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**PROJECT ALTERNATIVE DESCRIPTIONS**

**Alternative 1: No Build**

Alternative 1 would maintain the existing condition of the bridge in its current state. This No Build alternative will not address structural, geometric and operational deficiencies of the bridge. Routine repair of the bridges will be performed as required.

**Alternative 2: Rehabilitation**

Alternative 2 would include rehabilitation of the bridge substructure and superstructure. The existing bridge superstructure would be rehabilitated in order to replace the significantly deteriorated beams and meet current design standards. Limited substructure rehabilitation would also be performed.

**Alternative 3: Bridge Replacement (8' Shoulders)**

Alternative 3 would replace the bridge to address structural, geometric and operational deficiencies of the bridge. The roadway profile of the bridge will be slightly raised to limit impacts to the hydraulic opening. The horizontal alignment of the bridge will be shifted to the south to maintain two lanes of traffic and to reduce the number of stages and duration of construction. This alternative widens the bridge to an out-to-out width of 79'-2" and provides a 6' sidewalk, an 8' shoulder, and two 12' travel lanes in each direction. The new bridge will stay within the existing Right-of-Way.

**Alternative 4: Bridge Replacement (5' Shoulders, 11' Striped Median)**

Alternative 4 would replace the bridge to address structural, geometric and operational deficiencies of the bridge. The roadway profile of the bridge will be slightly raised to limit impacts to the hydraulic opening. The horizontal alignment of the bridge will be shifted to the south to maintain two lanes of traffic and to reduce the number of stages and duration of construction. This alternative widens the bridge to an out-to-out width of 84'-2" and provides a 6' sidewalk, a 5' shoulder, two 12' travel lanes in each direction, and an 11' center striped median. The new bridge will stay within the existing Right-of-Way.

**Alternative 5: Bridge Replacement (8' Shoulders, 11' Striped Median)**

Alternative 5 would replace the bridge to address structural, geometric and operational deficiencies of the bridge. The roadway profile of the bridge will be slightly raised to limit impacts to the hydraulic opening. The horizontal alignment of the bridge will be shifted to the south to maintain two lanes of traffic and to reduce the number of stages and duration of construction. This alternative widens the bridge to an out-to-out width of 90'-2" and provides a 6' sidewalk, an 8' shoulder, two 12' travel lanes in each direction, and an 11' center striped median. The new bridge will impact Right-of-Way on the north side.

*For Alternatives 3, 4 and 5, the new bridge could utilize either of the following structural options:*

- *Option A - Three-spans using Steel Beams*
- *Option B - Four-spans using Prestressed Concrete or Steel Beams*