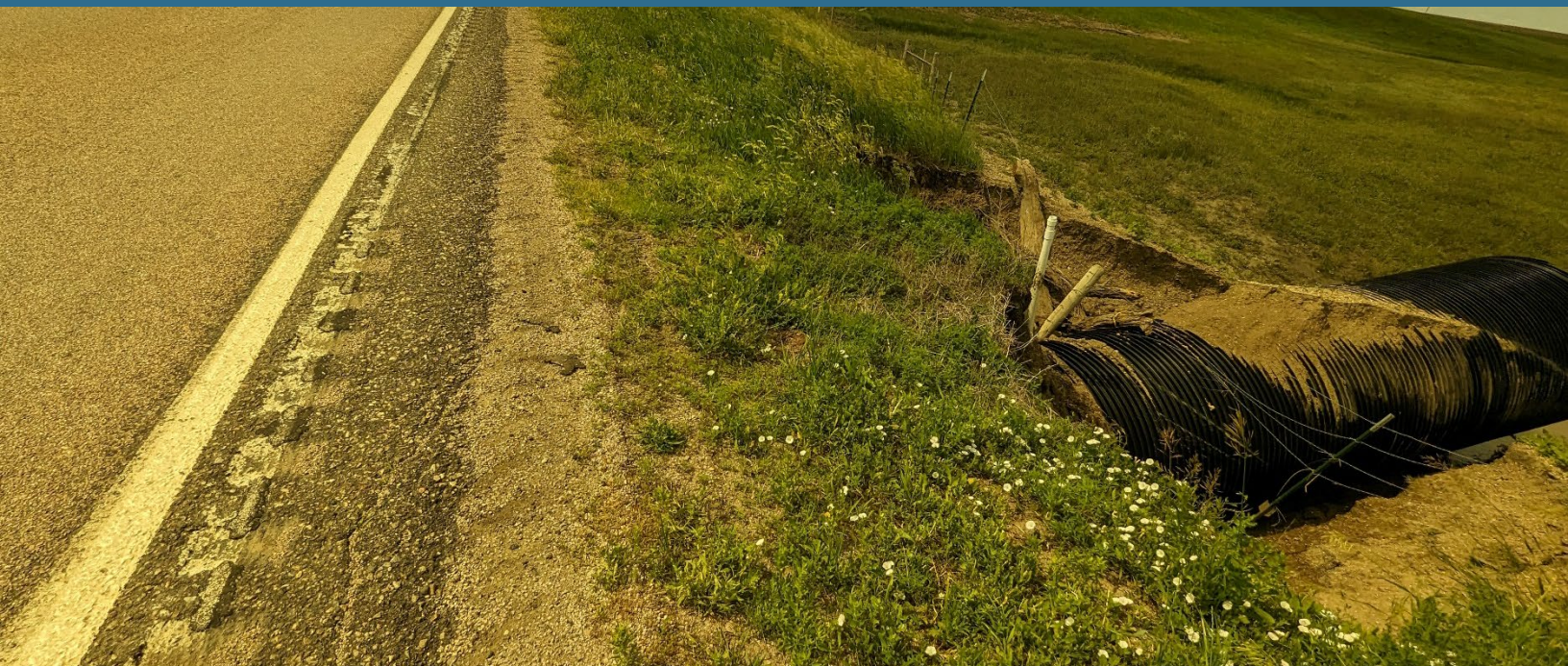


New Underwood Road Reconstruction I90 to SD34 – Meade and Pennington Counties

2023/24 MULTIMODAL PROJECT DISCRETIONARY GRANT (MPDG) OPPORTUNITY



Project Budget

Project Name: New Underwood Road Reconstruction - I90 to SD34 – Pennington and Meade Counties

Project Type: Rural

Total Project Cost: \$98,702,114

2023/24 Rural Funds Requested: \$73,421,624

Contact Information:

Steven Gramm, P.E., Planning Squad Leader

South Dakota DOT

700 E. Broadway Avenue, Pierre, SD 57501

(605) 773-3281

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Supporting Information can be found at:

<https://www.srfconsulting.com/meade-cty-sd34>

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Grant Funds, Sources and Uses of Project Funds

Primary Contact Information

Total Project Cost: \$98.702 million

Total Future Eligible Project Cost: \$91.777 million

Rural Grant Request Amount: \$73.422 (80 percent of future eligible project cost)

Primary Contact Information

Steven Gramm, P.E.
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SDDOT is requesting 80 percent of the estimated total cost of a multi-year phased Project, or \$73.422 million out of an estimated \$84.512 million, in Rural grant funding. Project costs in non-participating categories total an additional \$6.925 million, which the applicant will also be responsible. Thus, of a total Project cost (the combination of Participating and Non-participating Costs) of \$98.702 million, the SDDOT will be responsible for 26%, and requested Rural grant funding would represent 74%. The Rural grant funding request and the SDDOT committed funding are the only sources anticipated to be used for the Project. Thus, no other federal funding sources are documented. Table 1 provides a detailed breakout of cost (2023) by Project section and federal grant requested funding, other federal sources (which is zero) and SDDOT funding. Table 2 documents the anticipated section-by-section year of expenditure cost estimate and desired participation breakout for the Project.

The state is committed to investing non-federal dollars to see the Project completed. SDDOT is solely responsible for funding the preliminary engineering, environmental studies, and right-of-way acquisition, which will total approximately \$6.925 million.

Supporting Documents

Links to supporting documents are included throughout this narrative. All supporting documents and the MPDG grant application narrative are available to view at the following webpage:

<https://www.srfconsulting.com/meade-cty-sd34>

Table 1. Rural Grant Project 2023 Cost and Funding Breakdown

Project Components		Project Funding						Total Cost Estimate
		Federal		Other Federal (secured)		Non-Federal (Secured / Committed)		
		MPDG				SDDOT		
		Dollars	Percent Total	Dollars	Percent Total	Dollars	Percent Total	
Non-Participating Costs	Section 1							
	Prelim Design, NEPA, & Final Design (5% of Const)	\$0	0%	\$0	0%	\$123,207	100%	\$123,207
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$0	0%	
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$123,207	100%	\$123,207
Participating Costs	Construction Costs (2023 dollars)	\$1,971,316	73%	\$0	0%	\$492,829	18%	\$2,464,145
	Construction Engineering & Admin (3.5% of Const)	\$68,996	3%	\$0	0%	\$17,249	1%	\$86,245
	Contingency (5.5% of Const)	\$108,422	4%	\$0	0%	\$27,106	1%	\$135,528
	Total Future Eligible Costs	\$2,148,734	80%	\$0	0%	\$537,184	20%	\$2,685,918
Non-Participating Costs	Section 1							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$1,150,296	61%	\$1,150,296
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$720,607	39%	\$720,607
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$1,870,903	100%	\$1,870,903
Participating Costs	Construction Costs (2023 dollars)	\$16,731,577	71%	\$0	0%	\$4,182,894	18%	\$20,914,471
	Construction Engineering & Admin (3.5% of Const)	\$585,605	2%	\$0	0%	\$146,401	1%	\$732,006
	Contingency (10.0% of Const)	\$1,451,463	6%	\$0	0%	\$362,866	2%	\$1,814,328
	Total Future Eligible Costs	\$18,768,645	80%	\$0	0%	\$4,692,161	20%	\$23,460,806
Non-Participating Costs	Section 2							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$156,701	100%	\$156,701
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$0	0%	\$0
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$156,701	100%	\$156,701
Participating Costs	Construction Costs (2023 dollars)	\$2,279,280	74%	\$0	0%	\$569,820	18%	\$2,849,100
	Construction Engineering & Admin (3.5% of Const)	\$79,775	3%	\$0	0%	\$19,944	1%	\$99,719
	Contingency (5.0% of Const)	\$113,964	4%	\$0	0%	\$28,491	1%	\$142,455
	Total Future Eligible Costs	\$2,473,019	80%	\$0	0%	\$618,255	20%	\$3,091,274
Non-Participating Costs	Section 3							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$1,434,215	64%	\$1,434,215
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$803,030	36%	\$803,030
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$2,237,245	100%	\$2,237,245
Participating Costs	Construction Costs (2023 dollars)	\$20,861,307	71%	\$0	0%	\$5,215,327	18%	\$26,076,634
	Construction Engineering & Admin (3.5% of Const)	\$730,146	2%	\$0	0%	\$182,536	1%	\$912,682
	Contingency (5.0% - Resurfacing/ 10.0% - Replacement) % of Const)	\$1,884,832	6%	\$0	0%	\$471,208	2%	\$2,356,040
	Total Future Eligible Costs	\$23,476,285	80%	\$0	0%	\$5,869,071	20%	\$29,345,357
Non-Participating Costs	Section 4							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$116,765	100%	\$116,765
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$0	0%	
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$116,765	100%	\$116,765
Participating Costs	Construction Costs (2023 dollars)	\$1,698,400	74%	\$0	0%	\$424,600	18%	\$2,123,000
	Construction Engineering & Admin (3.5% of Const)	\$59,444	3%	\$0	0%	\$14,861	1%	\$74,305
	Contingency (5.0% of Const)	\$84,920	4%	\$0	0%	\$21,230	1%	\$106,150
	Total Future Eligible Costs	\$1,842,764	80%	\$0	0%	\$460,691	20%	\$2,303,455
	Non-Participating Costs (PE, NEPA, FD)		\$4,504,821					
	MPDG Request		\$48,709,447		80%		Total Project Cost	\$65,391,629
	Other Federal		\$0		0%			
	Non-Federal		\$12,177,362		20%			
	Total Construction Cost		\$60,886,809		100%			

Table 2. Rural Grant Project Estimated Year of Expenditure Cost and Funding Breakdown

Project Components		Project Funding						Total Cost Estimate
		Federal		Other Federal (secured)		Non-Federal (Secured / Committed)		
		MPDG				SDDOT		
		Dollars	Percent Total	Dollars	Percent Total	Dollars	Percent Total	
Non-Participating Costs	Section 1 – Resurface							
	Prelim Design, NEPA, & Final Design (5% of Const)	\$0	0%	\$0	0%	\$134,545	100%	\$134,545
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$0	0%	
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$134,545	100%	\$134,545
Participating Costs	Construction Costs (2023 dollars)	\$2,152,726	73%	\$0	0%	\$538,182	18%	\$2,690,908
	Construction Engineering & Admin (3.5% of Const)	\$75,345	3%	\$0	0%	\$18,836	1%	\$94,182
	Contingency (5.5% of Const)	\$118,400	4%	\$0	0%	\$29,600	1%	\$148,000
	Total Future Eligible Costs	\$2,346,472	80%	\$0	0%	\$586,618	20%	\$2,933,090
Non-Participating Costs	Section 1 – Replace							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$1,806,141	61%	\$1,806,141
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$1,131,463	39%	\$1,131,463
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$2,937,604	100%	\$2,937,604
Participating Costs	Construction Costs (2023 dollars)	\$26,271,136	71%	\$0	0%	\$6,567,784	18%	\$32,838,920
	Construction Engineering & Admin (3.5% of Const)	\$919,490	2%	\$0	0%	\$229,872	1%	\$1,149,362
	Contingency (10.0% of Const)	\$2,279,018	6%	\$0	0%	\$569,755	2%	\$2,848,773
	Total Future Eligible Costs	\$29,469,644	80%	\$0	0%	\$7,367,411	20%	\$36,837,055
Non-Participating Costs	Section 2							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$171,121	100%	\$171,121
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$0	0%	\$0
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$171,121	100%	\$171,121
Participating Costs	Construction Costs (2023 dollars)	\$2,489,031	74%	\$0	0%	\$622,258	18%	\$3,111,288
	Construction Engineering & Admin (3.5% of Const)	\$87,116	3%	\$0	0%	\$21,779	1%	\$108,895
	Contingency (5.0% of Const)	\$124,452	4%	\$0	0%	\$31,113	1%	\$155,564
	Total Future Eligible Costs	\$2,700,598	80%	\$0	0%	\$675,150	20%	\$3,375,748
Non-Participating Costs	Section 3							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$2,180,594	63%	\$2,180,594
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$1,303,200	37%	\$1,303,200
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$3,483,794	100%	\$3,483,794
Participating Costs	Construction Costs (2023 dollars)	\$31,717,731	71%	\$0	0%	\$7,929,433	18%	\$39,647,164
	Construction Engineering & Admin (3.5% of Const)	\$1,110,121	2%	\$0	0%	\$277,530	1%	\$1,387,651
	Contingency (5.0% - Resurfacing/ 10.0% - Replacement) % of Const)	\$2,951,949	7%	\$0	0%	\$737,987	2%	\$3,689,937
	Total Future Eligible Costs	\$35,779,801	80%	\$0	0%	\$8,944,950	20%	\$44,724,751
Non-Participating Costs	Section 4							
	Prelim Design, NEPA, & Final Design (5.5% of Const)	\$0	0%	\$0	0%	\$198,020	100%	\$198,020
	Right-of-Way Acquisition/Utilities	\$0	0%	\$0	0%	\$0	0%	
	Total Incurred/Non-Participating Costs	\$0	0%	\$0	0%	\$198,020	100%	\$198,020
Participating Costs	Construction Costs (2023 dollars)	\$2,880,285	74%	\$0	0%	\$720,071	18%	\$3,600,356
	Construction Engineering & Admin (3.5% of Const)	\$100,810	3%	\$0	0%	\$25,202	1%	\$126,012
	Contingency (5.0% of Const)	\$144,014	4%	\$0	0%	\$36,004	1%	\$180,018
	Total Future Eligible Costs	\$3,125,109	80%	\$0	0%	\$781,277	20%	\$3,906,387
	Non-Participating Costs (PE, NEPA, FD)		\$6,925,083					
	MPDG Request		\$73,421,624		80%	Total Project Cost	\$98,702,114	
	Other Federal		\$0		0%			
	Non-Federal		\$18,355,406		20%			
	Total Construction Cost		\$91,777,030		100%			