



July 3, 2025

South Carolina Office of Resilience
632 Rosewood Drive, Columbia, SC 29201
(803) 521-0937
scor.sc.gov

Attention: Amy Azarias
Infrastructure Manager

Subject: Proposal to Provide Construction Materials Testing
North Laurens Culvert Replacement
OSE Project #: D30-N041-PG
SCOR Project #: AP-22-3000-02
NOVA Proposal Number: 10119-1025045

Dear: Ms. Azarias

NOVA Engineering and Environmental, LLC (NOVA) appreciates the opportunity to submit this proposal and cost estimate for Construction Materials Testing for the North Laurens Culvert Replacement.

SCOPE OF WORK

NOVA proposed to provide a SCDOT certified engineering technician for the following items:

- Verify subgrade is ready for culvert placement.
- Observe backfill placement. (#57 stone)
- Observe and test (density, temperature, thickness, roller pattern) during hot mix asphalt (HMA) placement.

Forms SE-955 and SE-955A are attached to this correspondence. Please don't hesitate to contact us if you have any questions.

Sincerely,
NOVA Engineering and Environmental, LLC

A handwritten signature in black ink, appearing to read "Daniel Balfour".

Daniel Balfour
Business Unit Manager

A handwritten signature in black ink, appearing to read "Marc Johnston".

Marc Johnston, PE
Regional Manager

SE-955A

AGENCY:	SC Office of Resilience				
PROJECT NAME:	Laurens County Stormwater Improvement Project - North Laurens Culverts				
PROJECT NUMBER:	D30-N041-PG				
INSPECTION FIRM:	NOVA Engineering and Environmental				
PROJECT MANAGER FOR INSPECTION FIRM:					
Daniel Balfour NOVA Engineering & Environmental					
ICC CHAPTER 1 INSPECTORS	NAME	CREDENTIALS (Insert or Attach)			
Building					
Electrical					
Mechanical					
Plumbing					
Fire Protection Systems					
ICC CHAPTER 17 INSPECTORS	NAME	CREDENTIALS (Insert or Attach)			
Prestressed Concrete					
Reinforced Concrete					
Structural Masonry					
Spray-applied Fireproofing					
Structural Steel & Bolting					
Structural Steel Welding					
Soils					
Smoke Control					
Cold Formed Steel Framing					
Wood Construction					
Architectural Components					
Fire Protection Systems					
Mechanical & Electrical Components					
FIELD TESTING TECHNICIANS	NAME	CREDENTIALS (Insert or Attach)			
Soil	Michael Morgan/Colin Babb	SCDOT SC03460 / SC00211			
Masonry Grout					
Concrete					
Hot Mix Asphalt	Michael Morgan / Eric Keenan	SCDOT SC03460 / SC03739			
Footings					
Pile					
Deep Foundations					
IBC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
110.2	Site				\$ -
110.3.1	Footing and Foundation				\$ -
110.3.2	Concrete Slab and Under-Floor				\$ -
110.3.3	Lowest Floor Elevation				\$ -
110.3.4	Frame				\$ -
110.3.5	Lath and Gypsum Board				\$ -
110.3.6	Exposed Balcony & Walking Surface Waterproofing				\$ -
110.3.7	Fire- and Smoke-Resistant Penetrations				\$ -
110.3.8	Energy Efficiency				\$ -

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INSPECTION/MATERIAL TESTING ORDER NEGOTIATION WORKSHEET					\$	-
	Other (specify)				\$	-
	Other (specify)				\$	-
	Plan Review & Major Task Pre-Planning Mtgs.				\$	-
SECTION TOTAL					\$	-
NEC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL	
107.2(1)	Underground				\$	-
107.2(2)	Rough-In				\$	-
107.2(3)	Final				\$	-
107.2.1	Other (specify)				\$	-
	Other (specify)				\$	-
	Other (specify)				\$	-
	Plan Review & Major Task Pre-Planning Mtgs.				\$	-
SECTION TOTAL					\$	-
IFGC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL	
107.2(1)	Underground				\$	-
107.2(2)	Rough-In				\$	-
107.2(3)	Final				\$	-
107.2.1	Other (specify)				\$	-
	Other (specify)				\$	-
	Other (specify)				\$	-
	Plan Review & Major Task Pre-Planning Mtgs.				\$	-
SECTION TOTAL					\$	-
IMC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL	
107.2(1)	Underground				\$	-
107.2(2)	Rough-In				\$	-
107.2(3)	Final				\$	-
107.3	Observation of Tests				\$	-
107.2.1	Other (specify)				\$	-
	Other (specify)				\$	-
	Other (specify)				\$	-
	Plan Review & Major Task Pre-Planning Mtgs.				\$	-
SECTION TOTAL					\$	-
IPC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL	
107.2(1)	Underground				\$	-
107.2(2)	Rough-In				\$	-
107.2(3)	Final				\$	-
107.3	Observation of Tests				\$	-
107.4	Testing of plumbing work & systems				\$	-
107.2.1	Other (specify)				\$	-
	Other (specify)				\$	-
	Other (specify)				\$	-
	Plan Review & Major Task Pre-Planning Mtgs.				\$	-
SECTION TOTAL					\$	-

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INSPECTION/MATERIAL TESTING ORDER NEGOTIATION WORKSHEET					
CHAPTER 9	INSPECTION/TESTING TYPE	INSPECTIONS	HOURS	HOURLY RATE	TOTAL
901.5	Fire Detection & alarm systems				\$ -
901.5	Gas Detection systems				\$ -
901.5	Fire-extinguishing Systems				\$ -
901.5	Fire Hydrant Systems				\$ -
901.5	Fire Standpipe Systems				\$ -
901.5	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -
IBC CHAPTER 17	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
1704.2.5	Fabricators				\$ -
1705.2	Steel Construction				\$ -
1705.3	Concrete Construction				\$ -
1705.4	Masonry Construction				\$ -
1705.5	Wood Construction				\$ -
1705.6	Soils				\$ -
1705.7	Driven Deep Foundations				\$ -
1705.8	Cast-in-place Deep Foundations				\$ -
1705.9	Helical Pile Foundations				\$ -
1705.11	Wind Resistance				\$ -
1705.12 & 13	Seismic Resistance				\$ -
1705.14	Spray Fire-resistant Materials				\$ -
1705.15	Mastic & Intumescent fire-resistant coatings				\$ -
1705.16	Exterior Insulation and Finish Systems (EIFS)				\$ -
1705.17	Fire-resistant penetrations and joints				\$ -
1705.18	Special Inspection for Smoke Control				\$ -
Other	<i>Specify</i>				\$ -
Other	<i>Specify</i>				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -
MISC.	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
CWA § 402	NPDES Erosion Control				
Other	<i>Specify</i>				
Other	<i>Specify</i>				
	Plan Review & Major Task Pre-Planning Mtgs.				
SECTION TOTAL					\$ -
TESTING TECHNICIAN FIELD TESTS		NUMBER OF DAYS	HOURS /DAY	TECH. HOURLY RATE	TOTAL
Soil		6	4	\$ 75	\$ 1,800
HMA Placement		2	4	\$ 75	\$ 600
Concrete					
Footings					
Pile					
Other (<i>specify</i>)					
Other (<i>specify</i>)					
Plan Review & Major Task Pre-Planning Mtgs.					

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INSPECTION AND TESTING EQUIPMENT		UNIT OF MEASURE	NO. OF UNITS	COST /UNIT	TOTAL
Concrete Coring Equipment	Days				
PDA Pile Test Equipment	Days				
Bolt Torque Wrench	Hours				
Ultrasonic Testing Equipment	Hours				
Nuclear Density Test Equipment (Soil)	Days				
Other (specify)					
Other (specify)					
Other (specify)					
SECTION TOTAL				\$	2,400

LAB TESTS	NO. OF TESTS	PRICE / TEST	TOTAL
Standard Proctor - ASTM D698			
Modified Proctor - ASTM D1557			
Stone-Aggregate Density - ASTM D698/1557			\$ -
California Bearing Ratio - ASTM D1883			\$ -
Soil Moisture Content - ASTM D2216			
Atterberg Limits - ASTM D4318			
Wash 200 Fines - ASTM D1140/C117			
Grain Sieve Analysis w/o hydro. - ASTM C136			\$ -
Grain Sieve Analysis w/hydro. - ASTM D422			\$ -
Soil Specific Gravity - ASTM D854/D550			\$ -
Concrete Beam Strength - ASTM C78			\$ -
Concrete Cores Strength - ASTM C42			\$ -
Concrete Cylinders, Cure & Test - ASTM C31/39			\$ -
Grout Prism Strength - ASTM C 1019			\$ -
Mortar Cub Strength - ASTM C 109			\$ -
CMU Compressive Strength - ASTM C140			\$ -
Masonry Compressive Strength - ASTM C1314			\$ -
Masonry Testing - ASTM C67/78			\$ -
Other (specify)			\$ -
Other (specify)			\$ -
SECTION TOTAL		\$	-

PROJECT SUPPORT				
SUPPORT TYPE	TASKS	HOURS	HOURLY RATE	TOTAL
Project Manager	Plan Review	1	\$ 100	\$ 100
	Pre-Con. Meeting	2	\$ 100	\$ 200
	Milestone Meetings			\$ -
	Inspector Management	2	\$ 100	\$ 200
Clerical	Reports	3	\$ 50	\$ 150
	General			\$ -
SECTION TOTAL			\$	650

TOTAL OF ALL SECTIONS	\$	3,050
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REIMBURSABLES	TOTAL UNITS	UNIT RATE	TOTAL
Trip Charge / Mileage (circle one)	10	\$ 50	\$ 500

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TRIAL TESTING ORDER NEGOTIATION WORKSHEET			\$	-
Per Diem Fees			\$	-
Other (specify)			\$	-
Other (specify)			\$	-
SECTION TOTAL			\$	500
GRAND TOTAL (Section Totals + Reimbursables)			\$	3,550

The Forgoing is Based on the Following Assumptions & Attachments

NOTE: Required tests and frequency shall be determined by the Design Professional.

APPROVALAgency Representative: Emin A. ToamaneDate: 11 July 2025

Inspection Agency: _____

Date: _____

SE-955**INSPECTION / MATERIAL TESTING ORDER****AGENCY:** SC Office of Resilience**PROJECT NAME:** Laurens County Stormwater Improvement Project - North Laurens Culverts**PROJECT NUMBER:** D30-N041-PG**MASTER AGREEMENT CONTRACT NUMBER:** _____**AGENCY INSPECTION ORDER NUMBER:** _____**INSPECTION FIRM:** Nova Engineering and Environmental**ADDRESS:** 1200 Woodruff Road, Suite F8, Greenville SC 29607**FEE INFORMATION**

Inspection Firm's services and associated fees are set forth in the attached SE-955A, Inspection / Material Testing Order Negotiation Worksheet, dated 7/2/2025, and the attachments to the Worksheet, all of which are incorporated herein by reference.

INSPECTION/TESTING FEE TOTAL:\$ 3,050.00**REIMBURSABLES:**\$ 500.00**CONTRACT TOTAL:**\$ 3,550.00**SCHEDULE****SCHEDULED START DATE:** _____**SCHEDULED COMPLETION DATE:** _____

In response to the Request for Inspection Services from the Agency, dated the 17th day of June, 2025, the Agency and Inspection Firm agree, as indicated by the signatures below, to the scope of services as described in this Inspection / Material Testing Order and the attached SE-955A shall be assigned to the Master Agreement for Inspection Services identified above.

AGENCY:**INSPECTION FIRM:****BY:** Eric G. Fosmire*(Signature of Representative)***BY:** _____*(Signature of Representative)***PRINT NAME:**Eric G. Fosmire
Chief of Staff**PRINT NAME:** _____**PRINT TITLE:**General Counsel**PRINT TITLE:** _____**DATE:**11 July 2025**DATE:** _____**INSPECTION ORDER CONSISTS OF:**

1. This Order, SE-955
2. SE-955A, Inspection / Material Testing Order Negotiation Worksheet
3. SE-962, Statement of Special Inspections Responsibilities (for Chapter 17 inspections only).

