



MAP LEGEND

- Roads
- ▭ Study Area
- Existing Pedestrian Bridge Removed
- New Bridge on Existing Alignment
- Two-Lane Temporary Bridge Removed After Construction of New Bridge

NPS Parking
and River Access

Carr's Store
and Canoe Rental

NPS Group
Campground
River Access

19



0 250 500
Feet

Round Spring
ROUTE 19: SHANNON COUNTY



C-1A

COST: \$12.7 MILLION

DESCRIPTION

- New bridge on existing alignment.
- A temporary two-lane bridge will be built prior to construction of the new bridge and will be removed once construction of the new bridge is complete.
- Existing pedestrian bridge removed.

SITE VICINITY



ADVANTAGES

- Matches location of existing bridge.
- Final configuration is a single bridge over the channel.
- Less permanent roadway work.
- Uses a two-lane bridge during construction.

DISADVANTAGES

- Additional cost for temporary bridge.
- Pedestrian bridge must be removed prior to construction of the two-lane temporary bridge.
- Utilities on the existing pedestrian bridge must be relocated.
- No separate pedestrian bridge.



MAP LEGEND

- Roads
- ▭ Study Area
- Existing Pedestrian Bridge Removed
- New Bridge on Existing Alignment
- Two-Lane Temporary Bridge Retained as Pedestrian Bridge

NPS Parking
and River Access

Carr's Store
and Canoe Rental

NPS Group
Campground
River Access

19



0 250 500
Feet

Round Spring
ROUTE 19: SHANNON COUNTY



C-1B

COST: \$9.1 MILLION

DESCRIPTION

- New bridge on existing alignment.
- A temporary two-lane bridge will be built prior to construction of the new bridge and will be retained as a pedestrian bridge once construction of the new bridge is complete.
- Existing pedestrian bridge removed.

SITE VICINITY



ADVANTAGES

- Matches location of existing bridge.
- Less permanent roadway work.
- Uses a two-lane bridge during construction.
- Separate pedestrian bridge provided.

DISADVANTAGES

- Final configuration is two bridges over the channel.
- Pedestrian bridge must be removed prior to construction of the two-lane temporary bridge.
- Utilities on the existing pedestrian bridge must be relocated.
- Additional cost for temporary bridge.



C-2

COST: \$10.4 MILLION

DESCRIPTION

- New bridge on existing alignment.
- A temporary one-lane bridge will be built prior to construction of the new bridge and will be retained as a pedestrian bridge once construction of the new bridge is complete.
- Existing pedestrian bridge removed.

SITE VICINITY



ADVANTAGES

- Matches location of existing bridge.
- Less permanent roadway work.
- Separate pedestrian bridge provided.

DISADVANTAGES

- Final configuration is two bridges over the channel.
- Pedestrian bridge must be removed prior to construction of the one-lane temporary bridge.
- Utilities on the existing pedestrian bridge must be relocated.
- Uses a one-lane bridge during construction.
- Additional cost for temporary bridge.



C-3A

COST: \$10.8 MILLION

DESCRIPTION

- New bridge downstream (east) of existing bridge.
- No temporary bridge.
- Existing pedestrian bridge removed.

SITE VICINITY



ADVANTAGES

- No temporary bridge; cost savings.
- Final configuration is a single bridge over the channel.

DISADVANTAGES

- Pedestrian bridge must be removed prior to construction.
- Utilities on the existing pedestrian bridge must be relocated.
- More permanent roadway work.
- Uses a one-lane bridge during construction.
- No separate pedestrian bridge.



C-3B

COST: \$11 MILLION

DESCRIPTION

- New bridge downstream (east) of the existing bridge.
- No temporary bridge.
- Existing pedestrian bridge retained.

SITE VICINITY



ADVANTAGES

- No temporary bridge required; cost savings.
- Existing pedestrian bridge usable during construction of new bridge.
- Separate pedestrian bridge provided.
- Utilities remain on the existing pedestrian bridge.

DISADVANTAGES

- Final configuration is two bridges over the channel.
- More permanent roadway work.
- Uses a one-lane bridge during construction.



C-4

COST: \$8.6 MILLION

DESCRIPTION

- Multiple phase rehabilitation of the existing bridge.
- No temporary bridge.
- Existing pedestrian bridge retained.

SITE VICINITY



ADVANTAGES

- Matches location of existing bridge.
- No temporary bridge required; cost savings.
- Existing pedestrian bridge usable during construction for new bridge.
- Separate pedestrian bridge provided.
- Utilities remain on the existing pedestrian bridge.

DISADVANTAGES

- Final configuration is two bridges over the channel.
- Uses a one-lane bridge during construction.
- Longer construction period.
- Remediated concrete of the existing bridge is buried in the structure, possibly requiring further rehabilitation in the future.
- Shorter life expectancy compared to a new bridge.



C-5A

COST: \$10.4 MILLION

DESCRIPTION

- Single-phase rehabilitation of the existing bridge.
- A temporary two-lane bridge will be built prior to rehabilitation of the existing bridge and will be removed once the rehabilitation of the existing bridge is complete.
- Existing pedestrian bridge removed.

SITE VICINITY



ADVANTAGES

- Matches location of existing bridge.
- Final configuration is a single bridge over the channel.
- Less permanent roadway work.
- Uses a two-lane bridge during construction.

DISADVANTAGES

- Additional cost for temporary bridge.
- Remediated concrete of the existing bridge is buried in the structure, possibly requiring further rehabilitation in the future.
- Shorter life expectancy compared to a new bridge.
- Pedestrian bridge must be removed prior to construction of the two-lane temporary bridge.
- Utilities on the existing pedestrian bridge must be relocated.
- No separate pedestrian bridge.



C-5B

COST: \$8.4 MILLION

DESCRIPTION

- Single phase rehabilitation of the existing bridge.
- A temporary two-lane bridge will be built prior to rehabilitation of the existing bridge and will be removed once the rehabilitation of the existing bridge is complete.
- Existing pedestrian bridge retained.

SITE VICINITY



ADVANTAGES

- Matches location of existing bridge.
- Less permanent roadway work.
- Uses a two-lane bridge during construction.
- Existing pedestrian bridge usable during rehabilitation of the existing bridge.
- Separate pedestrian bridge provided.
- Utilities remain on the existing pedestrian bridge.

DISADVANTAGES

- Final configuration is two bridges over the channel.
- Additional cost for temporary bridge.
- Remediated concrete of the existing bridge is buried in the structure, possibly requiring further rehabilitation in the future.
- Shorter life expectancy compared to a new bridge.