Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech Project Length 3.50 Miles Consultant Volkert, Inc.			
ROW Map, Tract Sketches and Deeds			
<i>Estimated number of takings= 12</i>			
Task A: Right-of-Way Map	Engineer	Tech/CADD	Clerical
Task B: Tract Sketches	2.00	5.00	0.00
Task C: Deeds	1.00	5.00	0.00
	1.00	5.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
TOTALS	4.00	15.00	0.00

Project No. N/A

County Baldwin

Description Fern Avenue Resurfacing and Extension

Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech

Project Length 3.50 Miles

Consultant Volkert, Inc.

Out-of-pocket Expenses (ROW Map, Tract Sketches & Deeds)**TRAVEL COST****Mileage Cost**

	Trips	Miles/Trip	\$/Mile	Total
Trips to Court House	2	5	\$0.565	\$ 5.65
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
Total Mileage Cost				\$ 5.65

Subsistence Cost

	Days	# People	\$/Day	Total
Travel allowance (6 hour trips)	0	0	\$11.25	\$ -
Travel allowance (12 hour trips - meal provided by others)	0	0	\$20.00	\$ -
Travel allowance (12 hour trips)	0	0	\$30.00	\$ -
Travel allowance (overnight)***	0	0	\$75.00	\$ -
				\$ -
Total Subsistence Cost				\$ -
Total Travel Cost				\$ 5.65

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets/Set	Total Sheets	Cost/Sheet	Total
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction Cost					\$ -

Communication Cost (telephone, fax, etc.)**Total**

\$ -

Postage Cost (overnight, stamps, etc.)**Total**

\$ -

Other (provide description on next line)**Total**

\$ -

Total Out-of-pocket Expenses**\$ 5.65****Comments:**

City of Foley

Project No. N/A			
County Baldwin			
Description Fern Avenue Resurfacing and Extension			
Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech			
Project Length 3.50 Miles			
Consultant Volkert, Inc.			
Fee Proposal (Roadway Plans)			
PERSONNEL COST			
	Man-days	x Daily Rate	
Project Manager (10% of Eng.)	10.19	\$ 654.96	\$ 6,674.04
Engineer	101.85	\$ 315.04	\$ 32,086.82
Engineering Technician/CADD	111.85	\$ 217.14	\$ 24,287.11
Clerical	0.00	\$ -	\$ -
Total Direct Labor			\$ 63,047.97
Combined Overhead (%)	155.61		\$ 98,108.95
Out-of-Pocket Expenses**			\$ 14.13
Sub-Total			\$ 161,171.05
Operating Margin (15%)			\$ 24,175.66
Sub-Total			\$ 185,346.71
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
Sub-Total			\$ 185,346.71
Facilities Capital Cost of Money (% of Direct Labor)	0.37		\$ 233.28
TOTAL FEE			\$ 185,579.99

**See Grand Total Fee sheet

Project Number <u>N/A</u>		CPMS # _____	
County <u>Baldwin</u>			
Description <u>Fern Avenue Resurfacing and Extension</u>			
Scope of work <u>Corridor Study, Field Survey, Construction Plans and Geotech</u>			
Length <u>3.50</u> miles			
Consultant <u>Volkert, Inc.</u>			

ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
TITLE SHEET	1.00	0.10	0.10	0.25	0.25
INDEX SHEET	1.00	0.25	0.25	0.50	0.50
GEOMETRIC LAYOUT/SURVEY CONTROL	1.00	0.50	0.50	1.00	1.00
PROJECT NOTE SHEET (Project)	1.00	0.25	0.25	0.25	0.25
PROJECT NOTE SHEET (TCP)	1.00	0.25	0.25	0.25	0.25
PROJECT NOTE SHEET (Signage)	1.00	0.25	0.25	0.25	0.25
PROJECT NOTE SHEET (Signals)	1.00	0.25	0.25	0.25	0.25
PROJECT NOTE SHEET (ITS)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Lighting)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Traffic Loops)	0.00	0.00	0.00	0.00	0.00
PLANS LEGEND & ABBREVIATIONS	1.00	0.10	0.10	0.15	0.15
TYPICAL SECTIONS					
Main Roadway	1.00	1.00	1.00	1.50	1.50
Cross Roads	1.00	1.00	1.00	1.50	1.50
Details	1.00	0.50	0.50	0.50	0.50
Ramps	0.00	0.00	0.00	0.00	0.00
Ditches	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SUMMARY SHEET					
Main Summary	2.00	0.25	0.50	0.50	1.00
SUMMARY BOX SHEETS					
Roadway Drainage (non-culvert)	1.00	1.00	1.00	1.00	1.00
Culvert Extension, New Culvert	0.00	0.00	0.00	0.00	0.00
Bridge Culvert Extension, New Bridge Culvert	0.00	0.00	0.00	0.00	0.00
Guardrail/End Anchors	0.00	0.00	0.00	0.00	0.00
Slope Paving (Under Bridges)	0.00	0.00	0.00	0.00	0.00
Side Drain Pipe	1.00	0.25	0.25	0.50	0.50
Signing	1.00	0.25	0.25	0.25	0.25
Base & Pavement	1.00	1.00	1.00	1.00	1.00
Bridge	0.00	0.00	0.00	0.00	0.00
Striping & Pavement Markings	1.00	0.25	0.25	0.50	0.50
Curb & Gutter	1.00	0.25	0.25	0.25	0.25
Bridge End Slabs	0.00	0.00	0.00	0.00	0.00
Roadway Lighting	0.00	0.00	0.00	0.00	0.00
Signals	1.00	1.00	1.00	1.00	1.00
ITS	0.00	0.00	0.00	0.00	0.00
Sidewalk	1.00	0.25	0.25	0.25	0.25
Slope Paving (Ditches)/Ditch Summary	1.00	0.50	0.50	1.00	1.00
Concrete Safety Barrier	0.00	0.00	0.00	0.00	0.00
Retaining Wall	0.00	0.00	0.00	0.00	0.00
Misc. Boxes	2.00	0.50	1.00	0.50	1.00

ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
Erosion Control	1.00	0.50	0.50	1.00	1.00
Removal Items	1.00	0.25	0.25	0.25	0.25
Utility Relocation	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
PLAN & PROFILE					
Main Roadway	7.00	2.00	14.00	2.00	14.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Detours	0.00	0.00	0.00	0.00	0.00
Retaining Walls	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
PAVING LAYOUT (includes striping and signing)					
Main Roadway	7.00	1.00	7.00	1.50	10.50
Crossroads	0.00	0.00	0.00	0.00	0.00
Intersections	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
INTERCHANGES					
Geometrics	0.00	0.00	0.00	0.00	0.00
Ramps Profiles	0.00	0.00	0.00	0.00	0.00
Site Grading	0.00	0.00	0.00	0.00	0.00
Cross Sections	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00
Ramp Gore Details	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
TRAFFIC CONTROL					
Sequence of Construction	1.00	1.00	1.00	1.00	1.00
Summary & Items	1.00	1.00	1.00	1.00	1.00
Typical Section Sketches	1.00	1.00	1.00	1.00	1.00
Layout Sheets (signs, devices, shifts, etc.)	14.00	0.25	3.50	0.50	7.00
Special Drawings	1.00	0.10	0.10	0.15	0.15
	0.00	0.00	0.00	0.00	0.00
SIGNING (on paving layout)					
Sign Layout	0.00	0.00	0.00	0.00	0.00
Sign X-Section	0.00	0.00	0.00	0.00	0.00
Sign Panel Details	0.00	0.00	0.00	0.00	0.00
Soils Data Sheets (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SIGNALIZATION					
Signal Layout and Traffic Analysis (1 per site)	2.00	2.00	4.00	2.00	4.00
Traffic Counts (1 per site)	2.00	0.15	0.30	1.00	2.00
Signal Warrant Analysis (1 per site)	2.00	0.50	1.00	0.25	0.50
Soils Data Sheets (provided by ALDOT)	2.00	0.00	0.00	0.10	0.20
	0.00	0.00	0.00	0.00	0.00
ITS					
Systems Engineering	0.00	0.00	0.00	0.00	0.00
Special Study	0.00	0.00	0.00	0.00	0.00
Legend	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
ITS Layouts	0.00	0.00	0.00	0.00	0.00

ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
Optical Fiber Splice Charts	0.00	0.00	0.00	0.00	0.00
Fiber - Cable Routing Diagram	0.00	0.00	0.00	0.00	0.00
Specifications	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
LIGHTING					
Plan Layout	0.00	0.00	0.00	0.00	0.00
Demo Plans	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
Soils & Passive Pressure (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
UTILITY SHEETS					
Utility Locations and coordination	7.00	0.50	3.50	0.50	3.50
Plotting new and relocated utility locations on P	7.00	0.50	3.50	1.00	7.00
DRAINAGE SECTIONS					
Pipe & Culvert X-Sect./Hydraulic Computations	5.00	1.00	5.00	1.50	7.50
Hydraulic Calculations for Roadway	1.00	10.00	10.00	1.50	1.50
Details	1.00	1.00	1.00	1.00	1.00
Drainage basin analysis	0.00	0.00	0.00	0.00	0.00
SOIL SHEETS					
Soil Boring Logs	1.00	0.00	0.00	0.10	0.10
Soil Profile	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
EROSION CONTROL					
Legend & Sequence	1.00	1.00	1.00	1.00	1.00
Phased Sheets (Phase I)	7.00	0.50	3.50	0.50	3.50
Phased Sheets (Phase II)	7.00	0.50	3.50	0.50	3.50
Phased Sheets (Phase III)	7.00	0.50	3.50	0.50	3.50
CBMPP & NOI	1.00	2.00	2.00	1.00	1.00
	0.00	0.00	0.00	0.00	0.00
ROADWAY CROSS SECTIONS					
Main Roadway	40.00	0.25	10.00	0.50	20.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Earthwork Balancing	1.00	1.00	1.00	1.00	1.00
	0.00	0.00	0.00	0.00	0.00
REVIEW COMMENTS					
30% Review			2.00		0.00
Plan-in-Hand Inspection			4.00		0.00
PS&E Inspection			3.00		0.00
Cost Estimates			1.00		1.00
Design Hearing			0.00		0.00
SUB-TOTAL	152.00		101.85		111.85
10% Supervision			10.19		
TOTALS	152.00		101.85		111.85

Project No. N/A
County Baldwin
Description Fern Avenue Resurfacing and Extension
Scope of Work Corridor Study, Field Survey, Construction Plans and Geotech
Project Length 3.50 Miles

Consultant Volkert, Inc.

Out-of-pocket Expenses (Roadway Plans)

TRAVEL COST

Mileage Cost	Trips	Miles/Trip	\$/Mile	Total
Field Reviews	5	5	\$0.565	\$ 14.13
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
	0	0	\$0.565	\$ -
Total Mileage Cost				\$ 14.13

Subsistence Cost	Days	# People	\$/Day	Total
Travel allowance (6 hour trips)	0	0	\$11.25	\$ -
Travel allowance (12 hour trips - meal provided by others)	0	0	\$20.00	\$ -
Travel allowance (12 hour trips)	0	0	\$30.00	\$ -
Travel allowance (overnight)***	0	0	\$75.00	\$ -
				\$ -
Total Subsistence Cost				\$ -
Total Travel Cost				\$ 14.13

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets/Set	Total Sheets	Cost/Sheet	Total
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction Cost					\$ -

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses \$ 14.13

Comments:

Project No. N/A			
County Baldwin			
Description Fern Avenue Resurfacing and Extension			
Corridor Study, Field Survey, Construction Plans and			
Scope of Work Geotech			
Project Length 3.50 Miles			
Consultant Volkert, Inc.			
Fee Proposal (Geotechnical)			
PERSONNEL COST			
	Man-days	x Daily Rate	
Project Manager (10% of Eng.)	0.00	\$ 654.96	\$ -
Engineer	0.00	\$ 315.04	\$ -
Engineering Technician/CADD	0.00	\$ 217.14	\$ -
Clerical	0.00	\$ -	\$ -
Total Direct Labor			\$ -
Combined Overhead (%)	155.61		\$ -
Out-of-Pocket Expenses**			\$ -
Sub-Total			\$ -
Operating Margin (15%)			\$ -
Sub-Total			\$ -
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
Geotechnical Engineering Testing			\$ 98,516.00
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ 4,925.80
Sub-Total			\$ 103,441.80
Facilities Capital Cost of Money (% of Direct Labor)	0.37		\$ -
TOTAL FEE			\$ 103,441.80

**See Grand Total Fee sheet