



# GREEN MECHANICS



## Our Resilient Team



70+ years  
Experience



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GREEN  
MECHANICS

115 Centerway  
P.O Box 217  
Greenbelt, MD 20770  
www.greenmechanics.co

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Mr. Purnell Hall  
Public Works Supervisor  
TOWN OF BLADENSBURG  
4229 Edmonston Road  
Bladensburg, Maryland 20710  
phall@bladensburgmd.gov

Dear Mr. Hall

May 1, 2025

Green Mechanics Benefit LLC is pleased to provide a cool green bus shelter implementation approach to the town of Bladensburg .

We are a team of dedicated professionals working in Maryland's green economy. We include Ecological Engineers, Landscape Architects, Environmental Educators and Innovators. Collectively we have great local knowledge, strong working municipal relationships and have carried out multiple similar projects for the public and private sectors. We are extremely well suited to deliver the services outlined in this proposal. The team will be led by myself, Larry Davis.

The project requires a diverse combination of skills and experience from the team and staffing resources. To respond to this challenge, our team is made up of diverse specialists with a deep partnering history working together on sustainable planning including living shorelines and other innovative stormwater management technologies. This gives us the expertise to integrate the goals of Bladensburg compliance goals.

We are grateful for this opportunity to present our proposal to you on this important project and are very happy to discuss any aspects of our proposal.

Yours sincerely,

Larry X. Davis  
Lead & Co-Founder

Green Mechanics Benefit LLC

## Executive Summary

Green Mechanics Benefit LLC, in partnership with Collins and Sons LLC, is proud to submit this proposal to deliver the Town of Bladensburg's Green Bus Shelter project. Together, our team combines award-winning expertise in sustainable infrastructure design, community-focused project management, and precision technical installation.

Green Mechanics will lead project oversight, grant compliance, and municipal coordination, ensuring that all federal, state, and local requirements are met with transparency and excellence. Collins and Sons LLC, under the leadership of Master Plumber and Eco Building Specialist Daniel Collins, will provide skilled field execution — installing reinforced concrete bases, assembling green-roof shelter structures, integrating solar panel systems, and establishing thriving vegetated roofs. Our combined strengths ensure a seamless, accountable, and high-quality build that not only meets the Town's sustainability goals but sets a new standard for community-centered green infrastructure. We are committed to delivering this project on schedule, on budget, and with the highest standards of craftsmanship, stewardship, and care.

## Green Mechanics Benefit LLC – Prime Contractor

### Proposal for Installation of Green Bus Shelters with Solar Green Roofs

#### Company Overview:

Green Mechanics Benefit LLC is a mission-driven environmental consulting and project management firm specializing in sustainable infrastructure, water management, and community-focused green initiatives. With extensive experience managing federally funded projects and facilitating public-private partnerships, Green Mechanics is uniquely positioned to deliver the Town of Bladensburg's Green Bus Shelter project with excellence, transparency, and innovation.

#### Installation Partner – Collins and Sons LLC (*Subcontractor: Daniel Collins*)

To ensure expert execution on-site, Green Mechanics is proud to partner with **Daniel Collins of Collins and Sons LLC**, a licensed Master Plumber, General Contractor, and Eco Building Specialist with over a decade of hands-on sustainable infrastructure experience.

As a subcontractor, Daniel brings a rare combination of technical mastery, field leadership, and systems-level thinking essential for delivering this project efficiently, safely, and in full compliance with federal and local guidelines.

#### Subcontractor Capabilities:

- **Versatile Leadership:** Adept at interfacing with municipal leadership, engineers, tradespeople, and community stakeholders to keep projects aligned and moving forward.

- **Hands-On Technical Skill:** Proficient in all phases of construction including reinforced concrete foundations, structural assemblies, solar panel integration, and green roof establishment.
- **Problem-Solving Excellence:** Identifies and resolves field bottlenecks proactively, ensuring seamless coordination between design intent and field realities.
- **Communication & Team Building:** Skilled at setting up site teams for success, translating technical documents into actionable site operations, and maintaining a positive, professional environment under project deadlines.
- **Applied Innovation:** Brings emerging eco-construction techniques and applied materials science into real-world projects, enhancing system resilience and long-term performance.
- **Compliance and Federal Project Experience:** Experienced in federally funded environmental projects, familiar with reporting, compliance, and QA/QC procedures.

**Role in the Green Bus Shelter Project:**

Daniel Collins and Collins and Sons LLC will act as the **Lead Installation Subcontractor**, responsible for:

- Installation of reinforced concrete bases per project specifications
- Assembly and secure installation of green roof shelter structures
- Solar panel mounting and integration (non-electrical connections)
- Vegetation installation and green roof establishment
- Site compliance with permitting, safety, and disruption minimization requirements
- Coordinating closely with Green Mechanics Benefit LLC and Town representatives to ensure project timelines, standards, and reporting needs are met

## Short Bio for Insertion

**Daniel Collins, Collins and Sons LLC** — Licensed Master Plumber, General Contractor, Eco Building Specialist. Over a decade of experience delivering sustainable infrastructure projects including stormwater management systems, water filtration facilities, eco retrofits, and public green infrastructure. Skilled in field leadership, technical installations, project troubleshooting, and cross-sector communication.

## Team Experience Overview

The collaboration between **Green Mechanics Benefit LLC** and **Collins and Sons LLC** creates a uniquely capable, full-spectrum project team for the Town of Bladensburg's Green Bus Shelter installation. Green Mechanics brings strategic project management expertise, grant compliance oversight, and a proven track record of delivering sustainable infrastructure projects in partnership with municipalities and community organizations. Collins and Sons LLC, led by Daniel Collins, provides the technical and field-based leadership critical for success at the installation phase — ensuring that designs are translated into durable, high-performance structures. Together, the team combines strategic vision, technical precision, regulatory compliance, and hands-on implementation. This partnership ensures a seamless execution of the Green Bus Shelter project: proactive problem-solving, clear communication with Town representatives, timely progress tracking, and a shared commitment to sustainability and public service.

## Installation Methods and Compliance Approach

Green Mechanics Benefit LLC and Collins and Sons LLC will collaborate to ensure full compliance with all project specifications, federal funding requirements, and local regulations throughout the Green Bus Shelter installation. Prior to ground-breaking, the team will conduct a final pre-construction review of site conditions, permitting statuses, and plan alignment. Installation will proceed in the following phases:

### 1. Site Preparation and Layout

- Marking shelter locations and ensuring clearance from utilities and traffic pathways.
- Site signage and safety protocols established.

### 2. Foundation Installation

- Formwork and reinforcement installation for the concrete bases, poured and cured to meet specified load-bearing requirements.

### 3. Shelter Assembly

- Delivery coordination and secure assembly of structural components.
  - Precise anchoring to concrete base to ensure long-term stability and wind-load compliance.
4. **Green Roof Establishment**
- Installation of green roof modules with appropriate growing medium and vegetation.
  - Initial establishment watering and stabilization measures.
5. **Solar Panel Installation**
- Mounting solar arrays according to manufacturer specifications (electrical connections to be completed by licensed electricians per code).
6. **Site Finishing and Compliance Verification**
- Final inspection for ADA compliance, structural integrity, vegetation viability, and minimal site disturbance.
  - Submittal of as-built documentation and maintenance guidance to Town representatives.

Throughout the project, Daniel Collins will serve as the on-site lead for installation coordination, ensuring that field teams work in alignment with design intent and compliance requirements. Green Mechanics Benefit LLC will oversee project reporting, grant compliance, and communication with Town officials.

## Budget

Item Description	Quantity	Unit Cost	Total Cost
Green Roof System	2	\$3,300.00	\$6,600.00
Solar Panel System	2	\$600.00	\$1,200.00
Shelter Structure (Materials & Labor)	2	\$1,2000.00	\$24,000.00
Reinforced Concrete Base	2	\$1,500.00	\$3,000.00
Installation Costs	2	\$9,500.00	\$19,000.00
Permitting & Compliance	2	\$2,175.00	\$4,350.00
Maintenance & Warranty (1 year maintenance)	2	\$925.00	\$1,850.00
<b>Total Bid Amount</b>	2	\$30,000.00	\$60,000.00

## Appendix Forms - References

### Project Summary:

#### Green Roof Bus Shelter – Town of Edmonston, Maryland (Commissioned October 28, 2022)

In 2022, Daniel James Collins of Collins and Sons LLC was commissioned by the Town of Edmonston, Maryland to design and build a custom Green Roof Bus Shelter as part of their sustainable infrastructure initiatives. This project exemplified innovative green design principles tailored to an urban environment with a focus on functionality, environmental stewardship, and community identity.

### The bus shelter features:

- A fully integrated green roof system planted with native pollinator species.
- 100% recycled acrylic paneling for durability, transparency, and sustainability.
- Off-grid solar lighting, providing safety and visibility while minimizing energy consumption.
- Sustainable construction practices including high-permeability foundation design and environmentally friendly materials.

### Scope of Work:

Daniel personally led the project through all phases:

- Conceptual Design and Stakeholder Consultation
- Technical Specifications and Engineering Coordination
- Custom Fabrication, Site Preparation, and Installation
- Project Management, QA/QC, and Municipal Coordination

The shelter was dedicated by Mayor Tracy Gant on October 28, 2022, and has become a visible symbol of Edmonston's commitment to sustainable community development.

### Project Outcomes:

- Increased urban green space in a heavily developed area.
- Improved stormwater management and urban heat island mitigation through green roofing.
- A model for future green infrastructure integration into municipal public spaces.
- Enhanced community engagement and education on sustainable practices.

### Key Skills and Deliverables:

- Green Infrastructure Planning and Execution
- Sustainable Materials Specification and Procurement
- Low-Impact Site Development
- Municipal Collaboration and Public Dedication Event Support

- Long-term Maintenance Planning for Living Roof Systems

This project demonstrates Daniel’s ability to work collaboratively with local governments, innovate solutions for green urban infrastructure, and deliver projects that align environmental goals with community needs. It serves as a tangible example of how sustainable design can be integrated into everyday civic structures to improve resilience and livability.

**Design-**

■ **Greenroof bus stop 4 Front View.jpg**

**Completed-**

■ **green roof bus plants sunset good ad image.jpg**

<b>Client</b>	<b>Contract Amount</b>	<b>Completion Date</b>	<b>Name and Telephone contact</b>
Town of Edmonston, MD	<b>\$19,000</b>	<b>10-28-2022</b>	<b>Mayor Tracy Gant / (301) 699-8806</b>

**TO BE SUBMITTED WITH BID**

**TOWN OF BLADENSBURG  
Bid Proposal Form**

**TOWN OF BLADENSBURG  
4229 Edmonston Road  
Bladensburg, MD 20710**

**BID DUE: May 2, 2025  
TIME: 3:00 p.m. EST**

**Larry Davis**  
**(Name of Bidder)**

hereby submits the following proposal for Green Mechanics Benefit LLC. Having carefully examined the Request for Proposals, related documentation, the proposed Consultant Agreement and Addenda Numbered NA (indicate numbers or N/A if none issued), and having received clarification on all items of conflict or upon which any doubt arose, and understanding that all prices bid will remain in effect throughout the term of the contract, whether completed at one time or in interrupted phases, the undersigned proposes to furnish all labor, equipment, materials, etc., required by the documents for the entire work, all in strict accordance with the contract documents.

Provide unit pricing for specific tasks.

**SPECIAL TERMS AND CONDITIONS**

- A. Failure to properly and completely fill in all blanks may be cause for rejection of this proposal.
- B. In addition to completing this Bid Proposal Form with bid price, Bidder should provide an estimate of budget and resources required.
- C. It is understood that the proposal price will be firm for a period of 90 calendar days from the proposal opening date, and that, if the undersigned is notified of acceptance of this proposal within this time period, the Bidder shall execute a contract for the above stated compensation.

Green Mechanics Benefit LLC

**Name of Bidder**

May 1, 2025

**Signature Date**

Larry Davis

Name and Title of Individual Authorized to Bind Bidder

**TOWN OF BLADENSBURG – RFP GREEN BUS SHELTERS 8  
TO BE SUBMITTED WITH PROPOSAL**

Non-Collusion Affidavit

Larry Davis, being duly sworn on oath, deposes and says:

That he/she is the

Lead & CoFounder

(Owner, Partner, Title if on behalf of a Corporation)

of Green Mechanics Benefit LLC

(Name of Business, Corporation or Partnership)

the party submitting the Proposal; that no officer of the said Corporation has nor has any person, firm or corporation acting on its behalf; agreed, conspired, connived or colluded to produce a deceptive show of competition in the compilation of the Proposal being submitted herewith; and that the said Corporation has not in any manner, directly or indirectly, entered into any agreement, participated in any collusion to fix the Proposal Price of the Proposer herein or any competitor, or otherwise taken any action in restraint of free competitive bidding in connection with the contract for which the Proposal is submitted; that in making this Affidavit, the Affiant represents that she has personal knowledge of the matters and facts herein stated. The Affiant hereby declares and affirms under the penalties of perjury that the foregoing is true to the best of her knowledge and information.

To be signed by a duly authorized Officer.

 (SEAL)

Name

Title Lead

Date: May 1, 2025

**TOWN OF BLADENSBURG – RFP GREEN BUS SHELTERS 9  
TO BE SUBMITTED WITH PROPOSAL AFFIDAVIT WITH RESPECT TO  
NON-CONVICTION, NON-SUSPENSION AND FALSE PRETENSES**

I hereby affirm that:

1. I am the Lead & Co-Founder (Title) and duly authorized representative of Green Mechanics Benefit LLC (Name of Business Entity) whose address is 115 Centerway POBOX 217, Greenbelt MD 20770 and that I possess the legal authority to make this Affidavit on behalf of myself and the firm for which I am acting.

2. Except as described in Paragraph 7 below, neither I nor the Business Entity nor, to the best of my knowledge, any of its officers, directors, or partners or any of its employees directly involved in obtaining contracts with the State, or any county, bi-county or multi-county agency or subdivision of the State have been convicted, or in an under oath investigation or other proceeding admitted in writing or under oath, acts or omissions which constitute bribery, attempted bribery or conspiracy to bribe under the provisions of Criminal Law Article of the Annotated Code of Maryland or under the laws of any state or the federal government (conduct prior to July 1, 1977 is not required to be reported); and

3. Except as described in Paragraph 7 below, neither I nor the Business Entity nor, to the best of my knowledge, any of its officers, directors, or partners or any of its employees directly involved in obtaining contracts with the State, or any county, bi-county or multi-county agency or subdivision of the State have been convicted under a State or federal law or statute of any offense enumerated in §16-203 of the State Finance and Procurement Article; and

4. Except as described in Paragraph 7 below, neither I nor the Business Entity nor, to the best of my knowledge, any of its officers, directors, or partners or any of its employees directly involved in obtaining contracts with the State, or any county, bi-county or multi-county agency or subdivision of the State have been found civilly liable under a State or federal antitrust statute as provided in §16-203 of the State Finance and Procurement Article.

5. Except as described in Paragraph 7 below, neither I nor the Business Entity nor, to the best of my knowledge, any of its officers, directors, or partners or any of its employees who will provide, directly or indirectly, supplies, services, architectural services, construction related services, leases of real property, or construction have been debarred or suspended under this subtitle.

6. Except as described in Paragraph 7 below, neither I nor the Business Entity nor, to the best of my knowledge, information and belief, any officer, director, partner, member or

**TOWN OF BLADENSBURG – RFP GREEN BUS SHELTERS 10**

associate thereof; nor any of its employees directly involved in obtaining contracts with the Town, has been convicted of false pretenses, attempted false pretenses or conspiracy to commit false pretenses under the laws of any state or federal government, based upon acts committed after July 1, 1981.

7. State “none” below or, as appropriate, list any suspension, debarment, conviction, plea or admission described in Paragraph 2 - 6 above, with the circumstances, date, court, official or administrative body, the individuals involved and their position with the firm, and the sentence or disposition, if any.

NONE

I acknowledge that this affidavit is to be furnished, where appropriate, to the Town of Bladensburg under Section 16-311 of the State of Maryland Finance and Procurement Article of the Annotated Code of Maryland. I acknowledge that, if the representations set forth in this affidavit are not true and correct, the Town of Bladensburg may terminate any contract awarded and take any other appropriate actions. I further acknowledge that I am executing this affidavit in compliance with Section 16-309 of the State Finance and Procurement Article of the Annotated Code of Maryland, which ordains that any person convicted of bribery (upon acts committed after July 1, 1977) in furtherance of obtaining a contract from the State or any subdivision of the State of Maryland shall be disqualified from entering into a contract with the Town. I further affirm that the business entity is properly registered to do business in the State of Maryland, or is not required to be registered. I do solemnly declare and affirm under the penalties of perjury that the contents of the affidavit are true and correct.

May 1, 2025

**Date**



**Signature**

Larry Davis

**Printed Name**

**TOWN OF BLADENSBURG – RFP GREEN BUS SHELTERS 11  
TO BE SUBMITTED WITH BID TOWN OF BLADENSBURG**

NOTE: The information requested on this form may be submitted in a separate document as long as all requested information is provided and numbered according to this form.

1. Name of Bidder: **Green Mechanics Benefit LLC** (Individual/Firm/Corporation)  
Business Address: **115 Centerway POBOX 217, Greenbelt MD 20770**  
Telephone Number: **(443)- 802-4458**  
E-mail address: **ldavis@greenmechanics.co**

2. Is the business incorporated?   **X**   Yes \_\_\_\_\_ No  
Non-Corporation Business

3. If response to item #2 above is No, list the name and business and residence address of each individual having a 10% or greater financial interest in the business.  
Name Business Address Residence Address

N/A

Corporate Business Entities - Please answer items 4 and 5

4. List the names of all officers of the corporation, their business and residence addresses and the date on which they assumed their respective offices.

Name Office Residence and Date Office

Business Address Assumed

1. Larry Davis (40% Owner; 3947 Nemo Road, Randallstown MD 21133; Role Date: 04/11/2019)
2. Dr. Peter May (10% Owner; 19Q Ridge Road Greenbelt MD, 20770; Role Date: 04/11/2019)
3. Kelly Fleming (10% Owner; 19Q Ridge Road Greenbelt MD, 20770; Role Date: 04/11/2019)
4. Michael Carmichael (10% Owner; 3005 Tremont Avenue Cheverly MD 20785; Role Date: 04/11/2019)
5. Justan Randolph (30% Owner; 9370 Pep Rally Lane Waldorf, MD 20603; Role Date: 04/11/2019)

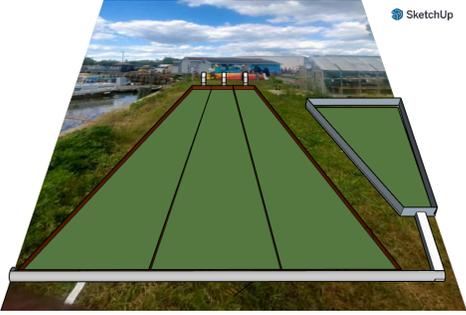
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5. List the names of all members of the current Board of Directors, and their business and residence addresses.

Name Business Address Residence Address  
**NA**

6. Please provide the following information concerning work that you have done within the last 5 years which is similar to the Bid work.

FOR WHOM CONTRACT DATE CONTACT’S NAME/  
 PERFORMED AMOUNT COMPLETED TELEPHONE NUMBER

	<p><b>Project:</b> Port of Baltimore Algal Turf Scrubber  <b>Location:</b> Baltimore  <b>Client:</b> Port of Baltimore  <b>Services:</b> Installation of Algal Turf Scrubber adjacent to the Baltimore Harbor  <b>Description:</b> A 2 x 50 meter flowway was installed to capture nutrient loads from the impervious surfaces in the port of Baltimore entering the Patapsco River.</p>
 	<p><b>Project:</b> Bladensburg Waterfront Park Ecotechnology Demonstration  <b>Location:</b> Bladensburg  <b>Client:</b> Maryland-National Capital Park and Planning Commission  <b>Description:</b> Green Mechanics is installing two novel ecotechnologies at the historic Bladensburg Waterfront Park to provide environmental educational experiences to the youth; Mitigation of over 1.5 impervious acres in Prince Georges County.</p>



**Project:** Smart Sensor Deployment  
**Location:** Washington, DC  
**Client:** Department of Energy and Environment (DOEE)  
**Services:** Scientific Data Monitoring through Sensor Technology  
**Description:** Green Mechanics installed 10 sensors throughout DC's stormwater facilities to provide monitoring metrics and cost effective solutions for DOEE stormwater management efforts. This is the first pilot project in the district in efforts to cost effective data driven consultancy for stormwater management sustainability.



**Project:** Greenbelt Forest Preserve Deer Exclosure Science Study  
**Location:** Greenbelt  
**Client:** Greenbelt Forest Preserve Advisory Board (FPAB)  
**Services:** Scientific Experimental Ecology Research  
**Description:** Green Mechanics was the first to win FPAB's Science fund to conduct a 3 year long experimental ecology study. Efforts will help FPAB to develop better deer management protocol for their 1,600+ acre forest preserve. 10 volunteers were engaged in this project



**Project:** Stream Restoration Planting

**Location:** Glen Dale, Maryland

**Client:** Prince George's Clean Water Partnership

**Services:** Planting (Tree seedlings and livestakes)

**Description:** Green Mechanics was subcontracted by TCG PropertyCare to plant a total of 2,712 seedlings and 2,616 live-stakes along a stream that was recently restored in Glen Arden, Maryland



**Project:** Dora Kennedy French Immersion School

**Location:** Greenbelt Maryland

**Client:** Prince George's Clean Water Partnership

**Services:** Maintain Bioretention

**Description:** Green Mechanics was subcontracted by TCG PropertyCare to maintain stormwater facilities located within the school and recreation center.



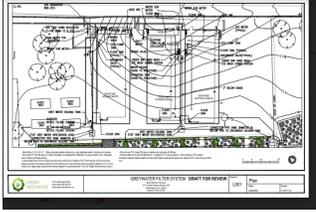
**Project:** Green Infrastructure Project Management Portfolio

**Location:** Washington DC

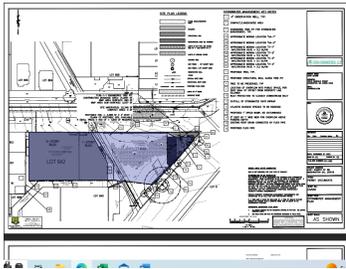
**Client:** Green Compass LLC

**Services:** Project Management

**Description:** Green Mechanics managed a \$75,000 grant for outreach, site visit and savings feasibility studies to commercial owners



**Project:** Grey Water Bioreactor Install  
**Location:** Washington DC  
**Client:** University of District of Columbia (UDC)  
**Services:** Design Build & Project Management  
**Description:** Green Mechanics designed and installed Washington DC's first set of Greywater bioreactor boxes at UDC's Bertie Backus Urban Farm site.



**Project:** Green Infrastructure Project Management  
**Location:** Washington DC  
**Client:** Clean Rivers DC LLC  
**Services:** Project Management  
**Description:** Green Mechanics secured and manages a \$75,000 grant for outreach, site visit and savings feasibility studies to commercial owners in DC. Currently overseeing up to five (5) voluntary green infrastructure installs

7. Bidders will answer the following questions: (The word "you" refers to any individual, partnership, partner and/or corporation and its officers.)

a. Have you ever failed to complete any work awarded to you? NO

If yes, state where and why: NA

b. Have you ever been affiliated with some other organization that failed to complete a contract? NO

If yes, state name of individual and reason therefor. NA

c. With what other businesses are you affiliated? Academic, Cool Green Bus Shelters/ Living Canopies

d. Please provide at least 3 references, including any Maryland governmental units or agencies for which you have worked on a similar project. Include the name and telephone

- 1. Environmental Finance Center (POC- Michelle Kokolis; (301) 405.3577)**
- 2. Bladensburg Waterfront Park (POC -Robert Walker; (301.779.0371)**
- 3. Baltimore Social Environmental Collaboration (POC - Mateusz Rozanki; (443.469.4158)**

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number of your contact with each.

e. Identify all sub successful bidders, materialmen, and suppliers that you intend to use in performing the work under the Contract, and specify the work each is expected to perform.

- Maryland Port Authority - Sourcing Metal
- GPINet (Structural Engineer) - Structural Stamping
- Cool Green Bus Shelters - Licensing Sustainable Bus Shelter

Dated this 1 day of May, 2025.

Larry Davis

Name of Bidder

By: Green Mechanics Benefit LLC

Printed Name:

Title: Lead