

**RESOLUTION NO. R-40-2023**

**A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE TOWNSHIP OF  
UNITY, COUNTY OF WESTMORELAND, COMMONWEALTH OF  
PENNSYLVANIA, APPOINTING A CONSULTING ENGINEER FOR BRIDGE  
INSPECTIONS, DESIGNATING A REPRESENTATIVE TO EXECUTE ALL  
DOCUMENTS ASSOCIATED WITH THE INSPECTION OF BRIDGES  
INCLUDING, BUT NOT LIMITED TO AGREEMENTS TO RETAIN  
CONSULTING ENGINEERS AND THE REIMBURSEMENT FOR COSTS  
INCURRED IN SAME**

WHEREAS, the Township of Unity (hereafter the "Township") is obligated to perform inspections on various bridges utilizing procedures established by the Commonwealth of Pennsylvania Department of Transportation (hereafter "PennDOT"); and

WHEREAS, in order to perform such inspections, the Township is required to retain the services of a "consulting engineer"; and

WHEREAS, the Township adopted procedures for the retention of a "consulting engineer" for bridge inspections consistent with PennDOT requirements for same; and

WHEREAS, the Township has followed the aforesaid procedures and desires to retain Gibson-Thomas Engineering as its consulting engineer for the aforesaid bridge inspections subject to the terms of that Project Specific Agreement No. L00807 in the form attached hereto, made a part hereof and Marked Exhibit "A"; and

WHEREAS, such inspections will be conducted in accordance with the National Bridge Inspection Standards (NBIS) Program following certain Cost Estimates and Technical Specifications prepared by Gibson-Thomas Engineering which have been reviewed and approved by PennDOT and submitted to the Township for final approval, such Cost Estimates being attached hereto, made a part hereof and marked Exhibit "B" and the Technical Specifications being attached hereto, made a part hereof and marked Exhibit "C"; and

WHEREAS, the Township adopts this Resolution to approve the attached Project Specific Agreement No. L00807, Cost Estimates and Technical Specifications for the aforesaid bridge inspections and authorize the Chairman of the Board of Supervisors and the Township Secretary to execute all documents and agreements necessary to carry out

and comply with its bridge inspection obligations on behalf of the Township and obtain funding for the reimbursement of same; and

WHEREAS, the Township is eligible to receive reimbursement, in whole or in part, for the costs it incurs for such inspections through a standardized Reimbursement Agreement to be prepared by PennDOT and approved by the Township; and

WHEREAS, the Board of Supervisors of Unity Township desires to approve the reimbursement agreement received from PennDOT subject to the review and approval of same by the Township Solicitor.

NOW, THEREFORE, WITH THE FOREGOING RECITALS BEING INCORPORATED HEREIN BY REFERENCE THERETO, THE BOARD OF SUPERVISORS OF THE TOWNSHIP OF UNITY, COUNTY OF WESTMORELAND AND COMMONWEALTH OF PENNSYLVANIA HEREBY RESOLVE AS FOLLOWS:

1. THAT, Gibson-Thomas Engineering is hereby appointed as the "Consulting Engineer for Unity Township for purposes of performing those bridge Inspections referenced herein.

2. THAT, Project Specific Agreement No. L00807 in the form attached hereto, made a part hereof and Marked Exhibit "A" be and is hereby approved.

3. THAT, those Cost Estimates and Technical Specifications for Bridge Inspections prepared by Gibson Thomas Engineering referenced above, and attached hereto, made a part hereof and marked Exhibits "B" and "C" respectively, be and are hereby approved.

4. THAT, the Reimbursement Agreement referenced above be and is hereby approved conditioned upon the final review and approval of same by the Township Solicitor.

5. THAT, Michael J. O'Barto, in his capacity as Chairman of the Board of Supervisors of Unity Township, and any successor to that position, be and is hereby authorized to execute and/or any and all documents and agreements necessary to carry out and comply with its bridge inspection obligations on behalf of the Township and/or obtain funding for the reimbursement of same, including, but not limited to, the Project Specific Agreement No. L00807, the Cost Estimates and Technical Specifications for Bridge Inspections and Reimbursement Agreement referenced herein.

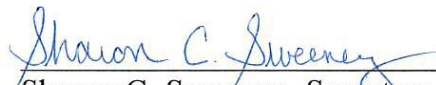
6. THAT, Sharon C. Sweeney, in her capacity as Secretary of the Board of Supervisors of Unity Township, and any successor to that position, be and is hereby

authorized to attest the signature of Michael J. O'Barto, or any successor to that position, to any and all other documents and agreements necessary to carry out and comply with its bridge inspection obligations on behalf of the Township and/or obtain funding for the reimbursement of same, including, but not limited to, the Project Specific Agreement No. L00807, the Cost Estimates and Technical Specifications for Bridge Inspections and Reimbursement Agreement referenced herein.


THIS RESOLUTION IS DULY ADOPTED AT A DULY ADVERTISED SPECIAL MEETING OF THE BOARD OF SUPERVISORS OF UNITY TOWNSHIP HELD THE 14th DAY OF DECEMBER, 2023 AND SHALL BE EFFECTIVE IMMEDIATELY.

ATTEST:

THE BOARD OF SUPERVISORS OF  
THE TOWNSHIP OF UNITY

  
\_\_\_\_\_  
Sharon C. Sweeney, Secretary

BY:   
\_\_\_\_\_  
Michael J. O'Barto, Chairman

  
\_\_\_\_\_  
Edward G. Poponick, Vice-Chairman

  
\_\_\_\_\_  
John F. Mylant, Supervisor



## LEGAL DOCUMENT

Agreement: L00807

Project Specific

Negotiation Complete

Name: Unity Township - NBIS Bridge Safety Inspections

Selection Process: Sole Source

Initiating Business Partner: 004769 - Unity Township, Westmoreland County

### Project Specific Agreement L00807

**\$175,240.13**

Maximum Agreement Cost

**Gibson-Thomas Engineering Company, Inc. 25-1236871**

Consultant - FID

### Cost Per Unit of Work

Method(s) of Payment

<u>Location</u>	<u>Route</u>	<u>Section</u>
Unity Township		

THIS AGREEMENT, made and entered into on [EXECUTION DATE], at 154 Beatty-County Road, Latrobe, PA, between Unity Township, Westmoreland County, acting through its Township Council, hereinafter called the Municipality, and Gibson-Thomas Engineering Company, Inc., a Corporation of CONSULTANTS, registered as such in the Commonwealth of Pennsylvania, their heirs, executors, administrators, successors, or assigns, ("CONSULTANT").

### WITNESSETH:

#### A. Scope Of This Agreement

##### 1. Project Identification

The Consultant, for and in consideration of the payment or payments specified in this AGREEMENT, shall perform all work and services, and furnish all equipment and materials not otherwise provided, for Local (NBIS) Bridge Safety Inspections and load rating/analyses in Unity Township, Westmoreland County.

##### Part 1 - Final Design

State Project Number: 0-IN12N-0-9-001-1250-315

Federal Project: NBIS-080-Y240

MPMS Number: 114973

Maximum Amount: \$175,240.13

Method of Payment: Cost Per Unit of Work

##### 2. Terms, Conditions and Provisions

- a. The Consultant agrees to comply with and to provide the required work and services in accordance with the provisions listed below, which are incorporated into this AGREEMENT by reference, as though physically attached.

- i. **Commonwealth Contractor Responsibility Provisions, dated December 1, 2020**
  - ii. **Consultant Integrity Provisions, dated January 14, 2015**
  - iii. **Commonwealth Nondiscrimination Clause for Consultant Agreements, dated August 15, 2018**
  - iv. **Federal Nondiscrimination and Equal Employment Opportunity Clauses, dated January 1976**
  - v. **Offset Provision for Commonwealth Contracts, dated October 25, 2010**
  - vi. **Pennsylvania Election Code, dated February 22, 2001**
  - vii. **Publication 442, Bureau of Design Specifications for Consultant Agreements, dated December 22, 2022**
  - viii. **Provisions Concerning the Americans With Disabilities Act, dated October 14, 2011**
  - ix. **US DOT Standard Title VI/Non-Discrimination Assurances, dated June 26, 2019**
  - x. **Enhanced Minimum Wage Provisions (July 2022)**
  - xi. **Automated Clearing House (ACH) Network Provisions, dated July 2021**
- b. By signing this Agreement, the Consultant certifies their compliance with the following requirements:
- i. **Consultant's Certification of Non-Collusion, dated February 1990**
  - ii. **Certification Regarding Debarment, Suspension and Other Responsibility Matters, dated August 1990**
  - iii. **Certificate of Restrictions on Lobbying, dated August 6, 1990**
  - iv. **Consultant's Acceptance of PA Workmen's Compensation Act, dated August 1999**
- c. By signing this Agreement, the Municipality certifies their compliance with the following requirement:
- i. **Municipality's Certificate of Non-Collusion, dated January 1999**
- d. The Consultant agrees to comply with and to provide the required work and services in accordance with the **Municipality's Standard Agreement Special Requirements, dated February 2014** and the following standard method of payment special provisions: **Method of Payment - Cost per Unit of Work (Municipal), dated February 2014**, which have been made available to the Consultant in electronic or paper form, and the Consultant's **Technical Proposal**, and **Price Proposal**, which are incorporated into this Agreement by reference.
- e. The scope of work and services, as set forth in the Consultant's technical proposal, are to be performed in conformance with the requirements of this Agreement and the applicable provisions of the current Department Publications, Manuals, Handbooks, Policies and Procedures. All indicated Responsibilities of the Department of Transportation will be construed to mean responsibilities of the Municipality. The Municipality and the Consultant shall confer at any time when the Department issues an amendment, revision, amplification, increase, and/or change to any Publication, Manual, Handbook, Policy or Procedures to determine whether there is a change in scope and/or accepted work and services completed by the Consultant which is ordered changed. The Municipality, with the approval of the Federal Highway Administration (FHWA) when applicable, where there is such a change, will issue a Supplemental Agreement.

## **B. Agreement Duration**

### **1. Notice To Proceed**

The consultant shall not proceed with work and services required under any Part of this Agreement until specifically authorized by the Municipality to proceed on that Part in the form of an electronic Notice to Proceed (NTP) issued through the Engineering and Construction Management System (ECMS).

### **2. Time Of Completion**

- a. The Consultant shall complete all of the work and services covered by each Part of this Agreement within the time period indicated below:

Part 1 - Within 60 calendar months after the NTP date.

- b. The Consultant shall not be eligible for and shall not request reimbursement from the Municipality for any costs incurred under an Agreement Part after the expiration of that Part.
- c. The time of completion for a Part may be extended by the execution of a Supplemental Agreement or by a letter signed by an authorized Municipal individual.

### **C. Compensation**

#### **1. Maximum Cost**

- a. The total cost of each Part of this Agreement shall not exceed the maximum cost for each Part as specified in the Consultant's Price Proposal. The total maximum cost of this Agreement shall not exceed \$175,240.13 without prior approval by the Municipality and by the Federal Highway Administration (FHWA), where applicable, in the form of a Supplemental Agreement signed by the Municipality and the Consultant.
- b. The maximum costs under each Part may be adjusted when the Consultant establishes and the Municipality and the Federal Highway Administration, if applicable, agrees that there has been or is to be a significant change in the following:
  - i. Scope, complexity, or character of the original work and services to be performed, induced, caused or directed by the Municipality.
  - ii. Conditions under which the original work and services were required to be performed, neither foreseen by the Municipality nor by the Consultant at the time of execution of the original Agreement, nor created thereafter by the Consultant.
  - iii. Duration of work, if the change from the time of completion specified in the Agreement was induced, caused or was the result of directions issued by the Municipality.
  - iv. The Municipality will not reimburse the Consultant for any costs incurred in excess of the maximum amount stipulated for any category of funds on the Consultant's invoice template as approved by the Municipality at the time the costs were incurred.

### **D. Disadvantaged Business Enterprise Goal**

- 1. The Consultant shall attain the Disadvantaged Business Enterprise goal of 10% of the total cost of this Agreement, including all supplements hereto. Costs included in a DBE firm's price proposal as direct cost of work and services by others shall not count as DBE participation in this Agreement for non DBE firms. In the alternative a showing of good faith effort shall be made.

For agreements with an established Disadvantaged Business Enterprise goal, documentation of good faith effort shall be made by the Consultant and be subject to the concurrence of the Department. A list of the requirements constituting good faith effort is included in this provision: [Good Faith Effort, dated May 4, 2001.](#)

#### **Direct Costs Other Than Payroll**

Direct Costs Other Than Payroll indicated in the Price Proposal are included for estimating purposes only. Charges for Direct Costs Other Than Payroll shall conform to current Department limitations and be invoiced at actual costs incurred or allowable Department maximum, whichever is less.

**Document Status: Municipal Agreement Owner Review**

**Prepared By: MARINA, FLORIN D.**

**Municipal Representative: Township Council**

Attachments

Name	Created By	Created On
<b>No records found.</b>		

Workflow			
Status	Name	Disposition	Date/Time
Draft	FLORIN D MARINA/PennDOT	Submit	12/05/2023 07:58:13 AM
Consultant Review	Kevin V Bittner P.E./PennDOT BP-000026 - Owner	Approve	12/05/2023 10:19:55 AM
<b>Comment:</b>			
<b>This comment is associated to a workflow action and will only be saved when performing a workflow action.</b>			

Audit Information			
Created By	Created On	Modified By	Modified On
FLORIN D MARINA/PennDOT	12/04/2023 01:18:52 PM	Kevin V Bittner P.E./PennDOT BP- 000026	12/05/2023 10:19:55 AM

You are currently logged in as **Sharon Sweeney**.

Release: 97.0  
Session size: 0.1k

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**Tue Dec 05 12:09:55 EST 2023**  
Official ECMS Date/Time

## TECHNICAL PROPOSAL REPORT

Agreement: L00807

Project Specific

Negotiation Complete

**Name:** Unity Township - NBIS Bridge Safety Inspections

**Selection Process:** Sole Source

**Initiating Business Partner:** 004769 - Unity Township, Westmoreland County

### Part 1 - Local NBIS Inspection 2024-2028

#### Description

5 year Local NBIS Bridge Inspection Agreement

#### Task 1 - Safety Inspection of State and Local Bridges

##### Objective:

2.7.5 - Safety Inspection of State and Local Bridges

Inspect, load rate, inventory and appraise all types of structures and perform follow-up work as directed.

##### Scope:

2.7.5 - Safety Inspection of State and Local Bridges

All inspection work should be done in accordance with the General Scope of Work described in Publication 238 Appendix IP 01-F that is current at the time of execution of the agreement.

#### Detail Task 1 - A1 Inspection 20' to 80'

##### Department Details:

Inspect a group of spans that meet the same category when the sum of the measured lengths meets the length boundary of the assigned category.

##### Approach:

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

The number of inspections is in accordance with the attached list.

#### Detail Task 2 - A3 Inspection 151' to 300'

##### Department Details:

This is for the inspection of a group of spans that meet the same category when the sum of the measured lengths meets the length boundary of the assigned category. This item is described in WBS 2.7.5.

##### Approach:

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

The number of inspections is in accordance with the attached list.

#### Detail Task 3 - Closed Bridge Inspection

##### Department Details:

Perform a closed bridge inspection as required by Pub 238. The level of effort required is generally much less than that of Routine Inspections of in-service bridges. The criticality of the conditions that necessitated the closing and the risk of collapse must be considered when determining the scope of the Closed Bridge Inspection.

##### Approach:

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

The number of inspections is in accordance with the attached list.

#### Detail Task 4 - Interim/ Special Inspection

##### Department Details:



Perform an interim (special) bridge inspection to meet the reduced interval between the biennial routine inspections as required by Publication 238. If an interim inspection is not scheduled by the Department, this unit not to be used without approval from the Department. Based on the extent of the inspection, additional I1 units may be required. One or all of the following conditions may be applicable:

For load posted bridges, verify that the required load posting signs are in place and check for any changes in dead load and the condition of the component that controls the load ratings/posting.

For bridges that require a reduced interval due to poor or worse condition, inspect the components that were identified in the most recent regular inspection and any subsequent interim inspections to be in a condition that requires more frequent inspections.

For temporary structures or bridges, or those with temporary supports, falsework or cribbing, verify that the temporary components are functioning as intended.

For bridges having high priority (priority 1) structural maintenance actions that have not been addressed, verify that the condition has not deteriorated to a critical (priority 0) condition.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

The number of inspections is in accordance with the attached list.

**Detail Task 5 - Flood monitoring**

**Department Details:**

Complete a Bridge Flood Monitoring Log for each scour critical bridge monitored (typically Category A).

Entries are to be made on the log each time the bridge is visited.

Assess the structure and field conditions during a flood event and properly execute notification processes and a bridge closure should a serious problem be discovered.

**Approach:**

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

Flood Monitoring will be performed following significant events, as directed by the Department.

**Detail Task 6 - Post-Flood Damage Inspection**

**Department Details:**

Inspect scour critical bridges as directed by the Department following significant flooding events. This inspection typically includes the inspection of the substructure units and the associated underwater/channel related items. The purpose of the inspection is to allow a bridge that was closed due to flooding to be safely re-opened to traffic, record flood damage and to identify appropriate maintenance actions.

**Approach:**

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

These inspections will be performed following significant events, as directed by the Department.

**Detail Task 7 - Initial Inspection Add-on**

**Department Details:**

This is to account for the additional time required to complete the inventory and measurements required in BMS2 for a first time inspection.

**Approach:**

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

This task will be performed as necessary, when directed by the Department.

**Detail Task 8 - I1 Unit (Hourly)**

**Department Details:**

This is an hourly unit for additional field inspection work. This unit requires an approved estimate for work to be authorized.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

This task will be performed once Department approval is received.

**Detail Task 9 - Travel Unit**

**Department Details:**

This task allows for the travel of a two man team for 1 hour per 50 miles traveled.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

**Detail Task 10 - Load Rating Span Type A****Department Details:**

Perform a load rating using PennDOT software for the span type identified. This unit must be preapproved by the District.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

Load Rating will be performed once District approval is received.

**Detail Task 11 - Load Rating Span Type D (Hourly)****Department Details:**

This hourly unit is for the continued analysis work associated with load ratings when standard software is not applicable. This unit not to be used without an approved estimate from the Department. This unit can also be used for the work associated with a load rating of arches (Open/Closed) and other structures that cannot be easily rated using standard PennDOT software.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

This task will be performed once Department approval is received.

**Detail Task 12 - Load Rating - Minor Updates****Department Details:**

Incorporate minor changes in dead loads or section properties into a load rating that was previously completed by any consultant covered by this agreement. Provide a complete, stand-alone copy of the load rating calculations, including the updates, to document the load ratings. This unit must be preapproved by the District.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

Updates to the load ratings will be performed once Department approval is received.

**Detail Task 13 - Meetings****Department Details:**

1. Arrange and conduct a meeting with local bridge owners and/or PennDOT to discuss critical deficiencies found during the inspection or to allow for a meeting with the local owner to discuss a bridge.
2. Prepare informal meeting minutes and supply copy of the minutes (with the inspection final report) to the District and bridge owner.
3. This unit must be coordinated with the District prior to execution.

**Approach:**

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

Meetings will be conducted once Department approval is received.

**Detail Task 14 - POA Development****Department Details:**

Develop a plan of action (POA) for a scour critical bridge or for another critical/high priority maintenance action (other than signing deficiencies). This unit is not for routine e-mail correspondence for priority 0 and 1 signing notification.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

Plans of Action will be developed in conjunction with critical deficiencies.

**Detail Task 15 - General Correspondence**

**Department Details:**

This unit is to be used for general correspondence with the municipalities and PennDOT. This unit is based on 10 e-mails per unit.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

**Detail Task 16 - Quality Assurance**

**Department Details:**

This unit is to be used for Quality Assurance in review of the finalized inspection report prior to submittal.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

**Detail Task 17 - Project Management (Internal)**

**Department Details:**

This is an hourly unit for internal Project Management.

**Approach:**

Gibson-Thomas and our subconsultant, A&A Consultants, Inc. will adhere to the Department's scope of work as described and as directed.

**Detail Task 18 - Railroad Add-on (Hourly)**

**Department Details:**

This unit is for the logistics and coordination needed when working with railroads. This item is described in WBS 2.7.5.

**Approach:**

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

**Detail Task 19 - Project Management of Sub Consultant**

**Department Details:**

This is an hourly unit for Project Management of Subs.

**Approach:**

Gibson-Thomas will adhere to the Department's scope of work as described and as directed.

**Consultant Hierarchy**

<b>Business Partner</b>	<b>DBE Type</b>	<b>Supervising BP</b>
Gibson-Thomas Engineering Company, Inc.	No	
A&A Consultants, Inc.	Yes	Gibson-Thomas Engineering Company, Inc.

**Attachments**

-  [Gibson-Thomas WPIC.pdf](#)
-  [A&A WPIC.pdf](#)

You are currently logged in as **Sharon Sweeney**.

**PRICE PROPOSAL REPORT -- CURRENT**

Agreement: L00807	Project Specific	Negotiation Complete
Name: Unity Township - NBIS Bridge Safety Inspections		Selection Process: Sole Source
Initiating Business Partner: 004769 - Unity Township, Westmoreland County		

Gibson-Thomas Engineering Company, Inc. - 000026	Qualifications Package
Type: Corporation	DBE Type: SBE:

Totals										
Direct Labor	Overhead	Other	Profit	PDA	Escalation	UOW	Cost	Hours	Cost By Others	Grand Total
\$0.00	\$0.00	\$1,990.00	\$0.00	\$25,950.00	\$0.00	\$127,317.40	\$155,257.40	0	\$19,982.73	\$175,240.13

Consultant Proposals											
Firm	Supervising Firm	Status	Cost	Current		Submitted		Commit		Amount	
				DBE	SBE	DBE	SBE	DBE	SBE	DBE	SBE
Gibson-Thomas Engineering Company, Inc.		Submitted	\$155,257.40	No	No	No	No	No	No	\$0.00	\$0.00
A&A Consultants, Inc.	Gibson-Thomas Engineering Company, Inc.	Submitted	\$19,982.73	Yes	Yes	Yes	Yes	Pending	Pending	\$19,982.73	\$19,982.73
			\$175,240.13	\$19,982.73	\$19,982.73	\$19,982.73	\$19,982.73	\$19,982.73	\$19,982.73	11.40%	11.40%

Part 1 - Local NBIS Inspection 2024-2028

Method of Payment - Cost Per Unit of Work

Pre-Determined Amounts (PDA)							
Business Partner	PDA Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost	
Gibson-Thomas Engineering Company, Inc.	Railroad Flagging	No	No	3	\$1,000.00	\$3,000.00	
Gibson-Thomas Engineering Company, Inc.	Railroad Liability Insurance	No	No	3	\$2,000.00	\$6,000.00	
Gibson-Thomas Engineering Company, Inc.	Railroad Right-of-Entry Permits	No	No	3	\$2,000.00	\$6,000.00	
Gibson-Thomas Engineering Company, Inc.	Rigging	No	No	2,250	\$3.00	\$6,750.00	
Gibson-Thomas Engineering Company, Inc.	Traffic Control	No	No	3	\$1,400.00	\$4,200.00	
<b>Pre-Determined Amount Total:</b>						\$25,950.00	

Cost Factors			
Field Overhead Rate	Office Overhead Rate	Profit Factor	
123.671%	147.892%		12.290%

Project Team			
First Name	Last Name	Classification	Rate
Jared	Bigham	SR Designer	\$36.00
Kevin	Bittner	SR Engineer	\$75.00
Matthew	Burns	Project Manager	\$53.00
Matthew	Burns	Engineer	\$53.00
Angie	Gessler	Adm Assistant/Secretary	\$37.00
Robert	Homer	Survey Tech Instr	\$33.82
Jonathan	Hurey	SR Designer	\$47.00
Nathan	Luczki	Engineer	\$42.00
Tammy	Mayger	Adm Assistant/Secretary	\$35.50
Dustin	Reed	Survey Tech Instr	\$44.00
R. Todd	Trabucco	SR Engineer	\$70.00
Gregory	Ulisse	Project Manager	\$68.00
Gregory	Ulisse	SR Engineer	\$68.00
Clayton	VanVerth	SR Engineer	\$70.00

Employees displayed in red have rates that have expired.

Other Costs						
Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**UNIT - A1 Inspection**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.1 - A1 Inspection 20' to 80'	21.00	\$47.36	\$994.51	\$0.00	\$302.99	\$345.49	\$3,113.79
<b>Labor Task Totals:</b>	21.00	\$47.36	\$994.51	\$0.00	\$302.99	\$345.49	\$3,113.79

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	A1 Inspection	14	\$3,113.79	\$43,593.06

**UNIT - A3 Inspection**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.2 - A3 Inspection 151' to 300'	25.00	\$50.13	\$1,253.30	\$0.00	\$381.83	\$435.39	\$3,924.05
<b>Labor Task Totals:</b>	25.00	\$50.13	\$1,253.30	\$0.00	\$381.83	\$435.39	\$3,924.05

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	A3 Inspection	3	\$3,924.05	\$11,772.15

**UNIT - Closed Bridge Inspection**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.3 - Closed Bridge Inspection	12.00	\$47.99	\$575.88	\$0.00	\$175.45	\$200.06	\$1,803.07
<b>Labor Task Totals:</b>	12.00	\$47.99	\$575.88	\$0.00	\$175.45	\$200.06	\$1,803.07

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Closed Bridge Inspection	3	\$1,803.07	\$5,409.21

**UNIT - Interim/Special Inspection**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.4 - Interim/ Special Inspection	12.00	\$47.99	\$575.88	\$0.00	\$175.45	\$200.06	\$1,803.07
<b>Labor Task Totals:</b>	12.00	\$47.99	\$575.88	\$0.00	\$175.45	\$200.06	\$1,803.07

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Interim/Special Inspection	12	\$1,803.07	\$21,636.84

**UNIT - Flood monitoring**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.5 - Flood monitoring	3.50	\$49.36	\$172.75	\$0.00	\$52.63	\$60.01	\$540.87
<b>Labor Task Totals:</b>	3.50	\$49.36	\$172.75	\$0.00	\$52.63	\$60.01	\$540.87

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Flood monitoring	8	\$540.87	\$4,326.96

**UNIT - Post-Flood Damage Inspection**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.6 - Post-Flood Damage Inspection	12.00	\$47.99	\$575.88	\$0.00	\$175.45	\$200.06	\$1,803.07
<b>Labor Task Totals:</b>	12.00	\$47.99	\$575.88	\$0.00	\$175.45	\$200.06	\$1,803.07

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>					\$0.00	

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Post-Flood Damage Inspection	7	\$1,803.07	\$12,621.49

**UNIT - Initial Inspection Add-on**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.7 - Initial Inspection Add-on	5.00	\$39.95	\$199.73	\$0.00	\$60.85	\$69.38	\$625.34
<b>Labor Task Totals:</b>	5.00	\$39.95	\$199.73	\$0.00	\$60.85	\$69.38	\$625.34

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>					\$0.00	

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Initial Inspection Add-on	3	\$625.34	\$1,876.02

**UNIT - I1 Unit (Hourly)**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.8 - I1 Unit (Hourly)	1.00	\$59.13	\$59.13	\$0.00	\$18.01	\$20.54	\$185.13
<b>Labor Task Totals:</b>	1.00	\$59.13	\$59.13	\$0.00	\$18.01	\$20.54	\$185.13

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>					\$0.00	

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	I1 Unit (Hourly)	11	\$185.13	\$2,036.43

**UNIT - Travel Unit**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.9 - Travel Unit	1.00	\$43.21	\$43.21	\$0.00	\$13.16	\$15.01	\$135.28
<b>Labor Task Totals:</b>	1.00	\$43.21	\$43.21	\$0.00	\$13.16	\$15.01	\$135.28

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>					\$0.00	

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Travel Unit	11	\$135.28	\$1,488.08

**UNIT - Load Rating Span Type A**

**Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.10 - Load Rating Span Type A	10.00	\$55.78	\$557.75	\$0.00	\$169.92	\$193.76	\$1,746.30
<b>Labor Task Totals:</b>	10.00	\$55.78	\$557.75	\$0.00	\$169.92	\$193.76	\$1,746.30

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>					\$0.00	

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Load Rating Span Type A	5	\$1,746.30	\$8,731.50

**UNIT - Load Rating Span Type D (Hourly)****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.11 - Load Rating Span Type D (Hourly)	1.00	\$47.50	\$47.50	\$0.00	\$14.47	\$16.50	\$148.72
<b>Labor Task Totals:</b>	1.00	\$47.50	\$47.50	\$0.00	\$14.47	\$16.50	\$148.72

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Load Rating Span Type D (Hourly)	8	\$148.72	\$1,189.76

**UNIT - Load Rating Minor Updates****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.12 - Load Rating - Minor Updates	2.00	\$43.21	\$86.41	\$0.00	\$26.33	\$30.02	\$270.55
<b>Labor Task Totals:</b>	2.00	\$43.21	\$86.41	\$0.00	\$26.33	\$30.02	\$270.55

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Load Rating Minor Updates	8	\$270.55	\$2,164.40

**UNIT - Meetings****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.13 - Meetings	4.50	\$60.50	\$272.25	\$0.00	\$82.94	\$94.58	\$852.41
<b>Labor Task Totals:</b>	4.50	\$60.50	\$272.25	\$0.00	\$82.94	\$94.58	\$852.41

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Meetings	6	\$852.41	\$5,114.46

**UNIT - POA Development****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.14 - POA Development	1.00	\$47.50	\$47.50	\$0.00	\$14.47	\$16.50	\$148.72
<b>Labor Task Totals:</b>	1.00	\$47.50	\$47.50	\$0.00	\$14.47	\$16.50	\$148.72

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	POA Development	8	\$148.72	\$1,189.76

**UNIT - General Correspondence****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.15 - General Correspondence	0.50	\$60.50	\$30.25	\$0.00	\$9.22	\$10.51	\$94.72
<b>Labor Task Totals:</b>	0.50	\$60.50	\$30.25	\$0.00	\$9.22	\$10.51	\$94.72

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	General Correspondence	4	\$94.72	\$378.88

**UNIT - Quality Assurance****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.16 - Quality Assurance	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42
<b>Labor Task Totals:</b>	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Quality Assurance	7	\$189.42	\$1,325.94

**UNIT - Project Management****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.17 - Project Management (Internal)	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42
<b>Labor Task Totals:</b>	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Project Management	7	\$189.42	\$1,325.94

**UNIT - Railroad Add-on (Hourly)****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.18 - Railroad Add-on (Hourly)	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42
<b>Labor Task Totals:</b>	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Railroad Add-on (Hourly)	3	\$189.42	\$568.26

**UNIT - Project Management of Sub****Labor Tasks**

Task Name	Hours	Average Rate	Total Payroll	Overhead	Profit	Escalation	Total Task Cost
1.19 - Project Management of Sub Consultant	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42
<b>Labor Task Totals:</b>	1.00	\$60.50	\$60.50	\$0.00	\$18.43	\$21.02	\$189.42

**Other Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
<b>Other Cost Total:</b>						\$0.00

**Unit of Work Total**

Business Partner	Unit of Work Name	Units	Avg Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Project Management of Sub	3	\$189.42	\$568.26

**Non-Unit Related Costs**

Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
A&A Consultants, Inc.	Mileage	Yes	Yes	1,000	\$0.66	\$660.00



Business Partner	Other Cost Name	DBE Eligible	SBE Eligible	Units	Cost Per Unit	Total Cost
Gibson-Thomas Engineering Company, Inc.	Mileage	No	No	1,500	\$0.66	\$990.00
Gibson-Thomas Engineering Company, Inc.	8-1/2" x 11" B/W Copies	No	No	4,000	\$0.10	\$400.00
Gibson-Thomas Engineering Company, Inc.	8-1/2" x 11" Color Copies	No	No	1,000	\$0.60	\$600.00
<b>Non-Unit Related Other Cost Total:</b>					\$2,650.00	

Part 1 Total:				
Business Partner	PDA Total	CPU Total	Non-Unit OC Total	Part Total
Gibson-Thomas Engineering Company, Inc.	\$25,950.00	\$127,317.40	\$1,990.00	\$155,257.40
A&A Consultants, Inc.	\$0.00	\$19,322.73	\$660.00	\$19,982.73
<b>Part Total:</b>	<b>\$ 25,950.00</b>	<b>\$ 146,640.13</b>	<b>\$ 2,650.00</b>	<b>\$ 175,240.13</b>

Estimate Total:				
Business Partner	PDA Total	CPU Total	Non-Unit OC Total	Estimate Total
Gibson-Thomas Engineering Company, Inc.	\$25,950.00	\$127,317.40	\$1,990.00	\$155,257.40
A&A Consultants, Inc.	\$0.00	\$19,322.73	\$660.00	\$19,982.73
<b>Estimate Total:</b>	<b>\$25,950.00</b>	<b>\$146,640.13</b>	<b>\$2,650.00</b>	<b>\$175,240.13</b>

You are currently logged in as Sharon Sweeney.