

4501204 PRECAST PRESTRESSED CONCRETE CONSTRUCTION
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Charles Boyd
414-4275

Comment: (Internal: 4-27-10)
Revise as follows:

450-12.4 Bearing Areas: Consider the bearing area to extend from the end of the product to 3 inches beyond the edge of the bearing contact area for the full product width. ~~Treat minor defects in the bearing area in accordance with 400-11.~~

Do not allow the bearing plate or bearing area plane of precast prestressed concrete beam and slab units to deviate from a true plane by more than 1/8 inch when both bearing areas of a unit are tested on a level plane. Provide a bearing plate or bearing area that also proves to be a true plane when tested in all directions of the plane surface with a steel straightedge. In the event that a 100% true plane is not achieved, the Engineer will accept a surface having not less than 80% of its plan area in a true plane provided the deviations from such true plane are evenly distributed. Remove minor convex projections by grinding with an abrasive stone. The Engineer will accept minor depressions, provided that they amount to not more than 20% of the bearing area, are evenly distributed over the entire bearing area, and are not deeper than 1/8 inch.

Response:

Thomas Bowles
941-204-5987
tom.b@russellengineering.com

Comment: (5-20-10)

It is assumed that it is the Departments intent to have bearing area on prestressed units evaluated by the FDOT Pre-stress Engineer at the Pre-stress yard prior to shipment. Further assumed that the FDOT Stamp on a beam or other structural element relieves Field Inspectors of the need to check those surfaces upon arrival at the job-site. If this is not the case then the provision should be re-evaluated by the Specifications Office.

Response:
