Objectives and Test Questions for the Presentation by Larry U. on
"Three Phases of Design in Compensatory Mitigation Projects"

Objective #1 – Learn about the three phases of design.

Objective #2 – Understand how designs become more refined as new information comes to light.

Objective #3 – Learn how to best remain engaged in the design process while working towards a final, implementable design.

Five test questions

1. Which of the following are true about conceptual designs? (select all that apply)
   A. They include an invasive species management plan.
   B. They provide a decision point for a "preferred", "hybrid", or "no build" concept design.
   C. They include potential credits yields for the various types of mitigation.
   D. They include initial ideas and concepts toward development of a mitigation plan.
   E. They provide an opportunity for early interagency review.

   Answer: *B, C, D and E*

2. What parameters are needed for conceptual design? (select all that apply)
   A. Geomorphic/topographic position of site.
   B. Migratory bird data.
   C. Type of mitigation to be undertaken.
   D. Sources of water and seasonality.
   E. Estimated costs of project.

   Answer: *A, C, D and E*

3. What should be included in a preliminary design? (select all that apply)
   A. Topographic information.
   B. Hydraulic design analysis.
   C. Location of any water control structures or berms.
   D. Estimated construction costs.
   E. Initial seeding/planting plans.

   Answer: *All of the above*

4. What should be included in a final design? (select all that apply)
   A. Project plan details.
   B. Cross-sections.
   C. Earthwork and material quantities.
   D. Anticipated number and type of credits (final crediting plan).
   E. Indicators of biological integrity.

Answer: *A, B, C and D*

5. Which of the following statements is false? (select all that apply)

A. Final designs should be ready to build.
B. Conceptual designs should be reviewed by the interagency review team (IRT) early in the process.
C. Separate design plans must be created for each type of mitigation proposed on a site.
D. Site visits by the IRT are important.
E. Sometimes a hybrid conceptual design is created from components of the original conceptual designs.

Answer: *C*