

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures

Date May 1, 2008

Attention All Employees

Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject Method's Memo No. 198 (Use of Profile Grade Line on Bridge Plans)
Bridge Design Manual 5.2.4.1.2

A change has been made to section "5.2.4.1.2 Detailing" of the Bridge Design Manual in regard to the providing "Profile Grade Line" information on the Top of Slab Elevation sheet on the Office's bridge plans. See revision below:

"For PPCB or CWPG bridges without super-elevation, top of slab elevations in the transverse direction are to be shown at centerline of approach roadway, ~~at profile grade line~~ [OBS MM No. 94], at all beam lines, at each gutter line, and at the longitudinal construction joint, if required for staged construction.

On super-elevated decks, the centerline of approach roadway, ~~the profile grade line~~, the edge of slab, the gutter line, and all beam line elevations are to be shown on the plans. If a longitudinal construction joint is required for staged construction, elevations also are to be shown at the joint.

In addition, the "Profile Grade Line" should be located and identified on the "Top of Slab Elevation" sheet; however no elevations should be provided (MM No. 198)."

There has been some confusion in the field with the PGL for 4 lane divided highways. We would still like to provide the PGL location, but feel not showing the elevations would help reduce this confusion.

This revision should be made to all projects that have not yet been turned in. If you have any questions please check with me.

GAN/dgb/bj