

Asphalt Rubber Technology Service (ARTS)



**Joint Partnership of:
DHEC
City of Clemson
and
Clemson University**

2009 ARTS Waste Tire Grant Application

Return to:

**Teri Oswald
ARTS Research Facility
2002 Hugo Drive
Clemson University
Clemson, SC 29634**

2007 ARTS Waste Tire Grant Application

A copy of your W-9 form **MUST** be turned in with your completed application.

Total Request: \$	
1.	Local Government:
2.	Federal ID Number:
3.	Public Works Director or Recycling Coordinator:
Address:	
Phone:	Fax: e-mail:
4.	Contact Person:
Address:	
Phone:	Fax: e-mail:
5.	Financial Officer or Grant Administrator:
Address:	
Phone:	Fax: e-mail:
6.	Authorized Representative (County Administrator, etc.):
Address:	
Phone:	Fax: e-mail:
7.	Address to which reimbursements should be mailed:

Provide the following information on attachments, in sequence and numbered for reference:

- 1. Describe the areas to be serviced under this grant. Include the following information:**
 - A. names of municipalities, townships etc.;**
 - B. population estimates;**
 - C. area descriptions including which areas are rural, urban and suburban; and**
 - D. square mileage of service area.**
- 2. Provide a timetable for the implementation of the project.**
- 3. List separately all individuals involved in the implementation of each phase of the project and describe their involvement with the project.**
- 4. Describe in detail the project for which grant money is being requested including (Attach additional sheets, if necessary):**
 - a. A complete overview of the project, including estimated quantities of asphalt or other applications involved, street names, total length of paving in miles, location of the project, type of roads involved, and general traffic conditions;**
 - b. Pertinent information on any written contracts, written bids or written agreements applicant has entered into to develop and/or implement the project; Include specifics of what services will be rendered and cost estimates;**
 - c. Length of time for which the contract will extend; and**
 - d. All other pertinent information needed to assess the project for which you are applying.**

For rubberized asphalt projects, complete Tables 1 and 3.

For any projects other than rubberized asphalt, complete Tables 2 and 3.

This agreement is not a binding contract and the amounts included are for estimating and budgeting purposes only. Actual cost of the contract will be negotiated at a later date.

**2007 ARTS WASTE TIRE GRANT APPLICATION
PROPOSED PROJECT BUDGET**

SUMMARY BUDGET:

If the project is rubberized asphalt project, complete Tables 1, 4 and 5. For other civil engineering projects, complete Tables 2, 4 and 5. For recreational projects, complete Tables 3, 4 and 5. Double click on the Tables to work in Excel.

Directions for Table 1:

- Column (a) - Project Cost Without Crumb Rubber - fill in the costs of the project using conventional methods (not using crumb rubber)
- Column (b) - Project Cost With Crumb Rubber - fill in the costs of the project using crumb rubber
- Row A - costs of the Contractor performing the work or the Supplier supplying the materials
- Row B – costs of signs on each separate site of the project identifying it as an ARTS project containing scrap tires and crediting SC DHEC for its contributions to the project.
- Row C - ARTS mix design/technical support fee of \$10,000
- If you are filling this application out on the computer, once you have filled in columns (a) and (b), the Grant Funds Requested column will be automatically calculated. If you are filling the application out by hand, the Grant Funds Requested for each row is calculated by subtracting column (a) from column (b).
- The Other Contributions column is for information purposes only, and it is not used to calculate the grant amount.
- Note: ARTS staff will conduct Section B, Mix Design, Technical Support, and Administration of QC Program. Please contact ARTS staff for information
- Note: The Contractor MUST have a certified Level 1 technician to conduct mix testing at the plant site and a certified Asphalt Roadway technician at the project site to perform compaction testing.

Table 1. Summary Budget: Projects Utilizing Crumb Rubber for Rubberized Asphalt

Description	Project Cost	Project Cost	Grant Funds Requested	Other Contributions
	(Without Using Crumb Rubber)	(With Using Crumb Rubber)		
	(a)	(b)	(b-a)	
A. Contractor / Supplier			\$0.00	
(Describe Details in Table 3)				
B. Project Signage	\$0.00		\$0.00	
(Describe Details in Table 4)				
C. Mix Design, Technical Support, Administration of QC Program	\$0.00	\$10,000.00	\$10,000.00	
TOTAL	\$0.00	\$0.00	\$0.00	\$0.00

SUMMARY BUDGET: Continued

Directions for Table 2:

- **Column (a) - Project Cost Without Crumb Rubber - fill in the costs of the project using conventional methods (not using crumb rubber)**
- **Column (b) - Project Cost With Crumb Rubber - fill in the costs of the project using crumb rubber**
- **Row A - costs of the Contractor performing the work or the Supplier supplying the materials**
- **Row B – costs of signs on each separate site of the project identifying it as an ARTS project containing scrap tires and crediting SC DHEC for its contributions to the project.**
- **Row C - ARTS design/technical support fee based on individual project. Please contact ARTS for information.**
- **If you are filling this application out on the computer, once you have filled in columns (a) and (b), the Grant Funds Requested column will be automatically calculated. If you are filling the application out by hand, the Grant Funds Requested for each row is calculated by subtracting column (a) from column (b).**
- **The Other Contributions column is for information purposes only, and it is not used to calculate the grant amount.**
- **Note: ARTS staff will conduct Section B, Design, Technical Support, and Administration of QC Program. Please contact ARTS staff for information**

Table 2. Summary Budget: Projects Utilizing Crumb Rubber, Tire Chips, Tire Shreds, or Whole Scrap Tires for Civil Engineering Uses Other Than Rubberized Asphalt

Description	Project Cost (Without Using Crumb Rubber)	Project Cost (With Using Crumb Rubber)	Grant Funds Requested	Other Contributions
	(a)	(b)	(b-a)	
A. Contractor / Supplier (Describe Details in Table 3)			\$0.00	
B. Project Signage (Describe Details in Table 4)	\$0.00		\$0.00	
B. Design, Technical Support, Administration of QC Program	\$0.00	\$10,000.00	\$10,000.00	
TOTAL	\$0.00	\$0.00	\$0.00	\$0.00

SUMMARY BUDGET: Continued

Directions for Table 3:

- Column (a) - Project Cost - fill in the costs of the project
- Column (b) – Percentage of Project Cost Requested – this is 20% for project using existing technology, and up to 80% for projects using new technology or facilitating research on existing technology
- Row A - costs of the Contractor performing the work or the Supplier supplying the materials
- Row B – costs of signs on each separate site of the project identifying it as an ARTS project containing scrap tires and crediting SC DHEC for its contributions to the project.
- If you are filling this application out on the computer, once you have filled in columns (a) and (b), the Grant Funds Requested column will be automatically calculated. If you are filling the application out by hand, the Grant Funds Requested for each row is calculated by dividing (b) by 100, and then multiplying that number by (a).
- The Other Contributions column is for information purposes only, and it is not used to calculate the grant amount.

Table 3. Summary Budget: Projects Utilizing Crumb Rubber, Tire Chips, Tire Shreds, or Whole Scrap Tires for Recreational Projects (i.e., playgrounds, running tracks, sports surfaces, etc.)

Description	Project Cost	% Project Cost Requested	Grant Funds Requested	Other Contributions
	(a)	(b)	(b/100 x a)	
A. Project Construction	\$0.00	0%	\$0.00	
(Describe Details in Table 4)				
B. Project Signage			\$0.00	
(Describe Details in Table 5)				
TOTAL	\$0.00	0%	\$0.00	\$0.00

SUMMARY BUDGET: Continued

Directions for Tables 4 and 5:

- Fill in a more detailed Description of the project costs in each category (Contractor/Supplier and Project Signage)
- Fill in the amounts of Grant Funds Requested corresponding to the items in each category
- Fill in Other Contributions for the items in each category.

Table 4. Contractor/Supplier

Description	Grant Funds Requested	Other Contributions

Table 5. Project Signage

Description	Grant Funds Requested	Other Contributions
TOTAL	\$0.00	\$0.00

**Grant Guidelines
2007 ARTS Waste Tire Grant Program**

1. Grants shall not be provided to any local government or region that does not demonstrate a good faith effort to meet the requirements of the Solid Waste Policy and Management Act of 1991.
2. Waste Tire Grants are made available to:
 - a. Any county in the State of South Carolina. Amounts awarded are competitive and not limited by population.
 - b. Any municipal or local government that provides solid waste services. Municipal governments must submit a verification statement signed by a county official verifying that the host county has reviewed the application.
 - c. Any South Carolina state or local government agency interested in asphalt rubber and civil engineering applications of crumb rubber.
3. Original applications should be mailed to the ARTS office at the following address:

Teri Oswald
ARTS Research Facility
2002 Hugo Drive
Clemson, SC 29634
4. ARTS staff, DHEC staff, and the Waste Tire Committee will review applications. Applications will be reviewed and recommendations formulated by ARTS' staff (based upon the Grant Guidelines) and forwarded to the Waste Tire Committee. The Waste Tire Committee makes the FINAL decision.
5. No grant funds will be paid after March 30, 2009.
6. All existing public recycling infrastructures shall be fully used to the extent possible when planning and implementing projects funded under this program. Funds shall not be used for duplicating existing waste tire projects.
7. Projects funded under this program shall not provide any grant funds to private sector recycling programs unless specifically contracting for goods or services.
8. All recycling projects must be consistent with the county or regional plan.
9. Cost comparisons should be made for purchases vs. leases. Cost comparisons should also be made to compare contracts for service vs. the grantee performing the service itself.
10. Contract terms must be defined completely and be in accordance with the general conditions and specifications provided by ARTS for projects under this program.
11. All contracts and purchases of goods and services shall be made according to the established procurement policy of the grantee, provided that its procurements conform to the South Carolina Procurement Code Guidelines. All equipment purchases must meet federal, state and local regulations.
12. All facilities constructed, educational materials produced, and equipment purchased with grant funds must credit the DHEC Office of Solid Waste Reduction and Recycling Grant Program and ARTS. This includes installing at least two signs, approved by ARTS, at each individual site of each demonstration project identifying the project as utilizing scrap tires and acknowledging SC DHEC's contribution to the project.

13. Applicants shall provide the ARTS office with a copy of any new or revised technology accomplished or lessons learned as a direct or indirect result of the grant.
14. ARTS shall have the right to terminate a grant award and demand refund of grant funds for noncompliance with federal, state or local regulation, the terms of the grant award or these guidelines. In such case, ARTS shall declare the local government or region ineligible for further participation in the program until the local government or region complies with the regulations, terms of the grant award or these guidelines.
15. There is no guarantee of performance issued or implied by the university, its agents, the City of Clemson, or DHEC, concerning installations funded, or partially funded by this program. Neither Clemson University or any of its representatives (e.g., ARTS' staff), DHEC, or the City of Clemson shall be liable for any claims arising from projects funded by this program, including demands, expenses, liabilities and/or losses, nor attorney's fees as a result of any acts or failure to act by parties involved, their employees or agents, in connection with the performance of services pursuant to grant agreements entered into under this program.
16. The program's funding is for the differential cost of conducting the project using the crumb rubber verses using just the raw materials (i.e., no crumb rubber). For instance, if the cost of a proposed rubberized asphalt project is \$200,000, but the cost of doing this job using conventional materials is \$150,000, then ARTS will fund only \$50,000 (the difference between conventional mix and rubberized asphalt mix).
17. Criteria to be considered by the evaluation team:
 - a. RFP requirements met
 - b. Sustainability and need
 - c. Technical and financial feasibility
 - d. Tonnage affected
 - e. Innovations involved
 - f. Managerial and technical expertise
 - g. Benefits to the state
 - h. Cost of project
18. ARTS presently owns a piece of blending equipment capable of producing the rubber modified binder. Projects utilizing the equipment will be scheduled according to equipment availability. The Contractor is responsible for any costs associated with the operation of the equipment and the transportation of the equipment both to and from the ARTS Research Facility. The Contractor is also responsible for obtaining all permits and licenses required for both transportation and operation of the equipment. The Contractor must contact ARTS staff to obtain the complete terms and conditions for leasing and availability of this equipment.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, accurate and complete. I further certify that I possess the authority to apply for this grant on behalf of the applicant.

Signature of Authorized Representative

Date

Title

Signature of Financial/Grant Official

Date

Title

Signature of Contact Person

Date

Title

Please return the original forms to:

**Teri Oswald
ARTS Research Facility
2002 Hugo Drive
Clemson University
Clemson, SC 29634**