



## Contract Amendment

June 14, 2023

Andrew M. Breyer  
CITY OF WATERTOWN  
106 Jones Street  
Watertown, WI 53094

Project Name: Masonic Temple Basement  
Project Location: Watertown, WI  
Project number: 4667475-231187.01  
Mead & Hunt Manager: Tim Close, PE, SE

Subject: Amendment No. 01

Dear Mr. Breyer:

The above-referenced PROJECT requires an Amendment. The work in this Amendment is in addition to the Scope of Services stated in the original contract between the CLIENT CITY OF WATERTOWN and the CONSULTANT (Mead & Hunt, Inc.) dated 1/19/2023.

The CLIENT agrees that the CONSULTANT shall provide professional consulting services for the PROJECT as set forth in this Amendment and the CLIENT shall provide payment for those services as provided for in this Amendment.

A detailed description of our understanding of the Amended PROJECT Scope of Services, Schedule, and Compensation is provided below.

### **Reason for Amendment**

In the following discussion, the term "Hollow Sidewalk" refers to the phrase "Basement Extension" from the original contract.

The Hollow Sidewalk emanating from the Masonic Temple will need to be demolished and removed to in order to complete work on the Main Street Bridge Replacement project. Mead & Hunt, Inc. was originally engaged by the city of Watertown to determine if the Hollow Sidewalk could be removed without impacting the structural Stability of the Masonic Temple.

The Hollow Sidewalk was found to be **not** critical to the stability of the existing Masonic Temple. However, demolition and removal of the Hollow Sidewalk and Outer Seawall will result in an exposed vertical face located immediately adjacent to, and extending below, the foundations of the Masonic Temple. The consequence of which is a high probability for undermining below the foundations of the Masonic Temple.

Based on these findings, Mead & Hunt, Inc. was asked to provide a separate proposal to generate demolition plans for removal of the Hollow Sidewalk and Outer Seawall. The demolition plans are to include an underpinning solution to mitigate potential undermining of the Masonic Temple foundations during removal of the Hollow Sidewalk and Seawall.

**Amended Scope of Services**

The Scope of Services for the PROJECT is amended as follows:

- See Exhibit A for Scope of Service detail.
- See Exhibit B for Fee detail.

**Amended Schedule**

Mead & Hunt proposes the following revised dates to complete the work for this PROJECT:

- no change in schedule.

**Amended Compensation**

Form of compensation for work in this Amendment will be in accordance with the *Terms and Conditions* of the existing CONTRACT. The CITY OF WATERTOWN will pay Mead & Hunt an increase of \$239,987.00 for the work performed under this Amendment. This Amendment results in a revised contract amount of \$254,987.00 for the total PROJECT.

**Amended Responsibilities of CITY OF WATERTOWN**

In addition to those responsibilities listed in the original CONTRACT and previous amendments (if applicable), this Amendment is based on City of Watertown performing or providing the following:

- A designated representative with complete authority to transmit instructions and information.
- Access to the project site.
- Review of draft-final plans/specs/reports, etc. within one (1) week of receipt

(SIGNATURE PAGE TO FOLLOW)

**Authorization for Amendment**

The Amended Scope of Services, Schedule, and Compensation stated in this amendment are valid for a period of thirty (30) days from date of submission. If authorization to proceed is not received during this period, this amendment may be reviewed and modified by Mead & Hunt.

Signatures of authorized representatives of CITY OF WATERTOWN and Mead & Hunt shall amend the existing Agreement (original CONTRACT and all previous amendments, if applicable) between the two parties, and receipt of one signed copy shall be considered authorization to proceed with the work described in this Amendment. All services will be performed in accordance with the *Terms and Conditions* of the original CONTRACT and amendment, if applicable. If a signed copy of this Authorization is not received by Mead & Hunt, Inc. within seven (7) days from the date of issuance, Mead & Hunt, Inc. may stop work on the above services.

Respectfully submitted,

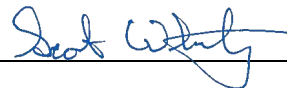
MEAD & HUNT, Inc.



Timothy J. Close, PE, SE  
Project Manager

Attachments

Approved by: MEAD & HUNT, INC.

By:  \_\_\_\_\_

Name: Scot Whitney, PE

Title: Vice President

Date: June 14, 2023

Accepted by: CITY OF WATERTOWN

By: \_\_\_\_\_

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

Title: \_\_\_\_\_

*The above person is authorized to sign for Client and bind the Client to the terms hereof.*

Date: \_\_\_\_\_

**EXHIBIT A**

**SCOPE OF SERVICES**

**AMENDMENT 01**

**CITY OF WATERTOWN**

**WATERTOWN, WISCONSIN**

**MASONIC TEMPLE**

**BASEMENT EXTENSION DEMOLITION AND MASONIC TEMPLE UNDERPINNING**

**June 14, 2023**

## **PROJECT UNDERSTANDING**

The Hollow Sidewalk was found to be **not** critical to the stability of the existing Masonic Temple. However, demolition and removal of the Hollow Sidewalk and Outer Seawall will result in an exposed vertical face located immediately adjacent to, and extending below, the foundations of the Masonic Temple. The consequence of which is a high probability for undermining below the foundations of the Masonic Temple.

The Work consists of generating Construction Documents and an Estimate of Probable Construction Costs for removal of the existing Hollow Sidewalk and Outer Seawall. Construction Documents will include an underpinning solution to mitigate potential undermining of the Masonic Temple foundations during removal of the Hollow Sidewalk and Seawall. The Work will also include Construction Administration Services associated with selective demolition and removal of the existing Hollow Sidewalk and Outer Seawall.

## **ESTIMATE OF PROBABLE CONSTRUCTION COST**

A preliminary, concept level Estimate of Probable Construction Cost was provided earlier. That estimate was given as a range from \$1,600,000 to \$2,000,000. A refined, design level, Estimate of Probable construction Cost will be provided as part of this project.

## **DESIGN SCHEDULE**

The design portion of the project will be into to Construction Documents, and Bidding Phase services. We anticipate the following durations for each of the indicated design phases.

- |     |                              |                                     |
|-----|------------------------------|-------------------------------------|
| 01. | Construction Documents (CD): | Deliver to WisDOT by August 1, 2023 |
| 02. | Bidding Phase (Bid):         | (4) four weeks                      |
| 03. | Total Design Duration:       | (12) twelve weeks                   |

## **SCOPE OF SERVICES DETAIL: CONSTRUCTION DOCUMENTS (DELIVER TO WISDOT BY 08.01.2023)**

01. PROJECT MANAGEMENT (PM)
  - A. Assemble design team.
  - B. Establish project scope and fee.
  - C. Prepare, update project work plans and tasks.
  - D. Prepare, update project work schedule.
  - E. Set up and monitor project invoicing and accounting.
  - F. Manage project budget and resources.
  - G. Internal team coordination meetings
  - H. Owner Communications.
  - I. Quality Control/ Quality Assurance.
  - J. Coordinate internal project closeout.
  
02. STAKEHOLDER COORDINATION AND COMMUNICATION
  - A. WISDOT Bridge Department: One hour per week for eight weeks.
  - B. City of Watertown: Once hour per week for eight weeks.

03. BUILDING CODE REVIEW
  - A. Structural Design Criteria.
  - B. Develop foundation, slab and structural frame criteria.
  - C. Develop structural systems and materials.
  - D. Identify lateral resistance requirements.
  
04. BIM MODEL DEVELOPMENT
  - A. Integrate Masonic Temple, Underpinning, Bridge Abutment, Wingwalls.
  - B. Adjust layout based on results of Clash Detection.
  
05. FOUNDATION UNDERPINNING DESIGN AND DOCUMENTATION
  - A. Evaluate options to determine optimal solution.
  - B. Optimal solution design for lateral earth pressure.
  - C. Optimal solution design for element and global sliding demand.
  - D. Optimal solution design for element and global overturning demand.
  - E. Optimal solution design for reinforcement.
  - F. Optimal solution design for doweling.
  - G. Optimal solution design for needle and pier.
  - H. Optimal solution design phasing stability.
  - I. Optimal solution plans.
  - J. Optimal solution specifications.
  - K. Optimal solution estimate of probable construction costs.
  - L. Optimal solution QA/QC.
  
06. HOLLOW SIDEWALK AND OUTER SEAWALL DEMOLITION DESIGN AND DOCUMENTATION
  - A. Hollow Sidewalk selective demolition phasing plans.
  - B. Hollow Sidewalk selective demolition details
  - C. Outer Seawall selective demolition phasing plans
  - D. Outer Seawall selective demolition details
  - E. Selective demolition drain-tile, sump, and pump plans.
  - F. Selective demolition specifications.
  - G. Selective demolition estimate of probable construction costs.
  - H. Selective demolition QA/QC.
  
07. STRONG-BACK BRACES DESIGN AND DOCUMENTATION
  - A. Strong-back brace design for torsional support of existing facade beam
  - B. Strong-back brace plans.
  - C. Strong-back brace specifications.
  - D. Strong-back brace estimate of probable construction costs.
  - E. Strong-back brace QA/QC

- 08. PLAN REVIEW SUBMITTAL
  - A. Compile and submit plans, specifications, structural calculations to Authority Having Jurisdiction.
  - B. Incorporate Plan Review comments into Bid Documents.
  
- 09. BANK WALL DEMOLITION AND BACKFILL DRAWINGS
  - A. Create demolition drawings.
    - a. Old bank wall
    - b. Sidewalk beams
    - c. Located on the northwest corner of the Main Street bridge.
  - B. Create site grading plan.
    - a. Backfill of bank property against new bridge wing wall
    - b. Not included: Design of any new wall, retaining or otherwise.

**SCOPE OF SERVICES DETAIL: BIDDING (4 WEEKS)**

- 01. PROJECT MANAGEMENT
  - A. Update project work plans and tasks.
  - B. Update project work schedule.
  - C. Monitor project invoicing and accounting.
  - D. Manage project budget and resources.
  - E. Internal team coordination meetings
  - F. Owner Communications.
  - G. Prepare addenda.
  - H. Conduct Pre-Bid Meeting.
  - I. Evaluate Bid proposals.
  
- 02. BID PERIOD TECHNICAL ASSISTANCE
  - A. Respond to bidder questions.
  - B. Prepare technical clarifications for addenda.
  - C. Evaluate request for substitutions.

**SCOPE OF SERVICES: CONSTRUCTION ADMINISTRATION (16 WEEKS)**

When used in this document, the “Design Team” includes the Project Manager, Structural Engineer, Project Assistant, and BIM Coordinator.

We anticipate the construction duration to be approximately four (4) months. Accordingly, the Scope of Services is based upon Project Management and Construction Administration services taking place over a period of 120 calendar days.

The Pre-Construction Conference will be a virtual meeting, with Mead & Hunt coordinating the meeting and represented at the meeting by the Design Team.

Owner, Architect, Contractor (OAC) meetings will take place once per week for four (4) months. In general, The Design Team will attend the OAC meetings virtually. The General Contractor will lead the OAC Meetings and provide the associated agenda and minutes. The OAC Meetings serve as the platform for the Contractor to review the project status with the Owner and Design Team. A debrief of work completed, schedule updates, submittal status, and unresolved issues will be provided.

Internal Design Team Progress Meetings will take place twice per month for four (4) months. The Design Team will attend the Internal Progress Meetings virtually. The Internal Progress Meetings are used to coordinate and track the progress of construction related Work that is the responsibility of the Design Team. Such Work may include submittal reviews, response to Requests for Information, evaluation of Change Proposals, and other issues for resolution.

The Design Team will observe the Work at appropriate intervals throughout the project. The Design Team will attend the OAC meeting on site corresponding to the week of the site observation and provide a Field Report for each site visit. The number of site visits performed by the Design Team will be as noted below.

- Project Manager at one (1) site visit per four (4) months.
- Structural Engineer at one (1) site visit per week for four (4) months.

The Contractor shall conduct a preliminary punch-list walk-through and document any incomplete items on a punch-list to be delivered to the Project Manager prior to the Design Team's Substantial Completion site inspection.

The Design Team will review and take appropriate action on the Contractor's submittals such as Shop Drawings, Product Data and Samples. The submittal review is limited to checking for conformance with the Contract Documents. The submittal review is not for determining the accuracy and completeness of other information such as dimensions, quantities, and installation of equipment or systems.

The Design Team will respond to, and process Requests for Information (RFI's) related to scope items. The Design Team will maintain a RFI Log to document progress and completion of RFI response. The Design Team may issue a Letter of Instruction (LOI) to provide clarifications to the Contract Documents as a response to an RFI.

The Design Team will coordinate changes in the Work. The Design Team will review Change Proposals from the Contractor and make recommendations to the Owner. The Design Team may prepare Construction Change Directives (CCD's) to provide the Contractor direction on scope changes while costs are negotiated. The Design Team may prepare Change Orders (CO's) to incorporate changes to the Contract.

The Design Team listed above will visit the site as indicated to become familiar with the progress and quality of the portion of the Work completed. Design Team members will also use these visits to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. Consultant's Representatives will not have control over, charge of, or responsibility for, the construction means, methods, techniques, sequences or procedures, or for the safety precautions and



programs in connection with the Work; these are solely the Contractor's rights and responsibilities under the Contract Documents.

Consultant's Representatives will keep the Owner informed regarding the progress and quality of the Work completed. They will report to the Owner known deviations from the Contract Documents and defects and deficiencies observed in the Work. Consultant's Representatives will convey to the Owner any variations from the most recent construction schedule as submitted by the Contractor.

Consultant's Representatives will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. Consultant's Representatives will not have control over, or charge of, and will not be responsible for errors or omissions of the Contractor, Sub-contractors, their agents or employees, or any other persons or entities performing portions of the Work.

#### **SCOPE OF SERVICES DETAIL: CONSTRUCTION ADMINISTRATION (16 WEEKS)**

The Scope of Work detail listed below represents major cost items associated with our Construction Administration Services. Designations are PM for Project Manager, AA for Project Assistant, S for Structural Engineer, B for BIM Coordinator.

01. PROJECT MANAGEMENT AND COORDINATION
  - A. Update project work plans and tasks.
  - B. Update project work schedule.
  - C. Monitor project invoicing and accounting.
  - D. Manage project budget and resources.
  - E. Internal team coordination meetings
  - F. Owner Communications.
  
02. PRE-CONSTRUCTION MEETING
  - A. Attend one (1) pre-construction conference.
    1. 1 thus, 1-hour conference call by PM, S, AA, B
  
03. EXTERNAL MEETINGS AND COORDINATION - 4 MONTHS (16 WEEKS)
  - A. Periodic site trips to observe work and attend progress meetings.
    1. 4 thus, 1-day, 8-hour trips by PM
    2. 16 thus, 1-day, 8-hour trips by S
  
04. INTERNAL MEETINGS AND COORDINATION - 4 MONTHS (16 WEEKS)
  - A. Once per week for internal staff construction submittals and change status debrief.
    1. 16 thus, 1-hour meeting by PM, PA, S, B
  
05. CONTRACTOR SUBMITTAL AND SHOP DRAWING REVIEW AND PROCESSING
  - A. DIVISION 02 - EXISTING CONDITIONS

1. 024113 Selective Site Demolition
2. 024116 Structure Demolition
3. 024119 Selective Demolition

B. DIVISION 03 - CONCRETE SUBMITTALS

1. 031000 Concrete Forming and Accessories
2. 032000 Concrete Reinforcing
3. 033000 Cast-in-Place Concrete

C. DIVISION 05 - METALS

1. 051200 Structural Steel Framing
2. 055000 Metal Fabrications

D. DIVISION 31 - EARTHWORK

1. 311000 Site Clearing
2. 312000 Earth Moving
3. 312329 Dewatering
4. 315000 Excavation Support and Protection
5. 314100 Shoring
6. 314800 Underpinning

06. PAY APPLICATION REVIEW - 4 MONTHS (16 WEEKS)

- A. Review proposed Schedule of Values
- B. Review 4 partial pay requests at 2.0 hours per request
- C. Forward recommendations to Owner.
- D. Maintain log of contract payment status

07. COORDINATE CHANGES IN THE WORK - 4 MONTHS (16 WEEKS)

- A. Respond to 16 Request for Information (RFI)
- B. Issue 8 Letters of Instruction (LOI)
- C. Issue 16 Request for Cost Proposals (RFCP)
- D. Review 16 Change Proposals (CP)
- E. Prepare 8 Change Orders (CO)
- F. Maintain log of RFI's, LOI's, RFCP's, CP's and CO's

08. CLOSE-OUT DOCUMENTS

- A. Record Drawings to reflect changes and Contractor as-builts.
- B. Review Operating and Maintenance Manuals provided by Contractor.

**WORK NOT INCLUDED**

01. Work under other or previous contracts

02. Meetings or site visits or overnight stays beyond those specifically noted.
03. Revisions to designs or documents due to changes in Owner directives.
04. Agency coordination or submittals.
05. Securing approvals of local neighborhood groups or other local agencies.
06. 3D animations.
07. Legal, property or easements surveys or recording.
08. Delineation or establishment of new easements.
09. Public meetings, hearings, or presentations.
10. Independent Construction Testing or Code special inspections/testing.
11. Construction surveying, layout or staking.
12. Review or evaluation of unsolicited material substitution proposals.
13. Review or evaluation of unsolicited product or material submittals.
14. Warranty Phase Services including Warranty Inspection.
15. Marketing, open-house, informational or promotional materials.
16. Toning or other underground utility location services.
17. Fees required by reviewing agencies unless specifically noted.
18. Design of facility signs.

**END OF SCOPE OF SERVICES**

**EXHIBIT B**

**FEE DETAIL  
AMENDMENT 01**

**CITY OF WATERTOWN  
WATERTOWN, WISCONSIN**

**MASONIC TEMPLE  
BASEMENT EXTENSION (HOLLOW SIDEWALK) DEMOLITION  
MASONIC TEMPLE UNDERPINNING**

**JUNE 14, 2023**

Task	Description	Direct Cost Labor	Expenses	Subconsultant	Total Cost
<b>Professional A/E Services</b>					
	<b>BASIC SERVICES</b>				
I.	Programming	\$0	\$0	\$0	\$0
II.	Schematic Design	\$0	\$0	\$0	\$0
III.	Design Development	\$0	\$0	\$0	\$0
IV.	Construction Documents	\$96,240	\$0	\$0	\$96,240
V.	Bidding	\$21,894	\$0	\$0	\$21,894
VI.	CA	\$120,303	\$1,550	\$0	\$121,853
VII.	Resident Rep	\$0	\$0	\$0	\$0
VIII.	Close Out	\$0	\$0	\$0	\$0
IX.	blank1	\$0	\$0	\$0	\$0
X.	blank2	\$0	\$0	\$0	\$0
XI.	blank3	\$0	\$0	\$0	\$0
XII.	blank4	\$0	\$0	\$0	\$0
	<b>Sub-Totals - Basic Services</b>	<b>\$238,437</b>	<b>\$1,550</b>	<b>\$0</b>	<b>\$239,987</b>
	Special Services	\$0	\$0	\$0	\$0
	<b>Sub-Total - Special Services</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	<b>Total Professional A/E Fee</b>	<b>\$238,437</b>	<b>\$1,550</b>	<b>\$0</b>	<b>\$239,987</b>



Task	Description											Ttt. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost	
<b>Construction Documents Phase - Summary of Professional A/E Services</b>																	
	<b>BASIC SERVICES</b>	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours					
I.	Tasks	85	34	14	72	0	0	0	0	0	0	0	205	\$40,528	\$0	\$0	\$40,528
II.	Tasks	14	156	32	124	0	0	0	0	0	0	0	326	\$55,712	\$0	\$0	\$55,712
III.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
IV.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
V.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VI.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VIII.	Mechanical	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
IX.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
X.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XI.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XIII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XIV.	Code	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XV.	Cost and Scheduling	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XVI.	TBD	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
	<b>Sub-Totals - Basic Services</b>	<b>99</b>	<b>190</b>	<b>46</b>	<b>196</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>531</b>	<b>\$96,240</b>	<b>\$0</b>	<b>\$0</b>	<b>\$96,240</b>
	<b>MATERIALS/SUPPLIES</b>														\$0	\$0	\$0
	<b>SOILS TESTING</b>														\$0	\$0	\$0
	<b>CONSULTANTS/SUBCONTRACTORS</b>														\$0	\$0	\$0
	<b>ESTIMATE OF TRAVEL EXPENSES</b>														\$0		\$0
	Air Travel		Trips	X		Cost per trip											
	Rental Vehicle		Days	X		Cost per day											
	Lodging		Nights	X		Cost per night											
	Meals (per diem)		Days	X		Cost per day											
	<b>MILEAGE</b>		Miles	X		Cost per mile									\$0		\$0
	<b>REPRODUCTION</b>		Sets	X		Cost per set									\$0		\$0
	<b>Sub-Totals - Basic Services Itemized Expenses</b>														\$0	\$0	\$0
	<b>SPECIAL SERVICES:</b>																\$0
																	\$0
																	\$0
	<b>Sub-Total - Special Services</b>														\$0	\$0	\$0

Task	Description	Senior Associate	Project Engineer	Administrative Assistant	Senior Technician							Tit. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost
		TJC	DKC	JS	MJE											
		WA	WI	WE	WI											
		\$250	\$187	\$100	\$160	\$0	\$0	\$0	\$0	\$0	\$0					
<b>Construction Documents Phase - Summary of Professional A/E Services</b>																
<b>I.</b>	<b>Tasks</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>				
	<b>01. PROJECT MANAGEMENT</b>											0	\$0			\$0
	A. Assemble design team.	1										1	\$250			\$250
	B. Establish project scope and fee.	8										8	\$2,000			\$2,000
	C. Prepare, update project work plans and tasks.	8		2								10	\$2,200			\$2,200
	D. Prepare, update project work schedule.	8		2								10	\$2,200			\$2,200
	E. Set up and monitor project invoicing and accounting.	8		2								10	\$2,200			\$2,200
	F. Manage project budget and resources.	8										8	\$2,000			\$2,000
	G. Internal team coordination meetings	8	8	8	8							32	\$5,576			\$5,576
	H. Owner Communications.	8										8	\$2,000			\$2,000
	I. Quality Control/ Quality Assurance.	4										4	\$1,000			\$1,000
	J. Coordinate internal project closeout.	8										8	\$2,000			\$2,000
												0	\$0			\$0
												0	\$0			\$0
	<b>02. STAKEHOLDER COORDINATION AND COMMUNICATION</b>											0	\$0			\$0
	A. WISDOT Bridge Department: One hour per week for eight weeks.	8	8									16	\$3,496			\$3,496
	B. City of Watertown: Once hour per week for eight weeks.	8	8									16	\$3,496			\$3,496
												0	\$0			\$0
												0	\$0			\$0
	<b>03. BUILDING CODE REVIEW</b>											0	\$0			\$0
	A. Structural Design Criteria.		2									2	\$374			\$374
	B. Develop foundation, slab and structural frame criteria.		2									2	\$374			\$374
	C. Develop structural systems and materials.		2									2	\$374			\$374
	D. Identify lateral resistance requirements.		4									4	\$748			\$748
												0	\$0			\$0
												0	\$0			\$0
	<b>04. BIM MODEL DEVELOPMENT</b>											0	\$0			\$0
	A. Temple, Underpinning, Bridge Abutment , Bridge Wingwalls				40							40	\$6,400			\$6,400
	B. Perform Clash Detecon and make adjustmens				24							24	\$3,840			\$3,840
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
<b>I.</b>	<b>Tasks</b>	<b>85</b>	<b>34</b>	<b>14</b>	<b>72</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205</b>	<b>\$40,528</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,528</b>



Task	Description	Senior Associate	Project Engineer	Administrative Assistant	Senior Technician							Tit. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost
		TJC	DKC	JS	MJE											
		WA	WI	WE	WI											
		\$250	\$187	\$100	\$160	\$0	\$0	\$0	\$0	\$0	\$0					
<b>Construction Documents Phase - Summary of Professional A/E Services</b>																
II.	Tasks	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours				
	<b>05. FOUNDATION UNDERPINNING DESIGN AND DOCUMENTATION</b>											0	\$0			\$0
	A. Evaluate options to determine design solution.	2		8								10	\$1,996			\$1,996
	B. Solution design for lateral earth pressure.			2								2	\$374			\$374
	C. Solution design for element and global sliding demand.			4								4	\$748			\$748
	D. Solution design for element and global overturning demand.			4								4	\$748			\$748
	E. Solution design for reinforcement.			2								2	\$374			\$374
	F. Solution design for doweling.			2								2	\$374			\$374
	G. Solution design for needle and pier.			16								16	\$2,992			\$2,992
	H. Solution design phasing stability.			16								16	\$2,992			\$2,992
	I. Solution plans.			2		40						42	\$6,774			\$6,774
	J. Solution specifications.			24	8							32	\$5,288			\$5,288
	K. Solution estimate of probable construction costs.			4								4	\$748			\$748
	L. Solution QA/QC.	4										4	\$1,000			\$1,000
												0	\$0			\$0
												0	\$0			\$0
	<b>06. HOLLOW SIDEWALK / OUTER SEAWALL DEMO DESIGN AND DOCS</b>											0	\$0			\$0
	A. Hollow Sidewalk selective demolition phasing plans.					8						8	\$1,280			\$1,280
	B. Hollow Sidewalk selective demolition details					16						16	\$2,560			\$2,560
	C. Outer Seawall selective demolition phasing plans					8						8	\$1,280			\$1,280
	D. Outer Seawall selective demolition details					16						16	\$2,560			\$2,560
	E. Selective demolition drain-tile, sump, and pump plans.					16						16	\$2,560			\$2,560
	F. Selective demolition specifications.			24	8							32	\$5,288			\$5,288
	G. Selective demolition estimate of probable construction costs.			4								4	\$748			\$748
	H. Selective demolition QA/QC.	4										4	\$1,000			\$1,000
												0	\$0			\$0
												0	\$0			\$0
	<b>07. STRONG-BACK BRACES DESIGN AND DOCUMENTATION</b>											0	\$0			\$0
	A. Strong-back brace design for torsional of existing facade beam			16								16	\$2,992			\$2,992
	B. Strong-back brace plans.				16							16	\$1,600			\$1,600
	C. Strong-back brace specifications.			16								16	\$2,992			\$2,992
	D. Strong-back brace estimate of probable construction costs.			4								4	\$748			\$748
	E. Strong-back brace QA/QC	4										4	\$1,000			\$1,000
												0	\$0			\$0
												0	\$0			\$0
	<b>08. PLAN REVIEW SUBMITTAL</b>											0	\$0			\$0
	A. Compile / submit plans, specifications, structural calculations to AHJ			8		4						12	\$2,136			\$2,136
	B. Incorporate Plan Review comments into Bid Documents.					16						16	\$2,560			\$2,560
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
<b>II.</b>	<b>Tasks</b>	<b>14</b>	<b>156</b>	<b>32</b>	<b>124</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>326</b>	<b>\$55,712</b>	<b>\$0</b>	<b>\$0</b>	<b>\$55,712</b>

Fee Breakdown

4667475-231187.01

Bidding

Task	Description											Ttt. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost	
<b>Bidding Phase - Summary of Professional A/E Services</b>																	
	<b>BASIC SERVICES</b>	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours					
I.	Tasks	37	52	10	12	0	0	0	0	0	0	0	111	\$21,894	\$0	\$0	\$21,894
II.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
III.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
IV.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
V.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VI.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VIII.	Mechanical	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
IX.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
X.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XI.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XIII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XIV.	Code	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XV.	Cost and Scheduling	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XVI.	TBD	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
	<b>Sub-Totals - Basic Services</b>	37	52	10	12	0	0	0	0	0	0	0	111	\$21,894	\$0	\$0	\$21,894
	<b>MATERIALS/SUPPLIES</b>														\$0	\$0	\$0
	<b>SOILS TESTING</b>														\$0	\$0	\$0
	<b>CONSULTANTS/SUBCONTRACTORS</b>														\$0	\$0	\$0
	<b>ESTIMATE OF TRAVEL EXPENSES</b>														\$0		\$0
	Air Travel		Trips	X		Cost per trip											
	Rental Vehicle		Days	X		Cost per day											
	Lodging		Nights	X		Cost per night											
	Meals (per diem)		Days	X		Cost per day											
	<b>MILEAGE</b>		Miles	X		Cost per mile									\$0		\$0
	<b>REPRODUCTION</b>		Sets	X		Cost per set									\$0		\$0
	<b>Sub-Totals - Basic Services Itemized Expenses</b>														\$0	\$0	\$0
	<b>SPECIAL SERVICES:</b>																\$0
																	\$0
																	\$0
	<b>Sub-Total - Special Services</b>														\$0	\$0	\$0

Fee Breakdown

4667475-231187.01

Bidding

Task	Description	Senior Associate	Project Engineer	Administrative Assistant	Senior Technician							Tit. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost
		TJC	DKC	JS	MJE											
		WA	WI	WE	WI	\$0	\$0	\$0	\$0	\$0	\$0					
<b>Bidding Phase - Summary of Professional A/E Services</b>																
I.	Tasks	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours				
	<b>01. PROJECT MANAGEMENT</b>											0	\$0			\$0
	A. Update project work plans and tasks.	4			2							6	\$1,200			\$1,200
	B. Update project work schedule.	4			2							6	\$1,200			\$1,200
	C. Monitor project invoicing and accounting.	4			2							6	\$1,200			\$1,200
	D. Manage project budget and resources.	4										4	\$1,000			\$1,000
	E. Internal team coordination meetings	4	4	4	4							16	\$2,788			\$2,788
	F. Owner Communications.	4	8									12	\$2,496			\$2,496
	G. Prepare addenda.	8										8	\$2,000			\$2,000
	H. Conduct Pre-Bid Meeting.	1										1	\$250			\$250
	I. Evaluate Bid proposals.		8									8	\$1,496			\$1,496
												0	\$0			\$0
	<b>02. BID PERIOD TECHNICAL ASSISTANCE</b>											0	\$0			\$0
	A. Respond to bidder questions.		8									8	\$1,496			\$1,496
	B. Prepare technical clarifications for addenda.		16		8							24	\$4,272			\$4,272
	C. Evaluate request for substitutions.	4	8									12	\$2,496			\$2,496
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
<b>I.</b>	<b>Tasks</b>	<b>37</b>	<b>52</b>	<b>10</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>111</b>	<b>\$21,894</b>	<b>\$0</b>	<b>\$0</b>	<b>\$21,894</b>

Task	Description											Ttt. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost	
<b>CA Phase - Summary of Professional A/E Services</b>																	
	<b>BASIC SERVICES</b>	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours					
I.	Tasks	117	181	26	17	0	0	0	0	0	0	0	341	\$68,417	\$0	\$0	\$68,417
II.	Tasks	33	168	7	72	0	0	0	0	0	0	0	280	\$51,886	\$0	\$0	\$51,886
III.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
IV.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
V.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VI.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
VIII.	Mechanical	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
IX.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
X.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XI.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XIII.	Tasks	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XIV.	Code	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XV.	Cost and Scheduling	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
XVI.	TBD	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
	<b>Sub-Totals - Basic Services</b>	<b>150</b>	<b>349</b>	<b>33</b>	<b>89</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>621</b>	<b>\$120,303</b>	<b>\$0</b>	<b>\$0</b>	<b>\$120,303</b>
	<b>MATERIALS/SUPPLIES</b>														\$0	\$0	\$0
	<b>SOILS TESTING</b>														\$0	\$0	\$0
	<b>CONSULTANTS/SUBCONTRACTORS</b>														\$0	\$0	\$0
	<b>ESTIMATE OF TRAVEL EXPENSES</b>															\$300	\$300
	Air Travel		Trips	X		Cost per trip											
	Rental Vehicle		Days	X		Cost per day											
	Lodging		Nights	X		Cost per night											
	Meals (per diem)	20	meals	X	15	Cost per meal											
	<b>MILEAGE</b>	2000	Miles	X	0.625	Cost per mile									\$1,250		\$1,250
	<b>REPRODUCTION</b>		Sets	X		Cost per set									\$0		\$0
	<b>Sub-Totals - Basic Services Itemized Expenses</b>														\$1,550	\$0	\$1,550
	<b>SPECIAL SERVICES:</b>																\$0
																	\$0
																	\$0
	<b>Sub-Total - Special Services</b>														\$0	\$0	\$0

Task	Description	Senior Associate	Project Engineer	Administrative Assistant	Senior Technician							Tit. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost
		TJC	DKC	JS	MJE											
		WA	WI	WE	WI	\$0	\$0	\$0	\$0	\$0	\$0					
<b>CA Phase - Summary of Professional A/E Services</b>																
<b>I.</b>	<b>Tasks</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>				
	<b>01. PROJECT MANAGEMENT AND COORDINATION (16 Weeks)</b>											0	\$0			\$0
	A. Update project work plans and tasks.	16		2								18	\$4,200			\$4,200
	B. Update project work schedule.	16		2								18	\$4,200			\$4,200
	C. Monitor project invoicing and accounting.	16		2								18	\$4,200			\$4,200
	D. Manage project budget and resources.	16										16	\$4,000			\$4,000
	E. Internal team coordination meetings (covered in Item 04)											0	\$0			\$0
	F. Owner Communications.	4	16									20	\$3,992			\$3,992
												0	\$0			\$0
												0	\$0			\$0
	<b>02. PRE-CONSTRUCTION MEETING</b>											0	\$0			\$0
	A. Attend one (1) pre-construction conference.											0	\$0			\$0
	1. 1 thus, 1-hour conference call by PM, S, AA, B	1	1	1	1							4	\$697			\$697
												0	\$0			\$0
												0	\$0			\$0
	<b>03. EXTERNAL MEETINGS AND COORDINATION - 4 MONTHS</b>											0	\$0			\$0
	A. Periodic site trips to observe work and attend progress meetings.											0	\$0			\$0
	1. 4 thus, 1-day, 8-hour trips by PM	32										32	\$8,000			\$8,000
	2. 16 thus, 1-day, 8-hour trips by S		128									128	\$23,936			\$23,936
												0	\$0			\$0
												0	\$0			\$0
	<b>04. INTERNAL MEETINGS AND COORDINATION - 4 MONTHS</b>											0	\$0			\$0
	A. Once per week staff construction submittals / change status debrief	16	16	16	16							64	\$11,152			\$11,152
	1. 16 thus, 1-hour meeting by PM, PA, S, B											0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
	<b>05. CONTRACTOR SUBMITTAL / SHOP DRAWING REVIEW &amp; PROCESSING</b>											0	\$0			\$0
	A. DIVISION 02 - EXISTING CONDITIONS											0	\$0			\$0
	1. 024113 Selective Site Demolition		4	0.5								4.5	\$798			\$798
	2. 024116 Structure Demolition		4	0.5								4.5	\$798			\$798
	3. 024119 Selective Demolition		4	0.5								4.5	\$798			\$798
												0	\$0			\$0
												0	\$0			\$0
	B. DIVISION 03 - CONCRETE SUBMITTALS											0	\$0			\$0
	1. 031000 Concrete Forming and Accessories		2	0.5								2.5	\$424			\$424
	2. 032000 Concrete Reinforcing		2	0.5								2.5	\$424			\$424
	3. 033000 Cast-in-Place Concrete		4	0.5								4.5	\$798			\$798
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
<b>I.</b>	<b>Tasks</b>	<b>117</b>	<b>181</b>	<b>26</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>341</b>	<b>\$68,417</b>	<b>\$0</b>	<b>\$0</b>	<b>\$68,417</b>

Task	Description	Senior Associate	Project Engineer	Administrative Assistant	Senior Technician							Tit. Hrs.	Direct Cost Labor	Expenses	Sub consultant	Total Cost
		TJC	DKC	JS	MJE											
		WA	WI	WE	WI											
		\$250	\$187	\$100	\$160	\$0	\$0	\$0	\$0	\$0	\$0					
<b>CA Phase - Summary of Professional A/E Services</b>																
<b>II.</b>	<b>Tasks</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>				
	C. DIVISION 05 - METALS											0	\$0			\$0
	1. 051200 Structural Steel Framing		4	0.5								4.5	\$798			\$798
	2. 055000 Metal Fabrications		2	0.5								2.5	\$424			\$424
												0	\$0			\$0
												0	\$0			\$0
	D. DIVISION 31 - EARTHWORK											0	\$0			\$0
	1. 311000 Site Clearing		2	0.5								2.5	\$424			\$424
	2. 312000 Earth Moving		4	0.5								4.5	\$798			\$798
	3. 312329 Dewatering		4	0.5								4.5	\$798			\$798
	4. 315000 Excavation Support and Protection		4	0.5								4.5	\$798			\$798
	5. 314100 Shoring		4	0.5								4.5	\$798			\$798
	6. 314800 Underpinning		8	0.5								8.5	\$1,546			\$1,546
												0	\$0			\$0
												0	\$0			\$0
	<b>06. PAY APPLICATION REVIEW - 4 MONTHS (16 WEEKS)</b>											0	\$0			\$0
	A. Review proposed Schedule of Values		4									4	\$1,000			\$1,000
	B. Review 4 partial pay requests at 2.0 hours per request		16									16	\$4,000			\$4,000
	C. Forward recommendations to Owner.		1									1	\$250			\$250
	D. Maintain log of contract payment status		2									2	\$500			\$500
												0	\$0			\$0
												0	\$0			\$0
	<b>07. COORDINATE CHANGES IN THE WORK - 4 MONTHS (16 WEEKS)</b>											0	\$0			\$0
	A. Respond to 16 Request for Information (RFI)		32	1								33	\$6,084			\$6,084
	B. Issue 8 Letters of Instruction (LOI)		16	1	16							33	\$5,652			\$5,652
	C. Issue 16 Request for Cost Proposals (RFCP)		32		16							48	\$8,544			\$8,544
	D. Review 16 Change Proposals (CP)		2	32								34	\$6,484			\$6,484
	E. Prepare 8 Change Orders (CO)		8									8	\$2,000			\$2,000
	F. Maintain log of RFI's, LOI's, RFCP's, CP's and CO's			1								1	\$100			\$100
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
	<b>08. CLOSE-OUT DOCUMENTS</b>											0	\$0			\$0
	A. Record Drawings to reflect changes and Contactor as-builts.				40							40	\$6,400			\$6,400
	B. Review O&M's provided by Contractor.		24									24	\$4,488			\$4,488
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
												0	\$0			\$0
<b>II.</b>	<b>Tasks</b>	<b>33</b>	<b>168</b>	<b>7</b>	<b>72</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280</b>	<b>\$51,886</b>	<b>\$0</b>	<b>\$0</b>	<b>\$51,886</b>