



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

December 19, 2003

MEMORANDUM

TO: District Structures Design Engineers
(Gerard Moliere, Rod Nelson, Keith Shores, John Danielsen,
Neil Kenis, Kim Saing, Jose Rodriguez, and Agnes Spielmann)
District Construction Engineers
(Jon Sands, Henry Haggerty, Steve Benak, Jennifer Olson, Frank O'Dea,
Mark Croft, Jim Moulton, Jr., Thomas Driscoll)

FROM: William N. Nickas, P.E., State Structures Design Engineer
Ananth Prasad, P.E., State Construction Engineer

COPIES: Assistant Secretary, Ken Morefield,
State Highway Engineer, Freddie Simmons,
Director Office of Design, Bob Greer,
State Roadway Design Engineer, Brian Blanchard
State Specifications Engineer, Duane Brautigam
State Maintenance Engineer, Sharon Holmes

SUBJECT: **Temporary Design Bulletin C03-13**
DCE Memorandum No. 36-03
Design Standard Index No. 521 and Structures Standard Index No. 870 – Hollaender
Manufacturing Co. "Speedrail" Connections.

REQUIREMENTS:

The Miscellaneous Items Handrail System category will be deleted from the Qualified Products List (QPL) due to the deletion of Index 521 from the 2004 Design Standards. This will result in deletion of Hollaender Manufacturing Co. "Speedrail" connections #3, #5, #7, #48 and #70 from the QPL. By this Memorandum these connections are still approved for use on Index No. 521 Aluminum 2 & 3 Pipe Handrails for projects using this Design Standard, and for repair of existing Index No. 521 Aluminum Handrails, until further notice. Project approval of handrail systems using these connections will continue to be through the established shop drawing submittal process. Filling of the setscrew holes with an epoxy gel (to prevent theft) is still required in accordance with the original provisional QPL approval granted for these connections.

"Speedrail" connections are not approved for use on Structures Standard Index No. 870 at this time. Approval of any proprietary railing system for Structures Standard Index No. 870 will be posted on the QPL website upon satisfactory review of the design documentation submitted in accordance with the "Alternate Design" Note on the Structures Standard Index No. 870. Any proprietary railing system approved for Index No. 870 will also be shown as approved for use on Index No. 521 under the QPL Comments & Limitations section. These approvals will be based on complete railing systems with fully detailed drawings that will be available on the QPL website. Project specific shop drawings will still be

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required for these pre-approved alternate designs showing the railing geometry, post spacing, expansion joint location and QPL system proposed by the Contractor.

Structures Standard Index No. 870 and QPL approved alternate designs, may be substituted for Design Standard Index No. 521 on all current and future projects.

COMMENTARY:

No design or evaluation criteria, is shown on Design Standards Index No. 521 or the referenced Specification Section 515 to approve Alternate Designs for railing systems or components under the QPL. Additionally, the QPL will not be used to approve individual component parts for railing systems, only complete railing systems will be evaluated for approval.

The "Speedrail" connections continue to be approved for use on Design Standards Index No. 521 based on previous evaluations and satisfactory historical performance, however a "Speedrail" railing system has not been submitted for QPL approval under Structures Standard Index No. 870 at this time.

Design Standards Index No. 521 will not be used for projects let after June 2004, at which time only Structures Standard Index No. 870 railings should be used to protect drop-off hazards up to 2'-6" in height.

WNN/sjn