

**Assignment 6
Project Scoping**

The goal of this assignment is for Design Project teams to work together to produce a first assessment of your project stream crossing and watershed. This assignment should be done as a project group and submitted in Canvas according to your Group number. I have created a Project Group in Canvas with your names assigned to your appropriate project group.

To complete this assignment, please do the following:

- (1) Prepare a project description which describes the problem you are trying to solve and illustrates the drainage area and the outlet point where there is a road crossing of a stream which has inadequate capacity.
- (2) Prepare a GIS map of your watershed and its outlet point. Show the location of the HEC-RAS cross-sections and flood plain areas.
- (3) Prepare a description of the hydraulic conditions at the road crossing at the watershed outlet. By how much does the bridge or road crossing lack capacity? What capacity should it have?

This assignment is due in on Thursday April 7.