



ENGINEERING SERVICES CONTRACT

Project: CTH WD Reconditioning, Sauk County

This is an Engineering Services Contract (Contract) between the Sauk County Highway Department (Client) and Jewell Associates Engineers, Inc. (Jewell or Consultant). The Consultant will provide Engineering Services to the Client.

SCOPE OF SERVICES:

This contract is for design engineering services, including reconstruction of approximately 1.60 miles of reconditioning CTH WD starting at the intersection with CTH K in the Town of Winfield and going northerly, ending at the intersection of the D and W Road (the PROJECT). Per WISLR the existing typical section consists of 11' driving lanes with 4' shoulders (1' paved). It is anticipated that this project will receive supplemental funding through the Bureau of Indian Affairs (BIA).

The project will be divided into two sections:

Section 1: Reconstruction The limits of this improvement begin at the east side of the existing bridge located 300' east of the CTH K intersection and continue 0.6 miles east on CTH WD. The finished typical section will consist of 11' driving lanes with 4' shoulders (1' paved). Soil borings will be taken to obtain soils information and a WisPave analysis completed to determine the new pavement structure. The inclusion of subbase, geogrid, and/or pipe underdrain will be investigated due to the poor drainage and concerns over poor underlying soils throughout this entire area. The existing bridge (Bridge ID unknown) located on CTH WD approximately 315' east of the CTH K intersection over Hay Creek will remain. The existing guardrail at this existing structure to remain will be replaced in all four quadrants.

Section 2: Recondition The limits of this improvement include the first 300' of CTH WD beginning at the CTH K intersection continuing east to the existing bridge over Hay Creek (Bridge ID unknown) and CTH WD beginning 0.6 miles east of CTH K through the D and W Road intersection (L = 1.0 miles). This will include a cold-in-place recycling with a 3.5"-4" asphalt overlay. The geotechnical investigation will provide coring's/borings information for the design of the existing pavement structure (asphalt and base depths) present for the cold-in-place recycling activities proposed on this section of highway. A WisPave analysis will be completed to determine the depths of the proposed pavement structure. The sideroad intersections CTH WD/Skinner Road and CTH WD/D and W Road will be realigned (reconstructed) to improve the intersection sight distance and improve the safety at the intersection.

The project will investigate drainage ditching between CTH K through the Skinner Road intersection. The project will match the existing drainage from Skinner Road to the D and W

Road intersection. Culvert pipes will be replaced throughout the entire project corridor.

All work will be completed per the design standards of Sauk County, the WisDOT Facilities Development Manual (MANUAL), WisDOT Standards Specifications, the WisDOT Guide to Utility Coordination, and the AASHTO Standards Specifications for Highway and Structure Design.

The detailed Scope of Services is attached as Exhibit A, consisting of five (5) pages.

Services not set forth above and in Exhibit A are specifically excluded from the scope of the Consultant's services and the Consultant assumes no responsibility to provide such services unless an agreement for Additional Services is made and appended to this Contract.

SCHEDULE:

This Agreement is based upon the following anticipated schedule.

Start of Work	Upon Receipt of Signed Contract
Completion Date	The project will be bid out by February 1, 2026 for an anticipated construction in 2026.

Note that this schedule assumes Authorization to Proceed by April 15, 2025 and that permit approvals, delivery of documents by others, and WisDOT review, if necessary, will occur without any substantial delays. Any difficulties in the process may affect the schedule.

ADDRESS CONFIRMATION:

Client's Billing Address is:

Patrick Gavinski, Highway Commissioner
Sauk County Highway Department
P O Box 26
620 Linn Street
West Baraboo, WI 53913

The telephone number where the Client can be reached is (608) 963-7534, and the Client's e-mail address is patrick.gavinski@saukcountywi.gov.

BASIS OF PAYMENT:

1. For Road Plans, bid documents, coordination, reports, and meetings, a lump sum of \$92,541.63.
2. For Subsurface Investigations subcontracted to American Engineering Testing, Inc. (AET), the Consultant's actual cost not to exceed \$7,150.00 based on AET's estimated cost proposal.
3. For Archaeological and Architecture/History Surveys will be subcontracted to Chronicle Heritage, the Consultant's actual cost not to exceed \$9,250.00, based on Chronicle Heritage's estimated cost proposal.

4. For Wetland Delineation we will work directly with Department of Natural Resources to investigate wetland impacts. If the Department of Natural Resources requests a wetland delineation be performed, this service will be considered Extra Work.
5. Compensation for all services under this contract shall be for an amount not to exceed \$108,941.63. (See attached Exhibit B)
6. Client shall be responsible for the cost of any required government permit, review, and/or recording fees, as well as publication of the public information meeting notices. Such fees may be paid by Client directly or will be billed by Jewell as reimbursable expenses at cost.
7. Jewell Associates Engineers, Inc. shall submit invoices monthly for Services and payment is due within 30 days. If payment in full is not received within 45 days from due date, the invoice will be deemed past due and will bear interest at 1.5% of the past due amount per month.
8. If the Client fails to make payments, any collection costs the Consultant incurs shall become immediately due and payable to the Consultant. The costs include, but are not limited to, legal fees, collection agency fees, and court costs.

TERMINATION:

This contract may be terminated at any time upon seven (7) calendar days' written notice by either party should the other party fail to perform its obligations hereunder. In the event of termination for any reason whatsoever, the Client shall pay the Consultant for all services rendered to the date of termination, and all reimbursable expenses incurred prior to termination. Failure of Client to make payments when due shall be cause for suspension of services, or ultimately termination, unless and until Consultant has been paid in full all amounts due.

STANDARD OF CARE:

The standard of care for all professional services performed or furnished by the Consultant under this Contract will be the skill and care used by members of the Consultant's profession practicing under similar circumstances at the same time and in the same locality. The Consultant makes no warranties, express or implied, under this Contract or otherwise, in connection with Consultant's services.

INFORMATION PROVIDED BY OTHERS:

The Client shall furnish, at the Client's expense, all information, requirements, reports, data, surveys and instructions required by this Contract. The Consultant may use such information in performing its services and is entitled to rely upon the accuracy and completeness thereof.

TIMELINESS OF PERFORMANCE/DELAYS:

The Consultant will perform services under this Contract with reasonable diligence and expediency consistent with sound professional practices. The Client agrees that the Consultant is not responsible for damages arising directly or indirectly from any delays for causes beyond the Consultant's control. For purposes of this Contract, such causes include, but are not limited to,

strikes or other labor disputes; severe weather disruptions or other natural disasters; pandemics or endemics; failure of any government agency to act in a timely manner; failure of performance by the Client or the Client's contractors or consultants; or discovery of any hazardous substances or differing site conditions. If the delays resulting from any such causes increase the cost or time required by the Consultant to perform its services in an orderly and efficient manner, the Consultant shall be entitled to an equitable adjustment in schedule and/or compensation.

ATTORNEY'S FEES:

In the event of any litigation arising or related to this Contract or the services provided hereunder, the prevailing party shall be entitled to recover from the non-prevailing party all reasonable costs incurred, including staff time, court costs, attorney's fees, and all other related expenses in such litigation.

DISPUTE RESOLUTION:

Any claims or disputes between the Client and the Consultant arising out of the services to be provided by the Consultant or out of this Contract shall be submitted to nonbinding mediation unless the parties mutually agree otherwise. If mediation does not result in an agreement, either party may seek redress in the courts pursuant to the terms of this agreement.

OPINIONS OF COST:

Any opinions or estimates of probable construction cost prepared by the Consultant are based on the Consultant's professional judgment and experience. However, since the Consultant has no control over the cost of labor, materials, equipment or service furnished by others, over the contractor's methods of determining prices, or over competitive bidding or market conditions, the Consultant cannot and does not guaranty that proposals, bids, or actual construction cost will not vary from the Consultant's opinions or estimates of probable construction cost.

CLIENT

Patrick Gavinski, Commissioner
Sauk County Highway Department

Date: 3/14/2025

CONSULTANT



Ellery Schaffer, PE
Jewell Associates Engineers, Inc.

Date: 3/13/25

SCOPE OF SERVICES

A. DESIGN REPORTS

(1) Other Reports:

Prepare the following engineering reports/analyses as directed by the CLIENT:

- (a) Abbreviated Pavement Design Report

B. ENVIRONMENTAL DOCUMENTATION

Prepare a Categorical Exclusion Checklist (CEC) Environmental document for the PROJECT as specified in the MANUAL and Chapter TRANS 400, Wisconsin Administrative Code. Furnish the required number to the BIA for approval.

Prepare an environmental document that evaluates reasonable alternatives to the PROJECT and consider other reasonable actions or activities that may achieve the same or similar goals of the proposed highway PROJECT, including other or additional transportation alternatives and intermodal opportunities and the alternative of taking no action. Evaluate alternative courses of action based upon a balanced consideration of the environment, public comments, and the need for safe and efficient transportation consistent with local, state, and national environmental goals. Prepare environmental documents that are concise and emphasize significant environmental issues and plausible alternatives. Comply with requirements specified in the MANUAL and TRANS 400, Wisconsin Administrative Code. In the event of a conflict between the MANUAL and TRANS 400, Wisconsin Administrative Code, the administrative rule supersedes.

- (1) Environmental Assessments: Not Applicable
 - (2) Environmental Impact Statements: Not Applicable
 - (3) Agricultural Impact Notice: Not Applicable
 - (4) Section 4(f) Evaluation: Not Applicable
 - (5) Section 6(f) Evaluation: Not Applicable
 - (6) Historical and Archaeological Surveys and Studies:
 - (a) Identify the Area of Potential Effect for the PROJECT. Conduct a reconnaissance survey as specified in the MANUAL. Submit the results of the archaeological and historical reconnaissance and evaluation studies to the region project manager. Obtain recommendations from SHPO, the historian and the Project Manager regarding historical/architectural reconnaissance surveys. Obtain recommendations from the archaeologist,
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Bureau of Environment, and the Project Manager prior to conducting evaluation studies when further work is needed.

- (b) Prepare a report as required in the "Guidelines for Preparation of Formal Report on Archaeological Materials or Sites" in accordance with the MANUAL. Document the results of the reconnaissance survey for architecture/history using the "Architecture/History Survey Form".
- (7) Noise Analysis: Not Applicable
- (8) Air Quality: Not Applicable
- (9) Hazardous Materials/Contamination Assessments
 - (a) Prepare a Phase 1 Hazardous Materials Report Site Summary for the PROJECT in accordance with the MANUAL and submit along with the environmental document.
- (10) Wetland Investigations
 - (a) Identify wetland impacts in conjunction with the Department of Natural Resources (WDNR) and provide for compensation of wetland loss, if necessary, following the procedures in the MANUAL and the "Wisconsin Department of Transportation Wetland Mitigation Banking Technical Guidance dated March 2002."
 - (b) WDNR will determine wetlands along the project corridor.

C. AGENCY COORDINATION

- (1) Coordinate with WDNR. This work shall include initial and final coordination including preparation of a stormwater NOI permit (ground disturbance > 1 acre).
- (2) Coordinate with US Army Corps of Engineers. It is anticipated that the project will meet the conditions of a general permit.

D. RAILROAD/ UTILITY INVOLVEMENTS

- (1) Railroad Negotiations/Agreements

No Railroads are involved with this project.
- (2) Utility Coordination

Perform all utility coordination following the guidelines found in:

 - a) The WisDOT "Guide to Utility Coordination"

- b) The “Utility Coordination Task List for Design Consultant Contracts” as agreed upon.
- (3) The CLIENT will provide the CONSULTANT with a list of known utilities on the PROJECT and a list of contact personnel for utility coordination. This list is not warranted to be complete but is furnished to assist the CONSULTANT. Verify and update the list.
- (4) Confer on an ongoing basis with all utility facility owners in the project vicinity to establish mutual understanding on design features of the project affecting utility facilities and shall keep the CLIENT informed of all such coordination activities. Provide the CLIENT with plans and information that will allow it to meet its planned utility coordination schedule.

E. PUBLIC INVOLVEMENT

- (1) Public Involvement Meetings:
 - (a) Conduct or assist the CLIENT in holding one (1) public involvement meeting and explain to the public concepts and probable impacts of this PROJECT.
 - (b) Prepare all exhibits and supplementary handout material and provide the equipment necessary to conduct the public involvement meeting.
 - (c) Prepare a summary report after the public involvement meeting.
 - (d) Discuss with the CLIENT the comments received and recommend the possible disposition of these comments and suggestions after the public involvement meeting.
 - (e) Make all the necessary arrangements for scheduling the public involvement meeting and provide notices and press releases for the CLIENT’S use.
 - (f) Provide the CLIENT with copies of all public involvement correspondence and file notes.
 - (g) Coordinate meeting schedules with the CLIENT’S representative.

F. MEETINGS

- (1) A preliminary plan review meeting with the CLIENT shall be held at the CLIENT’S Office (or the CONSULTANT’S Office).
- (2) A final plan review meeting with the CLIENT shall be held at the CLIENT’S Office (or the CONSULTANT’S Office).
- (3) Attend the pre-construction conference as scheduled by the CLIENT.

G. SURVEYS

- (1) Full topographic survey of the existing project corridor.

H. SOILS AND SUBSURFACE INVESTIGATIONS

- (1) Determine boring locations and perform eight (8) borings, two (2) to a depth of 5', and six (6) to a depth of 2' to obtain existing asphalt depths/base depths/soils information. The design will use this information to design the necessary pavement structure for the reconstruction area as well as designing the pavement structure for the reconditioning area with use of cold-in-place recycling.

I. ROAD PLANS

The Roadway Plans shall include the following sheets:

- Title Sheet
- General Notes
- Project Overview
- Typical Section
- Construction Details
- Intersection Details
- Plan Details
- Erosion Control
- Permanent Signing
- Pavement Marking
- Traffic Control
- Alignment
- Miscellaneous Quantities
- Plan and Profile
- Earthwork Quantities
- Cross Sections (Cut every 100' throughout the project length)

J. PLATS

- (1) Preparation of R/W Plat will be considered EXTRA SERVICES.

K. PREPARATION OF BID DOCUMENTS

The CONSULTANT shall provide plans, specifications and estimates for use by the CLIENT to let the PROJECT as a whole or let sections of the PROJECT to best serve the CLIENT. The CONSULTANT will assist in review of bids and selection of a contractor to perform the work.

L. SERVICES PROVIDED BY THE MUNICIPALITY

The CLIENT shall provide to the CONSULTANT the following for the PROJECT:

1. As-built plans, as may be available.
2. Desired roadway pavement design/typical pavement structure.
3. Known utility names and contacts.
4. Existing traffic counts.
5. Meeting site for Public Involvement Meeting (PIM) and cost of publishing the PIM advertisement.
6. Traffic control for subsurface investigations.

M. PROSECUTION AND PROGRESS

- (1) The CONSULTANT proposes to sublet these services to
 - (a) Subsurface Investigations to American Engineering Testing, Inc.
 - (b) Archaeological and Architecture/History Investigations to Chronicle Heritage.
- (2) The following items of work will be completed and submitted to the CLIENT by the indicated dates if CONSULTANT has received the Notice to Proceed by April 15, 2025.

Report Title	Date
Survey	May 1, 2025
Order Arch/Hist Survey	May 15, 2025
Order Geotech	May 15, 2025
Preliminary Plans	July 1, 2025
Public Involvement Meeting	August 1, 2025
Environmental Document (CEC)	September 1, 2025
Final Plans	November 1, 2025
Bid Docs	January 1, 2026
LET Date	February 1, 2026
Construction Begin	Spring, 2026

Contract Support Documents

**CTH K - D and W Road
CTH WD Reconditioning
Sauk County**



560 Sunrise Drive
Spring Green, WI 53588
608-588-7484

CTH K - D and W Road
CTH WD Reconditioning
Sauk County

	\$191.05	\$161.42	\$122.93	\$99.56	\$144.82	\$107.85	Total Hours	Cost per Task
	Project Director	Design Specialist/ Professional	Design Engineer	Design Technician	Survey Specialist / Professional	Survey Technician		
	Ellery	Angie	Jonah	Chloe	Noah	Cody		

(1) PROJECT MANAGEMENT

1.1 Scope, Schedule and Change Management									
887	Manage Project Scope and Schedule	13	0	0	0	0	0	13	
887.2	Update and track project progress/percent complete	2						2	\$2,483.65
887.3	Prepare/attend scope & schedule mtgs/conf calls (Assumed Virtual)	1						1	\$382.10
887.5	Prepare/attend preliminary plan review meeting	4						4	\$191.05
887.6	Prepare/attend final plan review meeting	4						4	\$764.20
887.7	Prepare/attend preconstruction meeting (teleconference)	2						2	\$764.20
									\$382.10
1.2 Budget, Cost, Procurement and Resource Management									
888	Manage Project Delivery	2	0	0	0	0	0	2	\$382.10
888.1	Develop and manage project human resources(Subconsultants)	2						2	\$382.10
889	Manage Project Non-Delivery Cost	4		4	0	0	0	8	\$1,255.92
889.4	Preliminary Cost Estimate	4		4				8	\$1,255.92
1.3 Quality and Risk Management									
890	Manage Project Quality	32		0	0	0	0	32	\$6,113.60
890.2.1	Review Preliminary Plan	16						16	\$3,056.80
890.2.2	Review Final Plan	16						16	\$3,056.80
1.4 Communication and Stakeholder Management									
743	Manage Project Stakeholders	10	0	0	12	0	0	22	\$3,105.22
743.1	Respond to inquiries (public, government, media)	2						2	\$382.10
743.5.1	PIM - Develop and maintain contact mailing list (email/address)				1			1	\$99.56
743.5.2	PIM - Plan meeting and meeting arrangements	1						1	\$191.05
743.5.3	PIM - Prepare/print/mail/email meeting invites				2			2	\$199.12
743.5.4	PIM - Prepare news release				1			1	\$99.56
743.5.5	PIM - Prepare/review/revise meeting materials (handouts, exhibits, presentation)	1			4			5	\$589.29
743.5.6	PIM - Attend PIM	4			4			8	\$1,162.44
743.5.7	PIM - Prepare/review PIM meeting minutes or summary	2						2	\$382.10

(2) PRELIMINARY AND FINAL DESIGN

2.1 Pavement and Soils Design									
277	Design Pavement Structure	2	0	0	4	0	0	6	\$780.34
277.4	Perform pavement structural calculations/evaluations	1			2			3	\$390.17
277.6	Prepare draft and final pavement design report	1			2			3	\$390.17
2.2 Engineering and Plan Development									
778	Design Drainage	1	0	5	10	0	0	16	\$1,801.30
778.9	Analyze hydraulics and design culvert pipes	1		4	8			13	\$1,479.25
778.10	Analyze hydraulics and design ditches			1	2			3	\$322.05
768	Design Erosion Control and Landscaping	4	0	0	20	0	0	24	\$2,755.40
768.2	Determine temporary erosion control features	2			7			9	\$1,079.02
768.3	Determine permanent erosion control features	2			7			9	\$1,079.02
768.4	Erosion control plan preparation				6			6	\$597.36

		\$191.05	\$161.42	\$122.93	\$99.56	\$144.82	\$107.85		
		Project Director	Design Specialist/ Professional	Design Engineer	Design Technician	Survey Specialist / Professional	Survey Technician	Total Hours	Cost per Task
		Elery	Angie	Jonah	Chloe	Noah	Cody		
776	Design Geometrics and Details	55	0	51	243	0	0	349	\$40,970.26
776.1	Determine and document design criteria (Design Kickoff Meeting)	1		1	1			3	\$413.54
776.2	Analyze existing geometrics			1	2			3	\$322.05
776.3	Develop preliminary horizontal alignments	1		2	4			7	\$835.15
776.4	Develop preliminary vertical alignments	1		1	2			4	\$513.10
776.5	Develop preliminary intersection design	1		2	8			11	\$1,233.39
776.14	Beamguard calculations and geometrics	1		2	8			11	\$1,233.39
776.18	Develop final horizontal alignments			1	3			4	\$421.61
776.19	Develop final vertical alignments				1			1	\$99.56
776.20	Develop final intersection plan / entrances			1	2			3	\$322.05
776.23	Refine and finalize surface models			6	6			12	\$1,334.94
	Plan Preparation								
776.25.1	Title sheet				2			2	\$199.12
776.25.2	General notes				4			4	\$398.24
776.25.3	Project overview				4			4	\$398.24
776.25.4	Typical sections	4		2	16			22	\$2,603.02
776.25.5	Construction details	8		8	24			40	\$4,901.28
776.25.8	Driveway details	1		2	4			7	\$835.15
776.25.11	Intersection details	1		2	8			11	\$1,233.39
776.25.14	Alignment diagram	1		2	4			7	\$835.15
776.25.15	Superelevation table	3			8			11	\$1,369.63
776.25.17	Plan and Profile - mainline	12		6	40			58	\$7,012.58
776.25.18	Plan and Profile - Intersections	4		2	12			18	\$2,204.78
776.25.19	Cross sections (Includes Guardrail Cross Sections)	12		8	70			90	\$10,245.24
776.25.20	Cross sections (Sideroad Intersection)	4		2	10			16	\$2,005.66
786	Develop Quantities and Estimates	18	0	0	20	0	0	38	\$5,430.10
786.1	Calculate/estimate quantities	16			16			32	\$4,649.76
786.2	Calculate earthwork and develop summary tables	2			4			6	\$780.34
856	Develop PSE Documents	2	23	0	15	0	0	40	\$5,588.16
856.1	Develop special provisions		8		4			12	\$1,689.60
856.2	Develop construction time chart		1		3			4	\$460.10
856.3	Complete Bid Docs		8		8			16	\$2,087.84
856.4	News Release to Local Paper	2						2	\$322.84
856.5	Bid Opening via Quest & Misc Coordination to Obtain Signed Contracts (County/Contractor)	2	4					6	\$1,027.78
2.3	Data, Survey, and Mapping								
666	Establish Project Control	0	0	0	0	0	3	3	\$323.55
666.1.1	Set project control						2	2	\$215.70
666.1.2	Set project benchmarks						1	1	\$107.85
723	Conduct and Process Existing Field Survey	0	0	0	0	7	57	64	\$7,161.19
723.4	Existing surface and topographic survey - including travel to/from project (X hrs round trip)						35	35	\$3,774.75
723.6	Call diggers hotline (Call in twice due to utility unresponsiveness)					2		2	\$289.64
723.9	Photographs						1	1	\$107.85
723.10	Meet with utility locator in field (additional trip to survey unmarked utilities from initial survey)						8	8	\$862.80
723.12	Field survey existing utilities						8	8	\$862.80
723.14	Process survey data and create existing surface					5		5	\$724.10
723.15	Field notes						1	1	\$107.85
723.16	Measure/map existing drainage features						4	4	\$431.40
2.4	Environmental and Cultural Impact								
765	Analyze Hazardous Materials Site Impact	0	1	0	4	0	0	5	\$559.66
765.1.1	Phase I - Data collection and review (Site Summary only)		1		4			5	\$559.66
766	Analyze Natural Environment Impact	0	0	0	3	0	0	3	\$298.68
766.1.1	Coordinate with WDNR on wetland determination				1			1	\$99.56
766.1.2	Determine and quantify wetland and waterway impacts				2			2	\$199.12
769	Environmental Documentation and Agency Coordination	3	16	0	45	0	0	64	\$7,636.07
769.1.1	WDNR - General Coordination and Assessment (Includes Stormwater NOI Permit)	2	4		20			26	\$3,018.98
769.1.3	Bureau of Indian Affairs - Native American Tribes		1		2			3	\$360.54
769.1.4	BOA		1		2			3	\$360.54
769.1.6	FAA				1			1	\$99.56
769.1.7	USACE	1	2		4			7	\$912.13

		\$191.05	\$161.42	\$122.93	\$99.56	\$144.82	\$107.85			
		Project Director	Design Specialist/ Professional	Design Engineer	Design Technician	Survey Specialist / Professional	Survey Technician	Total Hours	Cost per Task	
		Ellery	Angie	Jonah	Chloe	Noah	Cody			
769.4	Categorical Exclusion Checklist (CEC)		8		16			24	\$2,884.32	
2.6 Traffic Operations										
313	Analyze Traffic Data/Forecast		0	0	0	1	0	0	1	\$99.56
313.2	Process crash data - analyze crash trends (per road segment)					1			1	\$99.56
788	Develop/Coordinate/Review Transportation Management Plan (Type 1,2,3,4)		2	0	0	8	0	0	10	\$1,178.58
788.4	Traffic control Staging Plan (CTH K/CTH WD Intersection) - Upgrade to Type C		2			8			10	\$1,178.58
819	Design Signing and Pavement Marking				5	14	0	0	19	\$2,008.49
819.2.3	Develop permanent sign plans				4	12			16	\$1,686.44
819.3	Develop pavement marking plan details				1	2			3	\$322.05
746	Coordinate Utilities		0	10	0	10	0	0	20	\$2,609.80
746.2	Initial Utility Coordination					2			2	\$721.08
746.3	Final Utility Coordination			8		6			14	\$1,888.72
Labor Hour Totals		148	50	65	409	7	60	739	\$92,541.63	
Labor Dollars Totals		\$28,275.40	\$8,071.00	\$7,990.45	\$40,720.04	\$1,013.74	\$6,471.00	\$92,541.63		
								Project Hours	739	
								Project Hours Check	739	

		\$191.05	\$161.42	\$122.93	\$99.56	\$144.82	\$107.85		
		Project Director	Design Specialist/ Professional	Design Engineer	Design Technician	Survey Specialist / Professional	Survey Technician	Total Hours	Cost per Task
(1) PROJECT MANAGEMENT									
1.1 Scope, Schedule and Change Management									
887	Manage Project Scope and Schedule	13	0	0	0	0	0	13	\$2,483.65
1.2 Budget, Cost, Procurement and Resource Management									
888	Manage Project Delivery	2	0	0	0	0	0	2	\$382.10
889	Manage Project Non-Delivery Cost	4	0	4	0	0	0	8	\$1,255.92
1.3 Quality and Risk Management									
890	Manage Project Quality	32	0	0	0	0	0	32	\$6,113.60
1.4 Communication and Stakeholder Management									
743	Manage Project Stakeholders	10	0	0	12	0	0	22	\$3,105.22
(2) PRELIMINARY AND FINAL DESIGN									
2.1 Pavement and Soils Design									
277	Design Pavement Structure	2	0	0	4	0	0	6	\$780.34
2.2 Engineering and Plan Development									
778	Design Drainage	1	0	5	10	0	0	16	\$1,801.30
768	Design Erosion Control and Landscaping	4	0	0	20	0	0	24	\$2,755.40
776	Design Geometrics and Details	55	0	51	243	0	0	349	\$40,970.26
786	Develop Quantities and Estimates	18	0	0	20	0	0	38	\$5,430.10
856	Develop PSE Documents	2	23	0	15	0	0	40	\$5,588.16
2.3 Data, Survey, and Mapping									
666	Establish Project Control	0	0	0	0	0	3	3	\$323.55
723	Conduct and Process Existing Field Survey	0	0	0	0	7	57	64	\$7,161.19
2.4 Environmental and Cultural Impact									
765	Analyze Hazardous Materials Site Impact	0	1	0	4	0	0	5	\$559.66
766	Analyze Natural Environment Impact	0	0	0	3	0	0	3	\$298.68
769	Environmental Documentation and Agency Coordination	3	16	0	45	0	0	64	\$7,636.07
2.6 Traffic Operations									
313	Analyze Traffic Data/Forecast	0	0	0	1	0	0	1	\$99.56
788	Develop Traffic Control and Staging	2	0	0	8	0	0	10	\$1,178.58
819	Design Signing and Pavement Marking	0	0	5	14	0	0	19	\$2,008.49
746	Coordinate Utilities	0	10	0	10	0	0	20	\$2,609.80
	Labor Hour Totals	148	50	65	409	7	60	739	\$92,541.63
	Labor Dollars Totals	\$28,275.40	\$8,071.00	\$7,990.45	\$40,720.04	\$1,013.74	\$6,471.00	\$92,541.63	
					Project Hours			739	
					Project Hours Check			739	

**CTH K - D and W Road
CTH WD Reconditioning
Sauk County**

Schedule of Subcontractors

Schedule of Subcontractors			
Work Element	Name of Subcontractor	Method of Payment	Subcontract Amount
Subsurface Investigations	American Engineering Testing, Inc.	Lump Sum	\$ 7,150.00
Archaeological and Architecture/History Investigations	Chronicle (Commonwealth Heritage Group, LLC)	Lump Sum	\$ 9,250.00
Total			\$ 16,400.00

CONSULTANT CONTRACT DETAIL FEE COMPUTATION

EXHIBIT 1 - CONSULTANT DIRECT LABOR RATES

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Name	Classification	Current Rate	Pay Increase Percent (1)	Pay Increase Amount (1)	Date of Increase (1)	% Work Current Rate	% Work Increased Rate (1)	Weighted Average Rate
		<i>thru 09/25</i>		<i>10/25-09/26</i>		<i>thru 09/25</i>	<i>10/25-09/26</i>	
Ellery Schaffer	Project Director	\$189.73	3.50%	\$196.37	10/1/2025	80.00%	20.00%	\$ 191.05
Angie Clary	Design Specialist/Professional	\$160.30	3.50%	\$165.91	10/1/2025	80.00%	20.00%	\$ 161.42
Jonah Drake	Design Engineer	\$122.08	3.50%	\$126.35	10/1/2025	80.00%	20.00%	\$ 122.93
Chloe Diehl	Design Technician	\$98.87	3.50%	\$102.33	10/1/2025	80.00%	20.00%	\$ 99.56
Noah Anliker	Survey Specialist/Professional	\$143.81	3.50%	\$148.84	10/1/2025	80.00%	20.00%	\$ 144.82
Cody Stencil	Survey Technician	\$107.10	3.50%	\$110.85	10/1/2025	80.00%	20.00%	\$ 107.85

Contract Completion Date: May 31, 2027

**CTH K - D and W Road
CTH WD Reconditioning
Sauk County**

Direct Expenses by Item				
Item	Unit Amount	Unit Type	Rate	Total Expense
Vehicle: Company Owned/Leased (mileage) (5 roundtrips from Spring Green to project site) <i>Initial survey</i>	350	miles	\$0.70	\$245.00
Vehicle: Company Owned/Leased (mileage) (1 roundtrip from Spring Green to PIM)	70	miles	\$0.70	\$49.00
Total Expenses				\$294.00

SUMMARY OF STAFF HOURS AND DIRECT LABOR COSTS

**CTH K - D and W Road
CTH WD Reconditioning
Sauk County**

CLASS	Activity Code	Project Director		Design Specialist/ Professional		Design Engineer		Design Technician		Survey Specialist / Professional		Survey Technician		Total Direct Labor	
		\$ 191.05		\$ 161.42		\$ 122.93		\$ 99.56		\$ 144.82		\$ 107.85			
		Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
Manage Project Scope and Schedule	887	13	\$2,483.65	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	13	\$2,483.65
Manage Project Delivery	888	2	\$382.10	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$382.10
Manage Project Non-Delivery Cost	889	4	\$764.20	0	\$0.00	4	\$491.72	0	\$0.00	0	\$0.00	0	\$0.00	8	\$1,255.92
Manage Project Quality	890	32	\$6,113.60	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	32	\$6,113.60
Manage Project Stakeholders	743	10	\$1,910.50	0	\$0.00	0	\$0.00	12	\$1,194.72	0	\$0.00	0	\$0.00	22	\$3,105.22
Design Pavement Structure	277	2	\$382.10	0	\$0.00	0	\$0.00	4	\$398.24	0	\$0.00	0	\$0.00	6	\$780.34
Design Drainage	778	1	\$191.05	0	\$0.00	5	\$614.65	10	\$995.60	0	\$0.00	0	\$0.00	16	\$1,801.30
Design Erosion Control and Landscaping	768	4	\$764.20	0	\$0.00	0	\$0.00	20	\$1,991.20	0	\$0.00	0	\$0.00	24	\$2,755.40
Design Geometrics and Details	776	55	\$10,507.75	0	\$0.00	51	\$6,269.43	243	\$24,193.08	0	\$0.00	0	\$0.00	349	\$40,970.26
Develop Quantities and Estimates	786	18	\$3,438.90	0	\$0.00	0	\$0.00	20	\$1,991.20	0	\$0.00	0	\$0.00	38	\$5,430.10
Develop PSE Documents	856	2	\$382.10	23	\$3,712.66	0	\$0.00	15	\$1,493.40	0	\$0.00	0	\$0.00	40	\$5,588.16
Establish Project Control	666	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	3	\$323.55	3	\$323.55
Conduct and Process Existing Field Survey	723	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	7	\$1,013.74	57	\$6,147.45	64	\$7,161.19
Analyze Hazardous Materials Site Impact	765	0	\$0.00	1	\$161.42	0	\$0.00	4	\$398.24	0	\$0.00	0	\$0.00	5	\$559.66
Analyze Natural Environment Impact	766	0	\$0.00	0	\$0.00	0	\$0.00	3	\$298.68	0	\$0.00	0	\$0.00	3	\$298.68
Environmental Documentation and Agency Coordination	769	3	\$573.15	16	\$2,582.72	0	\$0.00	45	\$4,480.20	0	\$0.00	0	\$0.00	64	\$7,636.07
Analyze Traffic Data/Forecast	313	0	\$0.00	0	\$0.00	0	\$0.00	1	\$99.56	0	\$0.00	0	\$0.00	1	\$99.56
Develop Traffic Control and Staging	788	2	\$382.10	0	\$0.00	0	\$0.00	8	\$796.48	0	\$0.00	0	\$0.00	10	\$1,178.58
Design Signing and Pavement Marking	819	0	\$0.00	0	\$0.00	5	\$614.65	14	\$1,393.84	0	\$0.00	0	\$0.00	19	\$2,008.49
Coordinate Utilities	746	0	\$0.00	10	\$1,614.20	0	\$0.00	10	\$995.60	0	\$0.00	0	\$0.00	20	\$2,609.80
Totals		148	\$28,275.40	50	\$8,071.00	65	\$7,990.45	409	\$40,720.04	7	\$1,013.74	60	\$6,471.00	739	\$92,541.63

Hours Check 739
Total Direct Labor Check \$92,541.63

\$92,541.63

**DESIGN ENGINEERING
FEE COMPUTATION SUMMARY BY ENGINEERING TASK**

**CTH K - D and W Road
CTH WD Reconditioning
Sauk County**

Task	Activity Code	Labor Costs	Non-Labor Direct Exp.	Total
Manage Project Scope and Schedule	887	\$2,483.65	\$0.00	\$2,483.65
Manage Project Delivery	888	\$382.10	\$0.00	\$382.10
Manage Project Non-Delivery Cost	889	\$1,255.92	\$0.00	\$1,255.92
Manage Project Quality	890	\$6,113.60	\$0.00	\$6,113.60
Manage Project Stakeholders	743	\$3,105.22	\$0.00	\$3,105.22
Design Pavement Structure	277	\$780.34	\$0.00	\$780.34
Design Drainage	778	\$1,801.30	\$0.00	\$1,801.30
Design Erosion Control and Landscaping	768	\$2,755.40	\$0.00	\$2,755.40
Design Geometrics and Details	776	\$40,970.26	\$0.00	\$40,970.26
Develop Quantities and Estimates	786	\$5,430.10	\$0.00	\$5,430.10
Develop PSE Documents	856	\$5,588.16	\$0.00	\$5,588.16
Establish Project Control	666	\$323.55	\$0.00	\$323.55
Conduct and Process Existing Field Survey	723	\$7,161.19	\$0.00	\$7,161.19
Analyze Hazardous Materials Site Impact	765	\$559.66	\$0.00	\$559.66
Analyze Natural Environment Impact	766	\$298.68	\$0.00	\$298.68
Environmental Documentation and Agency Coordination	769	\$7,636.07	\$0.00	\$7,636.07
Analyze Traffic Data/Forecast	313	\$99.56	\$0.00	\$99.56
Develop Traffic Control and Staging	788	\$1,178.58	\$0.00	\$1,178.58
Design Signing and Pavement Marking	819	\$2,008.49	\$0.00	\$2,008.49
Coordinate Utilities	746	\$2,609.80	\$0.00	\$2,609.80
Non-Labor Direct Expenses		\$0.00	\$294.00	\$294.00
Total Contract Cost		\$92,541.63	\$294.00	\$92,835.63

CTH K - D and W Road
 CTH WD Reconditioning
 Sauk County

CONSULTANT CONTRACT SUMMARY FEE COMPUTATION

	Original Contract			Total Contract
Number of Staff Hours	739			739
Total Jewell Labor	\$ 92,541.63			\$ 92,541.63
Jewell Non-Labor Direct Charges	\$ 294.00			\$ 294.00
Jewell Contract Sub-Total	\$ 92,835.63			\$ 92,835.63
American Engineering Testing, Inc. <i>Subsurface Investigations</i>	\$ 7,150.00			\$ 7,150.00
Chronicle (Commonwealth Heritage Group, LLC) <i>Archaeological and Architecture/History Investigations</i>	\$ 9,250.00			\$ 9,250.00
Subcontract Total	\$ 16,400.00			\$ 16,400.00
Contract Total	\$ 109,235.63			\$ 109,235.63

Schaffer, Ellery

From: Lund, Neil <nlund@teamAET.com>
Sent: Monday, March 10, 2025 4:20 PM
To: Schaffer, Ellery
Cc: Anderson, Michael; Mattson, Benjamin
Subject: RE: CTH WD (Sauk County) - Request for Geotechnical Services (Non-WisDOT Project)

Good afternoon,

Please see the scope and fee below; we can provide additional detail when you need it.

- Arranging to clear utilities for the corridor through Diggers Hotline and GPS staking of drilled/cored locations
- Mobilization with a truck-mounted drill rig and pavement coring equipment
- Performing two (2) SPT borings to a nominal 5 feet in the reconstruction segment
- In the rehabilitation segment, extracting 6-inch diameter pavement cores and performing borings to a nominal 2 feet using the truck-mounted setup
- Backfill of core/boreholes and surface patching
- Soil classification and limited lab testing including moisture content, one (1) organic content, two (2) passing #200 sieve tests
- Reporting including a discussion of the work performed and our recommendations for subbase or subcutting based on the borings in the reconstruction segment, plus a discussion of the suitability of cold in-place recycling (CIR) based on core thickness and condition, along with general CIR recommendations. The report will also include a sketch of exploration locations, soil boring logs, and core photos.

Estimated fee of \$7,150

Please let me know if there's anything else we can provide for now. Thanks!

Neil G. Lund, PE*

Principal Engineer

American Engineering Testing, Inc.

Cell: 612.369.3163

*Licensed in AL, AR, AZ, CO, IL, KS, MN, OH, TX

From: Schaffer, Ellery <Ellery.Schaffer@JewellAssoc.com>
Sent: Monday, March 10, 2025 09:54
To: Lund, Neil <nlund@teamAET.com>
Cc: Anderson, Michael <manderson@teamAET.com>; Mattson, Benjamin <bmattson@teamAET.com>
Subject: RE: CTH WD (Sauk County) - Request for Geotechnical Services (Non-WisDOT Project)

That sounds great! Thanks Neil!

From: Lund, Neil <nlund@teamAET.com>
Sent: Monday, March 10, 2025 9:43 AM
To: Schaffer, Ellery <Ellery.Schaffer@JewellAssoc.com>
Cc: Anderson, Michael <manderson@teamAET.com>; Mattson, Benjamin <bmattson@teamAET.com>
Subject: RE: CTH WD (Sauk County) - Request for Geotechnical Services (Non-WisDOT Project)

Ellery,



This proposal contains pricing and other information confidential and proprietary to Commonwealth Heritage Group, LLC dba Chronicle Heritage. Disclosure of this proposal's contents to persons or organizations outside of Jewell Associates. is not authorized without specific written permission of Commonwealth Heritage Group, LLC. All technical specifications and costs in this proposal are valid for 90 days.

Date: March 6, 2025 25-PC-05594 / W-2976

To: Ellery Schaffer
Jewell Associates

From: Rhiannon Jones, M.A.

Proposal – Archaeological and Architecture/History Investigations
CTH WD
CTH K to D and W Road
Sauk County, Wisconsin

Chronicle Heritage (Chronicle) is pleased to present the following proposal to Jewell Associates (Jewell) for cultural resources services for the subject reconstruction and reconditioning project in Sauk County. It is our understanding that archaeological and architecture/history investigations are needed pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations. The project will involve reconstructing 0.5 miles and reconditioning 1.1 miles of CTH WD north of Reedsburg, Wisconsin.

ARCHAEOLOGICAL INVESTIGATIONS

Area of Potential Effects

Based on the information provided to Chronicle on February 28, 2025, it is our understanding that the Area of Potential Effects (APE) for archaeology will be defined as extending 50 feet off the existing road centerline of CTH WD between CTH K and D and W Road, as well as up to 50 feet off the existing centerlines of 300–500 foot long sections of CTH K, Skinner Road, and D and W Road where these roads intersect with CTH WD. This will encompass all areas of potential ground disturbance associated with project construction.

Archaeological Survey

Chronicle will complete a Phase I archaeological survey of the APE. The survey will include a records review using the Wisconsin Historic Preservation Database (WHPD) to identify previously documented cultural resources located within the project area, to identify any cultural resource investigations that have previously taken place, and to provide information on the expected types and location parameters of cultural resources within the APE and a surrounding one-mile radius. To supplement the site file data, Chronicle will conduct a review of readily available online historic mapping (both plat maps and USGS maps) and modern aerial, NWI, and county soils mapping of the APE. The survey will satisfy the requirements of the Wisconsin State Historic Preservation Office (SHPO) and Section 106 and also will adhere to the *Guidelines for Public Archeology in Wisconsin* (2024) and WisDOT's *Guide to Transportation Archaeology* (2024).

Survey will be conducted employing standard archaeological techniques and may include both shovel testing and pedestrian (walkover) survey, as well as documentation of disturbed areas. Pedestrian survey will involve walking in 5-meter intervals in areas with ground surface visibility greater than 30 percent. In areas which are not paved, inundated, steeply sloped, or visibly disturbed and do not have good surface visibility, systematic shovel testing will be required and consist minimally of 35-centimeter diameter holes excavated at least 10 centimeters into sterile subsoil. Where needed, shovel tests will be excavated at 15-meter intervals. Excavated soils will be screened through ¼-inch wire mesh and examined for evidence of cultural materials. No more than 4 shovel tests will be needed.

Profiles will be described for each shovel test. Notes will be recorded concerning the soil stratigraphy (including Munsell color designations and texture) and any artifacts encountered. All shovel tests will be assigned a unique designation that will be mapped within the APE prior to the field survey and then documented during the field survey with sub-meter accurate geographic positioning system (GPS) equipment. If cultural material is encountered, additional radial shovel tests will be placed at 5-meter intervals as needed to define the horizontal extent of the cultural material. During fieldwork, standard forms will be completed by the field crew. Archaeological sites and positive finds within shovel tests will be noted on the forms. Artifacts will be bagged and assigned numbers by their locations. Photographs will be taken of the general project area.

It is assumed that Jewell will be responsible for notifying landowners of the project where survey may need to be conducted outside of the existing right-of-way. Fieldwork will commence a minimum of seven days after landowner notification letters have been mailed. It is also assumed Jewell will provide preliminary design plans and/or files prior to commencement of the survey to facilitate Chronicle's delineation of the APE and use of GPS equipment during fieldwork.

Report Preparation

Chronicle assumes no new archaeological sites will be found. The results of the survey will therefore be documented in an Archaeological Survey Field Report (ASFR) and Archaeological Records and Literature Review form in lieu of a formal report. Should a new site be found, a formal Phase I survey report will be required to fully document the site and provide sufficient information to make a preliminary evaluation regarding National Register of Historic Places (National Register) eligibility. The preparation of a formal Phase I survey report and Determination of Eligibility (DOE) for any identified archaeological sites are not included in this proposal.

ARCHITECTURE/HISTORY INVESTIGATIONS

Area of Potential Effects

Commonwealth assumes the APE for architecture/history will be defined to include properties adjacent to CTH WD, CTH K, Skinner Road, and D and W Road within the project limits.

Architecture/History Survey

Commonwealth will conduct background and archival research and review the WHPD to determine if any properties in the APE were previously surveyed. Commonwealth will then complete an architecture/history survey of the APE in accordance with the Wisconsin Historical Society's Survey Manual. We will identify, photograph, and assess the National Register of Historic Places (National Register) eligibility of individual buildings, structures, and objects, as well as any districts that are present. Additional photographs depicting streetscapes and viewsheds will be provided as needed to document the APE.

Commonwealth assumes the following for the architecture/history survey:

- Up to 2 properties will require survey.
- No properties will be found with potential significance.
- The results of the survey will be documented in an Architecture/History Survey Report (AHSR), as required by WisDOT and the SHPO.

Report Preparation

The results of the architecture/history survey will be documented in an Architecture/History Survey Report (AHSR), as required by WisDOT and the SHPO.

SCHEDULE

Chronicle assumes the archaeological survey and associated reporting will be completed in 2025.

COST

Based on our assumptions, Chronicle proposes to complete archaeological and architecture/history investigations and associated reporting (ASFR) for the CTH WD project in Sauk County for a cost not to exceed **\$9,250.00**.

Chronicle appreciates the opportunity to submit this proposal. Please do not hesitate to contact me at 612.246.0509 or rjones@chronicleheritage.com should you have questions or concerns regarding the proposed scope of work.

Sincerely,



Rhiannon Jones, M.A., RPA