

# Build Kansas Fund | Fiscal Year 2026 Application Package | Memo



To: Senator Rick Billinger, Chair, Build Kansas Advisory  
Committee  
Chardae Caine, Kansas Legislative Research Department  
Shauna Wake, Office of the Kansas State Treasurer

From: Shawn Wesner, Executive Director, Kansas Infrastructure Hub RE:

Build Kansas Fund Application #2026-167-NWKPCD

Date: December 17, 2025

---

Attached, please find an application made to the Build Kansas Fund by Smith County. The application packet includes the following items:

- Coversheet – provides a high-level overview of the application including a unique identification number, page 1 of 23 of the Build Kansas Fund Application Package.
- Build Kansas Fund Application – includes information submitted with the Build Kansas Fund Application, pages 2-8. Page 8 provides the table of funding sources and zip codes served by the project.
- Attachments – Projective narrative pages 9-23.

## **Project Overview**

Smith County seeks funding from the U.S. Department of Transportation for funding available through the Bridge Investment program (BIP) for their Smith County – Bridge Infrastructure (BIP) project which includes replacing nine structurally deficient rural bridges with new single-span steel girder structures to improve safety, restore full load capacity, and extend the service life of the County's transportation network.

This opportunity is a discretionary IIJA program with a local match requirement of 20% of the total project cost. The entity is requesting \$1,116,060.00 from the Build Kansas Fund, and is providing a local cash match of \$58,740.00. This request has the potential to unlock \$4,699,200.00 in federal funds, for a total project cost of \$5,874,000.00.

This program is currently on hold and under review. This Build Kansas Fund application was received on October 10, 2025.

## **Build Kansas Fund Steering Committee Recommendation**

The Build Kansas Fund Steering Committee reviewed this application on December 3, 2025 following a successful completeness check. The Steering Committee **RECOMMENDS APPROVAL** of Build Kansas Funding to the Build Kansas Advisory Committee for final advice.

# Build Kansas Fund | Fiscal Year 2026 Application Package | Coversheet



Build Kansas Fund Application Number	2026-167-NWKPDC
Applicant Name	Smith County
Application Date Received	10/10/2025
Project Name	Smith County – Bridge Infrastructure (BIP)
Project Description	Replace nine structurally deficient rural bridges with new single-span steel girder structures to improve safety, restore full load capacity, and extend the service life of the County’s transportation network.
Entity Type	Local Government
Economic Development District (EDD) Planning Commission	Northwest KS Planning & Development Commission
Infrastructure Sector(s)	Transportation
IIJA Program	Bridge Investment Program (BIP): Planning and Bridge Project Grants
IIJA Program Type	Discretionary
Application Type	Implementation
IIJA Application Deadline	Paused – TBD
Build Kansas Fund Request	\$1,116,060.00
Technical Assistance Received	General Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	IIJA Application Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Build Kansas Fund Application Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Other (Brief Description): Provided BKF application, IIJA application, and general TA.
Application Notes	Build Kansas Fund contribution of \$1,116,060.00 will unlock \$4,699,200.00 in federal IIJA funding, with a local cash contribution of \$58,740.00, for a total project cost of \$5,874,000.00.
<b>Steering Committee Funding Recommendation</b>	<b>12/3/2025   Recommend <input checked="" type="checkbox"/> Declined <input type="checkbox"/></b>
<b>Advisory Committee Funding Recommendation</b>	<b>12/17/2025   Recommend <input type="checkbox"/> Declined <input type="checkbox"/></b>

Title	<b>Smith County</b>	10/10/2025
	by <b>Travis Story</b> in <b>Build Kansas Fund Application</b>	id. 51957083
	smcopworks@ruraltel.net	

<b>Original Submission</b>	10/13/2025
----------------------------	------------

Score	n/a
Part 1: Applicant Information	
The name of the entity applying for the Build Kansas Fund:	Smith County
Project Name:	Smith County - Bridge Infrastructure (BIP)
Entity type:	County Government
Entity Population:	3590
Applicant Contact Name:	Travis Story
Applicant Contact Position/Title:	Assistant Road Supervisor
Applicant Contact Telephone Number:	+17852825150
Applicant Contact Email Address:	smcopworks@ruraltel.net
Applicant Contact Address:	318 East Francis Street
Applicant Contact Address Line 2 (optional):	
Applicant Contact City:	Smith Center
Applicant Contact State:	Kansas
Applicant Contact Zip Code:	66967

Is the Project  
Contact the same as  
the Applicant  
Contact?

Yes

---

Part 2: Build Kansas Fund - Eligibility Criteria

---

Certify that you are  
pursuing an  
Infrastructure  
Investment and Jobs  
Act (IIJA) funding  
opportunity for which  
your entity is eligible:

Yes

Certify that the  
Infrastructure  
Investment and Jobs  
Act (IIJA) funding  
opportunity you are  
pursuing has a  
required non-federal  
match component:

Yes

What is the primary  
county that the  
project will occur in?

Smith County

The Build Kansas Fund is intended to support Kansas-based infrastructure projects. Please provide a list of all the zip codes this project will be located in, along with an estimated percent [%] of the project located in that zip code. For example, if seeking funding for road infrastructure, provide a rough percent of the roads expected in each zip code:

[Zip Code Percentage.xlsx](#)

---

Part 3: Infrastructure Investment and Jobs Act (IIJA) - Grant Application  
Information Please Note: This information is related to the federal  
Infrastructure Investment and Jobs Act (IIJA) funding opportunity to which  
you will apply. This is NOT information for the Build Kansas Match Fund.

---

Please enter the  
Infrastructure  
Investment and Jobs  
Act (IIJA) funding  
opportunity title that  
the entity is applying  
for:

Bridge Investment Program, Planning and Bridge Project Grants

What is the funding  
agency for this  
Infrastructure  
Investment and Jobs  
Act (IIJA) funding  
opportunity?

U.S. Department of Transportation

What is the Assistance Listing Number (ALN) for this Infrastructure Investment and Jobs Act (IIJA) funding opportunity?	20.205
What is the federal application due date for this Infrastructure Investment and Jobs Act (IIJA) funding opportunity?	11/1/2025
Application Type:	Implementation
What is the federal fiscal year for this Infrastructure Investment and Jobs Act (IIJA) funding opportunity?	2026
Enter the amount of funding being applied for, from the Infrastructure Investment and Jobs Act (IIJA) funding opportunity:	\$4,699,200.00 for a total project cost of \$5,874,000.00
Enter the total project cost:	\$5,874,000.00
Enter the required non-federal match percentage:	20%
<p>Part 4: Build Kansas Fund - Match Application Information Beginning in July 2024 and moving forward, eligible applicants are expected to contribute a portion of the non-Federal match requirement. This contribution can be in the form of cash and/or in-kind contributions. The goal is to demonstrate the applicant's commitment to the project. The contribution should be significant enough relative to the Build Kansas Fund request. For a local public entity, 5% of the non-federal match is a good guideline, but not a requirement. See Build Kansas Fund Program Guidance for exceptions and more information.</p>	

Enter the non-federal cash match amount being requested from the Build Kansas Fund: \$1,116,060.00 for a total project cost of \$5,874,000.00

Enter the non-federal cash match amount being provided by the eligible applicant, if applicable: \$58,740.00 for a total project cost of \$5,874,000.00

Enter the estimated value of the non-federal in-kind match amount being provided by the eligible applicant, if applicable: 0

Expected breakdown of funding sources to support the project: Enter the funding source and projected amount from each source to support this project:

[Kansas+DOT+table\\_V2.xlsx](#)

#### Part 5: Build Kansas Fund - Means Test and Eligible Applicant Match

What other available funding sources that are currently planned to go unused by your entity will be leveraged for this project? N/A

Will any American Rescue Plan Act (ARPA) or Coronavirus State & Local Fiscal Recovery Fund monies be used for the non-federal match? N/A

What other sources of in-kind match will be leveraged for this project? Please list and include the actual or estimated value of each. N/A

What other funding sources (local, federal, or non-federal) will be used for this match?	Smith County is committed to supporting its bridge replacement efforts by utilizing funds from its "special bridge fund" to meet the required local match for applicable projects. This demonstrates the county's proactive approach and financial investment in addressing critical infrastructure needs, despite limited external funding resources.
--	--

Describe your efforts to find other available funding sources for this project:	<p>Smith County has actively collaborated with the Kansas Department of Transportation (KDOT) to address its aging bridge infrastructure. However, the sheer volume of bridges requiring replacement—with 32 currently rated in poor condition out of 250 total—has proven to be a significant barrier to securing adequate funding through KDOT programs.</p> <p>While KDOT has supported some replacement efforts, the high number of structurally deficient bridges exceeds the scope of available resources, making it difficult for the county to receive sufficient funding for comprehensive infrastructure upgrades. This funding gap continues to hinder progress and poses ongoing safety and mobility concerns for residents and businesses throughout the region.</p>
---	---

---

Part 6: Additional Information

---

Please upload a draft or final version of the Infrastructure Investment and Jobs Act (IIJA) program grant application associated with this request OR an executive summary providing an overview of the project:

[ExecutiveSummaryWithBudget.pdf](#)

Provide any additional information about this project not covered in previous sections of this application (optional):	<p>With the Notice of Funding Opportunity (NOFO) currently removed from Grants.gov, Smith County continues to actively prepare for its upcoming Bridge Investment Program (BIP) application. As part of this effort, <b>Benefit-Cost Analyses (BCAs)</b> are being conducted for <b>nine bridges</b> by <b>Penco Engineering</b>, ensuring that the county is ready to submit a strong and well-supported proposal once the NOFO is reissued.</p>
--	---

Smith County is taking a **proactive approach** to position itself for success. By completing key technical components in advance, the county aims to focus its efforts on finalizing a competitive application when the funding opportunity becomes available.

---

Part 7: Terms and Conditions

---

Understanding of Fund Release Requirements:	checked
---	---------

Understanding of Use of Funds:	checked
--------------------------------	---------

Understanding of Reporting Requirements:	checked
--	---------

Authority to Make Grant Application:	checked
--------------------------------------	---------

Persons and Titles: Travis  
The following Story  
persons are  
responsible for  
making this Build  
Kansas Fund  
application.

Position/Title:	Assistant Road Supervisor
Additional:	Brenda McNary
Position/Title:	Office Manager
Additional:	
Position/Title:	
Additional:	
Position/Title:	



Source	Amount	% of Project
Build Kansas Funds (non-federal match)	\$1,116,060.00	19.00%
Eligible Applicant Cash Match	\$58,740.00	1.00%
Eligible Applicant In-Kind Match (estimated value)		0.00%
IIJA Federal Funds (applied for)	\$4,699,200.00	80.00%
Additional Project Contribution (if applicable)		0.00%
<b>TOTAL PROJECT COST</b>	<b>\$5,874,000.00</b>	<b>100.00%</b>

**\*Applicant match contribution is 5% of total match requirement**

Zip Code	% of project in zip code
66967	35%
66932	24%
66952	13%
66951	13%
67638	13%
	<b>100% In Kansas</b>

## **Project Overview**

Smith County, Kansas is currently facing significant challenges related to its aging bridge infrastructure. Of the county's 250 bridges, 32 have been rated in "poor condition" according to the National Bridge Inventory. All 250 bridges are listed on the National Bridge Inventory List, underscoring the scale and importance of the issue.

To address the most critical needs, the county has developed a phased replacement plan. The estimated cost to replace nine of the most deteriorated bridges is approximately \$5.8 million. In addition, four to five bridges are slated to be replaced with metal culverts as a cost-effective alternative where feasible.

Despite these efforts, approximately 23 bridges in poor condition will still require full replacement. Without additional funding and support, these structures will continue to pose safety risks and hinder transportation and economic activity in the region.

---

## **Project Need**

Smith County's transportation infrastructure spans:

- 250 bridges
- 1972 miles of roads (1 mile of asphalt, 713 miles of rock/gravel and 1258 miles of dirt.)
- A service area of 900 square miles in northwest Kansas

Smith County is facing the challenge of a declining population, with only 3,533 residents in 2022—an 8.5% decrease from 3,860 in 2010. This demographic shift makes it increasingly difficult to fund critical infrastructure projects, such as bridge replacements. In response, the county is investing in infrastructure and quality-of-life improvements aimed at reversing this trend and fostering long-term growth.

Progress in Smith County may not be marked by skyscrapers or traffic congestion, but it's happening in meaningful ways. From revitalizing vacant buildings to creating wellness spaces and upgrading essential infrastructure, the community is making strategic, people-centered investments. Whether it's workforce housing, outdoor fitness amenities for all ages, stronger roads, or faster internet, these efforts reflect a shared commitment to building a healthier, more connected future.

Two recent projects exemplify this commitment: the redevelopment of the former hospital into workforce housing and the launch of a new outdoor Fitness Court Studio. These initiatives demonstrate that rural innovation is not only possible—it's thriving.

Beyond housing and wellness, Smith County is also investing in foundational infrastructure to support sustainable development. Many of the county's bridges, built in the early to

mid-20th century, are now outdated and deteriorating. A recent assessment identified 32 bridges in need of replacement—critical connectors for rural communities that no longer meet modern transportation standards.

The K-204 Straight Project is another major undertaking, involving comprehensive upgrades to roads and utilities. With a \$3.3 million investment from the Kansas Department of Transportation, the project includes improvements to sewer and water systems, as well as roadways, curbs, gutters, and sidewalks—ensuring smarter, more efficient infrastructure planning.

These investments are more than construction projects—they’re a vision for Smith County’s future. By aligning resources with community needs and fostering collaboration across public and private sectors, Smith County is proving that rural communities can lead the way in innovation, well-being, and resilience.

## Project Scope and Budget

The project includes the removal and full replacement of the following bridges:

NBI Number	COUNTY BRIDGE NO.		TYPE OF STRUCTURE	FEATURE INTERSECTED	FACILITIES CARRIED	Condition Ratings					MIN Condition	Bridge Condition	Structural Appraisal
						Deck	Super	Sub	Culvert	Waterway			
000920679603340	OFF	187	Steel Beam Continuous	WEST OAK CREEK	180 ROAD	6	6	3	N	5	3	3 - Poor	3
000920655003503	OFF	32	Steel Beam Continuous	N. FORK SOLOMON TRIB	J ROAD	5	5	4	N	5	4	3 - Poor	4
000920651303220	OFF	144	Steel Stringer Floorbeam Simple	WEST BEAVER CREEK	120 ROAD	4	5	4	N	6	4	3 - Poor	2
000920649203440	OFF	219	Steel Beam Simple	EAST CEDAR CREEK	230 ROAD	5	5	4	N	6	4	3 - Poor	4
000920671703220	OFF	147	Steel Beam Continuous	SPRING CREEK	120 ROAD	6	5	4	N	5	4	3 - Poor	2
000920637703360	OFF	188	Steel Beam Simple	WEST CEDAR CREEK	190 ROAD	6	5	4	N	5	4	3 - Poor	4
000920637003149	OFF	1	Steel Beam Simple	W. MIDDLE CEDAR CREEK	A ROAD	6	6	4	N	6	4	3 - Poor	2
000920671003041	OFF	56	Steel Stringer Floorbeam Simple	WALNUT CREEK	R ROAD	5	6	3	N	4	3	3 - Poor	2
000920665603420	OFF	214	Steel Beam Simple	SPRING CREEK	220 ROAD	6	5	4	N	5	4	3 - Poor	4

### *Estimate Per Bridge:*

County Bridge# 187 - \$583,000

County Bridge# 32 - \$649,000

County Bridge# 144 - \$748,000

County Bridge# 219 - \$632,500

County Bridge# 147 - \$649,000

County Bridge# 188 - \$649,000

County Bridge# 1 - \$583,000

County Bridge# 56 - \$632,500

County Bridge# 214 - \$748,000

**Total Project Budget: \$5,874,000**

This budget encompasses all major components necessary for successful project execution, including engineering, environmental review, demolition, construction, and a 10% allocation for project management and grant administration.

Of the nine bridges included in this project, seven have alternate access routes available. As a result, detours will not be necessary following their demolition.

However, two bridges—Bridge 32 and Bridge 187—will require temporary detour routes. For each, the County will need to place rock along approximately two miles of existing dirt road to ensure safe and reliable access during construction.

---

## **Collaborators and Partnerships**

Smith County is working in collaboration with:

- Kansas Department of Transportation (KDOT)
- Federal Highway Administration (FHWA)
- Local municipalities and townships
- Private engineering and construction firms
- Regional planning organizations

These partnerships ensure compliance with federal and state regulations, technical oversight, and alignment with regional transportation priorities.

---

## **Project Goals**

- Enhance public safety by replacing structurally deficient bridges
  - Improve mobility and connectivity for rural residents, emergency services, and freight
  - Support economic development by ensuring reliable infrastructure for agriculture and commerce
  - Enhance the quality of life by improving infrastructure within the county.
  - Extend the service life of critical transportation assets
  - Leverage federal and state funding to maximize local investment impact
- 

## **Expected Outcomes**

Upon completion, the project will:

- Eliminate nine aging, potentially hazardous structures
- Restore full load capacity and eliminate detours
- Reduce long-term maintenance costs
- Improve travel times and emergency response access
- Strengthen the resilience of the county's transportation network

This initiative represents a strategic investment in Smith County's future, ensuring that its infrastructure can support the needs of residents, businesses, and visitors for decades to come.

## Smith County - Estimated Bridge Construction Cost

1) **OFF 1** *A Road intersecting West Middle Cedar Creek*

000920637003149

Proposed Structure:

40ft x 28.5 ft Single span - Steel Girder w/ concrete deck

Cost: **\$583,000**

Key Benefits:

Widen bridge, increase safety near intersection

Reduce erosion

Remove a bridge with substructure in poor condition

Legal Weight Capacity adjacent to feedlot

2) **OFF 32** *J Road intersecting a Trib. to North Fork Solomon River*

000920655003503

Proposed Structure:

50ft x 28.5 ft Single span - Steel Girder, w/ composite concrete deck

Cost: **\$649,000**

Key Benefits:

Increase safety by replacing existing bridge is 16ft wide for 2 lane traffic.

Improve roadway alignment

Increase waterway opening, decreasing erosion

Existing bridge is only 14 ft wide and is in poor condition with a 15 ton weight limit

3) **OFF 56** *R Road intersecting Walnut Creek*

000920671003041

Proposed Structure:

50ft x 28.5 ft Single span - Steel Girder, w/ concrete deck

Cost: **\$632,500**

Key Benefits:

Existing bridge had to be close due to critical condition of piling

Increase waterway opening, decreasing erosion and aiding in channel alignment

Replace a narrow bridge with only a 7 Ton capacity

Key asset in an isolated area with minimal creek crossings

4) **OFF 144** *120 Road intersecting West Beaver Creek*

000920651303220

Proposed Structure:

60ft x 28.5 ft Single span - Steel Girder, w/ concrete deck

Cost: **\$748,000**

Key Benefits:

Repacs a poor condition bridge due to abutments

Increase waterway opening, decreasing erosion

Existing bridge is constricting banks causing erosion

Improve horizontal roadway alignment and increase safety

- 5) **OFF 147**                      *120 Road intersecting Spring Creek*  
**000920671703220**  
Proposed Structure:  
50ft x 28.5 ft Single span - Steel Girder, w/ composite concrete deck  
Cost: **\$649,000**  
Key Benefits:
- Repacs a poor condition bridge with a failing pier  
Increase waterway opening, decreasing erosion  
Will reduce drift build up  
Existing bridge is only 18 ft wide with a 14 ton weight limit
- 6) **OFF 187**                      *180 Road intersecting West Oak Creek*  
**000920679603340**  
Proposed Structure:  
40ft x 28.5 ft Single span - Steel Girder, w/ concrete deck  
Cost: **\$583,000**  
Key Benefits:
- Repacs a poor condition bridge with failing abutments and backwalls  
Increase waterway opening, decreasing erosion  
Eliminates existing pier with catches drift and causes erosion  
Existing bridge is only 18 ft wide with a 6 ton weight limit
- 7) **OFF 188**                      *190 Road intersecting West Cedar Creek*  
**000920637703360**  
Proposed Structure:  
50ft x 28.5 ft Single span - Steel Girder, w/ composite concrete deck  
Cost: **\$649,000**  
Key Benefits:
- Repacs a poor condition bridge with failing abutments and backwalls  
Realign existing Roadway profile and alignment  
Eliminates multiple piers on a low structure  
Existing bridge is only 15 ft wide with an 8 ton weight limit
- 8) **OFF 214**                      *220 Road intersecting Spring Creek*  
**000920665603420**  
Proposed Structure:  
60ft x 28.5 ft Single span - Steel Girder, w/ concrete deck  
Cost: **\$748,000**  
Key Benefits:
- Repacs a poor condition bridge that has been retrofitted numerous times  
Project will stabilize banks and side slopes  
Eliminates multiple piers that catch drift and debris  
Existing bridge is only 15.5 ft for a well travel two lane road

9) **OFF 219**                      *230 Road intersecting East Cedar Creek*

**000920649203440**

Proposed Structure:

50ft x 28.5 ft Single span - Steel Girder, w/ concrete deck

Cost: **\$632,500**

Key Benefits:

Current bridge constricts channel and is subject to scour

Project will increase waterway opening, stabilize side slopes and reduce erosion

Project will also increase safety by straightening horizontal alignment

Existing bridge is only 16 ft wide with a 3 ton weight limit

**PROJECT TOTAL**

**\$**

**5,874,000**



**SMITH COUNTY**  
**Replacement Cost Estimate, 60 FT WBMS**  
**OCTOBER- 2025**

Single Span 60ft x 28.5ft Steel Girder Bridge (WBMS)  
Concrete Deck, H-Pile Foundation, Galv. sheet pile backwalls and wings, Steel W-Beam guardrail

				Penco Engineering, P.A. Engineer's Estimate	
No.	Item	Quantity	Unit	Unit Price	Total Price
<b>COMMON ITEMS</b>					
	REMOVAL OF EXISTING STRUCTURES	LSUM	LSUM	\$ 20,000.00	\$ 20,000.00
	FIELD OFFICE AND LABORATORY (TYPE C)	1	EACH	\$ 1,000.00	\$ 1,000.00
	MOBILIZATION	LSUM	LSUM	\$ 100,000.00	\$ 100,000.00
	TRAFFIC CONTROL	LSUM	LSUM	\$ 10,000.00	\$ 10,000.00
<i>Subtotal</i>					\$ 131,000.00
<b>ROAD ITEMS</b>					
	CLEARING AND GRUBBING	LSUM	LSUM	\$ 5,000.00	\$ 5,000.00
	COMMON EXCAVATION (RURAL SMALL)	4000	CUYD	\$ 10.00	\$ 40,000.00
	COMPACTION OF EARTHWORK (TYPE B) (MR-90)	2800	CUYD	\$ 3.00	\$ 8,400.00
	WATER (GRADING) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
	ENTRANCE PIPE (24")	30	LNFT	\$ 125.00	\$ 3,750.00
	END SECTION (24")	2	EACH	\$ 500.00	\$ 1,000.00
	SIGNING OBJECT MARKER (TYPE 3)(DOUBLE)	2	EACH	\$ 500.00	\$ 1,000.00
	TEMPORARY SURFACING MATERIAL (AGGREGATE) (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
<i>Subtotal</i>					\$ 59,240.00
<b>TEMPORARY PROJECT WATER POLLUTION CONTROL -SOIL EROSION</b>					
	TEMPORARY FERTILIZER (16-20-0)	50	LBS	\$ 2.00	\$ 100.00
	SOIL EROSION MIX	10	LBS	\$ 100.00	\$ 1,000.00
	EROSION CONTROL (CLASS 1, TYPE C)	750	SQYD	\$ 5.00	\$ 3,750.00
	EROSION CONTROL (CLASS 2, TYPE E)	750	SQYD	\$ 6.00	\$ 4,500.00
	SEDIMENT REMOVAL (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
	TEMPORARY BERM (SET PRICE)	1	LNFT	\$ 2.00	\$ 2.00
	TEMPORARTY DITCH CHECK (ROCK)	25	CUYD	\$ 100.00	\$ 2,500.00

No.	Item	Quantity	Unit	Unit Price	Total Price
	BIODEGRADABLE LOG (12")	750	LNFT	\$ 12.00	\$ 9,000.00
	BIODEGRADABLE LOG (20")	200	LNFT	\$ 15.00	\$ 3,000.00
	GEOTEXTILE (EROSION CONTROL)	500	SQYD	\$ 5.00	\$ 2,500.00
	WATER (EROSION CONTROL) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
<i>Subtotal</i>					\$ 26,442.00
<b>BRIDGE ITEMS</b>					
	EXCAVATION CLASS 1	175	CUYD	\$ 75.00	\$ 13,125.00
	CONCRETE (GRADE 4.0)(AE)	42.2	CUYD	\$ 1,250.00	\$ 52,750.00
	REINFORCING STEEL (GRADE 60)	7510	LBS	\$ 1.50	\$ 11,265.00
	STRUCTURAL STEEL (A709)(GRADE 36)	4724	LBS	\$ 3.25	\$ 15,353.00
	STRUCTURAL STEEL (A709)(GRADE 50W)	58414	LBS	\$ 3.50	\$ 204,449.00
	GUARDRAIL, STEEL PLATE	125	LNFT	\$ 150.00	\$ 18,750.00
	SLOPE PROTECTION (SHOT ROCK)	125	CUYD	\$ 100.00	\$ 12,500.00
	PILE (CORRUGATED METAL SHEET)	2470	SQFT	\$ 30.00	\$ 74,100.00
	PILE (STEEL) (HP 10X42)	750	LNFT	\$ 65.00	\$ 48,750.00
<i>Subtotal</i>					\$ 451,042.00
<b>SEEDING ITEMS</b>					
	SEEDING	LSUM	LSUM	\$ 15,000.00	\$ 15,000.00
<i>Subtotal</i>					\$ 15,000.00
<b>TOTAL COST ESTIMATE</b>					<b>\$ 682,724.00</b>

**SMITH COUNTY**  
**Replacement Cost Estimate, 50 FT WBMS**  
**OCTOBER- 2025**

Single Span 50ft x 28.5ft Steel Girder Bridge (WBMS)  
Concrete Deck, H-Pile Foundation, Galv. sheet pile backwalls and wings, Steel W-Beam guardrail

				Penco Engineering, P.A. Engineer's Estimate	
No.	Item	Quantity	Unit	Unit Price	Total Price
<b>COMMON ITEMS</b>					
	REMOVAL OF EXISTING STRUCTURES	LSUM	LSUM	\$ 15,000.00	\$ 15,000.00
	FIELD OFFICE AND LABORATORY (TYPE C)	1	EACH	\$ 1,000.00	\$ 1,000.00
	MOBILIZATION	LSUM	LSUM	\$ 100,000.00	\$ 100,000.00
	TRAFFIC CONTROL	LSUM	LSUM	\$ 10,000.00	\$ 10,000.00
				<i>Subtotal</i>	\$ 126,000.00
<b>ROAD ITEMS</b>					
	CLEARING AND GRUBBING	LSUM	LSUM	\$ 5,000.00	\$ 5,000.00
	COMMON EXCAVATION (RURAL SMALL)	3500	CUYD	\$ 10.00	\$ 35,000.00
	COMPACTION OF EARTHWORK (TYPE B) (MR-90)	2450	CUYD	\$ 3.00	\$ 7,350.00
	WATER (GRADING) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
	ENTRANCE PIPE (24")	30	LNFT	\$ 125.00	\$ 3,750.00
	END SECTION (24")	2	EACH	\$ 500.00	\$ 1,000.00
	SIGNING OBJECT MARKER (TYPE 3)(DOUBLE)	2	EACH	\$ 500.00	\$ 1,000.00
	TEMPORARY SURFACING MATERIAL (AGGREGATE) (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
				<i>Subtotal</i>	\$ 53,190.00
<b>TEMPORARY PROJECT WATER POLLUTION CONTROL -SOIL EROSION</b>					
	TEMPORARY FERTILIZER (16-20-0)	50	LBS	\$ 2.00	\$ 100.00
	SOIL EROSION MIX	10	LBS	\$ 100.00	\$ 1,000.00
	EROSION CONTROL (CLASS 1, TYPE C)	700	SQYD	\$ 5.00	\$ 3,500.00
	EROSION CONTROL (CLASS 2, TYPE E)	700	SQYD	\$ 6.00	\$ 4,200.00
	SEDIMENT REMOVAL (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
	TEMPORARY BERM (SET PRICE)	1	LNFT	\$ 2.00	\$ 2.00
	TEMPORARTY DITCH CHECK (ROCK)	25	CUYD	\$ 100.00	\$ 2,500.00

No.	Item	Quantity	Unit	Unit Price	Total Price
	BIODEGRADABLE LOG (12")	600	LNFT	\$ 12.00	\$ 7,200.00
	BIODEGRADABLE LOG (20")	150	LNFT	\$ 15.00	\$ 2,250.00
	GEOTEXTILE (EROSION CONTROL)	500	SQYD	\$ 5.00	\$ 2,500.00
	WATER (EROSION CONTROL) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
<i>Subtotal</i>					\$ 23,342.00
<b>BRIDGE ITEMS</b>					
	EXCAVATION CLASS 1	175	CUYD	\$ 75.00	\$ 13,125.00
	CONCRETE (GRADE 4.0)(AE)	35.2	CUYD	\$ 1,300.00	\$ 45,760.00
	REINFORCING STEEL (GRADE 60)	6300	LBS	\$ 1.50	\$ 9,450.00
	STRUCTURAL STEEL (A709)(GRADE 36)	4724	LBS	\$ 3.25	\$ 15,353.00
	STRUCTURAL STEEL (A709)(GRADE 50W)	34650	LBS	\$ 3.50	\$ 121,275.00
	GUARDRAIL, STEEL PLATE	125	LNFT	\$ 150.00	\$ 18,750.00
	SLOPE PROTECTION (SHOT ROCK)	125	CUYD	\$ 100.00	\$ 12,500.00
	PILE (CORRUGATED METAL SHEET)	2470	SQFT	\$ 30.00	\$ 74,100.00
	PILE (STEEL) (HP 10X42)	750	LNFT	\$ 65.00	\$ 48,750.00
<i>Subtotal</i>					\$ 359,063.00
<b>SEEDING ITEMS</b>					
	SEEDING	LSUM	LSUM	\$ 15,000.00	\$ 15,000.00
<i>Subtotal</i>					\$ 15,000.00
<b>TOTAL COST ESTIMATE</b>					<b>\$ 576,595.00</b>

**SMITH COUNTY**  
**Replacement Cost Estimate, 50 FT WBCS**  
**OCTOBER- 2025**

Single Span 50ft x 28.5ft Steel Girder Bridge (WBCS)  
Composite Concrete Deck, H-Pile Foundation, Galv. sheet pile backwalls and wings, Steel W-Beam guardrail

				Penco Engineering, P.A. Engineer's Estimate	
No.	Item	Quantity	Unit	Unit Price	Total Price
<b>COMMON ITEMS</b>					
	REMOVAL OF EXISTING STRUCTURES	LSUM	LSUM	\$ 15,000.00	\$ 15,000.00
	FIELD OFFICE AND LABORATORY (TYPE C)	1	EACH	\$ 1,000.00	\$ 1,000.00
	MOBILIZATION	LSUM	LSUM	\$ 115,000.00	\$ 115,000.00
	TRAFFIC CONTROL	LSUM	LSUM	\$ 10,000.00	\$ 10,000.00
				<i>Subtotal</i>	\$ 141,000.00
<b>ROAD ITEMS</b>					
	CLEARING AND GRUBBING	LSUM	LSUM	\$ 5,000.00	\$ 5,000.00
	COMMON EXCAVATION (RURAL SMALL)	3500	CUYD	\$ 10.00	\$ 35,000.00
	COMPACTION OF EARTHWORK (TYPE B) (MR-90)	2450	CUYD	\$ 3.00	\$ 7,350.00
	WATER (GRADING) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
	ENTRANCE PIPE (24")	30	LNFT	\$ 125.00	\$ 3,750.00
	END SECTION (24")	2	EACH	\$ 500.00	\$ 1,000.00
	SIGNING OBJECT MARKER (TYPE 3)(DOUBLE)	2	EACH	\$ 500.00	\$ 1,000.00
	TEMPORARY SURFACING MATERIAL (AGGREGATE) (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
				<i>Subtotal</i>	\$ 53,190.00
<b>TEMPORARY PROJECT WATER POLLUTION CONTROL -SOIL EROSION</b>					
	TEMPORARY FERTILIZER (16-20-0)	50	LBS	\$ 2.00	\$ 100.00
	SOIL EROSION MIX	10	LBS	\$ 100.00	\$ 1,000.00
	EROSION CONTROL (CLASS 1, TYPE C)	700	SQYD	\$ 5.00	\$ 3,500.00
	EROSION CONTROL (CLASS 2, TYPE E)	700	SQYD	\$ 6.00	\$ 4,200.00
	SEDIMENT REMOVAL (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
	TEMPORARY BERM (SET PRICE)	1	LNFT	\$ 2.00	\$ 2.00
	TEMPORARTY DITCH CHECK (ROCK)	25	CUYD	\$ 100.00	\$ 2,500.00

No.	Item	Quantity	Unit	Unit Price	Total Price
	BIODEGRADABLE LOG (12")	600	LNFT	\$ 12.00	\$ 7,200.00
	BIODEGRADABLE LOG (20")	150	LNFT	\$ 15.00	\$ 2,250.00
	GEOTEXTILE (EROSION CONTROL)	500	SQYD	\$ 5.00	\$ 2,500.00
	WATER (EROSION CONTROL) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
<i>Subtotal</i>					\$ 23,342.00
<b>BRIDGE ITEMS</b>					
	EXCAVATION CLASS 1	175	CUYD	\$ 75.00	\$ 13,125.00
	CONCRETE (GRADE 4.0)(AE)	39.5	CUYD	\$ 1,500.00	\$ 59,250.00
	REINFORCING STEEL (GRADE 60)	7000	LBS	\$ 1.50	\$ 10,500.00
	STRUCTURAL STEEL (A709)(GRADE 36)	5200	LBS	\$ 3.50	\$ 18,200.00
	STRUCTURAL STEEL (A709)(GRADE 50W)	29400	LBS	\$ 3.50	\$ 102,900.00
	GUARDRAIL, STEEL PLATE	125	LNFT	\$ 150.00	\$ 18,750.00
	SLOPE PROTECTION (SHOT ROCK)	100	CUYD	\$ 100.00	\$ 10,000.00
	PILE (CORRUGATED METAL SHEET)	2470	SQFT	\$ 30.00	\$ 74,100.00
	PILE (STEEL) (HP 10X42)	750	LNFT	\$ 65.00	\$ 48,750.00
<i>Subtotal</i>					\$ 355,575.00
<b>SEEDING ITEMS</b>					
	SEEDING	LSUM	LSUM	\$ 15,000.00	\$ 15,000.00
<i>Subtotal</i>					\$ 15,000.00
<b>TOTAL COST ESTIMATE</b>					<b>\$ 588,107.00</b>

**SMITH COUNTY**  
**Replacement Cost Estimate, 40 FT WBMS**  
**OCTOBER- 2025**

Single Span 40ft x 28.5ft Steel Girder Bridge (WBMS)  
Concrete Deck, H-Pile Foundation, Galv. sheet pile backwalls and wings, Steel W-Beam guardrail

				Penco Engineering, P.A. Engineer's Estimate	
No.	Item	Quantity	Unit	Unit Price	Total Price
<b>COMMON ITEMS</b>					
	REMOVAL OF EXISTING STRUCTURES	LSUM	LSUM	\$ 15,000.00	\$ 15,000.00
	FIELD OFFICE AND LABORATORY (TYPE C)	1	EACH	\$ 1,000.00	\$ 1,000.00
	MOBILIZATION	LSUM	LSUM	\$ 100,000.00	\$ 100,000.00
	TRAFFIC CONTROL	LSUM	LSUM	\$ 10,000.00	\$ 10,000.00
<i>Subtotal</i>					\$ 126,000.00
<b>ROAD ITEMS</b>					
	CLEARING AND GRUBBING	LSUM	LSUM	\$ 5,000.00	\$ 5,000.00
	COMMON EXCAVATION (RURAL SMALL)	3250	CUYD	\$ 10.00	\$ 32,500.00
	COMPACTION OF EARTHWORK (TYPE B) (MR-90)	2275	CUYD	\$ 3.00	\$ 6,825.00
	WATER (GRADING) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
	ENTRANCE PIPE (24")	30	LNFT	\$ 125.00	\$ 3,750.00
	END SECTION (24")	2	EACH	\$ 500.00	\$ 1,000.00
	SIGNING OBJECT MARKER (TYPE 3)(DOUBLE)	2	EACH	\$ 500.00	\$ 1,000.00
	TEMPORARY SURFACING MATERIAL (AGGREGATE) (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
<i>Subtotal</i>					\$ 50,165.00
<b>TEMPORARY PROJECT WATER POLLUTION CONTROL -SOIL EROSION</b>					
	TEMPORARY FERTILIZER (16-20-0)	50	LBS	\$ 2.00	\$ 100.00
	SOIL EROSION MIX	10	LBS	\$ 100.00	\$ 1,000.00
	EROSION CONTROL (CLASS 1, TYPE C)	700	SQYD	\$ 5.00	\$ 3,500.00
	EROSION CONTROL (CLASS 2, TYPE E)	700	SQYD	\$ 6.00	\$ 4,200.00
	SEDIMENT REMOVAL (SET PRICE)	1	CUYD	\$ 50.00	\$ 50.00
	TEMPORARY BERM (SET PRICE)	1	LNFT	\$ 2.00	\$ 2.00
	TEMPORARTY DITCH CHECK (ROCK)	25	CUYD	\$ 100.00	\$ 2,500.00

No.	Item	Quantity	Unit	Unit Price	Total Price
	BIODEGRADABLE LOG (12")	600	LNFT	\$ 12.00	\$ 7,200.00
	BIODEGRADABLE LOG (20")	150	LNFT	\$ 15.00	\$ 2,250.00
	GEOTEXTILE (EROSION CONTROL)	500	SQYD	\$ 5.00	\$ 2,500.00
	WATER (EROSION CONTROL) (SET PRICE)	1	MGAL	\$ 40.00	\$ 40.00
<i>Subtotal</i>					\$ 23,342.00
<b>BRIDGE ITEMS</b>					
	EXCAVATION CLASS 1	175	CUYD	\$ 75.00	\$ 13,125.00
	CONCRETE (GRADE 4.0)(AE)	28.2	CUYD	\$ 1,350.00	\$ 38,070.00
	REINFORCING STEEL (GRADE 60)	5500	LBS	\$ 1.50	\$ 8,250.00
	STRUCTURAL STEEL (A709)(GRADE 36)	4724	LBS	\$ 3.25	\$ 15,353.00
	STRUCTURAL STEEL (A709)(GRADE 50W)	25200	LBS	\$ 3.60	\$ 90,720.00
	GUARDRAIL, STEEL PLATE	125	LNFT	\$ 150.00	\$ 18,750.00
	SLOPE PROTECTION (SHOT ROCK)	80	CUYD	\$ 100.00	\$ 8,000.00
	PILE (CORRUGATED METAL SHEET)	2470	SQFT	\$ 30.00	\$ 74,100.00
	PILE (STEEL) (HP 10X42)	750	LNFT	\$ 65.00	\$ 48,750.00
<i>Subtotal</i>					\$ 315,118.00
<b>SEEDING ITEMS</b>					
	SEEDING	LSUM	LSUM	\$ 15,000.00	\$ 15,000.00
<i>Subtotal</i>					\$ 15,000.00
<b>TOTAL COST ESTIMATE</b>					<b>\$ 529,625.00</b>