

4000200 Concrete Structures.  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (10-12-11) Text: The problem statement on the Origination form states: Weep holes in box culverts are not always required by design; however the FDOT Specifications currently requires weep hole in all box culverts. This should probably be corrected since current specifications only require weep holes in culverts with a wall height in excess of 5'. The origination form does not indicate whether or not there is a corresponding change to the Plans Preparation Manual associated with this change. Since the proposed specification change will now require weep holes for culverts to be shown in the Plans, it is suggested to confirm that this requirement is also included in the PPM. It is suggested that paragraph 1 of 400-6 be modified to simply state: Provide weep holes in all abutments and retaining walls. Provide a continuous underdrain for box culverts in accordance with Design Standard Index No. 289. Provide weep holes for culverts when shown in the Plans. The plans (or a Standard Index) should provide all additional prescriptive elements (details) which are outlined in the current & proposed specifications, including but not limited to: • Symmetrically located weep holes. • Weep holes that are 3" in diameter & not more than 10' apart. • Weep holes that are not placed under areas of base or pavement. • Outlet ends of weep holes placed just above the ground line in front of abutments & retaining walls. • Weep holes on culverts that are placed approximately 6" above the interior floor slab. • Exterior openings of weep holes covered with galvanized mesh with a minimum of 2cf of clean, broken stone or gravel wrapped in Type D 3 filter fabric.

Response:

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Pat McCann  
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Comments: (11-9-11) District 4 Construction has the following comments. "Provide a continuous underdrain for box culverts in accordance with Design Standard Index No. 289." I don't see any mention of underdrains in STD 289.

Response:

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