

## **SITUATION AND LAYOUT FOR RAILROAD CROSSINGS**

### **GENERAL**

The Situation and Layout for Railroad crossings shall be the same as for Highways & Waterways with the addition of the following data.

### **PLAN VIEW**

- Show the railroad milepost at the intersection with the highway and direction of increasing railroad milepost.
- Show the limits of the railroad Right of Way.
- Show the Township, Range, and Section data.
- Identify each track as mainline, siding, spur, etc. and show track spacing dimensions.
- Show all access roadways.
- Show the point of minimum horizontal and vertical clearance and the distance from the nearest track.
- Show any utilities crossing the structure and show the location of any deck drains. No deck drains will be installed over the railroad right of way. Show all utilities in the vicinity of the railroad (if none, a note should state "No known utilities").

### **ELEVATION VIEW**

- Show the minimum vertical clearance taken from the top of rail.
- Distance between the top of pier footings and top of rail.
- Show the abutment slope protection and call out the slope perpendicular to the railroad.
- Show Railroad drainage ditches. (Make sure they are unobstructed by the construction)
- Show existing and future track locations.
- Show limits of fencing and protective railing or splashboards.

### **TYPICAL SECTION**

- Identify superstructure structural members.
- Show type of railing/fencing and height.

### **RAILROAD CONSTRUCTION CLEARANCES**

- Show an Elevation view that has minimum horizontal and vertical construction clearances.

### **PROFILE DATA**

- Show the railroad profile grades at top of rail for 1000' each side of the structure.

### **DESIGN NOTES & GENERAL NOTES**

The Notes shown on pages B17.1A thru B17.1D of the Bridge LRFD Manual are intended to be used as a checklist for the usual situation and should be modified to fit each individual case.

### **RAILROAD DETAILS**

Add page B2.5 that shows Railroad clearances, shoring requirements, and construction clearances.

### **Revisions:**

June 2006	Article was renumbered to 17.3 to allow for new article 17.1.
April 2008	Referenced new Design & General Notes drawings B17.1A – B17.1D.
Sept 2012	Added reference to Railroad Details, page B2.5