



# Bridge Concepts

The concepts listed below are in no particular order of preference and reflect concepts that have been identified to date. Public participation ensures the National Park Service fully understands and considers the public's interest as part of their national heritage, cultural traditions, and community surroundings. As a result of public engagement, additional concepts may be identified for consideration by the planning team.

## Alexander's Bridge

- No Action
- Replacement (In-Kind) - superstructure would be replaced in accordance with the original architectural drawings and the existing abutments would be utilized. Bridge would accommodate one-lane of traffic.
- Replacement (Not In-Kind) - replacement of the superstructure and the abutments with a new structure. Bridge would accommodate either one- or two-lanes of traffic.
- Rehabilitation - superstructure would be rehabilitated to alleviate current load restrictions and the existing abutments would be utilized. Bridge would accommodate one-lane of traffic.
- Total Bridge Closure - Alexander's Bridge would be closed to all use. Alexander's Bridge road would no longer be a through road and a vehicle turn around would be constructed.
- Partial Bridge Closure - Alexander's Bridge would be closed to vehicles, however, pedestrian, bicycle, and equestrian use would be permitted. Alexander's Bridge Road would no longer be a through road and a vehicle turn around would be constructed.

## Slough Bridge

- No Action
- Repair - existing structure would be repaired.
- Reconstruction - superstructure would be replaced and the existing abutments would be utilized. Bridge would accommodate one-lane of traffic.
- Replacement - replacement of the superstructure and the abutments with a new structure. Bridge would accommodate two lanes of traffic.

The following **concept would impact both bridges simultaneously**, and can not be matched with any of the concepts listed above.

- **Realignment** - a single two-lane road with bridges crossing the Chickamauga Creek and Slough would be constructed on a new alignment. The existing Alexander's Bridge and Slough Bridge would remain in place for pedestrian use.

For all of the above listed action alternatives, miscellaneous repairs and recommended improvements would be implemented as determined to be necessary during the EA and design process.

15 Jul 08