

Florida Department of Transportation

RICK SCOTT GOVERNOR 605 Suwannee Street Tallahassee, FL 32399-0450 JIM BOXOLD SECRETARY

September 15, 2015

DCE MEMORANDUM NO. 17-15

(FHWA Approved: 9/14/2015)

This Memo has expired

TO:

DISTRICT CONSTRUCTION ENGINEERS

FROM:

David A. Sadler, P.E., Director, Office of Construction

COPIES:

Tom Byron, Amy Tootle, Bob Burleson, Nick Finch, Rafiq Darji

SUBJECT:

UNREINFORCED CONCRETE BARRIER WALLS – DISPOSITION OF

CRACKS

Specification 521-7 states, "Cracks in unreinforced, plain concrete barrier walls as detailed in Design Standards, Index No. 410 do not require repair unless directed by the Engineer." To promote consistency, the following is provided for the repair of such walls. While project specific aesthetics require may necessitate additional treatments, the table below is to be used when determining the disposition of cracks in cast-in-place or slip-formed unreinforced concrete barrier wall.

DISPOSITION OF UNREINFORCED CONCRETE BARRIER WALL CRACKS ⁽³⁾	
Crack Width (x, in inches) (1)	REMEDIAL ACTION
x ≤ 0.125	No Treatment
$0.125 < x \le 0.375$	Silicone Seal ⁽²⁾
x > 0.375	Remove and replace or repair as directed by the Engineer

⁽¹⁾ Crack Width is determined by taking the widest value of the crack.

If you have any questions, please call Dan Hurtado at 850-414-4155. DAS/dh

⁽²⁾ Seal cracks with a low-modulus Type A sealant per Section 932. Use only silicone sealant that is compatible with previously applied materials and future finishes.

⁽³⁾ When possible, seal cracks only after it has been determined that no additional growth will occur.