

Stormwater Infrastructure Repair

RFP for Coronavirus State and Local Fiscal Recovery Funds

Moog Music Inc

Michael J. Adams
160 Broadway St.
Asheville, NC 28801

info@moogmusic.com
O: 828-251-0090
M: 828-216-1470
F: 828-254-6233

Michael J. Adams

160 Broadway St.
Asheville, NC 28801

mike@moogmusic.com
O: 828-251-0090
M: 828-216-1470
F: 828-254-6233

Application Form

Question Group

Buncombe County requests proposals for projects to help the community recover from and respond to COVID-19 and its negative economic impacts.

Buncombe County has been awarded \$50,733,290 in Coronavirus State and Local Fiscal Recovery Funds (Recovery Funding), as part of the American Rescue Plan Act. This infusion of federal resources is intended to help turn the tide on the pandemic, address its economic fallout, and lay the foundation for a strong and equitable recovery.

Buncombe County is committed to investing these funds in projects that:

- Align to county strategic plan and community priorities
- Support equitable outcomes for most impacted populations
- Leverage and align with other governmental funding sources
- Make best use of this one-time infusion of resources
- Have a lasting impact

Proposals shall be submitted in accordance with the terms and conditions of this RFP and any addenda issued hereto.

[Click here for the full terms and conditions of the RFP](#)

Coronavirus State and Local Fiscal Recovery Funds*

Name of Project.

Stormwater Infrastructure Repair

Amount of Funds Requested*

\$804,000.00

Recovery Fund Eligible Category*

Please select one:

Water & sewer infrastructure

Brief Project Description*

Provide a short summary of your proposed project.

The stormwater culvert for the entire North-end of downtown Asheville runs underneath I-240, Merrimon, onto Moog Music Property, and then forms the headwaters for the popular Reed Creek Greenway. Reed Creek is not actually a "creek" at all but is stormwater run-off. Most of this SEVEN foot high culvert is on

State maintained property but the maintenance associated with the portion that is on Moog Music property is the responsibility of Moog.

This culvert is ~100 years old and consists of brick masonry and concrete walls. The section that runs across Moog property has been inspected and is in need of repair.

Project Plan*

Explain how the project will be structured and implemented, including timeframe.

A construction contract would be awarded to a company that has expertise in the repair of underground stormwater pipe. We have identified on such company which is ProShot Concrete Inc. based in Florence, AL. Their website shows the multiple number of repairs similar to what we need:

<https://proshotconcrete.com/before-after-shotcrete-pictures/>

The project scope has already been identified. We would prepare an RFQ for ProShot Concrete and at least 2 other similar companies to bid.

The requirement would include a demonstrated ability to do underground concrete repair including workers who are "confined space entry" certified and appropriate levels of liability insurance.

Once the contract is awarded, it would take approximately 3-4 months to complete.

Statement of Need*

Describe the need that this project will address. Include data to demonstrate the need, and cite the source of the data.

This project will insure the continued success of one of the most successful and visible manufacturing companies in Asheville. Moog Music which started in Asheville in 1994 has grown from a consulting firm with only Bob Moog as an employee to a multi-national company with a headquarters, manufacturing, R&D, warehouse, and Sales & Marketing in Asheville, an office in Berlin, a warehouse in Langenau, Germany, and a soon to be opened office serving Asia Pacific in New Zealand. Twenty years ago the company employed 8 Ashevilleians. Today, we have a combined workforce of 170 with 95% from Buncombe County. If this culvert were to fail. There is a strong possibility that failure would jeopardize the entire 170 person workforce which includes people of all genders, ethnicities, religious beliefs, and an \$8.5M annual payroll.

Link to COVID-19*

Identify a health or economic harm resulting from or exacerbated by the public health emergency, describe the nature and extent of that harm, and explain how the use of this funding would address such harm.

Funding of this project will keep the \$8.5M annual payroll of Moog and its associated city, county, and state taxes flowing.

Population Served*

Define the population to be served by this project, including volume and demographic characteristics of those served.

There are a total of 170 people that work at Moog Music.

145 of them are Buncombe County residents.

Gender – 128 male, 32 female, 5 chose not to answer, 7 unknown.

Ethnicity – 154 white, 4 black or African American, 3 Asian, 1 American Indian or Alaskan Native, 8 - 2 or more races

Results*

Describe the proposed impact of the project. List at least 3 performance measures that will be tracked and reported. If possible, include baselines and goals for each performance measure.

- 1) Today, Moog employs ~170 people as described above.
With this funding we will grow to at least 200 people by December of 2023.
- 2) Our annual payroll which is \$8.5M today will grow to \$10M by December of 2023
- 3) Last year we exported 45% of our products around the world. We have direct service in two countries. By Dec, 2023, our exports will increase to 60% of our total volume and we will directly serve at least 4 countries.

Evaluation*

Describe the data collection, analysis, and quality assurance measures you will use to assure ongoing, effective tracking of contract requirements and outcomes.

The chosen contractor will be required to provide before and after photos of the repaired culvert.

Equity Impact*

How will this effort help build toward a just, equitable, and sustainable COVID-19 recovery? How are the root causes and/or disproportionate impacts of inequities addressed?

Our current human resource department which is all female has been specifically tasked with identify people of color for any openings that we have here at Moog.

Project Partners*

Identify any subcontractors you intend to use for the proposed scope of work. For each subcontractor listed, indicate:

- 1.) What products and/or services are to be supplied by that subcontractor and;
- 2.) What percentage of the overall scope of work that subcontractor will perform.

Also, list non-funded key partners critical to project.

The key contractor is ProShot Concrete from Florence, AL. or one its competitors.
They will receive 100% of the proceeds.

Capacity*

Describe the background, experience, and capabilities of your organization or department as it relates to capacity for delivering the proposed project and managing federal funds.

Moog Music has been in business since 1954. We have been in Asheville since 1994. Since Mike Adams ascendency to President of Moog Music in 2002, we have grown an average of 20% year over year growth for 19 straight years.

Moog manages a staff of 170 and annually ships over 50,000 electronic musical instruments.

Our VP of Finance will be responsible for releasing funds for the project based upon the % of the work completed.

Budget*

Provide a detailed project budget including all proposed project revenues and expenditures, including explanations and methodology. For all revenue sources, list the funder and denote whether funds are confirmed or pending. For project expenses, denote all capital vs. operating costs, and reflect which specific expenses are proposed to be funded with one-time Buncombe County Recovery Funds.

Download a copy of the budget form [HERE](#). Complete the form, and upload it using the button below.

Budget for the City Grant.xlsx

Special Considerations*

Provide any other information that might assist the County in its selection.

Proposal - Moog's Culvert Repairs 6-29-21.pdf

We currently have a proposal from ProShot Concrete for repairing a 25' section of this culvert. That proposal is for \$82,000.

Extrapolating that proposal across the full 500' section of culvert and amortizing some of the one time expenses results in an estimate of \$804,000 for the full 500' of culvert.

File Attachment Summary

Applicant File Uploads

- Budget for the City Grant.xlsx
- Proposal - Moog's Culvert Repairs 6-29-21.pdf

Budget for repairing 500' of Stormwater Pipe running across Moog's property

	25' repair Proposal	Unit
Mobilization	\$8,000	Months
3 weeks for 25'		Months
Stream Diversion		
Cost for 25'	\$8,000	Feet
Repair of Culvert*		Feet
Cost for 25'	\$20,000	Feet
Wall Construction*		Feet
Cost for 25'	\$24,000	Feet

* The assumption is that there will be significant portions of the current culvert that will not need repa

Unit Cost	Extended Price for 500's	
	\$10,667	\$32,000
	\$320	\$160,000
	\$800	\$400,000
	\$960	\$480,000
	SubTotal	\$1,072,000
air or wall construction 25% of the pipe will not need repair or wall construction	less 25%	
	Ask	\$804,000



PROSHOT CONCRETE, INC.

SHOTCRETE CONTRACTORS & ENGINEERS

Telephone: 256.764.5941

4158 Musgrove Drive
Florence, AL 35630

Fax: 256.764.5946

Mr. Mike Adams
Moog's Music
160 Broadway St.
Asheville, NC 28804

June 29, 2021

Subject: Arch Culvert Repair under Property

Dear Mike,

Based on my site visits and discussions we have had; we are pleased to offer the following work description and pricing for the concrete rehabilitation related to the above referenced subject.

The concrete arch culvert under your property is approximately 7' high and about 8' wide. The 25' section in question that runs under your property is in the middle of an approximate 500' section and there is access through small diameter laterals. The outfall end is open and will have to be used for 'man' access; the laterals can be used for 'hose' access.

This quote is for the 25' section only.

Scope of Work

Repair the invert/floor of the arch culvert by breaking-up the concrete chunks and filling the voids throughout the culvert. Once the floor is somewhat level, reinforced shotcrete (minimum 3" thick) will be applied to the invert to provide a smooth invert while filling the voids. This will also prevent undermining during the 'void filling'. A stream diversion will have to be in-place utilizing an elevated flume pipe to contain and maintain the flow.

In addition, we would suggest lining that 25' section full-circumference to increase the structural enhancement of this area. The arch would consist of approximately 22sf/lf. *Albert feels this is optional.*

In addition to the new invert, there is a large void, which also needs to be addressed. Reinforcing will used to bridge the void and construct a new wall to prevent further infiltration; some of the debris/chippings may be used to fill the void as we construct the wall (10"-12" thick). Number 4 bars will be used to bridge the void and will be anchored into the adjacent walls on 12" centers.

Accepted _____, 20____

By _____

PROSHOT CONCRETE, INC.

By _____

Approved _____



PROSHOT CONCRETE, INC.

SHOTCRETE CONTRACTORS & ENGINEERS

Telephone: 256.764.5941

4158 Musgrove Drive
Florence, AL 35630

Fax: 256.764.5946

Our Work includes:

- Mobilization
- Stream Diversion
- Chipping/Filling Invert Voids
- Wall Construction
- Shotcrete full-circumference
- Traffic/Pedestrian Control

Measure of Payment

The costs below are associated with the invert repair, structurally enhancing specific section, and the wall construction. In addition to the 'invert repair' price, there is also a price for repairing the void.

1.	Mobilization	\$8,000
2.	Stream Diversion	\$8,000
3.	Invert Repair/Chipping and Shotcrete	\$800/lf (\$20,000) *
4.	Full-Circumference Lining	\$880/lf (\$22,000) *
4.	Wall Construction	<u>\$24,000</u>
		\$82,000

*Note: If less footage is completed, it will be invoiced accordingly. Based on minimum 20lf

Unfortunately, the void would have to be filled at least a week later to ensure the wall has achieved the proper strength gain.

To ensure the void is completely filled and compacted, we would suggest a small section (8'x8') of the pavement be removed to expose the void to allow #57 stone and dirt to fill the void. Pavement can be replaced after complete. This would be performed by others.

The cutout of the pavement and the fill and the repave would be done by others.

Basis of Proposal

We will provide all equipment, materials, labor, supervision, and necessary insurance to complete the work above. All men are 'confined space entry' certified and all shotcrete will be installed by an ACI Certified Nozzle Man. We estimate this work to take up to 3 weeks.

Accepted _____, 20____

PROSHOT CONCRETE, INC.

By _____

By _____

Approved _____



PROSHOT CONCRETE, INC.

SHOTCRETE CONTRACTORS & ENGINEERS

Telephone: 256.764.5941

4158 Musgrove Drive
Florence, AL 35630

Fax: 256.764.5946

If you have questions or need additional information, please do not hesitate to call me. I can easily be reached at (757) 620-4840.

Respectfully submitted,
Proshot Concrete, Inc

Albert F. Pugliese
Regional Manager

Cc: Tony McDougle/Connie Dill

Accepted _____, 20____

By _____

PROSHOT CONCRETE, INC.

By _____

Approved _____