

RESOLUTION NO. 26-2012

A RESOLUTION OF THE TOWN OF MALABAR, BREVARD COUNTY, FLORIDA, PROVIDING FOR COUNCIL APPROVAL OF THE PROPOSAL FROM TRAMONETT ENTERPRISES INC, FOR REPAIR OF COUNTRY COVE CULVERTS FOR \$104,850.00; PROVIDING AN EFFECTIVE DATE.

WHEREAS, Malabar Town Council approved the method of repair for the culverts under Country Cove Circle; and

WHEREAS, the Town properly advertised the project for bid, received bids and had them reviewed by the Town Engineer; and

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MALABAR, BREVARD COUNTY, FLORIDA, that:

Section 1. The Town Council selects and approves Tramonett Enterprises, Inc. to complete the tasks outlined in the proposal for a fixed price of \$104,850.00.

Section 2. The Town Council of Malabar, Brevard County, Florida, hereby authorizes and directs the Town Administrator to execute the contract for this Project.

Section 3. The Town Council of Malabar, Brevard County, Florida, hereby directs the Town Clerk to formally notify Tramonett Enterprises, Inc. that their proposal has been accepted for this Project.

Section 4. This resolution shall take effect immediately upon its adoption

This Resolution was moved for adoption by Council Member Beatty.

This motion was seconded by Council Member Rivet and, upon being put to vote, the vote was as follows:

Council Member Carl Beatty	Aye
Council Member David White	Excused
Council Member Steven (Steve) Rivet	Aye

Council Member Jeffrey (Jeff) McKnight Excused

Council Member Marisa Acquaviva Aye

This Resolution was then declared to be duly passed and adopted this 12th day of August, 2012.

By:
TOWN OF MALABAR
Phillip R. Crews
Mayor Phillip R. Crews
Council Chair

ATTEST:

Debby K. Franklin
Debby K. Franklin, C.M.C.
Town Clerk/Treasurer

(seal)

Approved as to form and content:

Karl W. Bohn, Jr.
Karl W. Bohn, Jr., Town Attorney

Bid Opening Sept. 06, 2012 @ 2:10 PM

Time Adjourned @ 2:16 PM

Present:

Morris Smith Town Engineer
Cindi Kelley Deputy Town Clerk
Bonnie Wilbanks Town Administrator

Also Present: Scott Hayman, PM Construction & Rehab., LLC

Request For Proposal (RFP) 12-05

Pipe Rehabilitation for the Country Cove Bridge Culverts

#	Contractor	Proposed Bid
1.	PM Construction and Rehab, LLC	\$165,056.00
2.	Tramonett Enterprises, Inc.	\$104,850.00
3.	Coastal Gunite Construction Company	\$79,725.00
4.	Titan Construction Management, LLC	\$163,703.00

"Pipe Rehabilitation for the Country Cove Bridge Culverts RFP 12-05"

Town of Malabar
Town Administrator
2725 Malabar Road
Malabar, FL 32950

Submitting Vendor: Tramonett Enterprises, Inc.
Submittal Date: September 6, 2012

Table of Contents

Introduction

- 1) Project Scope
 - 2) Quality Control
 - 3) Procedure
 - 4) Included Services
 - 5) Warranty
 - 6) Proposed Cost
 - 7) Equipment Parking Request
- Attachment One – Materials Manufacturer's Technical Data Sheet
Attachment Two – Illustration of Cast Cement Liner Cross-Section View

Tramonett Enterprises Incorporated (TEI) is pleased to submit the following proposal in compliance with the Town of Malabar RFP # 12-05.

1) Project Scope: In accordance with the RFP, this proposal brings a High Strength cementitious Cast-in-Place liner through a spray application of material, yielding above 8000-psi compressive strength. This procedure will provide structural renewal for two (2) corrugated metal arch pipes located on Country Cove Circle. The culverts measure - 83" x 128" in cross section dimension, with 46 feet and 51 feet for a total of 97' lineal measure. The finished liner will provide a minimum 2" thickness, measured at the highest point of the interior corrugation. (See Illustration Attached)

2) Quality Control: The cement material is designed to yield above 8000 psi compressive strength. The material manufacturer Technical Data Sheet is provided for documentation (See Attached). Material testing shall be provided by KSM Engineering and Testing in Sebastian, FL. The lab results shall be the property of the Town of Malabar. Compressive Strength verification shall be conducted as follows: Material sampling will be random, retrieved in 2 inch standard cubes taken on each day material batch mixing occurs. Sufficient cubes will allow for break testing on 7 day, 14 day and 28 day intervals. The compressive strength test results will be signed and sealed by KSM Engineering and Testing, and provided to the Town of Malabar as a project deliverable.

3) **Procedure:** The TEI crew will dam, de-water and de-silt one culvert at a time. Once the turbidity barrier is in place, surface preparation begins with high-pressure water blasting and removal of heavy scale. Direct injecting of high strength cement will seal perforation before spray application of the initial material to fill the corrugation inverts. Approximately one inch of cement material is applied to fill the corrugation inverts, stabilizing the structure. The uniform spraying process is applied in layers until the desired 2" (two-inch) thickness is reached. Allowing one night for cement cure, the flow of water is restored. Complying with the RFP weekday work hour stipulation, TEI anticipates 15 days to repeat our process and complete both culverts for inspection.

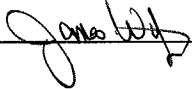
4) Services Included:

- Provide Maintenance of Traffic.
- Install floating siltation barrier outside the opening to each pipe.
- Install earthen dam outside each pipe opening, within the floating silt barrier.
- Continuously de-water interior of pipe to provide a dry working environment.
- Prepare interior surface of the existing culverts for cementitious spray.
- Apply spray lining in accordance with manufacturer's specifications.
- Hand trowel finish for the final cement liner interior surface.
- Maintain vertical wall flagstones – sponge away all material overspray.
- Remove earthen dams, turbidity barriers and restore water flow.
- Restore work staging area and pond shorelines to as-good or better condition.

5) **Warranty:** As the vendor, TEI is providing warranty of (3) three years, along with the materials manufacturer, covering materials and workmanship. Said warranty will comply with the language as found in section II, paragraph C of the RFP.

6) Complete Cast-In-Place Cement procedure as described above: \$104,850.00

7) **Equipment Parking and Material Storage:** In the event that TEI is the accepted proposer and awarded the contract for services we make the following request: Parking during non-working hours for TEI equipment in the Town of Malabar Public Works compound. Covered storage for the palletized cement material to minimize exposure to moisture. It is understood the Town of Malabar would not be help responsible in any capacity should this request be accommodated.

Contractor/Proposer _____  _____ Date 9/6/12

James R. Witherington
Tramonett Enterprises, Inc.
7740 Temple Terrace Highway
Tampa, FL 33637
813-300-4653
jcbwitherington@gmail.com

RELINER MSP CEMENT

Sewer Manhole Rehabilitation Cement Liner.

Physical Properties Data

GENERAL DESCRIPTION

RELINER MSP CEMENT is a factory blended, single component, high strength cement concentrate. This comprehensive, polymer-modified Portland cement compound is a blend of highly reactive cements, pozzolanic materials, a calcium aluminate or microsilica based admixture, polypropylene fibers, and other selective ingredients, which impart greater workability for placement. The cement is stocked in 75-pound bags.

USES

- Restore the sewer manhole's structural integrity, seal walls and annular spaces around pipes and in pipe joints.
- Stop water infiltration or exfiltration in sanitary sewer manholes, at the cast iron frames, top to bottom and in the invert sections.
- Fiber-reinforced to reduce shrinkage cracking.
- Repair brick, concrete and Fiberglas manhole walls, wet well chambers, concrete pipe and sumps.
- Improved strength and lower permeability.

COLOR

The cement concentrate is light to dark gray in color.

PACKAGING

Available in 75-pound bags, pallets and truck load quantities.

COVERAGE

18.8 square feet ½ inch thickness
9.5 square feet 1 inch thickness

YEILD

.67 cubic feet
.36 water to cement ratio

STORAGE

Store under dry conditions at 70 degrees F. No modification or changes should be made to this material or the manufacturer's

recommendations for handling, mixing, placing and finishing of this product.

THE SEWER MANHOLE REPAIR SYSTEM

Use the Reliner MSP Cement liner to repair sewer manholes. Apply the cement based coating material over the manhole brick or concrete to restore structural integrity, stop water infiltration and increase long-term durability. The brick surface is red in color and the cement is gray.



MIXING

The RELINER MSP CEMENT comes blended, ready to use dry in a paper bag. It is ready to use. Simply add potable water (add a course aggregate, if desired) and mix to a uniform consistency. This product complies with or exceeds specific ASTM STANDARD SPECIFICATIONS FOR CONCRETE AND AGGREGATES, Volume 04.02.89. Use clean water and soap for clean up. Rinse thoroughly.

PHYSICAL PROPERTIES

	Strength	psi
Compressive, f'c	ASTM C 143	8,000
	ASTM C 109	11,610
2 inch cube at 24 hours	ASTM C 267	11,000
	ASTM C 39	2,500
	AASHTO T22	8,000
Split Tensile	ASTM C 496	570
Flexural	ASTM C 78	1,410
Bond	ACI 503 R89	890
Chemical Resistance		
pH 2.2	ASTM C 267	0.2
Drying Shrinkage at 90% RH	ASTM C 596	.014
Permeability	AASHTO T 277	280
	ASTM D 1653	0.415 grains/ ft ² / hr
Density, pounds per cubic foot		117
□ Test Result at 28 days		

PROTECTION LEVEL

The RELINER MSP CEMENT provides increased resistance and protection levels against the effects of aggressive water found in a sewer environment. The cement forms a permanent seal against water and resists penetrations by substances such as fats, oils, gases chloride ions, mild acids, sulfates and ground water.

EQUIPMENT

The certified applicator must use a manufacturer's approved cement mixer and pneumatic pump to spray apply the cement material. The preferred equipment must meet or exceeds the manufacturers requirements. Use a fully functional pump, which supplies 350-psi line pressure and 11 cfm air pressure volume at the nozzle.

PLACEMENT

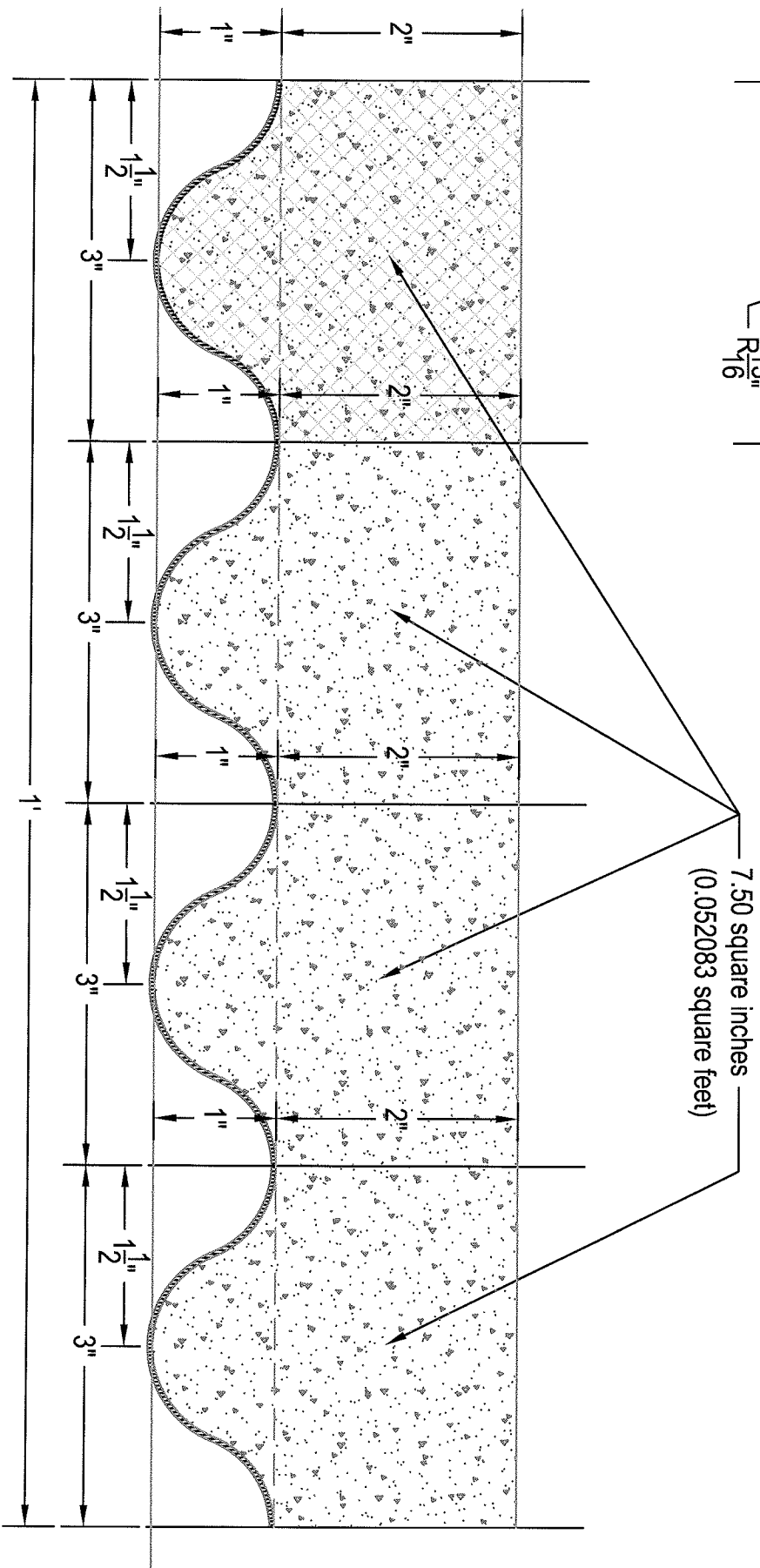
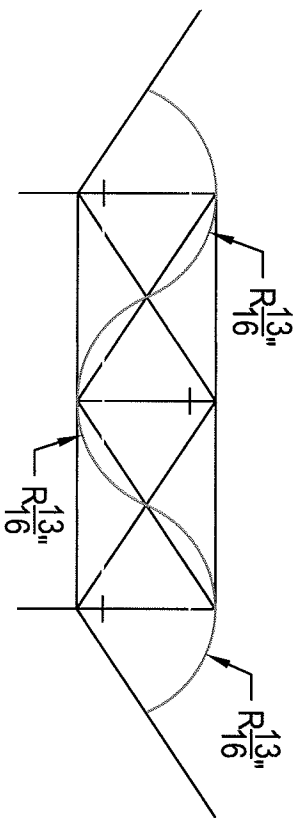
This cementitious product does not effect the set time of cement. Trail mixes and pretesting of all cement materials is recommended. Follow ACI 302 "GUIDE FOR CONCRETE FLOORS AND SLAB CONSTRUCTION" and ACI 308 "STANDARD PRACTICE FOR CURING CONCRETE" to avoid any potential problems due to shrinkage cracking. These guidelines should be followed to ensure that problems due to decreased bleeding are minimized. Contact a Standard Cement Materials representative for technical assistance.

CURING

The most effective method for curing concrete depends upon each specific circumstance. For most jobs, normal curing is adequate, however in some cases, such as hot and cold weather, high strength and polymer modified concretes special care is sometimes needed. Therefore, it is important to keep the concrete moist and at a favorable temperature during the early hardening period. Use moist curing methods, immersion, spray or fog misting and saturated wet coverings to prevent loss of water from the concrete. These methods afford some cooling through evaporation, which is beneficial in hot weather. The combination of methods depends on factors such as availability of curing materials, size and shape of the concrete and economics.

Standard Cement Materials, Inc.
5710 West 34th Street, Suite A
Houston, TX 77092
1. 888. 278-1337

email: sales@standardcement.com
All rights reserved. January 2002.



0.05283 square feet x 4 = 0.2083 square feet per 1 foot of pipe