

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date January 30, 2004
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Methods Memo No. 85(Layout for Bridges on Four Lane Highways)

Based on comments from the field, please use the following guidelines when developing details for bridges on four lane divided highways.

1. Do not use the term "Centerline of Bridge Roadway" in the plans.
2. On the staking diagram, show all measurements off "Centerline of Approach Roadway". The "Centerline of the Profile Grade Line" may be shown on the staking diagram but must not be referenced to the "Centerline of Approach Roadway".
3. Show the "Profile Grade Line" on the Situation Plan and on the Top of Slab Elevation sheet.
4. In the bridge plans designate the bridge centerline as "Centerline of Bridge", "Centerline of Abutment", "Centerline of Pier". Details should also include "Centerline of Approach Roadway" and the offset to the centerline of the bridge unit.
5. Stations on the "Situation Plan" view should be based on the "Centerline of Approach Roadway". The elevations shown in the "Longitudinal Section Along Centerline of Approach Roadway" should coincide with the stations shown in the "Situation Plan" view.

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