

# **ORIGINATION FORM**

## **Specifications 410, 415,449, 548, 901, and 931**

Date: **10 14-2013**

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Specification Title: Section 410 Precast Concrete Box Culvert

Section 415 Reinforcing Steel

Section 449 Precast Concrete Drainage Products

Section 548 Retaining Wall System

Section 901 Coarse Aggregate

Section 931 Metal Accessory Materials for Concrete Pavement and  
Concrete Structures

Specification Section, Article, or Subarticle Number:

Subarticle 548 -2.3; Article 548-7; Subarticle 931-1.2; Subarticle 901-1.2; Article 410-2; Article 415-6;  
Article 449-2

**Rabbit Trail changes 3500100, 3500702, 4002303, 4150200, 4500301.**

Why does the existing language need to be changed?

ASTM Standards A 82, A 185, A 496 and A 497 have been replaced with modified ASTM A 1064.  
The terminology Welded Wire Fabric has been replaced with Welded Wire Reinforcement.

Article 548-7 is expanded to allow shipment of precast concrete products after 72- hour curing period  
and attainment of the 28-day compressive strength

Summary of the changes: The following are the summary of changes in each document.

- 1- Subarticle 548 -2.3: Replace ASTM A 82 and A 185 with ASTM A 1064.
- 2- Article 548-7: The article is expanded to allow shipment of precast concrete products after 72-  
hour curing period and attainment of the 28-day compressive strength
- 3- Subarticle 931-1.2: The AASHTO M55 and M 221 have been deleted. ASTM A 1064 covers the  
requirements.
- 4- Subarticle 901-1.2: The terminology Welded Wire Fabric has been replaced with Welded Wire  
Reinforcement.



## *Florida Department of Transportation*

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**ANANTH PRASAD, P.E.**  
SECRETARY

### **M E M O R A N D U M**

**DATE:** November 14, 2013  
**TO:** Specification Review Distribution List  
**FROM:** Daniel Scheer, P.E., State Specifications Engineer  
**SUBJECT:** Proposed Specification: **4002303 Concrete Structures.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Ghulam Mujtaba to replace the terminology Welded Wire Fabric with Welded Wire Reinforcement.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **December 12, 2013**, may not be considered. Your input is encouraged.

DS/cah  
Attachment

**CONCRETE STRUCTURES.****(REV 11-5-13)**

SUBARTICLE 400-23.3 is deleted and the following substituted:

**400-23.3 Reinforcing Steel:** Reinforcing steel will be measured and paid for as provided in Section 415, except that no separate payment will be made for the ~~fabrie~~*welded wire* reinforcement used in concrete jackets on steel piles or reinforcement contained in barriers, traffic separators or parapets. Where so indicated in the plans, the Department will not separately pay for reinforcing steel used in incidental concrete work, but the cost of such reinforcement shall be included in the Contract unit price for the concrete.

5- Article 410-2: ASTM A 82, ASTM A 496 and ASTM A 615 are deleted and replaced with ASTM A 1064.

6- Article 415-6: Welded Deformed Steel Welded Wire Reinforcement.

7- Article 449-2: ASTM A 82, ASTM A 496, A 185, A 497 and ASTM A 615 are deleted and replaced with ASTM A 1064.

Are these changes applicable to all Department jobs? **Yes**  
If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? **No**  
If yes, what is the estimated change in costs?

With who have you discussed these changes? The propose changes have been discussed with the colleagues at the following offices:

1- Steven Nolan, P.E. Structures Design Engineer  
FDOT District 7 Structures Design

2- Gevin J. McDaniel, P.E.  
Senior Structures Design Engineer  
FDOT Structures Design Office

What other offices will be impacted by these changes? **District Materials and Construction Offices**

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? **NO**

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? **No**

Contact the State Specifications Office for assistance in completing this form.

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