

**TABLE 1:** Programmatic Section 4(f) Evaluation

Alternative	Meets Purpose and Need for the Project?	Does the project address the following deficiencies? 1) Functional 2) Structural	Estimated Costs			Social, Economic or Environmental Impacts?	Constructability/ Safety/Design Issues?
			Construction (\$)	ROW (\$)	Total cost (\$)		
1. No-Build (truss as <i>de facto</i> monument)	No	1) No 2) No	\$0	0 acres \$ 0	\$0	No - However: 1) Continued detour represents higher long-term transportation costs for over width and over weight vehicles. 2) Damage to FM roads on detour from over width and over weight vehicles. 3) Impacts integrity of historic bridge through continued deterioration.	Yes - 1) Bridge is structurally and functionally deficient and prevents large agricultural equipment from using NB bridge. Structure is currently closed to vehicular traffic. 2) Limited turn room for large northbound vehicles entering park. 3) 2-way traffic on a bridge designed for 1-way traffic. 4) Risks from pedestrians on closed trusses.
2. Rehabilitate existing truss bridge for continued use	No	1) No 2) Yes	Historic bridge \$9,561,893	0 acres \$0	\$9,561,893	Yes - 1) Rehabilitation cost is of extraordinary magnitude as defined by US DOT regulations. 2) Removing contributing features such as approach spans or railings is an adverse effect.	Yes - 1) Bridge would remain functionally deficient and still prevent two lane traffic and large agricultural equipment from using truss bridge. 2) Upper truss bracing presents safety hazard by obscuring brake lights of northbound vehicles preparing to turn into park.
3a. Widen southbound bridge to 2 way traffic, rehab truss for pedestrians	Yes	1) Yes 2) Yes	Widen bridge \$2,445,794 Historic bridge \$3,576,705 - \$3,868,645	0 acres \$0	\$6,022,499 - \$6,314,439	Yes - 1) Adverse effect to remove contributing features such as railings or approach spans. 2) Cost of rehabilitation far exceeds \$550,000 allowed by FHWA based on estimated cost of demolition. 3) Impact to 0.232 acres of trees. 4) Least Tern and Horned Lizard habitat requires avoiding construction during nesting season and individual lizards, respectively. 5) Impacts to waters of the US less than 0.5 acres.	Yes - 1) Safety concern of unexpected reverse curves and no median along this section of US 83. 2) Safety risk to construction workers.
3b. Widen southbound bridge to 2 way traffic, by-pass truss (monument)	Yes	1) Yes 2) Yes	Widen bridge \$2,445,794 Historic bridge \$2,425,685	0 acres \$0	\$4,871,479	Yes - 1) Adverse effect to remove contributing features such as railings or approach spans. 2) Cost of rehabilitation far exceeds \$550,000 allowed by FHWA based on estimated cost of demolition. 3) Impact to 0.232 acres of trees. 4) Least Tern and Horned Lizard habitat requires avoiding construction during nesting season and individual lizards, respectively. 5) Impacts to waters of the US less than 0.5 acres.	Yes - 1) Safety concern of unexpected reverse curves and no median along this section of US 83. 2) Safety risk to construction workers.
3c. Widen southbound bridge to 2 way traffic, rehab truss for scenic by-pass	Yes	1) Yes 2) Yes	Widen bridge \$2,445,794 Historic bridge \$4,831,502	0 acres \$0	\$7,277,296 (access additional)	Yes - 1) Adverse effect to remove contributing features such as railings or approach spans 2) Cost of rehabilitation far exceeds \$550,000 allowed by FHWA based on estimated cost of demolition. 3) Impact to 0.232 acres of trees. 4) Least Tern and Horned Lizard habitat requires avoiding construction during nesting season and individual lizards, respectively. 5) Impacts to waters of the US less than 0.5 acres.	Yes - 1) Safety concern of unexpected reverse curves and no median along this section of US 83. 2) Safety risk to construction workers.
4. New Structure on Current Alignment with Demolition of the Truss Bridge	Yes	1) Yes 2) Yes	New bridge \$4,000,000 Demolition of historic bridge \$550,000	0 acres \$0	\$4,550,000	Yes - 1) Removal of historic bridge is an adverse effect. 2) Impact to 0.377 acres of trees. 3) Least Tern and Horned Lizard habitat requires avoiding construction during nesting season and individual lizards, respectively. 4) Impacts to waters of the US less than 0.5 acres.	No