
GRANT APPLICATION SUMMARY SHEET

Grant Name: Tire Environmental Act Program (TEAP) 23-26
Department: NDOT
Grantor: TENNESSEE DEPT. OF ENVIRON. & CONSERVATION
**Pass-Through Grantor
(If applicable):**
Total Applied For \$143,246.00
Metro Cash Match: \$51,663.00
Department Contact: Casey Hopkins
8801676
Status: NEW

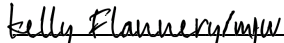
Program Description:

Let's Gain Traction with Vision Zero is a tire recycling program the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) is looking to implement to repurpose tires collected from neighborhood cleanups, illegal dumping, and the convenience centers. NDOT would remove the sidewall of the tire and cut them into strips with a tread cutter. NDOT would then paint these with a reflective paint and install them along our bikeway network to promote safety, sustainability, and innovation throughout the city.

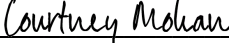
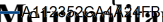
Plan for continuation of services upon grant expiration:

Ask for the FTE positions in future budgets. Look to expand the program beyond bikeway delineation.

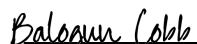
**APPROVED AS TO AVAILABILITY
OF FUNDS:**

DocuSigned by:

4/17/2023
Director of Finance   Date

**APPROVED AS TO FORM AND
LEGALITY:**

DocuSigned by:

4/17/2023
Metropolitan Attorney  Date

**APPROVED AS TO RISK AND
INSURANCE:**

DocuSigned by:

4/17/2023
Director of Risk Management  Date
Services

DocuSigned by:

4/17/2023
Metropolitan Mayor  Date
(This application is contingent upon approval of the
application by the Metropolitan Council.)

Grants Tracking Form

Part One

Pre-Application ☐		Application ☒		Award Acceptance ☐		Contract Amendment ☐	
Department	Dept. No.	Contact				Phone	Fax
NDOT	042	Casey Hopkins				8801676	
Grant Name:		Tire Environmental Act Program (TEAP) 23-26					
Grantor:		TENNESSEE DEPT. OF ENVIRON. & CONSERVATION				Other:	
Grant Period From:		07/01/23	(applications only) Anticipated Application Date:		04/14/23		
Grant Period To:		07/01/26	(applications only) Application Deadline:		04/15/23		
Funding Type:	STATE	Multi-Department Grant		☐ If yes, list below.			
Pass-Thru:	Select Pass-Thru --- >	Outside Consultant Project:		☐			
Award Type:	COMPETITIVE	Total Award:		\$143,246.00			
Status:	NEW	Metro Cash Match:		\$51,663.00			
Metro Category:	New Initiative	Metro In-Kind Match:					
CFDA #		Is Council approval required?		☒			
Project Description:		Applic. Submitted Electronically?		☒			
Let's Gain Traction with Vision Zero is a tire recycling program the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) is looking to implement to repurpose tires collected from neighborhood cleanups, illegal dumping, and the convenience centers. NDOT would remove the sidewall of the tire and cut them into strips with a tread cutter. NDOT would then paint these with a reflective paint and install them along our bikeway network to promote safety, sustainability, and innovation throughout the city.							
Plan for continuation of service after expiration of grant/Budgetary Impact: Ask for the FTE positions in future budgets. Look to expand the program beyond bikeway delineation.							
How is Match Determined? Fixed Amount of \$ \$51,663.00 or 30.0% % of Grant Other: ☒ Explanation for "Other" means of determining match: The grant match requirements for government entities is 80/20. However, the program guidelines allow for match increase on competitive grounds. For Metro to stay competitive, NDOT is proposing a 30% match.							
For this Metro FY, how much of the required local Metro cash match: Is already in department budget? Yes							
Is not budgeted?		Fund	42021	Business Unit	42409021		
		Proposed Source of Match:		CSP			
(Indicate Match Amount & Source for Remaining Grant Years in Budget Below) Other:							
Number of FTEs the grant will fund:		2.00	Actual number of positions added:		2.00		
Departmental Indirect Cost Rate		18.83%	Indirect Cost of Grant to Metro:		\$36,701.36		
*Indirect Costs allowed? ☒ Yes ☐ No % Allow.		18.83%	Ind. Cost Requested from Grantor:		\$36,701.36	in budget	
*(If "No", please attach documentation from the grantor that indirect costs are not allowable. See Instructions)							
Draw down allowable?		☐					
Metro or Community-based Partners:							

Part Two

Grant Budget										
Budget Year	Metro Fiscal Year	Federal Grantor	State Grantor	Other Grantor	Local Match Cash	Match Source (Fund, BU)	Local Match In-Kind	Total Grant Each Year	Indirect Cost to Metro	Ind. Cost Neg. from Grantor
Yr 1	FY24	\$0.00	\$47,749.00	\$0.00	\$17,221.00	42021, 42409021	\$0.00	\$64,970.00	\$12,233.85	\$7,566.33
Yr 2	FY25	\$0.00	\$47,749.00	\$0.00	\$17,221.00	42021, 42409021	\$0.00	\$64,970.00	\$12,233.85	\$7,566.33
Yr 3	FY26	\$0.00	\$47,749.00	\$0.00	\$17,220.00	42021, 42409021	\$0.00	\$64,969.00	\$12,233.66	\$7,566.34
Yr 4	FY__									
Yr 5	FY__									
Total		\$0.00	\$143,246.00	\$0.00	\$51,663.00	42021, 42409021	\$0.00	\$194,909.00	\$36,701.36	\$22,699.00
Date Awarded:					Tot. Awarded:		Contract#:			
(or) Date Denied:					Reason:					
(or) Date Withdrawn:					Reason:					

Contact: juanita.paulsen@nashville.gov
vaughn.wilson@nashville.gov

GCP Rec'd
04/07/23

GCP Approved
04/07/23

VW



Application Summary

How to Create New Activity

Application Type: OSP TEAP Grant

Purpose and Overview

BACKGROUND

In 2015, the Tennessee Automotive Association partnered with the Tennessee Department of Environment and Conservation (TDEC) and the General Assembly to establish the Tire Environmental Fund. At the time of a new motor vehicle retail sale in Tennessee that is to be titled and registered in Tennessee, a flat fee based on the number of the vehicle's wheels is assessed. The purpose of the fee is to fund projects that create and/or expand beneficial end uses for waste tires.

Under Tennessee Code Annotated § 68-211-305, TDEC is designated by the Tire Environmental Act as the administrator of the Tire Environmental Act Program (TEAP) for beneficial end use of waste tires in Tennessee, including fund recipient selection. Oversight of TEAP is managed through TDEC's Office of Policy and Sustainable Practices (OPSP). Reports updating program progress and metrics are made annually to TDEC's Commissioner and the General Assembly.

The new tire environmental fee is imposed on the purchase of new motor vehicles under Tennessee Code Annotated § 68-211-303. This is distinct from the tire pre-disposal fee enacted in 1991, which is imposed on the sale of new tires except those tires sold as a component of a new or used motor vehicle. The funds collected through the tire environmental fee and deposited in the Tire Environmental Fund are used for TEAP; the tire pre-disposal fee revenue is allocated to the Solid Waste Management Fund or to counties by the Tennessee Department of Revenue for beneficial end use of tires in accordance with Tennessee Code Annotated Title 67, Chapter 4, Part 16, and § 68-211-867.

PURPOSE OF THE TIRE ENVIRONMENTAL ACT PROGRAM

The purpose of TEAP is to develop and implement programs to enhance collection, transportation, and processing related to Tennessee markets for waste tires and to provide grants to encourage research, technologies, and processes to enhance the use of tires as alternative fuels or in innovative infrastructure developments. Applicants must demonstrate how their project will improve or enhance beneficial end uses for scrap tires. TEAP provides financial assistance to eligible entities in Tennessee that fit into one, or more than one, of the following eligible project categories:

1. **Tire Recycling:** Local government, nonprofit, and for-profit entities that collect, transport, receive, and process waste tires into a material for beneficial end use¹, as defined in the footnote below. Some example projects include tire shredding, tire granulation, pyrolysis, cryogenic processing. Proposals should identify viable end market(s) and associated partners.
2. **Tire-derived Material Use:** Local government, local education agencies (LEAs), individual K-12 schools, higher education institutions, nonprofits, and for-profit entities that enhance beneficial end uses of processed waste tires. Some potential example projects include construction of permeable surfaces that have environmental and engineering advantages, molded or extruded rubber products, and use of tire-derived aggregate in construction erosion control, filtration, or the construction of infrastructure using tire-derived materials.
3. **Research and Development:** Entities including local governments, for-profit entities, higher education institutions, and/or academic research centers that conduct research, testing, or development of beneficial uses or products derived from waste tires. Research and development must focus on waste tire management, the use of tires as alternative fuels, or the use of tires in innovative infrastructure developments. Proposals should identify viable end market(s) and associated partners. Some potential example projects include rubberized asphalt research or research of alternative processing technology.

¹A beneficial end use of scrap tires is the use of tires to serve as a replacement for another material, after it is



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processed and loses its identity as a solid waste or as a tire by providing an environmental or engineering advantage, or by the material becoming a value-added product that is returned to commerce. A beneficial end use shall not result in unacceptable environmental or public health impacts and may not simply be a disposal method. According to Tenn. Code Ann. § 68-211-867 a “beneficial end use” includes: (1) Cement manufacturing; (2) Burning of tire-derived fuel in contained industrial boilers for the capture of energy; (3) Production of tire-derived fuel, provided the department approves the planned use of the processed tire material; (4) The crumbling or pyrolysis of tire material, provided the processor provides for the planned use of the processed tire material under such requirements established by the department; (5) Recreational applications, including, but not limited to, playgrounds, running tracks, and walking paths; or (6) Any use otherwise deemed appropriate by the department of environment and conservation and for which either the board has promulgated rules or the department has developed and published policies.

Timeline, Eligibility & Funding

GRANT APPLICATION TIMING AND DELIVERY

Grant applications with all attachments must be received electronically through the grant management system (GMS). Awards for this grant cycle are subject to available funds and awarded at the discretion of the Office of Policy and Sustainable Practices. Submission of a complete application does not guarantee that the applicant will receive a TEAP grant.

GRANT TIMELINE:

January 17, 2022: Grant open period begins/Announce solicitation

April 15, 2022: Proposal submission deadline; begin review and processing of applications; determination of scope of services/work for grant awards

Early June 2022: Prepare grant offer to successful applicants

Mid July 2022: Deadline to receive signed grant contracts for processing

Early August 2022: Target execution date for grants



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*No work shall begin on grant projects until an executed contract has been signed by all parties.

Eligibility

Eligible entities that will conduct, install, or construct projects to enhance or expand beneficial end uses in Tennessee for Tennessee waste tires are eligible for TEAP funding. TDEC encourages project submissions that are fully Tennessee based, both in terms of tire origination and processing. For tire-derived product use projects, additional documentation of tire origin will be required from the tire processor when submitting the application for funding. Documentation shall include, at a minimum, tonnage of Tennessee tires collected annually, tire types being collected (passenger, truck, agricultural), tonnage of tires acquired for project being submitted, total count of tires being recycled, and primary geographic region where tire collection occurs. An example certification document can be found on the TEAP webpage.

To be eligible, an entity must obtain all permits, registrations, or certifications required for the proposed project by state law prior to application. Any entity that has been issued a permit, registration, or certification must be current and in good standing regarding such permit, registration, or certification. All applicants will also undergo a check for compliance with applicable laws and regulations.

Applicants must meet the following criteria to be considered for a grant:

1. The applicant must submit a complete application via TDEC's grant management system. A complete application is described below in the section titled "Required Application Components."
2. The project must demonstrate new or increased uses of scrap tires or scrap tire derived material.
3. The project must fall into one of the following categories: tire recycling, tire-derived material use, or research and development.
4. Scrap tires must be acquired from within the state of Tennessee (some of out-of-state feedstock is



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allowable but Tennessee feedstock is preferred). Additional documentation of tire origin may be required from the applicant before finalizing the grant contract.

5. The project must be located in Tennessee.
6. Applicants requesting funding for scrap tires or equipment must submit documentation that the technology to be utilized in the proposed process is beyond the research stage and that a demonstration has indicated the proposed process is feasible for full-scale production (Not applicable to Research and Development Category).
7. "Tire-derived product use" projects shall post at least one permanent sign in public location(s) stating the approximate amount of Tennessee scrap tires that were collected and diverted from landfills and that the project was funded in part by the Tire Environmental Act Program.

PROJECTS NOT ELIGIBLE:

- Tire collection sites (as identified by TDEC Division of Solid Waste Management)
- Used tire sales
- Projects that involve disposal of tires into a landfill
- Purchase of real property
- New construction of buildings or structures (improvements and upgrades to an existing facility are acceptable)
- Ideas for beneficial reuse of tires not supported by proof of concept and evidence of matching funds
- Ideas for research and development not supported by proof of concept and partnership with an approved entity, as identified above
- Items not directly related to the diversion and beneficial reuse of Tennessee tires

*By signing the Grant Application, the applicant certifies that the entity along with any other officers, directors, owners, partners, employees, or agents is (are) not presently debarred, suspended, proposed for debarment or suspension, or declared ineligible for an award by any state or federal agency. This is in accordance with Federal Acquisition regulation 52.209-5 and Tenn. Comp. R. & Regs. 0690-03-01-.17.



Application Summary

Funding

GRANT REQUESTS AND MATCHING THE GRANT:

The applicant must, at a minimum, match the grant amount requested UNLESS the applicant is a Local Education Agency (LEA), higher education institution, local government, or nonprofit. The applicant must specify the match percentage as one of the following:

- 80% grant / 20% match (Specific to LEAs, higher education institutions, local government, or nonprofits); or
- 50% grant / 50% match; or
- Greater than 50% match (amount specified).

Preference is given to applicants that provide greater than 50% match.

ITEMS NOT ELIGIBLE FOR MATCHING FUNDS:

- Real property
- Furniture, furnishings, and fixtures
- Salaries or wages of employees of for-profit entities
- Fees associated with permits and associated financial assurance
- Professional fees, including architectural and engineering services, and administration costs
- Other items not directly related to the diversion and beneficial reuse of Tennessee tires
- Expenses outside of the TEAP contract term

MINIMUM AND MAXIMUM FUND REQUESTS



Application Summary

- The minimum amount of funding that can be requested for an eligible project is \$10,000.00
- The maximum amount of funding that can be awarded for an eligible project is \$1,000,000.00

GRANT CANCELLATION:

- TDEC may terminate and cancel this grant program at any time. In such a case, TDEC will give the applicant 30-days written notice.
- If for any reason the funds become unavailable, TDEC may cancel the contract and will not be obligated to make any payments under the contract after the termination date. TDEC will provide a 30-day notice of any such termination.

TEAP is a competitive grant; not all eligible applications will receive funding and preference will be given to entities that have not previously received TEAP funding. Responses to applications will be made within the grant timeline identified above. If an application does not receive funding, TEAP staff will discuss the reasons for denial with applicants, upon request.

*No work shall begin on grant projects until an executed contract has been signed by all parties.

Selection Criteria

TEAP Scoring Sheets for Tire Recycling, Tire-derived Material Use, and Research and Development Projects

TEAP Scoring Sheets



Application Summary

PROPOSAL: Applicants must explain each selection area. Applications are scored based on these criteria.

Tires recycled

1. Estimated weight of scrap tires diverted from landfills (lbs. or tons) or number of scrap tires estimated to be diverted from landfills during project duration (up to 3 years)
2. Estimated long term impact to scrap tire recycling in Tennessee

Value

1. Return on Investment - Number of tires recycled evaluated against the funds requested along with other factors that create value (explain value in comments); Describe the value such that this type of project is financially viable without grant funding or describe the value to scrap tire markets overall.

Creative / New Technology

1. Unique & Emerging Technology
2. Model for Future Projects
3. Creation of end market for Tennessee scrap tires

Public Awareness/ Exposure

1. Relevant experience with the technology or process
2. Strength of team assembled for project (including commitment of key participants) as evidenced by letters of commitment or support
3. Schedule, milestones, and deliverables of project



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Community Development and Visibility

1. Number of project partners
2. Impact on the surrounding community (job creation, community mobilization, and/or educational value)

Ability to leverage(match) funding to enhance overall project objectives

1. Percentage of match
2. Description of match

Project viability (if applicable)

1. Proof of end-markets as evidenced by letters of commitment or support

Projected environmental benefits

NOTE

- Funding will be awarded to applications selected according to fund limitations and the merit of the applications. Applications may be partially funded based on a revised scope and budget agreed upon by the applicant(s) and TDEC.
- Preference to be given to projects that use Tennessee contractors and local purchases of equipment.

Resources and Contact



Application Summary

RESTRICTIONS ON COMMUNICATION WITH DEPARTMENT STAFF

TDEC will respond to salient questions in writing with a Questions and Answers compilation and post that document to [TDEC's website](#).

Tire.grant@tn.gov shall be the point of contact for questions throughout the application and award process. All other communications (regular mail, express mail, electronic mail, or fax), concerning this application and award process must be addressed to:

Tennessee Department of Environment and Conservation Office of Policy and Sustainable Practices
Tire Environmental Act Program
William R. Snodgrass TN Tower
312 Rosa L. Parks Ave, 2nd Floor Nashville, TN 37243
Tire.grant@tn.gov

Applicants should communicate with TDEC through the email identified here. Limiting communication is essential in order to create fairness and impartiality in the process of reviewing the proposals for this grant program. Communication with other TDEC staff could be perceived as an effort to use special access to exert unfair influence in this discretionary grant award process. While TDEC generally encourages open communications, TDEC expects to administer this process fairly and reserves the right to reject an application for improper communication in violation of this provision.

Frequently Asked Questions are provided on the [here](#).

Title VI Compliance



Application Summary

The Title VI Compliance Application is a separate application that is completed by the applicant to provide your organizations Pre-Audit Survey responses. If you do not see this application on your dashboard, please reach out to TDEC.Grants@tn.gov. They will be able to provide you with access to the Title VI Compliance Application for your organization, or create a new one for you. This application will only need to be completed once per year when you wish to receive funds. Also, this application will automatically go back into Draft Status to be resubmitted 9 months after it has been marked complete.

Please confirm that Applicant Organization has completed the Title VI Compliance application within the last calendar year.

Yes

Specify completion date of most recent Title VI application.

12/02/2022

General Information

Organization Profile

Organization: Not Affiliated

Type:

Primary Contact: Alaina Wood

Address: not affiliated,not affiliated, Tennessee not affiliated

Address Two: Not Affiliated

Email: tdec.grants@tn.gov

Phone:

Fax:

Website:



Application Summary

Application completed by

Name: Casey Hopkins

Personal Address: 750 S 5th St, Nashville, TN 37206-3805

Personal Address Two:

Personal Email: casey.hopkins@nashville.gov

Personal Phone: 615-880-1676

Personal Fax:

Select the Applicant Type

Municipal or County Government

If Other, specify:

Please specify which county the project will be primarily located:

Davidson

Federal/Tax ID or DUNS No.:

62-0694743

Name: Casey Hopkins

Title or Position: Grants Coordinator

Title: Grants Coordinator

Phone: (615) 880-1676



Application Summary

Email: casey.hopkins@nashville.gov

Fax:

Mailing Address: 750 S. 5th Street

City: Nashville

State: TN

Zip: 37206

Narrative Questions

Project Title

Let's Gain Traction with Vision Zero

Project Category

You may only select one.

Tire Derived Material Use

Does the facility/entity associated with this application engage in or intend to engage in the storage, processing, and resale or reuse of recovered tires?

No



Application Summary

Brief Project Description

Let's Gain Traction with Vision Zero is a tire recycling program that the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) will use to repurpose tires collected from neighborhood cleanups, illegal dumping, and the City's convenience centers and transform this waste into bikeway infrastructure.

Project Narrative

Using the Selection Criteria, the applicant should provide a detailed project narrative. You may type or upload your response in the fields below. For responses requiring more than 10,000 characters, please use the upload button.

Let's Gain Traction with Vision Zero TEAP Grant Proposal - NDOT Final.docx

19.6 KB - 04/12/2023 10:39AM

Let's Gain Traction with Vision Zero TEAP Grant Proposal - NDOT Final.pdf

66.9 KB - 04/12/2023 10:39AM

TEAP Letters of Support.pdf

701.7 KB - 04/07/2023 1:28PM

Total Files: 3

4. Follow the instructions of the Reference Questionnaire found in the attachment below for at least two references. Upload completed references below.

[Download Reference Questionnaire](#)



Application Summary

Budget and Attachments

Funding Conditions

Budget Justification

In addition to completing the budget spreadsheet (provided by the grantee), a budget justification must be included with either three (3) quotes for each line item involving a purchase or a justification for fewer quotes. The budget justification shall not exceed two (2) pages; this is in addition to the five (5) page limit for the project proposal.

3_NET_30_Quotes.pdf

247 KB - 04/07/2023 1:20PM

Tire_Grant_Budget_(1).xlsx

13.6 KB - 04/07/2023 1:14PM

Total Files: 2

Budget Worksheet

Policy 03 Object Line-item reference	Expense Object Line-item Category (1)	Grant Contract	Grantee Match	Total Project
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Application Summary

Enter Match % Requirement:	30%			
1.2	Salaries, Benefits & Taxes	\$84,077.00	\$36,033.00	\$120,110.00
4, 15	Professional Fee, Grant and Award (2)	\$9,450.00	\$4,050.00	\$13,500.00
5, 6, 7, 8, 9, 10	Supplies, Telephone, Postage and Shipping, Occupancy, Equipment, Rental and Maintenance, Printing and Publications	\$0.00	\$0.00	\$0.00
11, 12	Travel, Conferences and Meetings	\$0.00	\$0.00	\$0.00
13	Interest (2)	\$0.00	\$0.00	\$0.00
14	Insurance	\$0.00	\$0.00	\$0.00
16	Specific Assistance To Individuals	\$0.00	\$0.00	\$0.00
17	Depreciation (2)	\$0.00	\$0.00	\$0.00
18	Other Non-Personnel (2)	\$0.00	\$0.00	\$0.00
20	Capital Purchase (2)	\$27,020.00	\$11,580.00	\$38,600.00
22	Indirect Cost	\$22,699.00	\$0.00	\$22,699.00
24	In-Kind Expense	\$0.00	\$0.00	\$0.00
25	Grant Total	\$143,246.00	\$51,663.00	\$194,909.00

Budget Line Item Details



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Budget Line Item Detail

Professional Fee, Grant and Award	Amount
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
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\$0.00

Interest	Amount
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
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\$0.00

Depreciation	Amount
	\$0.00
	\$0.00



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	\$0.00
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\$0.00

Other Non-Personnel	Amount
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00



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	\$0.00
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	\$0.00
\$0.00	
Capital Purchase	Amount
Tire Sidewall Cutter - Portable	\$27,000.00
Tire Tread Cutter - Portable	\$6,500.00
Shipping/Freight	\$5,100.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00



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	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
\$38,600.00	
Salaries, Benefits and Taxes	Amount
Maintenance & Repair Worker	\$120,110.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
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	\$0.00
	\$0.00



Application Summary

	\$0.00
	\$0.00
\$120,110.00	
Travel, Conferences	Amount
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
\$0.00	
Indirect Costs	Amount



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NDOT ICR 18.83%	\$22,699.00
	\$0.00
	\$0.00
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	\$0.00
	\$0.00
	\$0.00
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	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
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	\$0.00
	\$0.00

\$22,699.00

In Kind Expenses	Amount
	\$0.00
	\$0.00
	\$0.00
	\$0.00



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	\$0.00
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	\$0.00
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	\$0.00
	\$0.00
\$0.00	
Supplies	Amount
Reflective Paint	\$2,500.00
Delineator Installation Equipment	\$2,500.00
Equipment Maintenance	\$5,000.00
Safety Training	\$2,000.00
Community Engagement	\$1,500.00
	\$0.00
	\$0.00
	\$0.00



Application Summary

	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
\$13,500.00	

Federal and State Representatives

Federal Congressional District

Congressperson #1 Name: Rep Mark Green

District Number: 7

Congressperson #2 Name: Rep John Rose

District Number: 6

Senator State District

Senator #1 Name: Sen Jeff Yarbro



Application Summary

District Number: 21

Senator #2 Name: Sen Charlene Oliver

District Number: 19

Representative State District

Representative #1 Name: Rep Harold Love, Jr

District Number: 58

Representative #2 Name: Rep Bill Beck

District Number: 51

Authorization

If the Awarded Local Government will be allowing individuals other than the principal executive officer or ranking elected official (i.e. mayor or utility director) to sign off on contract related items, the below information must be provided for each individual. An Authorization Letter from the principal executive officer or ranking elected official specifying individual(s) listed in the grant proposal have the authority to sign in place of the principal executive officer or ranking elected official must be uploaded below.

Printed Name	Title	Phone	Date Signed	Email	Name of Person Granting Authorization to Certify
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Application Summary

If you have signatory authority from the principal executive officer or ranking elected official, please fill out the information fields above and upload proof of signatory authority on grant applicant letterhead or another form of official executed documentation.

Self Debarment Verification



Application Summary

Please verify that your organization is not on the federal debarment list.

Any entity receiving TDEC grant funds must provide non-debarment verification if total goods or services for the open contract are equal to or greater than \$25,000.

The Awarded Organization is required to check the debarment status of their organization by using the SAMS website prior to making a recommendation of award, purchasing of goods, or securing of services to meet grant requirements and to insure any and/or all funds associated with the grant project will be eligible for reimbursement. Grant reimbursements will not be processed if the debarment status verification have not been completed.

NOTE: If active exclusions and/or delinquent federal debt are shown, the organization cannot receive a grant contract or grant funds. If no active exclusion and no delinquent federal debt are shown, the awarded organization may receive grant funds as long as all other grant policies and procedures are followed.

Search for your organization to confirm that you are not on the Debarment List by going to [System for Award Management \(SAM\)](#)

Click "SEARCH RECORDS" tab.

In the search bars type in the Entity name or using an exclusion search term, Duns & Bradstreet number (DUNS) and/or the Entity Commercial and Government Entity (CAGE) code. You can only use one search bar at a time to search for records. Individuals are not assigned a DUNS number or CAGE code. When checking for a debarred individual, conduct the search by typing the name in the top bar.

Click "SEARCH" to retrieve a list of results. Entities with "Exclusion" listed in purple are currently debarred, while those labeled "Entity" in green do not have exclusions. In the right upper corner of the webpage, use the "Save PDF" option and upload a summary of search results.



Application Summary

Upload Debarment Status Verification

Even if there are no search results, you still must upload a pdf showing your search results.

SAMs_Screenshot.pdf

36.6 KB - 04/07/2023 1:23PM

Total Files: 1

What name was searched?

Metropolitan Government of Nashville-Davidson County

Please complete the below certification information

I certify to the best of my knowledge and belief that the data above is correct and I have searched my organization in the SAM system.

Name of person who searched the SAM system

Casey Hopkins

Date

04/06/2023

General Correspondence



Application Summary

Signature

Casey Hopkins

Date 4/12/23

Let's Gain Traction with Vision Zero is a tire recycling program that the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) will use to repurpose tires collected from neighborhood cleanups, illegal dumping, and convenience centers and transform this waste into bikeway infrastructure. To create vertical, protective delineation for bike lanes, NDOT will remove the sidewall of the tires and cut the tires into strips with a tread cutter. NDOT will then paint the resulting tire material with a reflective paint and install the material in the buffer areas along our bikeway network to promote safety, sustainability, and innovation throughout the city.

Tires Recycled

Last year Metro collected 1,063 tires from neighborhood cleanups, illegal dump sites, and convenience centers—a significant number of these tires can be repurposed for NDOT's Let's Gain Traction program. Wear and tear like dry rot could impact the number of tires that NDOT can use for Let's Gain Traction; however, Metro's scrap tire vendor recycles all unusable tires into mulch, maintaining that all tires would still be recycled and diverted from landfills even if the tire is deemed unsuitable for our program.

Value

The return on investment for the Let's Gain Traction program can be calculated by the number of delineators to be derived from recycled tires and the installation costs Metro spends on the tire repurposing services. Last year, NDOT spent approximately \$189,096 on flexible delineator posts and installation services for protected bikeways—a fraction of the investment NDOT has planned for future bikeway projects. Adding the recycled tire delineators to our supply, NDOT would be able to produce and install more protective bikeway barriers at lower cost—and on a faster timeline. This will reduce annual costs for bikeway delineators and installation, meaning NDOT can install more lifesaving barriers over time. According to Memphis tire recycling program lead Andy Kizzee, "450 to 500 recycled tires were used for the Broad Avenue bike lane project, which stretches more than 1.2 miles" ([High Ground News](#)). As of today, traditional flexible delineators and installation fees for 1.2 miles of bikeway network in Nashville would amount to approximately \$1,093,079.50 based on historical costs. Even with a ratio of 1:1, which will be used for tire to delineator creation in this program, NDOT believes we would be able to recycle and repurpose at least 450 – 500 tires, if not more, on a yearly basis. This estimate accounts for tires lost to dry rot and general wear and tear.

The Let's Gain Traction program would still be financially viable without grant funding. However, it would require Metro several budget cycles to implement the full program. Grant funding would speed up that timeline and begin saving lives and improving biking mobility immediately.

Creative/New Technology

Let's Gain Traction is a unique program in that NDOT will roll out the program throughout Davidson County, not just in the downtown Nashville core. Following successful pilot programs around the country, including our fellow Tennesseans in Memphis, NDOT would look in the first year to pilot the tire delineators on a segment on our bikeway network as we get a better understanding of the operations of the program. NDOT would then look to move to a county-wide approach as we continue our momentum in expanding our network of protected bike lanes.

Additionally, Let's Gain Traction will serve as a model for future Vision Zero safety projects and programs as NDOT continues towards our goal of ZERO traffic fatalities and severe injuries. As the Let's

Gain Traction program and technology grow, NDOT would look to apply this approach to other quick-build projects that could be benefited by recycled tires. For example, the Vision Zero Quick-Build initiative strives to quickly implement safety improvements for people walking and biking on the streets that constitute our High Injury Network.

Public Awareness / Exposure

NDOT has experience and resources to learn the new technology and process for tire recycling within weeks. With NDOT's in-house crews working with all types of machinery, we could safely train a 2-man crew to operate the equipment. The strength of and trust in this program is evident from our support letters from leaders and partners including Mayor Cooper's Office, Metro Council and non-profits.

Project schedule, milestones, and deliverables (Dependent on Award Date):

Month 1: Complete the Metro legislative process to finalize the grant agreement

Months 2 – 6: NDOT purchases the equipment, hires a crew, and trains the crew on the equipment

Month 6 – 12: NDOT begins using the eligible tires from illegal dumping, neighborhood cleanups, and convenience centers to build and install wave, post, and clover-style delineators as advised by bikeway program staff

Month 13 – 36: NDOT continues to advance program operations, expanding to include additional quick-build transportation safety projects

Community and Educational Benefits

NDOT and our partners will work in close partnership to ensure the program is community driven. NDOT currently has 309 miles (498 kilometers) of bikeway infrastructure—however, only six percent of these bikeways are protected. Nashville is building momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone.

People biking in Nashville face disproportionate risk for death and injury on Nashville roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way.

This grant would benefit economically distressed or underserved communities in particular. The data is clear: those who live in the most vulnerable areas of Davidson County are also overrepresented in traffic deaths and severe injuries. Metro's Vision Zero Action plan used the Greater Nashville Regional Council (GNRC) Degrees of Vulnerability Index to analyze traffic safety outcomes against demographic factors. The Degrees of Vulnerability index includes thirteen demographic categories, which were then compared with crash data to identify areas of Nashville that see a disproportionate amount of traffic risk. This analysis determined that over half of Nashville's High Injury Network overlaps with vulnerable populations. More than thirty percent of collisions for all modes occur in areas with the highest concentration of poverty, renters, and housing cost-burdened households, despite these areas making up only twenty percent of the population. For reference, please see NDOT's [Vision Zero dashboard](#) which highlights the methodology used in our Vision Zero analyses.

Furthermore, NDOT will be contributing to job creation in Tennessee as we look to hire a crew to manage the creation and installation of the recycled material along our bikeway network.

Ability to leverage (match) funding

NDOT will match this grant 70/30. We will use \$51,663 in local dollars from our FY21 Capital Spending Plan, **RS2021-757**, which passed by legislative approval. Our Capital Spending Plan is financed through general obligation bonds.

Proof of end-markets

The environmental benefits of recycling tires are significant. Metro recycles many tires every year, but when we *repurpose* the rubber material for other products, we reduce our environmental footprint even further, as reusing is even less energy-intensive than recycling. Recycling four tires reduces carbon emissions by approximately 323 pounds. Furthermore, tires do not decompose when tires are left unused at end of life, they can release chemicals with a negative impact on the environment. Our proof of end-market of tires is recycling the material to build protected bikeways throughout Nashville. We believe this is lifesaving, sustainable, and an innovative approach towards tire end-market.



METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

JOHN COOPER
MAYOR

OFFICE OF THE MAYOR
METROPOLITAN COURTHOUSE
NASHVILLE, TENNESSEE 37201
PHONE: (615) 862-6000
EMAIL: mayor@nashville.gov

March 29, 2023

Office of Sustainable Practices
Tennessee Department of Environment & Conservation
312 Rosa L. Parks Avenue, 2nd Floor
Nashville, TN 37243

RE: Let's Gain Traction with Vision Zero Tire Environmental Act Program (TEAP) Application

Dear TEAP Administrators and Application Evaluation Team,

As the Chief Sustainability & Resilience Officer for the City of Nashville, I am writing to express my support of the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and secure resources to create tire delineators.

Last year, Metro Nashville collected 933 tires at convenience centers and NDOT collected 130 tires from neighborhood cleanups. This program provides an opportunity to recycle and repurpose these collected tires into bike lane barriers that provide safe multimodal options for cyclists while also being flexible, sustainable, and less expensive per foot than similar existing products.

NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. Today, only 6% of that cycling infrastructure is protected. With significant planned expansion of our protected bike lane network, the Let's Gain Traction with Vision Zero program provides the opportunity to install more bike lane barriers for existing and future cycling infrastructure while addressing public safety and environmental goals for the city. And, as we make current and future cycling infrastructure more available and safer, it further encourages multimodal options for Nashvillians that can reduce greenhouse gas emissions associated with transportation activities. Transportation currently represents 51% of our greenhouse gas emissions.

Sincerely,

A handwritten signature in cursive script that reads "Kendra Abkowitz".

Kendra Abkowitz, PhD, MBA
Chief Sustainability & Resilience Officer
Office of Mayor John Cooper
Metropolitan Government of Nashville and Davidson County
Kendra.Abkowitz@nashville.gov



METROPOLITAN COUNCIL

Jennifer Gamble
Councilmember, District 3
Jennifer.gamble@nashville.gov
615.860.2602

April 6, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: Let's Gain Traction with Vision Zero

Dear Tire Environmental Act Program,

I write in support of Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products.

Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected. Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone.

The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face disproportionate risk for death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. NDOT will work in partnership with my organization as they work to expand their protected bikeway network through an innovative approach.

Sincerely,

Jennifer Gamble
Councilmember, District 3

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

One Public Square, Suite 204
Nashville, Tennessee 37201
Office: (615) 862-6780
Fax: (615) 862-6784



1113 Granada Avenue
Nashville, Tennessee 37206
Cell: (615) 427-5946

Email: brett.withers@nashville.gov

BRETT A. WITHERS
Councilmember, District 6

March 29, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: **Let's Gain Traction with Vision Zero**

Dear Tire Environmental Act Program,

I write in support of Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products.

Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected. Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone.

The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face disproportionate risk for death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. NDOT will work in partnership with my organization as they work to expand their protected bikeway network through an innovative approach.

Sincerely,

A handwritten signature in blue ink that reads "Brett A. Withers".

Brett A. Withers
Councilmember, District 6



METROPOLITAN COUNCIL

Member of Metro Council

TONYA HANCOCK

Metro Council Member, District 9
1 Public Square, Suite 204 • Nashville, TN 37201
615-398-1373

April 6, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: Let's Gain Traction with Vision Zero

Dear Tire Environmental Act Program,

I write in support of Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products.

Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected. Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone.

The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face disproportionate risk for death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. NDOT will work in partnership with my organization as they work to expand their protected bikeway network through an innovative approach.

Sincerely,

Tonya Hancock
Councilor, District 9



**Metropolitan Council of
Nashville & Davidson County**
Councilman Russ Bradford,
13th District

Office: (615) 432-1313
Cell: (615) 200-0158
Russ.Bradford@Nashville.gov

April 6, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: Let's Gain Traction with Vision Zero

Dear Tire Environmental Act Program,

I write in support of Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products.

Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected. Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone.

The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face disproportionate risk for death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. NDOT will work in partnership with my organization as they work to expand their protected bikeway network through an innovative approach.

Kindest Regards,

A handwritten signature in blue ink that reads "Russ Bradford".

Russ Bradford, Councilman District 13



METROPOLITAN COUNCIL

Member of Metro Council

JEFF SYRACUSE

Metro Council Member, District 15
222 Graeme Drive • Nashville, TN 37214
615-886-9906

April 6, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: **Let's Gain Traction with Vision Zero**

Dear Tire Environmental Act Program,

I write in support of Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products.

Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected. Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone.

The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face disproportionate risk for death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. NDOT will work in partnership with my organization as they work to expand their protected bikeway network through an innovative approach.

Yours truly,

Jeff Syracuse
Councilmember, District 15



METROPOLITAN COUNCIL

Member of Metro Council

Colby Sledge Councilmember, District 17

March 31, 2023

Tennessee Department of Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: Let's Gain Traction with Vision Zero

Dear Tire Environmental Act Program:

I write in support of the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators.

Last year, Metro Nashville collected 933 tires at convenience centers, with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material that is flexible, sustainable, and less expensive per foot than similar existing products. This program has already seen great success in Memphis, specifically on Broad Ave., where hundreds of tires were used to create bike lane delineators.

Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. Only 6 percent of Nashville's cycling infrastructure is protected, with nearly two-thirds of our protected bike lanes having been built just in the past five years. The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way.

The need for this infrastructure is urgent. People biking in Nashville face disproportionate risk for death and injury. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would help save lives through recycling tires. Please give us the chance to do so.

Sincerely,

Colby Sledge
Metro Nashville-Davidson County Councilmember
District 17

Planning, Zoning and Historical Committee:
Member, Past Chair, Past Vice Chair, Past
Planning Commission Member

Rules and Confirmations Committee: Member



231 Orlando Ave. Nashville, TN, 37

615-422-7109

Kathleen.Murphy@Nashville.gov

Councilwoman Kathleen Murphy

March 27, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: "Let's Gain Traction with Vision Zero"

Dear Tire Environmental Act Program,

I write in support of the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers, with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products. Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers.

NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected, Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone. The program, "Let's Gain Traction with Vision Zero," provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face a disproportionate risk of death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives by recycling tires. NDOT will work in partnership with our organization as they work to expand their protected bikeway network through an innovative approach.

Sincerely,

A handwritten signature in blue ink that reads "Kathleen Murphy". The signature is written in a cursive, flowing style.

Kathleen Murphy
Councilwoman, District 24



METROPOLITAN COUNCIL

Member of Council

Delishia Porterfield

Metro Council Member, District 29

1 Public Square, Suite 204 • Nashville, TN 37201

615-432-1329

April 6, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Subject: Let's Gain Traction with Vision Zero

Dear Tire Environmental Act Program,

I write in support of Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products.

Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected. Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone.

The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face disproportionate risk for death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. NDOT will work in partnership with my organization as they work to expand their protected bikeway network through an innovative approach.

Sincerely,

Delishia Porterfield
Councilwoman, District 29

JOHN COOPER
MAYOR



METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

DEPARTMENT OF WATER AND SEWERAGE SERVICES
Waste Services Division
1600 2nd Ave N
Nashville, TN 37208

April 5, 2023

Office of Sustainable Practices
Tennessee Department of Environment & Conservation
312 Rosa L. Parks Avenue, 2nd Floor
Nashville, TN 37243

RE: Let's Gain Traction with Vision Zero Tire Environmental Act Program (TEAP) Application

Dear TEAP Administrators and Application Evaluation Team,

As the Zero Waste Program Manager for Metro Nashville Water Services, Waste Services Division, I am writing to express my support of the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to secure equipment and resources to install safety infrastructure made from recycled tires.

Metro Waste Services manages the collection of used tires through our four convenience centers through which we collected 933 tires last year. Let's Gain Traction provides an opportunity to reuse these tires within our local economy making this a higher and better use of the material while reducing the need for virgin products. This program therefore both provides much needed safety infrastructure and supports Metro Nashville's goals to reduce all waste going to landfill by 90% to achieve zero waste.

Beyond the direct benefit of waste reduction, this program also promises to be highly visible to the public, showcasing the city's breadth of commitment to sustainability as well as public safety. Last year, Nashville landfilled over 1.1M tons of solid waste. Using recovered tires to create bike delineators will catch the eye of multimodal users of this infrastructure, signaling the value NDOT and Metro Nashville places in both safety and recycling and reuse. This is a unique opportunity to achieve multiple goals for resilience and sustainability for Nashville.

Sincerely,

A handwritten signature in black ink, appearing to read "Jenn Harrman", is written over a light blue horizontal line.

Jenn Harrman
Zero Waste Program Manager
Waste Services Division, Metro Water Services
Metropolitan Government of Nashville and Davidson County
Jenn.Harrman@Nashville.gov



April 4, 2023

Attn: Office of Sustainable Practices
Tennessee Department of Environment & Conservation
312 Rosa L. Parks Avenue, 2nd Floor
Nashville, Tennessee 37243

RE: Tire Environmental Act Program (TEAP) Application

Dear TEAP Administrators and Application Evaluation Team,

I am writing to express Tennessee Environmental Council's (TEC) support of the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and secure resources to create tire delineators.

Last year, Metro Nashville collected 933 tires at convenience centers and NDOT collected 130 tires from neighborhood cleanups. TEC's recycling roundups and litter clean-up efforts are adding to these totals, and combined, these efforts are keeping waste tires out of our landfills, streams and illegal dump-sites. This grant provides an important opportunity to expand the end-market for recycled tires by turning them into bike lane barriers that provide safe multimodal options for cyclists while also being flexible, sustainable, and affordable. This concept aligns with TEC's vision to achieve thriving habitats, a circular economy and climate balance in Tennessee.

Sincerely,

Jeffrey Barrie, CEO

Tennessee Environmental Council

One Vantage Way, Suite E-250, Nashville, TN 37228 | www.tectn.org | tec@tectn.org | 615-248-6500

Board of Directors: Erika Godwin-Saad (Chair) | Lloyd Baker (Treasurer) | Jimmie Welch III (Secretary)

Nathan Freeman | Don Gentilcore | Sameer Goswami | Samantha Goyret | David Greider | Chase Hively | Lee Johnson, Jr.
Jim Koza | Katy Lange | Christopher Lundgren | Maris Masellis | Lisa Maxwell | Jennifer Nash | Thomas D. Robinson | Don Safer
Clark Spoden | Lisa Thompson | Jennifer Wang | Erica Weeks

April 6, 2023

Tennessee Department of
Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243



Subject: **Let's Gain Traction with Vision Zero**

Dear Tire Environmental Act Program,

I write in support of the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators. Last year, Metro Nashville collected 933 tires at convenience centers with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose a material into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products. Through this program, NDOT would collect illegally dumped tires and turn them into bike lane barriers. NDOT currently has 309 miles (498 kilometers) of cycling infrastructure. With 6% of the cycling infrastructure that is protected, Nashville is building significant momentum in expanding its network of protected bike lanes. Sixty-four percent of Nashville's protected bike network was built in the last five years alone. The program Let's Gain Traction with Vision Zero provides the opportunity to install more bike lane barriers across our network in an innovative way. People biking in Nashville face disproportionate risk for death and injury on Nashville Roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycling tires. NDOT will work in partnership with Walk Bike Nashville as they work to expand their protected bikeway network through an innovative approach.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Wesley Smith", with a stylized flourish at the end.

J. Wesley Smith
Policy and Government Relations Manager



Bike Fun
1616 Comanche Run
Madison, TN 37115

www.nashvillebikefun.org
kj@nashvillebikefun.org

March 27, 2023

Tennessee Department of Environment & Conservation
312 Rosa L. Parks Avenue
Nashville, TN 37243

Greetings -

My name is KJ Garner, and I am the board president of Bike Fun. Bike Fun is a nonprofit whose mission is to create joyful bicycle riders in Middle Tennessee. I am writing in support of the Nashville Department of Transportation and Multimodal Infrastructure (NDOT) grant application to purchase equipment and hire employees to create tire delineators for bicycle lanes, titled ***Let's Gain Traction with Vision Zero***.

In 2022, Metro Nashville collected 933 tires at convenience centers, with NDOT collecting 130 tires from neighborhood cleanups. Although not all tires will be used because of wear and tear, this program provides an opportunity to recycle and repurpose materials into a bike lane barrier that is flexible, sustainable, and less expensive per foot than similar existing products. NDOT would collect illegally dumped tires and turn them into bike lane barriers through this program.

NDOT currently has 309 miles (498 kilometers) of cycling infrastructure, with 6% of the cycling infrastructure classified as protected. Nashville is building significant momentum in expanding its network of protected bike lanes. 64% of Nashville's protected bike network was built in the last five years alone.

The program ***Let's Gain Traction with Vision Zero*** provides the opportunity to install more bike lane barriers across our network in an innovative way. Bicycle riders in Nashville face disproportionate risk for death and injury on Nashville roads. Nationally, Nashville ranks 24th in traffic fatalities per 100,000 people. This grant would provide the opportunity to save lives through recycled tires.

NDOT will work in partnership with my organization as they work to expand their protected bikeway network through an innovative approach.

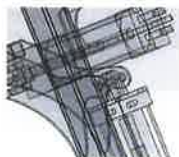
Sincerely,

KJ Garner
Board President, Bike Fun
kj@nashvillebikefun.org

Engineering & Equipment Co.

4755 Interstate Way
Kingman, Az USA 86401
WWW.EAECO.COM

email orders@eaeco.com
tel 928-757-5061
fax 928-757-5061

**SALES QUOTE**

quote # SQ-001380
date 3/27/2023

billing address **NDOT**
750 S. 5th St.
Nashville, TN
USA
37206

shipping address **NDOT**
750 S. 5th St.
Nashville, TN
USA
37206

contact Casey Hopkins
phone 615-880-1676

sales rep
Alex

payment terms
Payment Due Before Shipment

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	SUB-TOTAL
TTSR5-1	TTSR5-1 This 60Hz, 220V machine removes sidewalls from truck tires, radial tires, super singles, aircraft tires, some agricultural tires and light-truck and passenger car tires with rim diameters larger than 15" (40.6cm), but limited to an overall diameter of 50" (122cm). 480 LB/218Kg MADE IN THE USA HSCODE 8465.96.0051, 60Hz, single phase, 220V	1	\$8,150.00	\$8,150.00
T3C5-1	T3C5-1 Machine that cuts treads from passenger and truck tires. Production rate is 120 treads tires per hour. Pre installed 60Hz single phase 220V motor . 500 LB MADE IN USA. HS CODE 8465.96.0051, 60Hz, single phase, 220V	1	\$5,300.00	\$5,300.00
PSR1-1	Pocket Sidewall Remover: removes sidewalls from car and light truck tires one side at a time with foot pedal, 60Hz, single phase, 110V	1	\$2,250.00	\$2,250.00
Custom modification/option/order	Trailer custom made to mount all machines listed above at specific locations for user friendly operation, power generation and compressed are included with this mobile processing unit. Trailer will be bumper pull style.	1	\$19,750.00	\$19,750.00

Make all checks payable to EAECO

We Appreciate Your Purchase And Promise to Continue Our Service For As Long As You Own Our Equipment.

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**SALES QUOTE**

quote # SQ-001380
date 3/27/2023

remarks This quote is the list of recommended machines for processing a large range of tires.

This is considered the mobile setup. Each machine will plug into power generation on the trailer. Once the unit arrives at location it will be in ready to run status.

This quote is valid for 30 days

Due to fluctuations in shipping rates, freight will be recalculated and updated when the machine is ready to ship. Please let us know if you would like to add freight insurance to your order.

Thank you for your interest and we look forward to working with you!

Governing Law; Venue; Arbitration. This Agreement, which is entered into through purchase of any item(s) or services, is made with reference to and is intended to be construed in accordance with the laws of the State of Arizona. Venue for ANY action arising out of or concerning this agreement SHALL be in Mohave County, Arizona. In the event of a dispute under this Agreement, the dispute shall be subject to binding arbitration.

SUB-TOTAL \$35,450.00
FREIGHT \$5,100.00
TOTAL \$40,550.00

"SIMPLE SOLUTIONS TO A TOUGH PROBLEM"

Brehmer Mfg. Inc.
825 Main Street Lyons, NE 68038
(800) 755-8473 (605) 242-5213
Fax (402) 687-2656

QUOTATION

11596

3/27/2023 7:38:11 AM
3/27/2023 7:42 AM



SOLD TO INFORMATION

Buyer Cell

Company

Address

City State

Country Zip

Phone Fax

Email

SHIP TO INFORMATION

Buyer Cell

Company

Address

City State

Country Zip

Phone Fax

Email

Print PDF Duplicate CRM **MACHINE SALES INFORMATION**

CRM #

Equipment Model	Equipment Mobility	Equipment Power	Qty	Unit Price	Discount	Extended
Eagle Super Slicer	Portable	Gasoline	1	\$26,324.00		\$26,324.00
Eagle Super Slicer	Stationary	Electric	1	\$24,979.00		\$24,979.00
Tread Cutter Attachment	Compatible	Compatible	1	\$6,500.00		\$6,500.00

PAYMENT TERMS:

Non-Refundable Downpayment =

Due Upon Completion =

Sales Representative:
Sales Rep Email:

DELIVERY

Due Date:

Carrier:

Incoterms:

Sub-Total:

Onsite Training:

Freight:

Grand Total:

This Quotation is for:

- (1) Eagle International Portable Super Slicer supplied with a 23 HP Honda Gasoline engine.
- (1) Eagle International Stationary Super Slicer supplied with a 15 HP, 3 PH, 230/460V, 60 HZ Electric motor.
- (1) Optional Tread Cutter attachment.

This machine will be put into our production schedule as soon as we receive the 50% down payment and a signed Purchase Agreement faxed or emailed into our office. The remaining 50% will be due upon completion of this machine. Production times vary depending on the availability of purchased parts.

All portable machines are built to USA DOT regulations, any deviations from this design will be at the customer's expense.

This quote does not include training, freight, or spare parts.

Machines will be placed in the equipment production schedule upon receipt of a signed Purchase Agreement and the required downpayment. All manuals and training CD's will be provided upon shipment of the machine.

I understand the terms and conditions of this sale as per attached. I further understand that a non-refundable down payment or an approved lease agreement is required before Brehmer Mfg will schedule production. I agree to pay the remaining balance before delivery. I further understand that I am responsible for any applicable state or local taxes or any registration or licensing fees that are applicable in my state, province or country. I understand if downpayment or final payment is not made using a check, ACH or wire transfer, a 3% administrative fee will be added to the amount charged.

Brehmer Sales Representative Signature

Date

Authorized Purchaser's Signature

Date

This QUOTATION is valid for (30) days from the date listed under the Sales Representative's signature. Prices will be held firm through the validity date and are subject to change thereafter. All prices are stated in U.S. Dollars. Please visit www.eagle-equipment.com for further product information.

Brehmer Mfg. Inc.
825 Main Street Lyons, NE 68038
(800) 755-8473 (605) 242-5213
Fax (402) 687-2656

QUOTATION
11596

3/27/2023 7:38:11 AM
3/27/2023 7:42 AM



Your Northern Tool Sales Quote

Northern Tool + Equipment <CustomerCare@NorthernTool.com>

Mon 4/3/2023 2:42 PM

To: Hopkins, Casey (NDOT) <Casey.Hopkins@nashville.gov>

Attention: This email originated from a source external to Metro Government. Please exercise caution when opening any attachments or links from external sources.

Please find attached the invoice you requested from your recent order. Thank you for your order. Please note that a receipt must be presented with all returns or exchanges and no returns are allowed without authorization. Please contact customer service with any questions.

Order Number: [75726010](#)

Customer Account Number: 27995784

Invoice Date: 04/03/2023

Invoice Number:

PO Number:

Confirmation Number:

Billing Address:

NASHVILLE DEPT OF TRANSPORTATION
750 S 5TH ST
NASHVILLE, TN 37206

Shipping Address:

NASHVILLE DEPT OF TRANSPORTATION
750 S 5TH ST
NASHVILLE, TN 37206

Ordered	Shipped	Backordered	Item #	Description	Unit Price	Extension
1	1		 1445909	TIRE CUTTERS TC-050	\$13,068.99	\$13,068.99
FREIGHT				TRUCK GENERIC	\$492.90	\$492.90
NOLIFTGATE				CUST DECL. LIFT GAT	\$.00	\$.00
Taxable Amount					\$13,561.89 @ 9.250	
Product Subtotal						\$13,068.99
Shipping						\$492.90
Tax						\$1,040.42
Order Total						\$14,602.31
Payment						\$.00
Balance Due						\$14,602.31

Phone:

Customer Care: 1-800-222-5381

Product Experts: 1-800-221-0516

Text: 1-800-221-0516

Email:

Customer Care: CustomerCare@NorthernTool.com

Product Experts: ProductExperts@NorthernTool.com

Monday - Friday 7:00 am - 8:00 pm Central Time

Saturday - Sunday 8:00 am - 5:00 pm Central Time

Sort by

Date Modified/Updated ▼

Showing 1 - 1 of 1 results

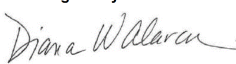
NASHVILLE & DAVIDSON COUNTY, METROPOLITAN GOVERNMENT OF ● Active Registration

Unique Entity ID	CAGE Code	Physical Address
LGZLHP6ZHM55	3QKW8	1 PUBLIC SQ, NASHVILLE, TN 37201 USA

Entity
Expiration Date Feb 6, 2024
Purpose of Registration All Awards

APPLICATION FOR TIRE ENVIRONMENTAL ACT PROGRAM

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

DocuSigned by:

CCA6046554B9461...

4/7/2023

Diana W. Alarcon, Director
Department of Transportation
and Multimodal Infrastructure

Date