



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

August 27, 2024

Cathy Kendall
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: 449
Proposed Specification: **4490100 Precast Concrete Drainage Products**

Dear Ms. Kendall:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Olive Chung to update formatting consistent with BABA compliance and correct reference to QC Managers Stamp.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.
State Specifications Engineer

DS/jb

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

PRECAST CONCRETE DRAINAGE PRODUCTS
(REV 8-23-24)

ARTICLE 449-1 is deleted and the following substituted:

449-1 Description.

Precast concrete drainage products hereinafter called products, may include but are not limited to, round concrete pipe, elliptical concrete pipe, underdrains, manholes, endwalls, inlets, junction boxes, three-sided precast concrete culverts, and precast concrete box culverts.

Ensure that all precast drainage products are designed and manufactured in accordance with the requirements of the Contract Documents.

Obtain precast concrete pipes, box culverts, and drainage structures from a plant that is currently on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

At the beginning of each project, submit a notarized certification statement to the Engineer from a company designated representative certifying that the plant will manufacture the products in accordance with the requirements set forth in the Contract Documents and Producer Quality Control (QC) Plan. The ~~Quality Control Manager's stamp~~ Production Facility Quality Control Stamp on each product indicates certification that the product was fabricated in conformance with the Producer QC Plan, the Contract, and this Section. Ensure that each shipment of precast concrete products to the project site is accompanied with a QC signed or stamped delivery ticket providing the description and the list of the products.

When the Producer Quality Control Program is suspended by the Department, accept responsibility of either obtaining products from a plant with an approved Quality Control Program, or await re-approval of the plant. The Engineer will not allow changes in Contract Time or completion dates as a result of the plant's loss of qualification. Accept responsibility for all delay costs or other costs associated with the loss of the plant's qualification.

ARTICLE 449-2 is deleted and the following substituted:

449-2 Materials.

Ensure that the materials used for the construction of the precast drainage products have a certification statement from the source, showing that they meet the applicable requirements of the Specifications with the following modifications:

Reinforcing for Concrete <u>Bar</u>	Section 415
Coarse Aggregate §. **	Section 901
Fine Aggregate §. **	Section 902
Portland Cement and B lended C ement*	Section 921
Water	Section 923
Admixtures <u>for Concrete</u>	Section 924
<u>Epoxy Compounds, Type F-1</u>	<u>Section 926</u>
Supplementary Cementitious Materials	Section 929
Gasket Material	Section 942
Blended Hydraulic Cements	AASHTO M 240
Welded Wire Reinforcement	Section 931

Wire for Site Cage MachinesSection 931

Liner Repair SystemsSection 948

*Use products on the Department's Approved Product List (APL).

**For concrete pipes the gradation requirements of concrete aggregates as set forth in Sections 901 and 902 are not applicable.

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At the beginning of each project, submit a notarized certification statement to the Engineer from a company designated representative certifying that the plant will manufacture the products in accordance with the requirements set forth in the Contract Documents and Producer Quality Control (QC) Plan. The Production Facility Quality Control Stamp on each product indicates certification that the product was fabricated in conformance with the Producer QC Plan, the Contract, and this Section. Ensure that each shipment of precast concrete products to the project site is accompanied with a QC signed or stamped delivery ticket providing the description and the list of the products.

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ARTICLE 449-2 is deleted and the following substituted:

449-2 Materials.

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Fine Aggregate**	Section 902
Portland Cement and Blended Cement*	Section 921
Water	Section 923
Admixtures for Concrete.....	Section 924
Epoxy Compounds, Type F-1	Section 926
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