

SE-955
INSPECTION / MATERIAL TESTING ORDER

AGENCY: South Carolina Office of Resilience
PROJECT NAME: Lake City - Highway 52 Phase 2 Stormwater Improvements
PROJECT NUMBER: State Project # D30-N006-MJ / Terracon Project # PER241030
MASTER AGREEMENT CONTRACT NUMBER: 4400023202
AGENCY INSPECTION ORDER NUMBER: _____

INSPECTION FIRM: Terracon Consultants Inc
ADDRESS: 1246 Howard Ave, Myrtle Beach, SC 29577

FEE INFORMATION


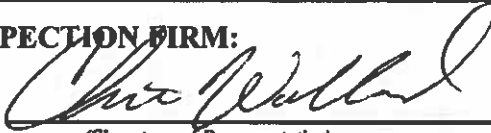
Inspection Firm's services and associated fees are set forth in the attached SE-955A, Inspection / Material Testing Order Negotiation Worksheet, dated 3/15/2024, and the attachments to the Worksheet, all of which are incorporated herein by reference.

INSPECTION/TESTING FEE TOTAL: \$ 41,295.00
REIMBURSABLES: \$ 2,295.00
CONTRACT TOTAL: \$ 43,590.00

SCHEDULE

SCHEDULED START DATE: Unknown
SCHEDULED COMPLETION DATE: Unknown

In response to the Request for Inspection Services from the Agency, dated the 16 day of February, 2024, 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: <u></u> <i>(Signature of Representative)</i>	BY: <u></u> <i>(Signature of Representative)</i>
PRINT NAME: <u>Eric G. Foswire</u>	PRINT NAME: <u>Chris Wollard</u>
PRINT TITLE: <u>Chief of Staff & General Counsel</u>	PRINT TITLE: <u>Project Manager</u>
DATE: <u>15 March 2024</u>	DATE: <u>3/15/2024</u>

- 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).

SE-955A

INSPECTION/MATERIAL TESTING ORDER NEGOTIATION WORKSHEET

AGENCY:	South Carolina Office of Resilience	
PROJECT NAME:	Lake City - Highway 52 Phase 2 Stormwater Improvements	
PROJECT NUMBER:	State Project # D30-N006-MJ / Terracon Project # ER241030	
INSPECTION FIRM:	Terracon Consultants	
PROJECT MANAGER FOR INSPECTION FIRM:		
	Chris Wollard	
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	Chris Wollard	ICC # 8200226 / SCDLLR #272
Structural Masonry		
Spray-applied Fireproofing		
Structural Steel & Bolting		
Structural Steel Welding		
Soils	Chris Wollard	ICC # 8200226 / SCDLLR #272
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	Dan Willete	SCDOT Soils and Internal Certs
Masonry Grout		
Concrete	Dan Willete	ACI Field Testing & Internal Certs
Footings		
Pile		
Deep Foundations		

SE-955A

INSPECTION/MATERIAL TESTING ORDER NEGOTIATION WORKSHEET

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				\$ -
110.3.9	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	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 (<i>seismic</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	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 (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -

SE-955A

INSPECTION/MATERIAL TESTING ORDER NEGOTIATION WORKSHEET

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 (<i>seismic</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	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 (<i>seismic</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -
IFC CHAPTER 9	INSPECTION/TESTING TYPE	NO. OF 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					\$ -

SE-955A

INSPECTION/MATERIAL TESTING ORDER NEGOTIATION WORKSHEET

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	26	156	\$ 75	\$ 11,700
Other	<i>Specify</i>				
Other	<i>Specify</i>				
	Plan Review & Major Task Pre-Planning Mtgs.				
				SECTION TOTAL	\$ 11,700
TESTING TECHINCIAN FIELD TESTS		NUMBER OF TESTS	HOURS /TESTS	TECH. HOURLY RATE	TOTAL
Soil		32	256	\$ 70	\$ 17,920
Masonry Grout					
Concrete		12	60	\$ 70	\$ 4,200
Footings					
Pile					
<i>Proofrolls by Project Manager</i>		7	35	\$ 100	\$ 3,500
Other <i>(specify)</i>					
Plan Review & Major Task Pre-Planning Mtgs.					
				SECTION TOTAL	\$ 25,620

SE-955A

INSPECTION/MATERIAL TESTING ORDER NEGOTIATION WORKSHEET

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	32	\$ 35	\$ 1,120
Other (<i>specify</i>)				
Other (<i>specify</i>)				
Other (<i>specify</i>)				
SECTION TOTAL				\$ 1,120

LAB TESTS	NO. OF TESTS	PRICE / TEST	TOTAL
Standard Proctor - ASTM D698	2	\$ 140	\$ 280
Modified Proctor - ASTM D1557	1	\$ 155	\$ 155
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	30	\$ 14	\$ 420
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 (<i>specify</i>)			\$ -
Other (<i>specify</i>)			\$ -
SECTION TOTAL			\$ 855

SE-955A

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PROJECT SUPPORT				
SUPPORT TYPE	TASKS	HOURS	HOURLY RATE	TOTAL
Project Manager	Plan Review			\$ -
	Pre-Con. Meeting			\$ -
	Milestone Meetings			\$ -
	Inspector Management	20	\$ 100	\$ 2,000
Clerical	Reports			\$ -
	General			\$ -
SECTION TOTAL				\$ 2,000
TOTAL OF ALL SECTIONS		\$ 41,295		
REIMBURSABLES		TOTAL UNITS	UNIT RATE	TOTAL
Trip Charge / Mileage (circle one)		51	\$ 45	\$ 2,295
Lodging Fees				\$ -
Per Diem Fees				\$ -
Other				\$ -
Other (specify)				\$ -
SECTION TOTAL				\$ 2,295
GRAND TOTAL (Section Totals + Reimbursables)		\$ 43,590		

The Forgoing is Based on the Following Assumptions & Attachments

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

APPROVAL

Agency Representative: Eugene S. Fournier Date: 15 MAR 2024
 Inspection Agency: Chris Walker Date: 3/15/2024



EXHIBIT C - FEE ESTIMATE
Materials Testing and Special Inspection Services
 Lake City - Hwy 52 Drainage Improvements Phase 2 ■ Lake City, SC
 Terracon Proposal No. PER231030

SERVICES	UNIT RATES	QTY	TOTAL
Concrete Construction			
Reinforced Concrete Special Inspector			
Rebar and Concrete Observations, Concrete Testing and Sampling	\$70.00 per hour	6 visits 6 hours visit	36 \$2,520.00
Concrete Sample Pick Up	\$70.00 per hour	6 visits 4 hours visit	24 \$1,680.00
Laboratory Testing and Equipment			
Concrete Compressive Strength	\$14.00 per cyl	6 tests 5 cyls set	30 \$420.00
Pavements / Miscellaneous Sitework Construction			
Project Manager			
Subgrade and Base Course Proofroll Observations	\$100.00 per hour	7 visits 5 hours visit	35 \$3,500.00
Materials Engineering Inspector			
Pipe Backfill, Subgrade, and Base Course Observations, Density Testing, and Sampling	\$70.00 per hour	25 visits 8 hours visit	200 \$14,000.00
Asphalt Observations and Density Testing	\$70.00 per hour	7 visits 8 hours visit	56 \$3,920.00
Laboratory Testing and Equipment			
Subgrade Standard Proctor Laboratory Testing (ASTM D698)	\$140.00 each	2 proctor	2 \$280.00
Base Course Modified Proctor Laboratory Testing (ASTM D1557)	\$155.00 each	1 proctor	1 \$155.00
Nuclear Gauge Rental	\$35.00 per day	32 rentals	32 \$1,120.00
		Subtotal	\$22,975.00
SWPPP / NPDES Inspections			
CEPSCI Erosion Control Inspector			
Field Observations and Inspections * Construction Schedule of 6 Months	\$75.00 per hour	26 visits 6 hours visit	156 \$11,700.00
		Subtotal	\$11,700.00
Site Visits			
Vehicle Charge (company vehicle & mileage)	\$45.00 per visit	51 visits 1 roundtrip	51 \$2,295.00
		Subtotal	\$2,295.00
Project Administration and Reporting			
Project Manager	\$100.00 per hour	20 hours	20 \$2,000.00
		Subtotal	\$2,000.00
TOTAL ESTIMATE (PAGE 1)			\$43,970.00

Note: This worksheet is a cost estimate based upon the above-listed hours, trips, and quantities and is not a guaranteed maximum price. Cost estimates for above mentioned testing were based on project documents, no work schedule was provided.