

omitted. The bridge design unit will specify its choice between contours (Option 1) at the site or profiles (Option 2) along each edge of shoulder. The location of the stream channel shall be identified between a point two hundred feet (**200 ft**) downstream of the structure and a point two hundred feet (**200 ft**) upstream of the structure. **Consultation between the District Hydraulic Unit and the District Survey Manager is required and will be documented prior to the survey to identify exactly what data is needed for the given situation.**

Class III Site Survey - Longitudinal Encroachments

Cross-sections shall be obtained for the full width of the flood plain. They shall be located at 200 feet \pm intervals from a point 500 feet \pm downstream of the anticipated encroachment to a point 500 feet \pm upstream of the anticipated encroachment. A continuous channel bed profile is required through the area that is cross-sectioned.

Sec. 7.09.3 Site Data

The CADD file should show the following from left to right:

1. Title Block - Route, Project, Date, Legend, Utility Owners, etc.
2. The profiles of the site area will be plotted under the site plan unless modified, if modified the profiles will be plotted to the right of the location survey.
3. The stream traverse (i.e. streambed, normal water, etc.), grade separation or railroad profiles will be plotted to the right of the profiles of the situation portion.
4. Flood plain cross-sections, when necessary, will be plotted to the right of the stream centerline and grade separation profiles.
5. Sketches, when needed, will be plotted to the right of the flood plain cross-sections and/or stream traverse profiles.
6. Sketches or photos will be placed in a separate file.

Contours (Option 1) - the contours or DTM's should be extended along the existing roadway centerline to cover all of the area under high water, unless high water extends at rather shallow depths over a considerable area not likely to be bridged. Normally, the contours or DTM's are extended to cover an area fifty feet (**50 ft**) each side of the edge of pavement at the proposed location. However, in some cases, such as a proposed four-lane divided route, it may be necessary to extend them more than fifty feet (**50 ft**).

The contour interval is to be shown on the bridge situation plan by note at the beginning of the plan. The contours are to be labeled at sufficient intervals so that lower or higher elevations can be determined.

A north arrow, bearings on centerline or baseline, all topography within the area to contoured, the name of the stream and direction of flow are to be shown on the contour portion of the plan. The edges of the stream shall be designated by a dash and three-dot symbol (— · · · —)