

TOWN OF HEBRON
CAPITAL IMPROVEMENT PROGRAM
FY 2023-2024
TOWN MANAGER PROPOSED
MARCH 1, 2023
Projects Listed by Priority

Priority	Project	Amount
1	Road Resurfacing and Road Improvements	\$ 320,930
2	Engineering/Design Public Works Facility	\$ 245,000
3	Replace Truck 52 (2007)	\$ 226,956
4	Replace Rescue 110 w/ Rescue Pumper - First Year Funding	\$ 100,000
5	Jones Street Culvert Replacement	\$ 55,000
	Total Recommended CIP Budget	\$ 947,886

**FY 2023-2024
CIP Budget Revenue
Town Manager Proposed March 1, 2023**

	<u>Approved 2022-2023</u>	<u>Proposed 2023-2024</u>
Balance from Previous Appropriations	\$ 4,452	\$ 27,896
LOCIP Funding	\$ 70,751	\$ 68,830
Funding from Other Sources: Public Safety Fund	\$ 11,400	\$ 11,400
Interest	\$ 1,000	\$ 1,000
General Fund Contribution	<u>\$ 587,485</u>	<u>\$ 838,760</u>
Total Revenues	<u>\$ 675,088</u>	<u>\$ 947,886</u>

Completed Project Balances

Large Dump Truck 20-21	2,646
Mini Excavator 21-22	750
2005 Kenworth Roll Off Sold	<u>24,500</u>
	<u>27,896</u>

**CAPITAL IMPROVEMENT PROGRAM
FIVE YEAR PLAN**

	Total Request	Approved Appropriation	23-24 Town Manager Rec	23-24 Department Request	24-25	25-26	26-27	27-28	28-29
Town Wide Roads									
Road Resurfacing and Road Improvements	On Going	On Going	320,930	766,723	330,558	340,475	350,689	361,210	372,046
Town Wide Roads Sub Total			320,930	766,723	330,558	340,475	350,689	361,210	372,046
Public Works									
Bridge Replacement - Old Colchester Road	544,700			200,000	114,900	114,900	114,900		
Replace Truck 52 (2007)	226,956		226,956	226,956					
Street Sweeper (1999)	240,000			97,850	120,000	120,000			
Jones Street Culvert Replacement	94,761		55,000	94,761	39,761				
New Public Works Roof - OCR	95,000			95,000	95,000				
VHF Radio System - All Town Departments	95,713			95,713	95,713				
Large Dump w/Plow (replace Truck 45)(2005)	263,894				263,894				
Large Six Wheel Dump Truck w/ Plow and Sander (Truck 24)	263,894								
Ten Wheel Dump Truck (replace Truck 18)(2007)	312,362					312,362			
Large Dump w/Plow (replace Truck 9)(2009)	271,811					271,811			
Large Dump w/Plow (replace Truck 31) (2012)	279,965						279,965		
Large Dump Truck (replace Truck 2) (2006)	288,364							288,364	
Large Dump Truck (replace Truck 46) (2006)	297,015								297,015
Old Slocum Road Culvert Replacement	800,000								800,000
Engineering/Design New Public Works Facility - (to be bonded)	15,000,000+		245,000						
Public Works Sub Total			526,956	810,280	993,162	819,073	394,865	288,364	1,097,015
Board of Education									
Gilead Hill School Roof Restoration and Study	550,000	110,000		550,000	450,000				
HES Roof	160,000			160,000	160,000				
Gym Floor HES	264,800			264,800					
EMS, Air Handlers and VRF Integration HES	510,988				255,494	255,494			
EMS, Air Handlers and VRF Integration GHS	502,432				251,216	251,216			
Air Conditioning and Heating (VFR) GHS	1,174,952				587,476	587,476			
Air Conditioning and Heating (VFR) HES	1,217,501				608,751	608,750			
Backup Generator HES	193,500					193,500			
Parking HES	100,000					100,000			
Glass Brick Wall to Window Replacement GHS	200,000						200,000		
Glass Brick Wall to Window Replacement HES	100,000						100,000		
Board of Education Sub Total			-	974,800	1,702,937	1,996,436	300,000	-	-
Fire Department/EMS									
Replace Rescue 110 w/ Rescue Pumper	900,000		100,000	300,000	400,000	400,000			
Replace Chief's Vehicle	75,000				75,000				
Ambulance 610	270,000						270,000		
Fire Department Sub Total			100,000	300,000	475,000	400,000	270,000	-	-
Recreation									
Trackless Snow Machine	172,000			172,000	172,000				
Veteran's Memorial Park Baseball Field Lighting	250,000			250,000	250,000				
Veteran's Memorial Park Outbuilding Upgrade	100,000				100,000				
Burnt Hill Playscape	180,000					90,000	90,000		
Pond Dredging	100,000						100,000		
Grayville Upgrades	75,000							75,000	
Recreation Sub Total			-	422,000	522,000	90,000	190,000	75,000	-
Douglas Library									
Douglas Library Parking Lot Paving	161,036			173,919	173,919				
Douglas Library Sub Total			-	173,919	173,919	-	-	-	-

**CAPITAL IMPROVEMENT PROGRAM
FIVE YEAR PLAN**

	Total Request	Approved Appropriation	Town Manager Rec	Department Request	24-25	25-26	26-27	27-28	28-29
Senior Center									
Senior Center Parking Drainage, Repave and Expansion	TBD								
Senior Housing Needs Study/Engineering	TBD								
Senior Center Sub Total			-	-	-	-	-	-	-
Planning & Development									
Planning & Development Sub Total			-	-	-	-	-	-	-
Miscellaneous									
WPCA	TBD								
Miscellaneous Sub Total			-	-	-	-	-	-	-
GRAND TOTAL			947,886	3,447,722	4,197,576	3,645,984	1,505,554	724,574	1,469,061

CAPITAL PROJECTS/INFRASTRUCTURE REQUEST

Request Prepared By: _____ Kevin Kelly

Contact Person for Questions: _____ Kevin Kelly

Department: Public Works

Date Prepared: 09/22/22

1. Project Title: **Road Resurfacing and Road Improvements**

2. Department Priority:

3. Purpose of Project Request Form (check one)

x

Add a new item to the program
 Modify a project already in the program

Continue a CIP request in the same year
 Delete an item already a part of the program

4. Location: Town Roads in Hebron

5. Description: This money is used for resurfacing and reconstruction of Hebron roadways.

Reclaim and Pave Jan Drive and Carolyn Drive
 Cold in Place and Pave Hope Valley Road

(If this request is part of a regular equipment replacement program, please attach a copy of that schedule.)

6. Justification and Useful Life:

7. Requested Cost Estimates for:

2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
\$ 766,723.00	\$ 330,558.00	\$ 340,475.00	\$ 350,689.00	\$ 361,210.00	\$ 372,046.00

If your estimate is indexed for inflation, indicate the adjustment percent (%) used or method of deriving the calculated future cost:

8. Project Cost Summary:

Equipment Acquisition:	
Property Acquisition:	
Planning / Engineering / Legal:	
Construction:	
Furnishings / Equipment:	
Contingency / Other:	
TOTAL COST:	\$ 766,723.00

9. Recommended Method of Financing:

	%
Taxes / Current revenues:	
Grants:	
Finance - Lease:	
Bonds:	
Capital reserve:	
Other:	
TOTAL FINANCING:	\$ 766,723.00

10. Please review the funding priorities in the CIP Policy Document. What priority(ies) does your request fall under and write a brief description as to how your request meets the CIP criteria for priority funding.

11. If the project funding is over several years, outline the schedule for completing the project, and what work has been done in prior years, including studies or other planning.

12. Reserved:

CIP Action:
 Funding Recommendation:
 BOS Action:
 BOF Action:

Town Manager Review: / /

(complete one sheet for each request)

CAPITAL PROJECTS/INFRASTRUCTURE REQUEST

Request Prepared By: Andrew Tierney

Contact Person for Questions: Andrew Tierney

Department: Town Wide

Date Prepared: 01/24/23

1. Project Title:

2. Department Priority:

3. Purpose of Project Request Form (check one)

X

Add a new item to the program
Modify a project already in the program

Continue a CIP request in the same year
Delete an item already a part of the program

4. Location: Public Works Building Project Design and Engineering

5. Description: Engineering and Design for proposed Public Works Building Project

BL Companies Architectural and Engineering Services \$69,800
Nathan L Jacobson & Associates \$175,000

(If this request is part of a regular equipment replacement program, please attach a copy of that schedule.)

6. Justification and Useful Life:

7. Requested Cost Estimates for:

	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
\$	245,000.00					

If your estimate is indexed for inflation, indicate the adjustment percent (%) used or method of deriving the calculated future cost:

8. Project Cost Summary:

Equipment Acquisition:	
Property Acquisition:	
Planning / Engineering / Legal:	
Construction:	
Furnishings / Equipment:	
Contingency / Other:	
TOTAL COST:	\$ 245,000.00

9. Recommended Method of Financing:

	%
Taxes / Current revenues:	
Grants:	
Finance - Lease:	
Bonds:	
Capital reserve:	
Other:	
TOTAL FINANCING:	\$ 245,000.00

10. Please review the funding priorities in the CIP Policy Document. What priority(ies) does your request fall under and write a brief description as to how your request meets the CIP criteria for priority funding.

Funding priorities include: health and safety concerns, state and federal mandates, facilities equipment/maintenance, conformance with plans or policies and severity of need for the project.

11. If the project funding is over several years, outline the schedule for completing the project, and what work has been done in prior years, including studies or other planning.

12. Reserved:

CIP Action:

Funding Recommendation:

BOS Action:

BOF Action:

Town Manager Review: / /

(complete one sheet for each request)



An Employee-Owned Company

January 5, 2023

Mr. Andrew J. Tierney
Town Manager
Town of Hebron
15 Gilead Street
Hebron Connecticut 06246

Re: **Proposal for Design Services**
New Department of Public Works Facility

Dear Mr. Tierney:

In preparation for tonight's meeting with the Board of Selectman to review the proposals for the New Department of Public Works Facility, BL Companies is pleased to summarize our experience working with municipalities and on projects similar to the above-referenced project. Established in 1986, BL Companies has worked continuously over the years with many municipalities in Connecticut and throughout the country. We focus on three primary markets: Public infrastructure, Retail/Commercial/Industrial, and Energy. The Public Infrastructure market is based entirely on municipal and state work, with a small amount of federal work.

Our work with municipal clients includes Bridgeport, Bristol, Cheshire, Deep River, East and West Hartford, Hartford, Meriden, Middletown, New Haven, Plymouth, Southington, Waterbury, Woodbury, and others in Connecticut alone. The services we have provided include architecture, engineering, environmental, and land surveying, and project assignments have included due diligence and master planning studies, streetscapes, on-call services, deferred maintenance, roof replacements, K-12 and higher education, restoration and renovation, and new construction.

We have executed 16 projects for Hebron dating back to 2009. Included among those was a study in 2015 to prepare programming information, planning requirements, and conceptual plans for a proposed new Public Works Garage, to be located either at the current DPW site or at a more central location closer to the center of Town.

Among over two dozen projects for the Town of Cheshire, BL Companies also provided architectural and engineering services to the Town for the design of a 4,300 SF, eight-bay garage addition to support the Cheshire DOT in their growing need for maintenance of their larger trucks. The building consisted of precast walls with 14'-0" insulated overhead doors and a mechanical system designed to eliminate vehicle emissions.

For the Town of Plymouth, BL prepared a design study for an addition to support the existing Town Garage. The design included a day room with a kitchen and adjacent dispatch area, toilet and locker facilities, and an additional garage bay with storage.



An Employee-Owned Company

December 7, 2022

Mr. Andrew J. Tierney
Town Manager
Town of Hebron
15 Gilead Street
Hebron, CT 06248

Re: Project: Hebron Public Works Facility Buildings
Site: ~~Corner of Kinney Road & Church Street, Hebron CT 06248~~
BL Project No.: 2202421.00

Dear Mr. Tierney:

We are pleased to submit this Agreement to perform professional Services in connection with the above-referenced Project.

BL Companies, Inc. directly or through one or more affiliated companies or wholly owned subsidiaries, referred to collectively below as the "Consultant" will perform professional Services for Town of Hebron referred to below as the "Client".

I. PROJECT UNDERSTANDING

This Agreement is based on Consultant's understanding that the nature of the Project is to provide Schematic Design and Presentation materials to the Town of Hebron's Department of Public Works, for three (3) new buildings. The buildings will consist of a garage with supporting offices, a pre-engineered cold storage building, and a pre-engineered salt shed building, based on the site plan dated 09/09/2022 provided by NLJA. Landscape Architecture, Civil, and Site analysis and design to be provided under separate contract with the Town by NLJA.

The location of the Project is at the corner of Kinney Road & Church Street, referred to below as the "Site".

The professional Services to be provided are more specifically described in the Scope of Services below. Consultant's Services generally will consist of Architectural and Engineering schematic design services. These services include preparation of schematic drawings, exterior renderings,

structural and MEP narratives, and professional services/building construction cost estimates, to be used for presentation at the Town's Referendum hearing scheduled for early Spring of 2023.

All work in regard to this Project is subject to this Agreement.

II. CLIENT RESPONSIBILITIES

Client is responsible for providing the following information or other items to Consultant. Delays in providing, or omissions in, such information or items will likely result in Additional Services. Consultant may use such information in performing its Services and is entitled to rely upon the accuracy and completeness thereof. Unless specifically stated in the Scope of Services set forth below, Consultant will not independently verify such information and is not liable for any errors or omissions. The information and other items to be provided by Client, or other consultants acting on behalf of Client, are:

- Providing Consultant with lawful access to the Site.
- A Survey of the existing site in a usable AutoCAD format.
- Geotechnical report showing site borings & Geotechnical evaluations.
- Any documents, including certifications, which Consultant is requested to sign shall be provided to Consultant at least seven days before the execution deadline.
- Any record documents.
- Trade literature for equipment that is to be accommodated in the new buildings, to be used to verify that equipment can be appropriately accommodated spatially.

III. SCOPE OF SERVICES

A. Basic Services

Consultant will perform the following phases of Basic Services in relation to the Site:

1. Meetings and Hearings.
2. ASMEP Schematic Design.
3. Conceptual Renderings.
4. Schematic Building Construction Cost Estimates.

1. Meetings and Hearings. Consultant will attend in-person and video conference call meetings to coordinate the schematic design of the three buildings, with the Client's Landscape Architect/Civil Engineer and the Town Selectman.

Consultant will send up to two (2) staff members to attend up to two (2) in-person coordination meetings with the Town Selectman to review the program, schematic design plans, and schematic elevations. Consultant will also attend up to two (2) schematic design coordination meetings with Client's Landscape Architect and Civil Engineer. Upon finalizing the schematic plans and elevations, Consultant will send up to two (2) staff members to attend the Town's

Referendum scheduled for early Spring of 2023. Up to five meetings including the Referendum hearing are anticipated.

2. ASMEP Schematic Design. Consultant will provide the Town of Hebron with schematic design documents for the design of an 18,600sf Facilities Building, a 9,600sf Salt Shed and a 4,000sf Cold Storage Building. Consultant will give Client the opportunity to review the schematic drawings. If after 14 days Client has not responded, Client waives all claims for discrepancies between the schematic drawings and the project program.

2.1 Architectural Schematic Design. Consultant will provide schematic design services to produce drawings of the Facilities Building, Salt Shed and Cold Storage Building. A preliminary building code analysis will be completed at this stage. Schematic drawings will include floor plans, exterior elevations, building sections, and typical exterior wall sections labeling proposed materials.

The design will be based on coordination meetings with the Client's Landscape Architect/Civil Engineer and the Town's Selectman. A digital set of progress drawings will be provided to the client in preparation for each meeting electronically. One (1) round of limited revisions per design coordination meeting is included in this fee. Up to four (4) design coordination meetings are anticipated. Extensive revisions will be an additional fee.

Interior design, including but not limited to MEP fixtures, equipment specifications, furniture and millwork design is excluded from this agreement.

2.2 Structural Engineering Schematic Design. The Consultant will review the preliminary floor plans for the three (3) buildings along with the preliminary Site and Grading Plan from the Civil Engineer and will assist in the preparation of Schematic Design Documents by the Architect. It is assumed that the Facilities Building will be conventionally framed, the Salt Shed superstructure to be pre-fabricated wood roof trusses on concrete foundations and the Cold Storage to be a pre-engineered metal building (PEMB). The Geotechnical Investigation (by others) shall be coordinated with this work in order to identify any soil and/or groundwater issues that will affect the building foundations. The proposed structural fee assumes that the building will be founded on conventional spread-type footings, and that requirements for deep foundations, such as piles or caissons, shall constitute additional design fees. A narrative describing the framing of each building will be included.

2.3 MEP, Fire Alarm, and Fire Protection Schematic Design. Consultant will prepare a narrative with proposed MEP systems as outlined below:

Mechanical – BL Companies will investigate HVAC for the office space and heating & ventilating equipment for other areas. Preliminary information regarding exhaust fan requirements and unit heaters for the various buildings will also be included.

Plumbing – BL Companies will investigate collection of the roof/rainwater for all buildings. Further, plumbing shall investigate requirements for cold water service to the garage/office building as well as trench drain requirements for the truck wash area and truck storage

areas. BL shall provide preliminary information on sanitary and domestic water utility for the buildings as well as natural gas requirements.

Electrical – BL Companies will provide preliminary electrical service sizing for the garage/office building. Further, preliminary information for feeders from the garage/office building to the salt shed and enclosed storage buildings will be provided. Light fixtures will be discussed for each building type.

Fire Protection – BL Companies shall review each building type and the requirements for a wet, automatic sprinkler system(s).

Fire Alarm – BL Companies will investigate all code required fire alarm systems for the garage/office building, the salt shed, and the enclosed storage building.

3. Conceptual Renderings. Consultant will provide three (3) total views. Views will include (2) rendered aerial views to show all building structures with immediate context and one (1) street level view, the location of which will be determined by team. Preliminary versions of these views will be submitted digitally to the Client for review prior to final production of renderings. One (1) round of revisions of the renderings is included in this fee. Additional views can be provided at request for (\$2,500 / view).

Hardcopy prints in color of the finalized four (4) renderings will be presented to the Town's public at the Referendum, mounted on presentation boards. Digital copies of the finalized renderings will be provided to the Client. Samples of the exterior finishes will be presented on a finish board. One (1) sample of exterior finishes will be shown on the finish board.

One (1) hardcopy print of the Floor Plans and Exterior Elevations of the three buildings will be mounted on presentation boards.

Consultant will prepare and present the Schematic Design drawings, Renderings and Finish Board to the Town's public at the Referendum.

4. Schematic Building Construction Cost Estimates. Consultant will provide a schematic design phase construction cost estimate for each of the three buildings, based on the final schematic design. Consultant will also include professional services fees as a line item in the estimate. The schematic construction cost will be presented to the Town's public, together with the presentation renderings and drawings at the Referendum hearing. Estimator will not be present at the referendum. However, upon request, along with other cost estimating services, they may be provided for an additional fee at an hourly rate.

B. Exclusions And Additional Services

The Scope and Fee for Basic Services are based on information provided by Client. If Project parameters or field conditions vary significantly or if unforeseen circumstances arise, such changes will likely result in Additional Services and may affect construction costs and other Project costs.

The Services being provided within the Fee for Basic Services are only those which are expressly set forth in this Agreement. All other Services are Additional Services. Additional Services will be provided only if authorized by Client.

Except as may be described in the Basic Services set forth above, Consultant shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials or toxic substances in any form at the Site.

Consultant can provide any or all of the following Additional Services which is not an exhaustive list. Any Additional Services not listed below may be provided by others. Additional Services provided by Consultant will be paid on an hourly basis invoiced at the Consultant's Hourly Billing Rates in effect when the Services are performed.

1. In addition to the specific items identified as Additional Services under individual work-phases, Consultant can provide additional types of Services including:
 - a. Survey Services including property surveys, topographic surveys, aerial mapping, easement maps, subdivisions, wetlands delineation and mapping, boundary monumentation and construction layout.
 - b. Environmental Services including (i) Phase I and Phase II Environmental Site Assessments, (ii) Hazardous Building Materials Inspection (HBMI), and (iii) investigation of vapor intrusion and supervising the design and implementation of remediation or mitigation strategies including vapor barrier and/or ventilation systems.
 - c. Geotechnical investigation, analysis and recommendations.
 - d. Subsurface utility engineering (SUE) to locate underground utilities.
 - e. Site concept plans.
 - f. Traffic studies and analysis.
 - g. Civil site design.
 - h. Off-site improvement design.
 - i. Regulatory analysis and permitting strategies including zoning, wetlands and other local, state and federal requirements.
 - j. Regulatory permitting including local, state and federal environmental permitting
 - k. Regulatory permitting associated with local and state road opening, highway occupancy, encroachment and related traffic permitting.
 - l. Architectural, structural, mechanical, electrical, plumbing, and fire protection construction documents.
 - m. Design and specification of voice and data cabling systems, infrastructure and equipment.
 - n. Interior Design.
 - o. Landscape Architecture.
 - p. Bid phase Services.
 - q. Construction cost estimating beyond a schematic level.
 - r. Construction administration.
 - s. Construction inspection.
 - t. Assistance with LEED, Green Globe or similar energy or environmental certifications.
 - u. Commissioning.

- v. Cultural Resource services including Section 106 compliance; historic architecture and archaeological investigations; and Geographic Information Systems (GIS) analysis.
 - w. Natural Resource services including National Environmental Policy Act (NEPA) and any state and local environmental policy act compliance, state and federal wetland delineations, jurisdictional determinations and wetland functional assessments including stream assessments and restoration techniques, habitat assessments, vernal pool assessments and surveys as well as Section 7 coordination under the Endangered Species Act, including bat habitat assessments
 - x. Topical and comprehensive planning services, including community and economic revitalization programs, open space and historic resource preservation, and funding/revenue alternatives, grant writing and management.
2. Redesign or excessive revisions required by Client or public agencies. The Fee specified is based on reasonable and customary revisions required by public agencies. Redesign or excessive revisions will constitute Additional Services.
 3. Any services in support of litigation, mediation, an administrative action or arbitration relating to the Project or the Site and any additional design or permitting activities resulting from the final resolution of such litigation, mediation, administrative action or arbitration.
 4. Modifications to Consultant's work required by changes in applicable federal, state and local law, including statutes, ordinances and regulations.
 5. Services necessary to respond to the recommendations of any value engineering exercise including modifications to any reports, drawings, specifications, bidding or other documents.
 6. Unless otherwise specified, the Scope and Fee is based on the understanding that the Project delivery method is Design – Bid – Build. Change to a different Project delivery method will likely result in Additional Services.
 7. Services necessary to prepare multiple bid packages for phased construction or other reasons.
 8. Services necessary to address issues which arise if the Client elects to bid the Project based on documents other than complete and final construction documents.
 9. Preparation and maintenance of a Building Information Model (BIM).
 10. Review, revision and execution of certifications required by Client or Client's lender. Consultant will not certify to matters that are beyond the scope of services provided by Consultant. Additionally, Consultant can only certify as to visible surface features as shown on the construction documents. Review and revision of lenders' form documents to conform them to Consultant's scope and to reflect actual project considerations is an Additional Service.

IV. SCHEDULE

Consultant will work with the Client to develop a schedule that is mutually agreeable to both parties, which schedule may be revised during the course of the Project by mutual agreement of the parties.

V. FEES AND EXPENSES

A. Fees For Basic Services

The Fee specified is based on Consultant providing all of the Services included in Basic Services. If the Client desires Consultant to perform some, but not all, of the Services included in Basic Services, then the Fee for individual phases may increase. The revised Fee will be negotiated separately.

The Fee specified is based on Consultant performing the Basic Services in a logical and efficient sequence. If Client directs a different sequence of Services, such revised sequence will likely require Additional Services and may impact the Schedule of the Project including regulatory review and approvals. Consultant shall not be responsible for any increased costs or delay in the Project resulting from Client's decision to alter the sequence.

The breakdown of the Total Fee among the phases as set forth below is a good faith estimate. The cost of particular phases of Basic Services may exceed the estimate below, but Consultant will not incur Fees beyond the Total Fee as presented below without Client authorization.

Phases of Basic Services	Services / Description	Fee Type	Fee
1	Meetings and Hearings	Hourly Estimated	\$ 8,000
2	ASMEP Schematic Design	Fixed	\$ 43,000
3	Conceptual Renderings	Fixed	\$ 9,500
4	Schematic Building Construction Cost Estimates	Fixed	\$ 6,800
	Reimbursable Expenses (Estimated)		\$ 2,500
	Total Fixed and Hourly Estimated Fee and Expenses	Total Fee	\$ 69,800

The Reimbursable Expenses are only an estimate. All actual Reimbursable Expenses will be paid.

Fixed Fee. Consultant will provide the Basic Services identified as "Fixed" for the Fixed Fee set forth. Fees for each phase will be billed monthly on the basis of percentage completion.

Hourly Estimated Fee. Consultant will provide the Basic Services identified as "Hourly Estimated" on an Hourly basis at its Hourly Billing Rates in effect when the Basic Services are performed and Client will pay for the time actually spent. The Hourly Estimated Fee has been provided at the Client's request for tasks as to which: (a) the scope is not fully defined and, therefore, no Total Fee can be provided or (b) the extent of Consultant's effort that will be required to perform the scope is unknown at this time. Accordingly, the Hourly Estimated Fee is a good faith estimate based on the information currently available about the Project, the Scope of Service and the level of effort. Consultant cannot and does not guarantee that the Basic Services can be completed within the Hourly Estimated Fee. Fees for each phase will be billed monthly on the basis of time spent.

Consultant will not incur Fees above the Hourly Estimated Fee without authorization or approval by the Client.

B. Fees for Additional Services

All Additional Services will be paid in addition to the Total Fee. Unless otherwise agreed, such Additional Services will be paid on the basis of actual time spent using the Hourly Billing Rates in effect when the Services are performed.

C. Reimbursable Expenses

1. Expenses included as overhead:

Routine copies and printing, first class postage, routine local and long-distance telephone service and facsimile transmission and receipt will be provided without charge.

2. Expenses reimbursable to Consultant:

All other out-of-pocket expenses including subconsultants, subcontractors, materials, equipment rentals, mileage, travel expenses, traffic control, additional insurance requirements imposed by the Client, multi-set or large volume copying and printing, binding, overnight delivery service, deed and map copies and application fees and related expenses required for agency or Client submissions are Reimbursable Expenses. Client will pay Reimbursable Expenses to Consultant at cost plus fifteen percent (15%) for administration and overhead.

D. Hourly Billing Rates

Consultant will utilize the following Hourly Billing Rates, which include fringe, burden and overhead:

Hourly Billing Rates
April 1, 2022*
*Rates will change January 1

Classification:

Senior Principal

Hourly Rate:

\$225-\$300

ARCHITECTURE

Principal Architect	\$200-\$280
Senior Project Manager	200-260
Project Manager	160-230
Senior Architect	160-230
Project Architect	145-175
Job Captain	125-170
Staff Architect	70-125
Senior Designer	110-145
Designer	90-130
CADD Operator	75-120
Project Coordinator	90-105
Administrative Assistant	60-95

STRUCTURAL ENGINEERING

Principal Engineer	\$200-\$280
Senior Project Manager	210-260
Project Manager	170-230
Senior Engineer	150-230

MEP ENGINEERING

Principal Engineer	\$200-\$280
Senior Project Manager	210-260
Project Manager	170-230
Senior Engineer	150-230
Project Engineer	115-175
Staff Engineer	100-135
Senior Mechanical Gas Designer	150-190

E. Fee Protection

The Fee proposed in this Agreement shall remain valid for three months after the date of this Agreement. Consultant retains the right to revise the Fee and/or update this Agreement if this Agreement is not executed by the Client or work has not yet begun, due to no fault of the Consultant, within three months of such date.

The Hourly Billing Rates shall remain in effect for work done during the calendar year. Consultant adjusts its Hourly Billing Rates annually on January 1.

F. Billing

Consultant will bill Client by issuing invoices at of the end of each month beginning with the commencement of work and continuing through Project completion. Each monthly invoice will be for all Fees earned (whether for Basic Services or Additional Services) and Reimbursable Expenses incurred by Consultant during the month. Sales and Use Tax, if any, imposed on the Consultant will be added to the bill. Client agrees that all invoices are due no later than thirty days after the date of the invoice. Client's payment of the invoice will acknowledge that Client is satisfied with Consultant's services and knows of no defect or deficiency in Consultant's services at the time of payment. If Client objects to all or any portion of the invoice, Client will notify Consultant within ten (10) business days from the date of receipt of the invoice and shall make timely payment of the undisputed portion of the invoice. The parties will immediately confer to resolve the disputed portion of the invoice.

Consultant reserves the right to charge interest at 1.5% per month on the unpaid balance of any invoice beginning on the 31st day after the date of the invoice. Consultant also reserves the right to suspend or terminate Services on all of Client's Projects if any balance remains unpaid for more than 30 days after the date of the invoice. If Client is or has been delinquent in its payments, Consultant reserves the right to require payment prior to the commencement of additional work. Consultant shall not be liable to Client for any costs or damages or any impact on Project Schedule that may result from Consultant's suspension of services due to Client's nonpayment. If Consultant resumes services after all invoices have been paid, the schedule and compensation may be equitably adjusted to reflect any delays or additional costs caused by such suspension of services. Continuation of service is not a waiver of Consultant's right to collect all sums due and is not a waiver of Consultant's right to suspend or terminate Services at a later time. The suspension or termination of Services shall be without further obligation or liability from Consultant to the Client but shall not relieve the Client of the obligation to pay for Services performed by Consultant through the date of termination. Consultant reserves the right to withhold any deliverables until Client has paid in full. If Consultant engages an attorney or collection agency to collect any unpaid balances, the Client shall be responsible for all costs, expenses, attorney fees for outside and in-house counsel and collection fees incurred by Consultant in the collection of any unpaid balances.

Send remittances to:

By Check via USPS Mail: BL Companies, Inc.
PO Box 845920
Boston, MA 02284-5920

By Check Via FedEx or: BL Companies, Inc.
UPS Attn: Lockbox Operations – Box 845920
1 Cabot Road, Suite 202
Medford, MA 02155

By Wire: Wire Routing Number: 011500120
ACH Routing Number: 211170114

Citizens Bank Account Number: 2202501333
Swift Code # (for international wire) CTZIUS33

Bank info: Citizens Bank
1 Citizens Drive
Riverside, RI 02915

When initiating a wire, please send remittance advice to AR@BLCompanies.com.
Include your invoice number(s) to assure your payment is applied properly.

G. Retainer

An initial payment of \$ Zero dollars (\$ 0) shall be made at the time the executed Agreement is returned to Consultant, and shall be credited to the Client's account at the time of final payment. Consultant will not commence services until Consultant has received both the executed Agreement and Retainer.

VI. TERMS & CONDITIONS

This Agreement is subject to the attached Consultant Contract Provisions, which are incorporated into this Agreement in their entirety.

VII. CLOSING STATEMENT


If this Agreement, along with the attached Consultant Contract Provisions, is agreeable, please indicate your acceptance by signing on the attached acceptance form, and by returning an executed Agreement along with the retainer, if required, to the named individual below. A signature transmitted by electronic means shall be binding and have the same force and effect as an original signature. Any changes to this Agreement must be initialed by both parties to be binding.

After we receive the executed Agreement from you, and any required retainer, we will execute it to make it a binding Agreement and return one (1) fully executed Agreement to you.

We look forward to participating in the successful realization of this Project.

Very truly yours,

BL COMPANIES, INC.

By: 

Christen M. Robbins, AIA
Senior Project Manager

[Execution signatures on following page]

ACCEPTED AND AGREED

CLIENT
TOWN OF HEBRON

By: _____

Date: _____

Printed Name: _____

Title: _____

CONSULTANT
BL COMPANIES, INC.

By: _____

Date: _____

Printed Name: _____

Title: _____

Please send executed Agreement to:
crobbins@blcompanies.com
Attention: Christen Robbins

CONSULTANT CONTRACT PROVISIONS

1. **CONTRACT** – This Agreement constitutes the full and complete agreement between the parties and may be changed, amended, added to, superseded or waived only if both parties specifically agree in writing to such amendment of the Agreement. This Agreement supersedes all prior communications, understandings and agreements, whether oral or written. In the event of any inconsistency between this Agreement and any proposal, contract, purchase order, requisition, notice to proceed or like document, this Agreement shall govern.
2. **RIGHT OF ENTRY** – When entry to property is required for the Consultant to perform its Services, the Client agrees to obtain legal right-of-entry on the property.
3. **DOCUMENTS** – All reports, notes, drawings, specifications, data, calculations and other documents, including those in electronic form, prepared by Consultant are instruments of Consultant's service that shall remain Consultant's property. The Client agrees not to use Consultant-generated documents for marketing purposes, for purposes other than the purpose for which the documents were prepared by Consultant, or for future modifications, without Consultant's express written permission.

Any reuse, distribution to third parties or modification without such express written permission or specific adaptation by Consultant will be at the Client's sole risk and without liability to Consultant or its employees, subsidiaries, independent professional associates, subconsultants and subcontractors. Client shall, to the fullest extent permitted by law, defend, indemnify, and hold harmless Consultant from and against any and all costs, expenses, fees, losses, claims, demands, liabilities, suits, actions and damages whatsoever arising out of or resulting from such unauthorized reuse, modification or distribution.
4. **CONSTRUCTION PHASE SERVICES** – If Consultant performs any Services during the construction phase of the Project, Consultant shall not supervise, direct, or have control over contractor's work. Consultant shall not have authority over or responsibility for the construction means, methods, techniques, sequences or procedures or for safety precautions and programs in connection with the work of the contractor. Accordingly, Client shall require all of its contractors and subcontractors to indemnify and hold harmless Consultant from any and all claims, losses, suits, damages, and liabilities, including attorneys' fees and costs, arising in any way from such contractors' or subcontractors' services or work product, except to the extent caused by Consultant's sole negligence. Consultant does not guarantee the performance of the construction contract by the contractor and does not assume responsibility for the contractor's failure to furnish and perform its work in accordance with the contract documents.
5. **STANDARD OF CARE** – Consultant and its employees, subsidiaries, independent professional associates, subconsultants, and subcontractors will exercise that degree of care and skill ordinarily practiced under similar circumstances by design professionals providing similar services. Client agrees that Services provided will be rendered without any warranty, express or implied. The Client recognizes that the professional standard of care does not require that the Consultant's instruments of service be perfect and that some change orders may be required even by instruments of service that meet the professional standard of care. Accordingly, and in recognition of the possibility of unforeseen circumstances

occurring during the life of the Project, the Client agrees that the Project budget for design and construction will include a contingency which is reasonable in light of the stage of the Project and the information available at the time the budget is established. Consultant will not be liable for increased construction costs that are within a reasonable contingency.

The Client shall promptly report to the Consultant any defects or suspected defects in the Consultant's Services of which the Client becomes aware, so that the Consultant may take measures to minimize the consequences of such a defect.

In the event a change is required because the Consultant breached the standard of care, then: (1) the Consultant shall be responsible for revising its instruments of service at no cost to the Client; (2) if a required item or component of the project is omitted from the construction documents or if a change order is otherwise required, Consultant shall be responsible for paying the incremental cost of adding or correcting that item or component, excluding the reasonable cost that would have been incurred by the Client at the time of the original bid for such Project item or component to the extent such item or component would have been required and included in the original construction documents; (3) in no event will the Consultant be responsible for any cost or expense that provides betterment or upgrades or enhances the value of the Project.

Consultant shall exercise usual and customary professional care in its efforts to comply with applicable codes, regulations, laws, rules, ordinances, and such other requirements in effect as of the date of execution of this Agreement.

6. **OPINION OF PROBABLE COSTS** – When required as part of its work, Consultant will furnish opinions of probable cost, but does not guarantee the accuracy of such estimates. Opinions of probable cost, financial evaluations, feasibility studies, economic analyses of alternate solutions, and utilitarian considerations of operations and maintenance costs prepared by Consultant hereunder will be made on the basis of Consultant's experience and qualifications and will represent Consultant's judgment as an experienced and qualified design professional. However, users of the probable cost opinions must recognize that Consultant does not have control over the cost of labor, material, equipment, or services furnished by others or over market conditions or contractors' methods of determining prices or performing the work.
7. **SUSPENSION OF WORK** – The Client may, at any time, by written notice, suspend further work by Consultant. The Client shall remain liable for, and shall promptly pay Consultant for all Services rendered to the date of suspension of Services. Continuation of the Services at a later date may result in additional fees.
8. **TERMINATION** – This Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. In the event of any termination, Client will pay Consultant for all Services rendered and Reimbursable Expenses incurred under this Agreement to the date of termination.
9. **INSURANCE** – Consultant will maintain Worker's Compensation insurance meeting statutory requirements and will maintain general liability, automobile liability, and professional liability coverage of at least one million dollars (\$1,000,000.00) during the time Consultant is providing Services to Client.

10. **AGREED REMEDY.** In recognition of the relative risks and benefits of the Project to both the Client and the Consultant, the risks have been allocated such that, to the maximum extent permitted by law, Client agrees to limit the total liability, in the aggregate, of Consultant and Consultant's officers, directors, employees, agents and subconsultants for any and all of the Client's or anyone claiming by, through or under the Client's damages, injuries, claims, losses, or expenses whatsoever arising out of or in any way related to Consultant's Services, the Project or this Agreement, to the sum of two hundred fifty thousand dollars (\$250,000.00) or the Consultant's Total Fee, whichever is greater. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

It is the intent of the Client and Consultant that the Consultant's Services under this Agreement shall not subject the Consultant's individual employees, officers or directors to any personal legal exposure for claims and risks associated with the Services that are performed under this Agreement.

Client may not assert any claim against Consultant after the shorter of three (3) years from substantial completion of Services giving rise to the claim or the statute of repose provided by law.

11. **CHANGES OR DELAYS**—The Fees described in Section V constitute Consultant's estimate to perform the services required to complete the Project. Required services often are not fully definable in the initial planning; accordingly, developments may dictate a change in the scope of services to be performed. Where this occurs, changes in the Agreement shall be negotiated and an equitable adjustment shall be made.

Costs and schedule commitments shall be subject to renegotiation for unreasonable delays caused by the Client's failure to provide specified facilities, direction, or information, or if Consultant's failure to perform is due to any act of God, labor trouble, fire, inclement weather, act of governmental authority, failure of transportation, accident, power failure, or interruption or any other cause beyond the reasonable control of Consultant. Temporary work stoppages caused by any of the above may result in additional costs. When such delays beyond the Consultant's reasonable control occur, the Client agrees that the Consultant shall not be responsible for damages, nor shall the Consultant be deemed in default of this Agreement.

12. **MISCELLANEOUS**

Governing Law and Dispute Resolution: The laws of the State of Connecticut shall govern the validity and interpretation of this Agreement.

The Client and Consultant agree to submit all claims and disputes arising out of Consultant's performance under this Agreement to non-binding mediation prior to the initiation of legal proceedings. This provision shall survive completion or termination of this Agreement; however, neither party shall seek mediation of any claim or dispute arising out of this Agreement beyond the period of time that would bar the initiation of legal proceedings to litigate such claim or dispute under the applicable law.

Client and Consultant mutually consent and submit to the jurisdiction of the federal and state courts for the State of Connecticut and agree that any action, suit or proceeding arising out of this Agreement may be brought in the federal or

state courts for the State of Connecticut. The parties mutually acknowledge and agree that they will not raise, in connection with any such suit, action or proceeding, any defense or objection based upon lack of personal jurisdiction, improper venue or inconvenience of forum.

Invalid Terms: In the event any of these Contract Provisions are found to be illegal or otherwise unenforceable, the unenforceable Contract Provision will be stricken. Striking such a Contract Provision shall have no effect on the enforceability of the remaining Contract Provisions and those remaining Contract Provisions shall continue in full force and effect as if the unenforceable Contract Provision were never included in the Agreement.

Reliance: Consultant shall be entitled to rely on the accuracy and completeness of any and all information provided by the Client, Client's consultants and contractors and information from public records without the need for independent verification.

Non-solicitation: The Client and the Consultant agree that during the term of this Agreement and for one year thereafter not to for themselves or for any other person or entity, directly or indirectly (1) cause or induce or attempt to cause or induce any employee of the other party who is working on the Project to leave employment or (2) employ or engage or attempt to employ or engage any employee of the other party who is working on the Project.

Assignment: Neither party to this Agreement shall transfer, sublet or assign any rights or duties under or interest in this Agreement, including but not limited to monies that are due or monies that may be due, without the prior written consent of the other party.

Certifications: Consultant shall not be required to sign any documents, no matter by whom requested, that would result in Consultant's having to certify, guaranty, or warrant the existence of conditions that Consultant cannot ascertain.

Intended Beneficiaries: No one other than Consultant and Client are the intended beneficiaries under this Agreement and, therefore, nothing contained in this Agreement shall create a contractual relationship with, or a cause of action in favor of, a third party against either the Client or Consultant.

Consequential Damages: Neither the Client nor the Consultant shall be liable to the other or shall make any claim for any incidental, indirect or consequential damages arising out of, or connected in any way to the Project or this Agreement. This mutual waiver includes, but is not limited to, damages related to loss of use, loss of profits, loss of income, loss of reputation, unrealized savings or diminution of property value and shall apply to any cause of action including negligence, strict liability, breach of contract and breach of warranty.

Project Information: Consultant shall have the right to include photographic or artistic representations and a description of the project among Consultant's promotional and professional materials, print and electronic. Consultant shall be given reasonable access to the completed Project to take photographs or make such representations.

Authorization: Client agrees that the individual signing this Agreement is duly authorized to fully bind the Client, its successors and assigns.



Jacobson

December 14, 2022

Mr. Andrew J. Tierney
Town Manager
Town of Hebron
15 Gilead Street
Hebron Connecticut 06246

RE: Proposal for Survey and Engineering Design Services
New Department of Public Works Facility and
Extension of John Horton Boulevard
Hebron, Connecticut

Dear Mr. Tierney:

In accordance with your request, we are pleased to submit this budget proposal for providing survey and civil engineering design services for the extension of John Horton Boulevard and development of a new department of public works facility. The project is currently proposed to be located on an 88-acre parcel owned by the Town of Hebron, more commonly known as the Horton Parcel.

The proposed improvements are generally as shown on a drawing titled "Conceptual Site Plan Town of Hebron Proposed Public Works Facility" dated 09/19/22, prepared by Nathan L. Jacobson & Associates, Inc.

For the purposes of this proposal, our scope of services is divided into several design tasks corresponding with various elements of the overall project as follows:

- Extension of John Horton Boulevard includes approximately 1,700-feet of proposed roadway from the existing John Horton Boulevard to a proposed roundabout and another 750-feet from the roundabout to Kinney Road. It includes storm drainage, two wetland culvert crossings, and the extension of public utilities. The public utilities consist of water, sewer, power, gas, telecommunications, and cable.
- Supplementary Public Improvements includes the roadway roundabout, the Great Lawn, and an additional parking lot for public use.
- Department of Public Works Facility includes a new complete public works facility including a public works garage and office building, salt shed, equipment storage building, and associated site improvements. Associated site improvements consist of access drives; parking areas; sidewalks; utilities including service connections to public water and sewer; storm drainage; stormwater management practices; industrial treatment systems for vehicle wash water and salt storage facility; above ground fueling facilities; landscaping; and site amenities.
- Integrated Project Design includes overall project design tasks including combining design elements from tasks above to create complete integrated project plans.

Nathan L. Jacobson & Associates, Inc.
Nathan L. Jacobson & Associates, P.C. (NY)
86 Main Street P.O. Box 337 Chester, Connecticut 06412-0337
Tel 860.526.9591 Fax 860.526.5416

Consulting Civil and Environmental Engineers Since 1972



Jacobson

Mr. Andrew J. Tierney, Town Manager
Town of Hebron

RE: Proposal for Engineering Design Services
New Department of Public Works Facility and
Extension of John Horton Boulevard
Hebron, Connecticut

December 14, 2022

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- Pre-referendum Tasks includes the development of cost estimates and public presentation materials, overall project reviews with Town Staff, Town Officials, Land Use Commissions, Permitting Agencies, and presentations at public informational meetings.

Nathan L. Jacobson & Associates, Inc. will provide civil engineering services and serve as the lead consultant for design of site improvements for the project. Specialty consultant services will be provided by the following:

Landscape Architectural services will be provided by LADA, P.C.

Wetland Scientist services will be provided by Richard Snarski, CPSS.

Land Surveying Services will be provided by our affiliate company, Land Survey & Technical Services, Inc.

Geotechnical investigations will be provided by Welti Geotechnical, P.C.

This proposal is based on the following assumptions:

- A. Site improvements will generally be as shown on the conceptual plan previously prepared and referenced above. The scope of services under this proposal does not include developing alternative overall facility layouts or investigating alternate sites.
- B. This is the pre-referendum phase of the project. The design will be developed and plans prepared to represent site improvements for presentation to Town Officials and to the public. Opinions of probable construction costs will be developed to determine a budget amount required for funding the project.
- C. Preparation of construction contract documents and services during bidding and construction are not in the scope of this proposal and would be considered in a separate proposal should the project be approved for funding.
- D. Acquisition of federal, state, and local permits are not included in the scope of this proposal. However, site design elements shall consider known permit requirements and incorporate common practices required for permit compliance. Pre-application and informal meetings with permitting agencies or land use commissions are included as noted in the scope of services to determine regulatory agency requirements.
- E. Existing topography of the site is from mapping provided by Megson, Heagle & Friend Civil Engineers & Land Surveyors in conjunction with development of the Village Green Master Plan. This mapping is generally adequate for the current level of design. Topographic survey will be supplemented as needed for areas not covered in the original survey or that have been modified since the original survey such as the end of John Horton Boulevard and the intersection of the proposed road extension



Jacobson

Mr. Andrew J. Tierney, Town Manager
Town of Hebron

RE: Proposal for Engineering Design Services
New Department of Public Works Facility and
Extension of John Horton Boulevard
Hebron, Connecticut

December 14, 2022

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- with Kinney Road, and to locate existing utilities, test pits or monitoring wells for underdrains or stormwater practices.
- F. Architectural services for design of the public works garage & office building, salt shed, and equipment storage facility are by BL Companies under a separate contract with the Town of Hebron.
 - G. Pre-staking and flagging of proposed site features are not included in this proposal, but can be provided as additional services.
 - H. Wetland boundaries had been previously delineated by Megson, Heagel and Friend. Wetland delineation was recently confirmed by Richard Snarski, CPSS. The additional wetland flags confirmed by Mr. Snarski were mapped. Additional wetland flagging is not anticipated and is not included in this scope of services.
 - I. The proposed development area has been the subject of a Phase I Archeological Reconnaissance Survey. The State Historic Preservation Office (SHPO) reviewed the Survey and determined that they have no objection to the development of the currently proposed 11-acre Area of Potential Effect (APE). Any proposed improvements outside of this area may require further study which is not included in this proposal.
 - J. Based on review of the June 2021 Natural Diversity Data Base (NDDDB) map, the project is not located within an area where State listed species and significant natural communities occur.
 - K. Given the relatively low level of traffic generated by the proposed facility, a traffic study is not included in this proposal.
 - L. The site was previously the subject of an Environmental Review Team Report in conjunction with the proposed Village Green Development. No further environmental investigations are included in this proposal.
 - M. Based on the concept plan, direct wetland impacts are limited to two wetland crossings for the extension of John Horton Boulevard. These will be subject to an Army Corps of Engineers Self Verification Application and designed in accordance with best management practices required for that level of permitting.
 - N. The contemplated area of proposed disturbance for this project is greater than five acres and will require a Connecticut Department of Energy and Environmental Protection (CTDEEP) General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. While this permit application is not within the scope of this proposal, the design will consider and incorporate required best management practices.
 - O. Due to the proposed use, the project is subject to a CTDEEP General Permit for the Discharge of Stormwater Associated with Industrial Activity. While this permit application is not within the scope of this proposal, the design will consider and incorporate best management practices.



Jacobson

Mr. Andrew J. Tierney, Town Manager
Town of Hebron

RE: Proposal for Engineering Design Services
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- P. Due to the proposed use, the project is subject to a CTDEEP General Permit for Vehicle Wastewater. While this permit application is not within the scope of this proposal, the design will consider and incorporate best management practices.
- Q. Building exterior lighting will be addressed by others within the architect's scope of services. Site lighting design is not included in our scope of services.

Based on the foregoing, our scope of services is as follows:

Task 1: Extension of John Horton Boulevard

- 1.1. Obtain field topographic survey for areas beyond existing survey limits or where conditions have changed since the original survey as necessary to perform the design services within this proposal. Visible features will include but not be limited to roads, curbs, driveways, above ground utilities, trees, stonewall, storm drainage structures, and wetland flags.
- 1.2. Prepare a digital topographic survey worksheet for the survey obtained in 1.1 above at a convenient scale and an elevation contour interval of two (2) feet or less depicting planimetric features, structure elevations, and ground elevations.
- 1.3. Conduct a field investigation of the existing site and take digital photographs as needed to document existing conditions.
- 1.4. Prepare project existing conditions base map from previously acquired survey mapping and supplemental survey worksheet.
- 1.5. Research and coordinate with Connecticut Water Company and Town Planning Department with respect to extension of public water supply within the extension of John Horton Boulevard.
- 1.6. Research and coordinate with the Hebron WPCA Administrator regarding the extension of sanitary sewer within the extension of John Horton Boulevard.
- 1.7. Coordinate the services of a geotechnical engineer to perform subsurface investigations, conduct a geotechnical evaluation, and prepare a report for the two proposed culverts required for the extension of John Horton Boulevard.
- 1.8. Solicit review of the culvert sites from U.S Fish and Wildlife and CTDEEP Inland Fisheries Division.
- 1.9. Perform a Soil Conservation Service TR-55 hydrologic analysis of the contributing watershed areas to determine design discharges to the proposed culverts. Perform a hydraulic analysis to properly size the culverts to accommodate the contributing peak flow rates from a 100-year storm event.



Jacobson

Mr. Andrew J. Tierney, Town Manager
Town of Hebron

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- 1.10. Perform a hydrologic analysis of existing and proposed conditions, determine pre-development and post development peak runoff rates and water quality treatment volumes and design necessary stormwater treatment and control measures.
- 1.11. Prepare a computer-generated preliminary design drawing set using AutoCAD 2023 or later version and our English unit CAD standards. It is anticipated that the following drawing sheets will be prepared:
 - Existing Conditions Plans
 - Roadway Plan & Profile Sheets with grading, storm drainage, and utilities
 - Culvert General Plans
 - Typical Roadway Sections and Details
- 1.12. Submit drawings to Town and Utilities for review.
- 1.13. Attend one meeting with Town staff and utility representatives.
- 1.14. Make necessary plan revisions based on comments from Town Staff and utility representatives.

Task 2: Supplementary Public Improvements

- 2.1. Prepare project existing conditions base map from previously acquired survey mapping covering areas of the roadway roundabout, great lawn, supplementary parking, and access drives.
- 2.2. Develop civil design for site improvements including the roundabout, supplementary parking area, access drives, walkways, storm drainage, and the great lawn.
- 2.3. Perform a hydrologic analysis of existing and proposed conditions, determine pre-development and post development peak runoff rates and water quality treatment volumes and design stormwater treatment and control measures.
- 2.4. Prepare a computer-generated preliminary design drawing set utilizing AutoCAD 2023 or later version and our English unit CAD standards. It is anticipated that the following drawing sheets will be prepared:
 - Existing Conditions Plans
 - Site Plans
 - Landscaping Plans
 - Site Details and Notes
- 2.5. Submit drawings to Town for review.
- 2.6. Attend one meeting with Town staff.
- 2.7. Make necessary plan revisions based on review by Town Staff.



Jacobson

Mr. Andrew J. Tierney, Town Manager
Town of Hebron

RE: Proposal for Engineering Design Services
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Task 3: Department of Public Works Facility

- 3.1. Attend an initial project coordination meeting with Town Officials and BL Companies.
- 3.2. Prepare project base map from available survey mapping.
- 3.3. Conduct a field investigation of the existing site and take digital photos of significant physical features as needed for design.
- 3.4. Obtain an accurately drawn AutoCAD file from BL Companies representing the proposed building footprints (exterior faces that intersect the ground) for the public works office/garage, salt shed, and cold storage building for positioning on the civil drawings including location of exterior doors, overhangs, external equipment pads, or similar ancillary features that might impact site design.
- 3.5. Position the building footprints provided by BL Companies on the base mapping for Preliminary Design and submit drawing back to BL Companies to confirm positioning.
- 3.6. Develop civil design for all exterior facilities including access drives, parking area, walkways, and storm drainage.
- 3.7. Perform a hydrologic analysis of existing and proposed conditions, determine pre-development and post development peak runoff rates and water quality treatment volumes, and design stormwater treatment and control measures.
- 3.8. Coordinate with BL Companies with respect to the salt storage shed. Design containment and drainage system to convey runoff from building interior drainage and exterior areas subject to salt deposition to sanitary sewer system in accordance with CTDEEP best management practices.
- 3.9. Coordinate with BL Companies with respect to the vehicle wash bay. Design vehicle wastewater and containment system to be directed to an oil-water separator and sanitary sewer system.
- 3.10. Observe the excavation of deep test pits and install groundwater monitoring wells to determine seasonally high groundwater for the purposes of design stormwater treatment practices. Monitor groundwater elevations on eight occasions between January and April 2023.
- 3.11. Determine water quality treatment volume based on site impervious coverage and design stormwater treatment practices in accordance with the CTDEEP Stormwater Quality Manual.
- 3.12. Coordinate review of proposed site improvements by the project Landscape Architect for the purposes of their development of a Landscaping Plan.
- 3.13. Perform design of water distribution system.
- 3.14. Perform design of sanitary sewer system including grinder pump station.



Mr. Andrew J. Tierney, Town Manager
Town of Hebron
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- 3.15. Coordinate review of proposed site improvements by the project wetland scientist and incorporate recommendations for wetland buffer plantings and stormwater basin plantings.
- 3.16. Prepare a computer-generated preliminary design drawing set utilizing AutoCAD 2023 or later version and our English unit CAD standards. It is anticipated that the following drawing sheets will be prepared:
 - Existing Condition Plans
 - Site Layout Plans
 - Grading and Civil Utility Plans
 - Landscaping Plan
 - Site Details and Notes
- 3.17. Submit drawings to Town for review.
- 3.18. Attend one meeting with Town staff.
- 3.19. Make necessary plan revisions.

Task 4: Integrated Project Design

- 4.1. Review stormwater designs for Tasks 1-3 and prepare a comprehensive stormwater management plan for the integrated site.
- 4.2. Coordinate review of proposed site improvements with the project Landscape Architect for the purposes of their development of a Landscaping Plan.
- 4.3. Consult with project wetland scientist regarding wetland buffer and stormwater basin plantings and incorporate recommendations into the project plans.
- 4.4. Prepare integrated project drawings to develop an overall comprehensive plan set incorporating all elements of the project. Drawing set to include all relevant drawings from Tasks 1-3 along with the following drawings:
 - Cover Sheet
 - Overall Site Plan
 - Stormwater Pollution Prevention Control Plan
 - Construction Phasing Plan
- 4.5. Submit plans and meet with Town Staff and utility companies to review integrated project design.
- 4.6. Submit plans to CTDEEP and CTDOH for review and comment to the extent that they will review without a formal permit application.
- 4.7. Make necessary plan revisions based on Town and agency comments.



Mr. Andrew J. Tierney, Town Manager
Town of Hebron
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Task 5: Pre-Referendum Tasks

- 5.1. Prepare a preliminary opinion of probable construction costs for all site improvements.
- 5.2. Prepare for and present the project at one (1) meeting of the Hebron Inland Wetlands Commission.
- 5.3. Prepare for and present the project at one (1) meeting of the Hebron Planning and Zoning Commission.
- 5.4. Prepare for and present the project at two (2) Board of Selectman / Public informational meetings (two meetings total).
- 5.5. Revise plans once based on feedback from Town Boards, involved agencies and public comments.
- 5.6. Revise preliminary opinion of probable construction costs based on plan revisions.
- 5.7. Prepare for and present the project at one (1) final pre-referendum public informational meeting.

We understand that the Town will provide and/or pay for the following:

1. Information in the Town's possession, or which can reasonably be obtained, that is pertinent to the proposed work described herein above and that would be helpful in performing our services.
2. Backhoe, operator, and materials for excavation of test pits and installation of groundwater monitoring wells as required and take weekly readings during the monitoring period.
3. The cost of reproduction for municipal services or for purposes other than our own internal design work (the cost of reproduction for design work is already included in our basic services).

We propose to provide our services for this project and any other additional services beyond the services defined in the tasks above, as authorized by the Town, on an hourly rate basis plus reimbursement for out-of-pocket expenses with no mark-ups. No allowance for additional services has been included in the budgeted fees listed below. The fee shall be based on the 2023 hourly rates listed below for the type of personnel involved in performing the service multiplied by the total hours devoted to performing said services by each type of personnel.



Jacobson

Mr. Andrew J. Tierney, Town Manager
Town of Hebron
RE: Proposal for Engineering Design Services
New Department of Public Works Facility and
Extension of John Horton Boulevard
Hebron, Connecticut

December 14, 2022
Page 9 of 10

Hourly Rates for Services Rendered

<u>Personnel Category</u>	<u>Hourly Rate</u>
Principal Engineer, P.E.	\$163-\$170/hr
Senior Engineer, P.E.	\$139-\$142/hr
Staff Engineer	\$100-\$111/hr
Licensed Surveyor, L.S.	\$158/hr
Geologist/Environmental Analyst	\$135-\$145hr
Inspector	\$110-\$118/hr
CADD Technician	\$107-\$114/hr
Survey Crew	\$191.00/hr
Technical Assistant	\$66/hr

We propose to provide our services for the following estimated Total Budget Fee as shown below:

<u>Professional Service or Expense</u>	<u>NLJA</u>	<u>Consultant/Expenses</u>	<u>Task Total</u>
Task 1:			\$49,300
Nathan L. Jacobson & Associates, Inc.	\$35,300		
Land Survey & Technical Services, Inc.		\$4,000	
Wolti Geotechnical Associates, P.C.		\$10,000	
Task 2:			\$21,700
Nathan L. Jacobson & Associates, Inc.	\$19,400		
LADA, P.C.		\$2,300	
Task 3:			\$48,200
Nathan L. Jacobson & Associates, Inc.	\$45,700		
LADA, P.C.		\$1,900	
New England Environmental Services, Inc.		\$600	
Task 4:			\$18,800
Nathan L. Jacobson & Associates, Inc.	\$16,700		
LADA, P.C.		\$1,500	
New England Environmental Services, Inc.		\$600	
Task 5:			\$37,000
Nathan L. Jacobson & Associates, Inc.	\$32,700		
LADA, P.C.		\$4,300	
Total Budget Fee	\$149,800	\$25,200	\$175,000

We will not exceed this estimate without prior written authorization.



Jacobson

Mr. Andrew J. Tierney, Town Manager
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RE: Proposal for Engineering Design Services
New Department of Public Works Facility and
Extension of John Horton Boulevard
Hebron, Connecticut

December 14, 2022
Page 10 of 10

In providing services under this agreement, Nathan L. Jacobson & Associates, Inc. will endeavor to perform in a manner consistent with the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

If this proposal is acceptable to you, please sign below and return a copy for our records. Should you have any questions or need any additional information, please feel free to contact me.

Sincerely,

NATHAN L. JACOBSON & ASSOCIATES, INC.

Thomas H. Fenton, P.E.
Principal Engineer

THF/thf

cc: DocStar

L:\06480052 HDPW\HDPW Proposal\November 2022\12-14-22 Tierney Proposal for Engineering Design Services.docx

Accepted: Town of Hebron, CT

(Authorized Signature)

(Print Name)

Date: _____

CAPITAL PROJECTS/INFRASTRUCTURE REQUEST

Request Prepared By: Kevin Kelly

Contact Person for Questions: Kevin Kelly

Department: Public Works

Date Prepared: 09/22/22

1. Project Title: Truck 52

2. Department Priority:

2

3. Purpose of Project Request Form (check one)

<input type="checkbox"/> Add a new item to the program	<input type="checkbox"/> Continue a CIP request in the same year
<input checked="" type="checkbox"/> Modify a project already in the program	<input type="checkbox"/> Delete an item already a part of the program

4. Location: Public Works Department

5. Description: Replace T-52 (Small Dump Truck)

(If this request is part of a regular equipment replacement program, please attach a copy of that schedule.)

6. Justification and Useful Life: Replace due to age

7. Requested Cost Estimates for:

2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
\$ 226,956.00					

If your estimate is indexed for inflation, indicate the adjustment percent (%) used or method of deriving the calculated future cost:

8. Project Cost Summary:

Equipment Acquisition:	
Property Acquisition:	
Planning / Engineering / Legal:	
Construction:	
Furnishings / Equipment:	
Contingency / Other:	
TOTAL COST:	\$ 226,956.00

9. Recommended Method of Financing:

Taxes / Current revenues:	%
Grants:	
Finance - Lease:	
Bonds:	
Capital reserve:	
Other:	
TOTAL FINANCING:	\$ 226,956.00

10. Please review the funding priorities in the CIP Policy Document. What priority(ies) does your request fall under and write a brief description as to how your request meets the CIP criteria for priority funding.

11. If the project funding is over several years, outline the schedule for completing the project, and what work has been done in prior years, including studies or other planning.

12. Reserved:

CIP Action:

Funding Recommendation:

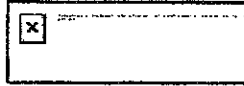
BOS Action:

BOF Action:

Town Manager Review: / /

(complete one sheet for each request)

Prepared for:
Kevin Kelly
Town of Hebron
550 Old Colchester Rd
Hebron, CT 06248
Phone: 860-228-2871
Mobile: 860-608-2976
E-Mail: kkelly@hebronct.com



Prepared by:
Greg Martinotti
FREIGHTLINER OF HARTFORD
222 ROBERTS STREET
EAST HARTFORD, CT 06108
Phone: 860-559-9547
E-Mail: GREG@FOHCT.COM

A proposal for
TOWN OF HEBRON

Prepared by
FREIGHTLINER OF HARTFORD
Greg Martinotti

Oct 25, 2022

Freightliner 114SD
Single Axle Plow Truck w/ ES Body Package
Per State Contract #: 14PSX0239

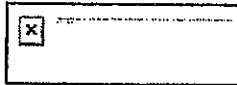
Components shown may not reflect all spec'd options and are not to scale

Hebron DOT SA Auto Chalmers - L9 24
MY



10/25/2022 8:54 AM

Prepared for:
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Q U O T A T I O N
SINGLE AXLE PLOW TRUCK W/ ES BODY PACKAGE
PER STATE CONTRACT #: 14PSX0239

114SD CONVENTIONAL CHASSIS

SET FORWARD AXLE - TRUCK
 CUM L9 370 HP @ 2100 RPM; 2100 GOV RPM, 1250 LB-
 FT @ 1200 RPM
 ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
 PTO PROVISION
 RS-30-185 30,000# U-SERIES SINGLE REAR AXLE
 CHALMERS 1030 30,000# REAR SUSPENSION
 DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP
 SINGLE FRONT AXLE
 20,000# TAPERLEAF FRONT SUSPENSION

114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
 CAB
 4725MM (186 INCH) WHEELBASE
 7/16X3-9/16X11-1/8 INCH STEEL FRAME
 (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
 1600MM (63 INCH) REAR FRAME OVERHANG
 PARTIAL INNER FRAME REINFORCEMENT AT FRONT
 SUSPENSION
 TEM TO EVALUATE AND INSTALL FRAME RAIL
 REINFORCEMENT AS NEEDED FOR FRONT
 FRAME MOUNTED EQUIPMENT

		PER UNIT	TOTAL
ITEM #: 1A	TOTAL # OF UNITS (1)	\$ 109,243.56	\$ 109,243.56
ITEM #: 1H		\$ 18,459.46	\$ 18,459.46
ITEM #: 1J		\$ 128,505.00	\$ 128,505.00
CUSTOMER PRICE BEFORE TAX		\$ 256,208.02	\$ 256,208.02
TRADE-IN			
TRADE-IN ALLOWANCE		\$ (0)	\$ (0)
BALANCE DUE	(LOCAL CURRENCY)	\$ 256,208.02	\$ 256,208.02

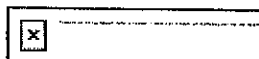
COMMENTS / OPTIONS FOR CONSIDERATION:

- Body proposal pricing valid for orders received BY November 22, 2022. Beyond that date the package pricing may need to be updated due to market instability.

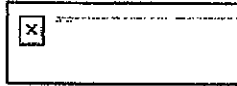
APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___



Prepared for:
 Kevin Kelly
 Town of Hebron
 550 Old Colchester Rd
 Hebron, CT 06248
 Phone: 860-228-2871
 Mobile: 860-608-2976
 E-Mail: kkelly@hebronct.com

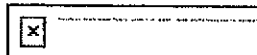


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S P E C I F I C A T I O N P R O P O S A L

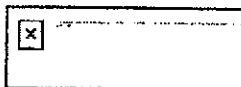
Description	Weight Front	Weight Rear
Vehicle Configuration		
114SD CONVENTIONAL CHASSIS	7,934	6,476
2024 MODEL YEAR SPECIFIED		
SET FORWARD AXLE - TRUCK		
TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
LH PRIMARY STEERING LOCATION		
General Service		
TRUCK/TRAILER CONFIGURATION		
DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
UTILITY/REPAIR/MAINTENANCE SERVICE		
GOVERNMENT BUSINESS SEGMENT		
DIRT/SAND/ROCK COMMODITY		
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
FREIGHTLINER LEVEL II WARRANTY		
EXPECTED FRONT AXLE(S) LOAD: 20000.0 lbs.		
EXPECTED REAR DRIVE AXLE(S) LOAD: 27120.0 lbs.		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 47120.0 lbs.		
EXPECTED GROSS COMBINATION WEIGHT: 70000.0 lbs.		
Truck Service		
FRONT PLOW/END DUMP BODY		
EXPECTED TRUCK BODY LENGTH: 10.0 ft		
EXPECTED TRUCK BODY WIDTH: 96.0 in		
BRAKING-EXPECTED CAB TO BODY CLEARANCE: 3.0 in		
Engine		
CUM L9 370 HP @ 2100 RPM; 2100 GOV RPM, 1250 LB-FT @ 1200 RPM	-850	-70
Electronic Parameters		

Hebron DOT SA Auto Chalmers - L9 24
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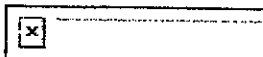
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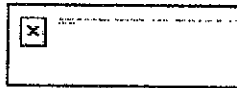


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Description	Weight Front	Weight Rear
66 MPH ROAD SPEED LIMIT		
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT - 2100 RPM		
PTO RPM WITH CRUISE SET SWITCH - 900 RPM		
PTO RPM WITH CRUISE RESUME SWITCH - 900 RPM		
PTO MODE CANCEL VEHICLE SPEED - 30 MPH		
PTO GOVERNOR RAMP RATE - 100 RPM PER SECOND		
FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
PTO MINIMUM RPM - 700		
REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment		
2010 EPA/CARB/GHG21 CONFIGURATION		
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
STANDARD OIL PAN		
ENGINE MOUNTED OIL CHECK AND FILL		
SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
DR 12V 160 AMP 36-SI BRUSHLESS QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	10	
(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES		
BATTERY BOX FRAME MOUNTED		
STANDARD BATTERY JUMPERS		
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
NON-POLISHED BATTERY BOX COVER		
CAB AUXILIARY POWER CABLE	5	
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2	
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		



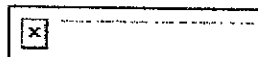
Prepared for:
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Description	Weight Front	Weight Rear
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH	80	
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
6 GALLON DIESEL EXHAUST FLUID TANK	-35	-10
100 PERCENT DIESEL EXHAUST FLUID FILL		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON-ENGINE MOUNTED		
CUMMINS SPIN ON FUEL FILTER		
COMBINATION FULL FLOW/BYPASS OIL FILTER		
FLEETGUARD PLAIN COOLANT FILTER		
1300 SQUARE INCH ALUMINUM RADIATOR	-50	
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
RADIATOR DRAIN VALVE		
PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
ELECTRIC GRID AIR INTAKE WARMER		

Hebron DOT SA Auto Chalmers - L9 24 MY



10/25/2022 8:54 AM

Prepared for:
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Description	Weight Front	Weight Rear
DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	-45	

Transmission

ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 146 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS

ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES

PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

S1 PERFORMANCE SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

2100 RPM PRIMARY MODE SHIFT SPEED

2100 RPM SECONDARY MODE SHIFT SPEED

FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED

DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES

DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS

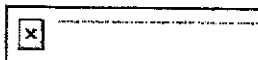
MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1000 RPM

MAXIMUM ENGINE SPEED FOR PTO OPERATION 3000 RPM

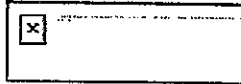
MAXIMUM OUTPUT SPEED FOR PTO ENGAGEMENT 3000 RPM - ALLISON 5TH GEN TRANSMISSIONS

MAXIMUM OUTPUT SPEED FOR PTO OPERATION 4000 RPM - ALLISON 5TH GEN TRANSMISSIONS

VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT FIREWALL



Prepared for:
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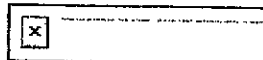
Prepared by:
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Description	Weight Front	Weight Rear
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION ALLISON & EATON FULLER		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
TRANSMISSION PROGNOSTICS - ENABLED 2013		
WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK	-15	
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

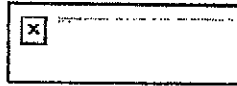
DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190	
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
NON-ASBESTOS FRONT BRAKE LINING		
CONMET CAST IRON FRONT BRAKE DRUMS		
FRONT BRAKE DUST SHIELDS	5	
FRONT OIL SEALS		
STEMCO SERIES 350 ALUMINUM FRONT HUB CAPS WITH WINDOW AND REMOVABLE BLUE SENTINEL ESP VENT PLUGS - OIL		
STANDARD SPINDLE NUTS FOR ALL AXLES		
FRONT BRAKE CHAMBERS - MGM LONGSTROKE		
HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
STANDARD KING PIN BUSHINGS		
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
POWER STEERING PUMP		
4 QUART POWER STEERING RESERVOIR		
OIL/AIR POWER STEERING COOLER MOUNTED ABOVE FRONT CLOSING CROSSMEMBER	5	

Hebron DOT SA Auto Chalmers - L9 24 MY



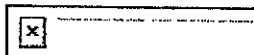
10/25/2022 8:54 AM

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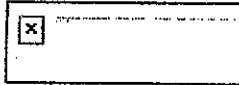


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 Phone: 860-559-9547
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Description	Weight Front	Weight Rear
CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension		
20,000# TAPERLEAF FRONT SUSPENSION	200	
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
RS-30-185 30,000# U-SERIES SINGLE REAR AXLE		-2,070
6.14 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	5	5
DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <25 MPH		
MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20
NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
WEBB CAST IRON REAR BRAKE DRUMS		100
REAR BRAKE DUST SHIELDS		5
REAR OIL SEALS		
MGM TR-T LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
ARVINMERITOR METAL/COMPOSITE FITTING AND U-TUBE REAR AXLE BREATHER(S)		
Rear Suspension		
CHALMERS 1030 30,000# REAR SUSPENSION		180
CHALMERS 1030 SERIES - 9.37-inch RIDE HEIGHT		

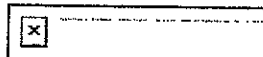


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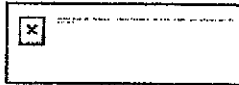


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Description	Weight Front	Weight Rear
FORE/AFT CONTROL RODS		
REAR SHOCK ABSORBERS - ONE AXLE		
Brake System		
WABCO 4S/4M ABS WITH TRACTION CONTROL, WITH ATC OFF-ROAD SWITCH		
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
FIBER BRAID PARKING BRAKE HOSE		
STANDARD BRAKE SYSTEM VALVES		
STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
STD U.S. FRONT BRAKE VALVE		
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
WABCO OIL COALESCING FILTER FOR AIR DRYER		
AIR DRYER MOUNTED INBOARD ON LH RAIL		
ALUMINUM AIR BRAKE RESERVOIRS; CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL		
MOUNT PERP TANKS ON RH RAIL AS FAR AFT AS POSSIBLE. MOUNT THIRD TANK RH IN RAIL		
PULL CABLES ON ALL AIR RESERVOIRS WITH KEY RING TYPE ATTACHMENT		
Trailer Connections		
AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND DUST COVERS		
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
UPGRADED CHASSIS MULTIPLEXING UNIT		
Wheelbase & Frame		
4725MM (186 INCH) WHEELBASE		
7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	90	190
PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	180	

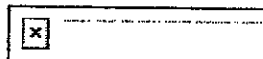


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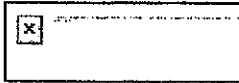


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Description	Weight Front	Weight Rear
TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT		
1600MM (63 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
24 INCH INTEGRAL FRONT FRAME EXTENSION	140	-20
CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 102.56 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 99.56 in		
CALC'D FRAME LENGTH - OVERALL: 300.71 in		
CALCULATED FRAME SPACE LH SIDE: 61.81 in		
CALCULATED FRAME SPACE RH SIDE: 50.01 in		
SQUARE END OF FRAME		
REAR TOW HOOKS		10
FRONT CLOSING CROSSMEMBER		
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER		
STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment		
16.5 INCH PAINTED STEEL STRAIGHT BUMPER		
BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
Fuel Tanks		
70 GALLON/264 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	15	5
RECTANGULAR FUEL TANK(S)		
PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
FUEL TANK(S) FORWARD		
PLAIN STEP FINISH		
FUEL TANK CAP(S)		
DAVCO 245 FUEL/WATER SEPARATOR WITH 12 VOLT HEAT AND WATER IN FUEL SENSOR	20	
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		

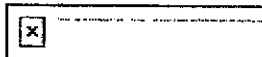


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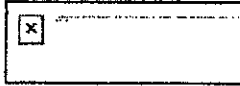


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Description	Weight Front	Weight Rear
Tires		
MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
MICHELIN XDS 12R22.5 16 PLY RADIAL REAR TIRES		156
Hubs		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
WEBB IRON REAR HUBS		280
Wheels		
ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66	
ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		52
FRONT TIRE/DISC WHEEL STATIC BALANCING WITH LEAD-FREE WEIGHTS		
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		
Cab Exterior		
114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
AIR CAB MOUNTING		
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
FRONT FENDERS		
3-1/2 INCH FENDER EXTENSIONS	15	
LH AND RH GRAB HANDLES		
BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL		
STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS		
CHROME HOOD MOUNTED AIR INTAKE GRILLE		
FIBERGLASS HOOD		
HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5	
SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK		
SINGLE ELECTRIC HORN		
SINGLE HORN SHIELD		
REAR LICENSE PLATE MOUNT END OF FRAME		
HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT BEZELS		



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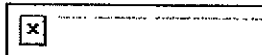


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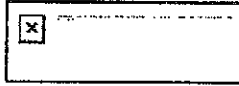
Description	Weight Front	Weight Rear
LED AERODYNAMIC MARKER LIGHTS		
HEADLIGHTS ON WITH WIPERS, WITH LOW BEAM DAYTIME RUNNING LIGHTS		
INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
STANDARD FRONT TURN SIGNAL LAMPS		
DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
DOOR MOUNTED MIRRORS		
102 INCH EQUIPMENT WIDTH		
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
RH AND LH 8 INCH HEATED STAINLESS-STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	12	
STANDARD SIDE/REAR REFLECTORS		
RH AFTERTREATMENT SYSTEM CAB ACCESS WITH POLISHED DIAMOND PLATE COVER		
COMPOSITE EXTERIOR SUN VISOR	10	
63X14 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	
LOWER RH DOOR WINDOW WITH FRESNEL LENS	7	
1-PIECE BONDED HEATED WIPER PARK SOLAR GREEN GLASS WINDSHIELD		
8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		

Cab Interior

OPAL GRAY VINYL INTERIOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
BLACK MATS WITH SINGLE INSULATION		
DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
NO FORWARD ROOF MOUNTED CONSOLE	-10	

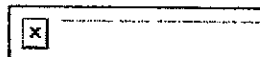


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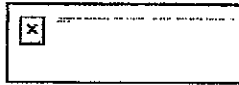


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Description	Weight Front	Weight Rear
CENTER STORAGE CONSOLE MOUNTED ON BACKWALL	20	
(2) CUP HOLDERS LH AND RH DASH		
GRAY/CHARCOAL WING DASH		
SMART SWITCH EXPANSION MODULE		
2-1/2 LB. FIRE EXTINGUISHER	5	
HEATER, DEFROSTER AND AIR CONDITIONER		
STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE		
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
STANDARD PLUMBING WITH BALL SHUTOFF VALVES AND INSULATED LINES		
VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
BINARY CONTROL, R-134A		
PREMIUM INSULATION		
SOLID-STATE CIRCUIT PROTECTION AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM		
DOMED DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
KEY QUANTITY OF 2		
LH AND RH ELECTRIC DOOR LOCKS		
(1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH		
TRIANGULAR REFLECTORS WITHOUT FLARES	10	
PREMIUM ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	70	
BASIC ISRINGHAUSEN HIGH BACK NON-SUSPENSION TOOL BOX PASSENGER SEAT		
DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4	
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK MORDURA CLOTH DRIVER SEAT COVER		
BLACK MORDURA CLOTH PASSENGER SEAT COVER		
BLACK SEAT BELTS		



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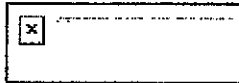


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Description	Weight Front	Weight Rear
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		
Instruments & Controls		
GRAY DRIVER INSTRUMENT PANEL		
GRAY CENTER INSTRUMENT PANEL		
BLACK GAUGE BEZELS		
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
ENGINE COMPARTMENT MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS, WITH WARNING LIGHT IN DASH		
87 DECIBELS TO 112 DECIBELS AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3
ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)		
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
2 INCH ELECTRIC FUEL GAUGE		
PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP	10	
ELECTRIC ENGINE OIL PRESSURE GAUGE		
OVERHEAD INSTRUMENT PANEL		
SMARTPLEX HUB MODULE WITH OVERHEAD SWITCH MOUNTING, DRIVER SIDE AND CENTER CONSOLE (12 SWITCH SLOTS)	44	

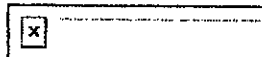


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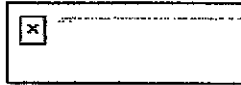


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Description	Weight Front	Weight Rear
CUSTOMER FURNISHED DIN RADIO PACKAGE	5	
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		
POWER AND GROUND WIRING PROVISION OVERHEAD		
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
NO VEHICLE PERFORMANCE MONITOR	-5	
IGNITION SWITCH CONTROLLED ENGINE STOP		
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH		
7 ON/OFF LATCHING SMARTPLEX SWITCHES		
1 ON/OFF MOMENTARY SMARTPLEX SWITCH		
BODY UP AND GATE OPEN SMARTPLEX INDICATOR LAMPS		
0-RED, 1-AMBER, 1-GREEN SMARTPLEX INDICATOR LAMPS		
BW TRACTOR PROTECTION VALVE		
TRAILER HAND CONTROL BRAKE VALVE		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET		
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS		
TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		



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Description	Weight Front	Weight Rear
Color		
CAB COLOR A: L6389EY OMAHA ORANGE ELITE EY		
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
STANDARD BLACK BUMPER PAINT		
SUNVISOR PAINTED SAME AS CAB COLOR A		
STANDARD E COAT/UNDERCOATING		

Extended Front Axle Coverage

AXLE: DETROIT FRONT ONLY: HD MODERATE 5 YEARS/100,000 MILES/161,000 KM EXTENDED AXLE COVERAGE

Certification / Compliance

U.S. FMVSS CERTIFICATION
 AFTER-MARKET BLUETOOTH RADIO SYSTEM WITH (2) TWO ADDITIONAL SPEAKERS MOUNTED IN BACK CORNERS OF CAB
 HEAVY-DUTY REMOVABLE RUBBER SLUSH CATCHING FLOOR MATS
 HEATED WIPER BLADES

Secondary Factory Options

CORPORATE PDI CENTER OPTION INSTALLATION/MODIFICATION ONLY

TOTAL VEHICLE SUMMARY

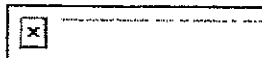
Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight [†]	8462 lbs.	5367 lbs.	13829 lbs.
Total Weight [†]	8462 lbs.	5367 lbs.	13829 lbs.

Extended Warranty

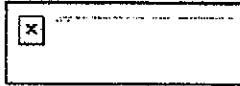
CUMMINS ENGINE CARB22: L9 HD1 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM EXTENDED WARRANTY. FEX APPLIES

Hebron DOT SA Auto Chalmers - L9 24 MY



10/25/2022 8:54 AM

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TC4: US HD STANDARD/MODERATE VOCATIONAL 7 YEARS/100,000
MILES/161,000 KM EXTENDED TRUCK COVERAGE
ALLISON 3000 RDS SERIES TRANSMISSION EXTEND WARRANTY, 5
YEARS/UNLIMITED MILES FEX
AXLE: NON-DETROIT SINGLE REAR ONLY: HD MODERATE 5
YEARS/100,000 MILES/161,000 KM EXTENDED COVERAGE
TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$750 CAP FEX APPLIES

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

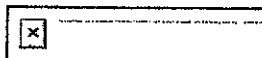
(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.

Body Package

BODY:

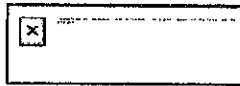
- TENCO MODEL 12M-10-ES All Season Body
- Constructed of 3/16" Hardox 450 205,000 Psi and STAINLESS-STEEL Throughout
- Hardox 450 205,000 PSI Sides, Floor, Chain Cover, Headboard, & Tailgate
- STAINLESS STEEL BOLT-IN CONVEYOR SYSTEM with Hardox 450 Wear plate
- STAINLESS STEEL BODY HYDRAULIC LINES
- STAINLESS STEEL REAR CORNERPOSTS
- STAINLESS STEEL SPINNER BRACKET & INSTALL TUBE
- C-Channel underbody crossmembers
- 6 Cubic Yard Capacity level
- Three Section Bolt-on Pillow Block Floor Hinge
- COMPLETE Grease Manifold
- 4" Two Stage Telescopic Main Dump
- 30" Cab shield fully Reinforced
- DOT Ladder on left side
- Six Panel Air-Tailgate
- COAL DOOR EXTREME LEFT
- Bolt-on Asphalt Apron
- Grease Actuators for Chain Tensioning
- Two (2) 3-1/2" X 22" Side Dump Cylinders 19 Ton Capacity
- Step Over Conveyor Gear Box for Operator access
- Shovel Holder with Snap Pin
- Conspicuity & Safety Tape
- Front & Rear Mud Flaps
- Center Flap to protect Brake Chambers

Hebron DOT SA Auto Chalmers - L9 24
MY



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PLOW FRAME:

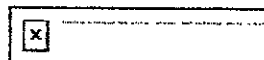
- MONROE Custom Hitch
- 4" X 10" DA Lift Cylinder
- Multiple Push Points at 21" & 30.5" Ctrs
- Plow Relief Circuit for Ease of Plow Disconnect
- Aluminum Tread-Plated Bumper to Plow Frame
- Plow Frame to be HUCK BOLTED

PLOW:

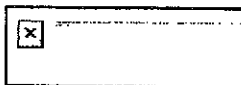
- HENKE 36R11-Full Trip Plow
- Push-beam: 4" x 4" x 3/8" x 119.5" long
- A-Frame: all structural channel with heavy duty pivot pin and bushing
- (ECT) external compression with (3) adjustable layback positions
- 4" DA Rev Cylinders with Cushion Valve
- 5/8" Cutting Edge
- Rubber Flap
- CABLE Lift
- 30.5" PIN-IN Swivel
- Parking Jack

HYDRAULIC SYSTEM:

- 37 Gallon Hydraulic Reservoir with Sight/Temp gauge
- Hydraulic Filter with indicator
- Low Oil Alert Light and Alarm with Low Oil Shutdown
- 2" Ball Valve shut-offs
- Suction Line Strainer
- 75cc Variable Displacement Pump
- HOT-Shift Wet-Spline PTO via Allison 3000 series & Chassis-supplied Switch
- Five (5) Bank FORCE AMERICA ADD-A-STACK ELECTRIC PROPORTIONAL-ACTUATED Load Sense Valve System –
- FORCE AMERICA PATROL COMMANDER Control for Body and Plow Functions
- Mounted on Custom Reinforced Tower
- Cirrus Spread Smart Rx Spreader Control
- Toggle Style Panel built into Armrest
- 7" Screen
- GPS & Bridge Data for Data Transfer
- STAINLESS STEEL Valve Enclosure
- STAINLESS STEEL Hydraulic Manifold & 1/2" Stainless Steel Piping throughout utilizing Short Lengths of Hose & Swivel Fittings



Prepared for:
Kevin Kelly
Town of Hebron
550 Old Colchester Rd
Hebron, CT 06248
Phone: 860-228-2871
Mobile: 860-608-2976
E-Mail: kkelly@hebronct.com



Prepared by:
Greg Martinotti
FREIGHTLINER OF HARTFORD
222 ROBERTS STREET
EAST HARTFORD, CT 06108
Phone: 860-559-9547
E-Mail: GREG@FOHCT.COM

ELECTRICAL:

- Body LED ICC Lighting
- LED Spinner Light with In Cab Switch
- LED Load Light with In Cab Switch
- DUAL LED Spot Lights with In-Cab Switch
- ECCO LED Heated Plow Lights Mounted on Stainless Steel Brackets utilizing Chassis Plow Light Circuitry
- SoundOff Lighting Two (2) Front Amber Strobes in Cab Shield
- SoundOff Lighting Rear Corner post Amber Strobe; S/T/T; & Reverse
- Rear to also Include S/T/T & Reverse in each Corner post
- Allied Lighting to be tied into Factory Aux Switches
- PTO to be Switch to be Chassis-supplied
- Rearview Camera

PINTLE ASSEMBLY & LOAD COVER:

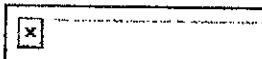
- 25 Ton Pintle Hitch on 3/4" Tow Plate, D-Rings, 7 Way RV Style Trailer Connector, Glad Hands
- Hydraulic Load Cover

MISCELLANEOUS:

- Automatic Tire Chains
- PRECISE Temp System via SpreadSmart Rx
- Poly Fenders
- Shovel & Crow Bar Holder
- Cone Holder
- 5" PVC Pipe-mounted for Collapsible Signs with Flat Bar Stock for Base Storage Signs

FINISH:

- Body Primed & Painted Single Stage Enamel
- BLACK ENAMEL on Plow Frame, Understructure of Body, & Pintle Assy
- ARMOURSEAL CHASSIS & BODY



CAPITAL PROJECTS/INFRASTRUCTURE REQUEST

Request Prepared By: Peter J. Starkel		Contact Person for Questions: _____ Peter J. Starkel			
Department: Fire		Date Prepared: 11/02/22			
1. Project Title: Rescue Pumper		2. Department Priority: 1			
3. Purpose of Project Request Form (check one)					
<input type="checkbox"/>	Add a new item to the program	<input type="checkbox"/>	Continue a CIP request in the same year		
<input checked="" type="checkbox"/>	Modify a project already in the program	<input type="checkbox"/>	Delete an item already a part of the program		
4. Location: Company 1 - 44 Main Street					
5. Description: Replace Rescue 110 with a combination Rescue Pumper. Reallocate \$150,000 originally planned for refurbishment of Engine 110 in fiscal year 24-25 to this project.					
(If this request is part of a regular equipment replacement program, please attach a copy of that schedule.)					
6. Justification and Useful Life: Useful life expectancy for this apparatus assuming proper maintenance would be 30 years.					
7. Requested Cost Estimates for:					
2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
\$ 300,000.00	\$ 450,000.00	\$ 150,000.00			
If your estimate is indexed for inflation, indicate the adjustment percent (%) used or method of deriving the calculated future cost:					
8. Project Cost Summary:			9. Recommended Method of Financing:		
Equipment Acquisition:			%		
Property Acquisition:			Taxes / Current revenues:		
Planning / Engineering / Legal:			Grants:		
Construction:			Finance - Lease:		
Furnishings / Equipment:			Bonds:		
Contingency / Other:			Capital reserve:		
TOTAL COST:			Other:		
			TOTAL FINANCING:		
10. Please review the funding priorities in the CIP Policy Document. What priority(ies) does your request fall under and write a brief description as to how your request meets the CIP criteria for priority funding.			11. If the project funding is over several years, outline the schedule for completing the project, and what work has been done in prior years, including studies or other planning.		
<p>Fire Department is proposing replacing Rescue 110 with a combination Rescue-Pumper.</p>			<p>12. Reserved:</p> <p>CIP Action:</p> <p>Funding Recommendation:</p> <p>BOS Action:</p> <p>BOF Action:</p>		

Town Manager Review: / /

(complete one sheet for each request)



Hebron Fire Department

Capital Improvement Program (CIP)

Fiscal Years 2023-2024

Replace Rescue 110 with Rescue Pumper

\$100,000
(\$800,000 Balance)

The Fire Department proposes replacing Rescue 110 with a combination Rescue Pumper. This would enable limited staffing to respond with a vehicle that provides both fire suppression and rescue capabilities. Company 1 previously did not have a Class A pumper, which was a concern from a fire protection standpoint. The primary attack piece out of that station was a ladder truck that only carries four hundred gallons of water and has an extremely limited number of operators. As a temporary solution to this problem, Squad 310, a 1998 KME Engine Tank, was relocated to Company 1. The aforementioned vehicle is our oldest Engine Tank and keeping it in rotation as a first line piece will reduce its service life. Our current heavy Rescue, which is located at Company 2 on Church Street, not where it is easily accessible in the center of town, is slated to be replaced (\$400,000) and in lieu of that, we feel this combination vehicle would enhance our service and better serve the Town. We are also withdrawing our plan to refurbish Engine 110 (\$150,000) with the desire to reallocate those funds to this project. Proceeds from the sale of the current Rescue truck could also be applied to this project.

The major apparatus manufacturers have several financing options, many of which include deferred payments for up to a year, which would allow the Town to spread out the purchase for minimal additional cost. There are also entities that exclusively provide custom financing options for public safety agencies and municipalities. Currently, wait times for apparatus from time of order are in the area of two years, so we would respectfully request that the Town consider alternative financing for the project balance, and allow us to move forward with this project in fiscal year 2023-2024.

CAPITAL PROJECTS/INFRASTRUCTURE REQUEST

Request Prepared By: Kevin Kelly

Contact Person for Questions: Kevin Kelly

Department: Public Works

Date Prepared: 09/22/22

1. Project Title: Jones Street Culvert Replacement

2. Department Priority:

4

3. Purpose of Project Request Form (check one)

<input checked="" type="checkbox"/>
<input type="checkbox"/>

Add a new item to the program
Modify a project already in the program

<input type="checkbox"/>
<input type="checkbox"/>

Continue a CIP request in the same year
Delete an item already a part of the program

4. Location: Jones Street

5. Description: Replacement of Culvert on Jones Street

(If this request is part of a regular equipment replacement program, please attach a copy of that schedule.)

6. Justification and Useful Life: Replace due to age

7. Requested Cost Estimates for:

2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
\$ 94,761.00					

If your estimate is indexed for inflation, indicate the adjustment percent (%) used or method of deriving the calculated future cost:

8. Project Cost Summary:

Equipment Acquisition:	
Property Acquisition:	
Planning / Engineering / Legal:	
Construction:	
Furnishings / Equipment:	
Contingency / Other:	
TOTAL COST:	\$ 94,761.00

9. Recommended Method of Financing:

	%
Taxes / Current revenues:	
Grants:	
Finance - Lease:	
Bonds:	
Capital reserve:	
Other:	
TOTAL FINANCING:	\$ 94,761.00

10. Please review the funding priorities in the CIP Policy Document. What priority(ies) does your request fall under and write a brief description as to how your request meets the CIP criteria for priority funding.

11. If the project funding is over several years, outline the schedule for completing the project, and what work has been done in prior years, including studies or other planning.

12. Reserved:

CIP Action:

Funding Recommendation:

BOS Action:

BOF Action:

Town Manager Review: / /

(complete one sheet for each request)



SAVY & SONS
*Building the future.
 Restoring the past.*

612 Church Street, Amston,
 Connecticut, United States, 06231
 (860) 500-6929
 savyandsons.com

COMPANY NAME Town of Hebron	TODAY'S DATE 11/10/2022
PROJECT ADDRESS Jones Street, Hebron, Connecticut, 06231	JOB ID 2211-776239-08
PROJECT NAME Hebron Jones rd Storm CIPP	PROJECT CONTACT Town of Hebron, Kevin Kelly
PROPOSAL COMPOSED BY Gino Padewski	SALES REP CONTACT NUMBER (860) 204-7479

Project Description

This proposal is for the Mainline CIPP installation of two separate CMP storm culvert lines on Jones St. in Hebron CT.

1) CCTV Camera Inspection:

An inspection will be completed before the project start.

2) Jetting and Cleaning:

As needed, per pipe camera inspection, we will use high-pressure hydro jetting to clean and sweep downstream any debris and/or clogged pipes and cut and descale blockages as discovered and necessary. anything other than roots/ rocks/ dirt and debris that cannot be removed using standard drain cleaning jetting and descaling equipment will require an additional Robotic cutting service below.

3) Robotic cutting/ reinstatement

After the cured in place pipe liner is installed inside the pipe, we will use our robotic cutting tools and equipment to cut out all tied in service laterals where we had lined over. This will put the entire piping system back in full use service.

The total number of reinstatements is to be determined once the final jetting and descaling is performed (as often build up and debris hide the reinstatements) And total number of reinstatements will be charged \$650 per reinstatement

-Individual Service Price:

\$650 each reinstatement X 0 estimated reinstatements = \$ 0 Included in project total cost below

4) Vacuum and Removal (Estimated not to be needed for this project)

If vacuum services are required in order for Savy & Sons to complete inspection and/or jetting services, the rates are listed below.

-Jet/ Vacuum Combo Truck With 2 Operators Rates:

- \$2,000 minimum charge for 4 hours port to port

- \$4,000.00 per day 8 hours port to port
- After 4 hour minimum charge, hourly rate will be charged at \$500/ hr
- Disposal Costs; \$195/ ton (non hazardous) \$235/ ton (hazardous), unless customer has a dump site. A 4 ton minimum load charge shall apply
- Traffic control rates (24 hr notice required for traffic control hiring): \$58.00 per hour (4 hour minimum)
- Services onsite exceeding 8 hours, price is subject to change

5)Mainline Repairs and Relining:

36" CMP with a length of 65'

There is approx. 10% repair needed to the Flow line before the CIPP installation.

S&S will bypass pump from the damn area that TOH installs before our arrival.

~Individual Service Price: \$52,396.00

30" CMP with a length of 40'

There is approx. 15% repair needed to the Flow line before the CIPP installation.

S&S will bypass pump from the damn area that TOH installs before our arrival.

~Individual Service Price: \$42,365.00

Project Specific Notes:

- Town of Hebron to provide traffic control
- Town of Hebron to install damming to prevent any water to enter the work area prior to S&S arriving, Savy and Sons will bypass pump from this damned area.
- Bypass pumping will cross the roadway at each location.
- Does not include job specific or necessary permit fees, once this proposal is signed, Savy & Sons will apply for permits and all associated costs will be added to the project total cost.
- CBYD will be performed before project start.
- If an on-site witness inspector is required for this service, a predetermined time of inspection must be planned prior to job start.

Savy and Sons will first locate all on site access points and or clean outs and CCTV (closed circuit television) and perform a pipe camera inspection. This inspection will determine the condition of the pipe and be recorded for documentation.

At this point we will assess and determine the repair and lining options as Savy & Sons can dig and replace or use trenchless technology to install Cured in Place Pipe systems. Savy and Sons are certified applicators of many Cured In Place Pipe systems that we will install.

Pipe Preparation and Reinstatement

All pipes will be cleaned and prepared to manufacture recommendations. Savy and Sons has top of the line pipe preparation and inspection equipment. All our technicians are fully trained on CCTV camera, Jetting, descaling and

robotic cutting equipment. Savy and Sons is NASSCO trained and stays up to date on the latest industry technologies.

CIPP Lining Solution CIPP (Cured In Place Pipe Lining) technology is a resin-saturated felt tube made of polyester, fiberglass cloth and resin impregnation. It is inverted with air or pulled into a damaged pipe. This system will create a monolithic seamless liner inside the pipe which increases original flow rate by eliminating all pipe joints and reducing friction . CIPP Lining is best suited for straight pipe runs but can be used for bends in some instances.

SIPP Lining Solution SIPP (Spray In Place Pipe Lining) technology is 100% Solids Epoxy resin that is spray/brush applied in multiple layers and provides a damp proof, corrosion resistant, wear-resistant lining. The lining thickness and material can be adjusted based on your specific project needs. We offer solutions for high heat, high pressure and even NSF/ANSI 61 potable water.

Both SIPP and CIPP application methods create little to no dig solutions making it a "Trenchless" technology. This makes for a cost effective and less disruptive method rather than the traditional "dig and replace" pipe repair methods. Both of these methods hold extreme chemical resistance.

Savy and Sons SIPP/ CIPP Warranty Both systems carry a full ten year warranty and have a 50 year life expectancy per ASTM- F 1216 Third Party Testing. Max flow temps not to exceed 140F. No cables/ drain snake type equipment to be used after liner is installed. Call Savy & Sons for all future service. Please see Savy and Sons Warranty for details. Custom warranty options are available at owners request.

Please Note: Savy and Sons will submit the video inspection report and written report to the customer.

Customer agrees to pay the inspection charge in full.

Total Project Cost \$94,761.00

Payment terms & conditions: A nonrefundable 50% down payment due before project start. Upon receiving invoice, customer agrees to pay the remaining 50% in full within 30 days of when customer receives invoice. **We accept checks or credit card for your convenience (3% additional merchant fee added to total invoice)** There will be a 2% **late fee** on any invoice not paid after 30 days, an additional 2% will be charged every 15 days thereafter. If invoice is 30 days delinquent, a bond claim will be filed. If invoice is 60 total days delinquent, a mechanics lien may be filed to enforce collection and buyer agrees to pay all costs accrued.

If Estimator was not made aware of prevailing wage rates and job becomes prevailing wage, additional charges may apply

Please Note:

1. Any project scheduled after November 1st may be subject to price increase due to below freezing weather conditions which require additional equipment and services.
2. Due to the current situation that COVID-19 and other circumstances beyond our control has caused, material pricing is only valid for 5 days upon receipt of this proposal . If any COVID-19 testing or specific protocol is required, pricing is subject to change.

This constitutes the full agreement between buyer and Savy & Sons, changes will only be executed upon written and signed orders and may result in change of costs. This proposal is valid for 5 days of proposal date.

Assumptions:

1. State Sales tax will be charged to the customer on all invoices unless a tax exempt certificate (ST-5 and ST-5C forms) is received.

2. Above quantities are for estimating purposes only. Actual quantities recorded in the field will be invoiced. We are assuming quantities/dimensions provided to us by customer. If quantities/dimensions are agreed upon, any work exceeding those number will be subject to additional charge. If there are any project changes the price is subject to change
3. Pricing assumes that any utilities are not active. If live utilities are found and restrict work from progressing, additional charges may be applied.
4. Owner to supply access to all safe openings, all necessary permits, police details and/or traffic control if needed. If parking is off-site, customer to provide temporary location for contractor to load/unload equipment.
5. If owner does not provide and accept responsibility of debris disposal, additional cost for debris disposal will be applied.
6. Any project concerns such as odors, noise, vibrations, dust, over-spray must be formally discussed prior to work. Any unexpected hold-points will be additional charge.
7. Check-in/Check-out/Orientation procedures to be disclosed by customer prior to proposal. Unexpected delays caused by undisclosed check-in/check-out/Orientation procedures will be additional charge.
8. Contractor projects hold a standard 1 year craftsmanship warranty. See warranty page for full details regarding Warranties. Executed warranty will be sent once completed and paid in full
9. All work will be performed during regular work hours unless otherwise noted.
10. Where applicable the owner will receive and store (or permit the contractor to store) within one hundred feet of the work area, and properly protect from damage or loss, the materials and equipment for carrying out this contract, and allow the contractor reasonable use of light, heat, water, power and available elevators, hoists etc. necessary to perform this contract as well as access to roof, if required.
11. Contractor will provide submittals and a Work Schedule prior to commencement of any work, if so required. Submittals and sample testing provided to the owner are a representative sample. Finish products may vary slightly in color, texture, etc.
12. Any alteration or deviation from above specification involving extra costs will be executed only upon a written change order and will become an extra charge over and above the contract price.
13. All pricing is based on all existing materials being non-hazardous and does not include any special removal or disposal costs associated with such.

GENERAL TERMS AND CONDITIONS

- I. General Conditions: These general conditions are incorporated by reference into the proposal and are part of the Agreement under which services are to be performed by the Contractor for the Customer.
- II. Customer Supplied Labor: Where the Customer supplies labor for the Contractor; the Customer will indemnify the Contractor for liability, loss or expense for work related injuries to the Customer's employees. The Customer agrees to waive all rights of subrogation against the Contractor arising out of the work in this Agreement.
- III. Damage Limitations: Under no circumstances will the Contractor be responsible for indirect, incidental or consequential damages. The Contractor also is not responsible for the rendering of or failure to render architectural, engineering or surveying professional services.
- IV. Preexisting Conditions: The Contractor will not be responsible for liability, loss or expense where the primary cause of the claim or damage is pre existing conditions including unsound concrete, faulty, inadequate or defective design, construction, maintenance or repair of property or contamination of the subsurface where the condition existed prior to the start of the Contractor's work. Customers are responsible for loss of service caused by the preexisting conditions at the jobsite.
- V. Environmental Conditions: The Customer represents and warrants to the Contractor that the debris relating to the work being done under this Proposal is non-hazardous, requiring no manifesting or special permitting. The Customer understands and agrees that it will be responsible for any additional costs or claims associated with any permitting, treatment, transport, storage or disposal of the removed debris, regardless if it is hazardous or non-hazardous.

VI. Indemnification: The Customer and Contractor will each indemnify the other for liability, loss and expense incurred by the other party resulting from a negligent act or omission in performance of work under this Agreement, or any breach of any provision of this Agreement. If both parties are jointly at fault, each will indemnify the other in proportion to their relative fault. The Customer will also indemnify Contractor for liability, loss and expense resulting from Contractor's services if the Contractor is acting at the direction or instruction of the Customer, or where the primary cause of any damages is due to information provided by the Customer, or for any environmental condition that arises as a result of the performance of the work under this Agreement. In the event of any litigation arising from or related to this Agreement, the prevailing party shall be entitled to recover from the non-prevailing party all reasonable attorneys' fees and costs incurred in such litigation.

VII. Entire Agreement: This proposal together with any written documents, which may be incorporated by specific reference herein, constitutes the entire agreement between the parties and supersedes all previous communications between them, either oral or written. The waiver by contractor of any term, condition or provision herein stated shall not be construed to be a waiver of any other term, condition or provision hereof.

By signing this proposal, you give Savy & Sons permission to feature this project anonymously on our website and advertising platforms as an informational awareness case study to help others.

By signing this proposal you are agreeing that our attached presented Certificate of Insurance meets your companies requirements and are accepted. Any added items to our Certificate of Insurance may be subject to a price change

Please sign and return via e-mail or fax before start of project.
Thank you for your consideration.

Signature Date

COMPANY NAME
Town of Hebron

PRINTED NAME
Kevin Kelly

CAPABILITY STATEMENT



SAVY & SONS
*Building the future.
Restoring the past.*

CT MCO. 0904007

Victoria & Ralph Savy - Partners

Company Overview

Savy & Sons is a family owned and operated third generation company. Our focus is on the repair and rehabilitation of piping and structural infrastructures, including but not limited to water and waste water systems, storm water systems, bridges, tanks, culverts and foundations. We currently provide services to Federal, State, County and Local. Municipalities, engineering firms, general contractors, property managers, water & wastewater management companies.

Core Competencies:

- Waterproofing solutions
- Water & Wastewater Rehabilitation
- Epoxy Coatings & Linings
- Infrastructure Restoration
- Pipe Lining Services
- Media Blasting
- Design / Build Solutions

DIFFERENTIATOR

- \$7,000,000 Bonding Capacity
- 20 plus years' experience in Infrastructure Restoration Services
- Provides customized design/ build solutions and implementation
- Trenchless No Dig Solutions
- 24/7 Emergency Services
- NACE Certified Inspectors
- NASSCO Certified

COMPANY DATA

Socio-Econ. Certifications
S/ MBE - Connecticut

SAM - Registration : Active
Business Size: Small Business
Accepts Credit Cards: Yes

NAICS Codes:

221310	Water Supply and Irrigation Systems
221320	Sewage Treatment Facilities
237110	Water and Sewer Line and Related Structures Construction
237120	Oil and Gas Pipeline and Related Structures Construction
237310	Highway, Street, and Bridge Construction
238140	Masonry Contractors
238190	Other Foundation, Structure, and Building Exterior Contractors
238910	Site Preparation Contractors
238990	All Other Specialty Trade Contractors
541990	All other Professional, Scientific and Technical Services
562219	Other Nonhazardous Waste Treatment Disposal
562910	Remediation Services
562991	Septic Tank and Related Services
562998	All Other Miscellaneous Waste Management Services

DUNS Number: 031363474 Cage Code: 8AW19

PAST PERFORMANCES

- **Greater New Haven Water Pollution Control Authority, CT** - Infrastructure Restoration, Epoxy Coating to Chamber- \$376,043- Duration: 9/14/20-9/18/20 ; POC Tom Sgroi - (203-401-9031) tsgroi@gnhwpc.com
- **Cromedy Construction, U.S. Fish and Wildlife Service, ME**- Infrastructure Restoration to Fish Rearing pools, Epoxy Coating to rearing pools. - \$489,937 - Duration - 7/29/20- 9/10/20 ; POC Art Napolitano (267-518-0822) Anapolitano@cromedyconstruction.com
- **Montville Water Pollution Control Authority, CT** - Manhole Infrastrucutre Restoration- Duration: 7/12/21-7/16/21 ; POC Derrick Albertson (860-886-3666) Dalbertson@montville-ct.org

Victoria & Ralph Savy - 612 Church St, Amston CT 06231 - (860) 500-6929
Tori@savyandsons.com - www.savyandsons.com



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
07/01/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Magnolia Agency 5 Essex Square Suite 2B Essex CT 06426	CONTACT NAME: Rich Varrato	PHONE (A/C, No, Ext): (860) 581-8165		FAX (A/C, No):
	E-MAIL ADDRESS: rich@magnoliainsagency.com			
INSURED Savy & Sons, LLC 612 Church Street Amston CT 06231	INSURER(S) AFFORDING COVERAGE			NAIC #
	INSURER A: Arch Insurance Company			11150
	INSURER B: Merchants National Insurance Company			23329
	INSURER C: Certain Underwriters at Lloyds			15792
	INSURER D:			
	INSURER E:			
INSURER F:				

COVERAGES CERTIFICATE NUMBER: CL2263000584 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

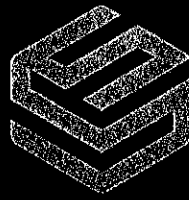
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR VVVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			ZAGLB1850401	07/01/2022	07/01/2023	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV. INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 Employee Benefits \$ 1,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			ZACAT1844701	07/01/2022	07/01/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED \$ RETENTION \$			EXL0002737-R	07/01/2022	07/01/2023	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	ZAWCI1813301	07/01/2022	07/01/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional/Pollution			B0621PSAVY000322	07/01/2022	07/01/2023	Aggregate 1,000,000 Each Occurrence 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER Information Only	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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SAVY & SONS

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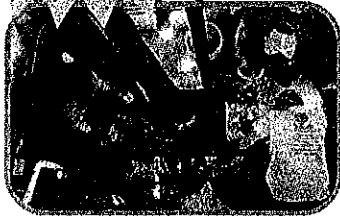


**OUR PROMISE IS TO
BUILD VALUE
into every project while
delivering professional expertise.**

**CALL NOW!
860.500.6929**

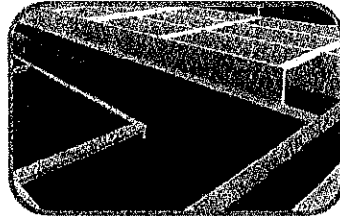
What We Do
WE'RE EXPERTS IN

**Emergency
Repair Services
Available**



WATERPROOFING SOLUTIONS

Elevator pits, dams, bridges, electrical conduits and foundation waterproofing. Mortar pumping and soil stabilization. Polyurethane & epoxy injection waterproofing systems.



WATER & WASTEWATER REHABILITATION

Wastewater invert experts. Structural rehabilitation, proactive maintenance and repair solutions.



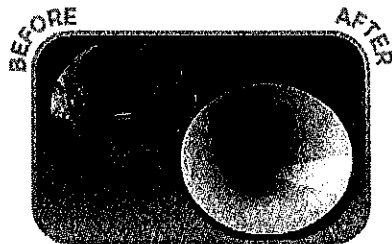
EPOXY COATINGS & LININGS

All application systems including potable water and chemical resistance. Fully trained and certified applicators.



INFRASTRUCTURE RESTORATION

Above and below ground infrastructure preventative maintenance and repair.



PIPE LINING SERVICES

CCTV Camera, Jetting & Pressure Testing. Pipe lining both CIPP & SIPP. All small and large diameter potable water, heat, pressure, sewer and stormwater pipes.



MEDIA BLASTING

A full menu of dustless blasting services to restore, clean, strip and prepare any surface. All types of blasting to meet your specific project needs.

ABOUT US.

Setting the quality standard for three generations, Savy & Sons is family owned and operated. With our service-first approach to all work and our own demanding standards, we've built a stellar reputation for quality craftsmanship and service.

We use the latest technologies and state-of-the-art equipment along with superior quality materials in the industry. Our focus is on repair and rehabilitation to provide effective, long-lasting solutions that address critical schedules, budgets, and environmental considerations. Municipalities, engineering firms, general contractors, property managers, water & wastewater management companies, just to name a few, have trusted us to build value into every project while delivering professional expertise.

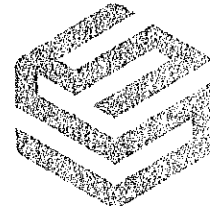
You will find unmatched customer service and solutions you won't find elsewhere!



612 Church Street, Anston, CT 06231
860.500.6929
savyandsons.com

MAIN LINE CURED-IN-PLACE-PIPE LINING

Many sewer, storm and underground utility lines are ran underground in the most heavy populated areas. These lines are usually hard to access and the repairs require expensive excavation and infrastructure repairs. Cured-In-Place-Pipe lining creates a new pipe within a pipe using trenchless technology resulting in minimal downtime and no excavation.



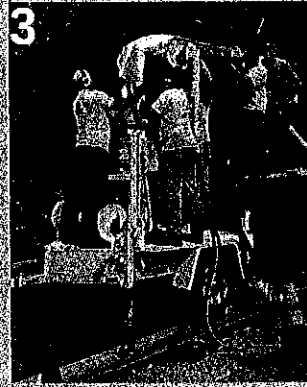
SAVY & SONS
*Building the future.
 Restoring the past.*



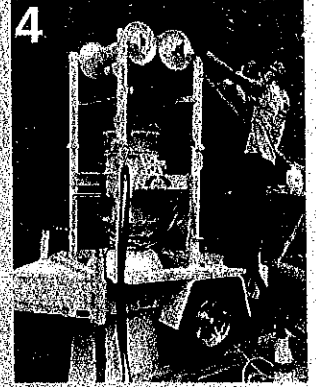
1 Blocked storm pipe



2 Liner material



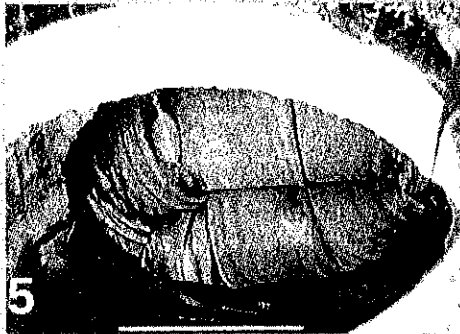
3 Feeding the liner into the inversion head



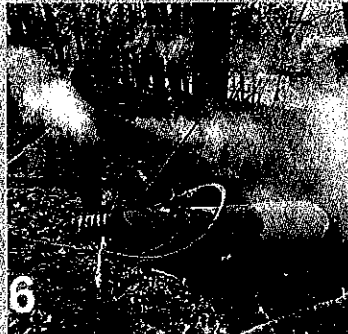
4 Inverting the liner

BENEFITS OF CURED-IN-PLACE-PIPE LINING REHABILITATION

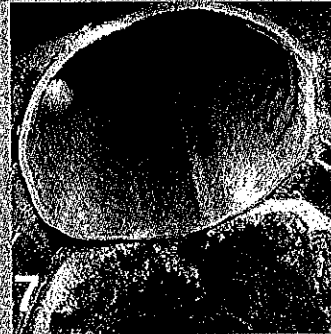
NSF 61 potable water / sewer / storm water / high heat / chemicals / high pressure
 Diameters as small as 1 ¼" through 36" and up with continuous lengths over 600 ft
 Heat pipe lining systems with max capacity of 302F constant
 Pressure pipe lining systems max capacity of 300 psi constant
 Commercial, Industrial, Municipal, Residential, High rise housing



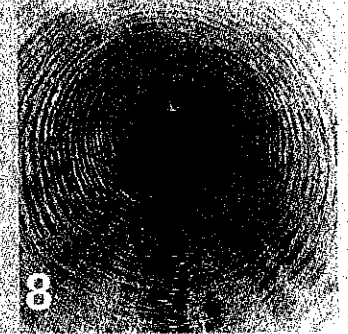
5 Liner inverting out the end of the pipe



6 Heat curing the liner



7 Cutting off the ends of the liner

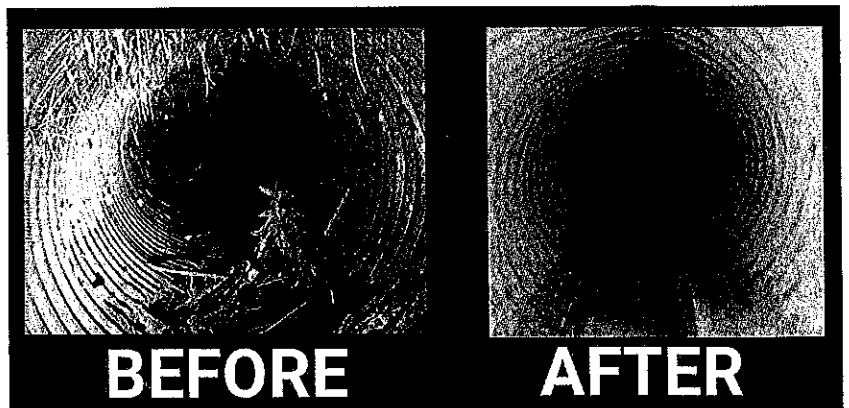


8 Newly lined pipe

DIG, NO EXCAVATION NEEDED!

30% less cost than traditional dig and replace
 CIPP Duration: 1 day VS. Dig & Replace: 3-5 days
 10+ year warranty & Minimum lifespan of 50 Years
 No asphalt patching after messy excavation

24/7 Emergency Services Available



BEFORE

AFTER