Florida Department of Transportation

RICK SCOTT
GOVERNOR

719 S. Woodland Blvd.
DeLand, FL 32720

ANANTH PRASAD, P.E.
SECRETARY

November 7, 2014

ADDENDUM NO. 1

To: PROSPECTIVE BIDDERS

FINANCIAL PROJECT NUMBER: 42798617209
CONTRACT NUMBER: E5T72
COUNTY: Volusia
DESCRIPTION: Routine Maintenance

SUPPLEMENTAL SPECIFICATION PACKAGE NUMBER ONE

The 2014 edition of the Florida Department of Transportation Standard Specifications and the original Specification package for this project, dated September 2, 2014, are revised to include the Supplemental Specification Package, 6 pages, dated November 6, 2014 attached.

Please go to the online ordering website, https://www3.dot.state.fl.us/ContractProposalProcessingOnlineOrdering/ to download the documentation titled E5T72Addendum1.

AMENDMENT NOTIFICATION

If you are a BID DOCUMENT HOLDER for the subject project, please go to the Online Ordering Web Site at https://www3.dot.state.fl.us/ContractProposalProcessingOnlineOrdering/ to download E5T72Amendment001 for this Bid Document from your Order History.

If you are a BID DOCUMENT HOLDER, please acknowledge receipt of this Addendum in Expedite Bid by opening the Acceptance of Bidding Acknowledgements folder and confirming your acknowledgement of Amendment and Addenda files. Failure to load all amendment files will cause the bid to be rejected.

Please sign the Addendum in the space provided and email, mail or fax back verifying receipt. If you have any further questions please contact Jamie Carter at (386) 943-5525 or by email at Jamie.Carter@dot.state.fl.us or fax to: (850) 412-8092.

Sincerely,

Roger Masten
District Contracts Administrator
District Five

Received by: _____

Company: _____

Date: _____

November 6, 2014
PREPARED BY: JM

SUPPLEMENTAL SPECIFICATIONS PACKAGE NUMBER ONE
FOR
FINANCIAL PROJECT ID(S). 427986-1-72-09
CONTRACT NO. E5T27
150 CALENDAR DAYS

LINING AND CLEANING VARIOUS SECTIONS OF STORM DRAIN PIPES ON SR 44
FROM MONTGOMERY AVENUE TO VOORHIS AVENUE

DISTRICT FIVE
VOLUSIA COUNTY

The 2014 Edition of the Florida Department of Transportation Standard Specifications, the Specification Package for this project, dated September 2, 2014, attached thereto, are revised as follows:

I hereby certify that this specifications package has been properly prepared by me, or under my responsible charge, in accordance with procedures adopted by the Florida Department of Transportation.

The official record of this package is the electronic file signed and sealed under Rule 61G 15-23.003, F.A.C.

Name: Albert F. Neumann, P.E. No. 72974
Page(s): 1-6

TECHNICAL SPECIAL PROVISIONS.

The following Technical Special Provisions are individually signed and sealed but are included as part of this Specifications Package.

TECHNICAL SPECIAL PROVISION

FOR

SECTION 427 – CHEMICALLY SEAL AND REPAIR DRAINAGE STRUCTURES

FINANCIAL PROJECT ID: 427986-1-72-09

The official record of this Technical Special Provision is the electronic file signed and sealed under Rule 61G 15-23.003, F.A.C.

Name: Albert F. Neumann P.E. No. 72974
Pages: Pages 1-3

The following new Technical Special Provision (TSP) is inserted after Section 425:

SECTION 427

427 CHEMICALLY SEAL AND REPAIR DRAINAGE STRUCTURES.

427-1 Description.
Seal and repair inlets, manholes, junction boxes, and other drainage structures, including the structure's base, walls, top slab, riser, cone, and inlet tops.

427-2 Equipment.
Supply the necessary equipment and supplies.

427-3 Safety.
Meet OSHA requirements for the type of work performed. Provide redundant storm drain plugs. Ensure all workers have means of rapid egress. Provide adequate ventilation.

427-4 Storm Water Flow Control.
Control stormwater flow in a manner that does not allow the water to rise above the rim of any drainage structure within the system, and does not allow ponding in the travel lane.

427-5 Materials.
All materials containers shall be undamaged and unopened, and show the manufacturer's original labels. All materials shall be mixed and installed per the manufacture's recommendations.

Hydrophobic polyurethane foam seal materials will meet the following requirements:

Uncured Material

Viscosity shall be less than 900 cps

Cured Material

Water absorption is less than 10% as measured per ASTM D-2127

Shrinkage is less than 1% as measured per ASTM D-2126

The cured polyurethane foam shall adhere tightly to the pipe materials during wet and dry periods.

Epoxy Resins

Epoxy resin compounds shall meet the requirements of FDOT Specification Section 926.

Non-Shrink Cement Grout Materials

Non-shrink grout materials shall meet the requirements of FDOT Specification Section 934 Non-Shrink Grouts.

427-6 Sealant Installation.
Remove all foreign material from the surfaces to allow a visual inspection of the structure. Carefully drill injection holes through each structure wall, including the floor. The maximum horizontal distance between any two holes is 4 feet and the maximum vertical distance is 3 feet. Insert mechanical injection packer fittings. Inject the sealing material into the bottom holes first, then proceed to the upper injection holes. Record the refusal pressure. Allow the sealant to cure. Remove the injection packer fittings and seal the injection holes with epoxy flush with the surface. Remove surplus material. Jetting or driving pipes from the ground surface, or open-cutting will not be allowed.

427-8 Material Refusal Pressure.
Sealant refusal pressure shall be a minimum of 7 psi and shall not exceed 10 psi.

427-9 Repair Drainage Structure Interior.
Repair the interior of the drainage structures per Design Standards 200 and 201. Remove deteriorated mortar, concrete and bricks. Repair drainage structures with non-shrink grout meeting Specification Sections 425 and 934. Restore existing drainage structure inverts per Design Standard 201, Detail "*All Pipe Types Drainage Structure Inverts*". Repair joints between drainage structure and drainage pipe per Design Standard 201, Detail "*Insert A*". Small quantities of non-structural concrete will meet Specification Section 347-3.4.

427-10 Method of Measurement.

Payment includes all labor, materials, and incidentals specified in this Section. The payment quantity is the number of drainage structures satisfactorily sealed and repaired. Payment shall be made under:

Pay Item No. 0425 -2-110 Manholes, Repair, EA

THIS COMPLETES THIS SUPPLEMENTAL SPECIFICATIONS PACKAGE