



Russellville Connected Trail System Project Budget



The City of Russellville requests \$24,987,758.48 in RAISE grant funding to implement Russellville Connected Trails System, including completion of design and permitting, construction, inspection, and right-of-way acquisition. Design plans have defined an alignment and are at a 10% stage with preliminary environmental work to identify potential permitting challenges and risks. Considerable local, state, and federal funds have been expended previously on improvements that will leverage the Russellville Connected Trail System’s impact.

Even though no match is proposed for the project and all funding sourced from this grant, the City is committed to this project. According to the Department of Transportation’s definition, the City of Russellville is designated as rural, with 90% of this project located in Areas of Persistent Poverty and 100% located within our Historically Disadvantaged Community. Recent and current investments total \$23,524,524.21 and include street and drainage improvements in addition to trails and sidewalk improvements. This grant would create a significant impact due to the dedication of funds specifically to address transportation inequities.

Table 1: Recent, Current, and Future Investments

Recent Investments			
Project Name	Project Type	Funding	Cost
4 th St & Cleveland Ave	Drainage/Sidewalk	City	\$ 670,267.20
North Detroit Ave	Sidewalk Maintenance	City	\$ 72,934.00
10 th St & Denver Ave	Drainage & Improvements /Trail	City	\$ 363,608.66
H & Parker	Sidewalk/Drainage/Pedestrian Lights	City	\$ 3,846,758.32
RCTS Signage	Signage	City	\$ 150,000.00
O Street	Sidewalk/Drainage	City	\$ 2,294,557.20
N El Paso	Sidewalk/Drainage/Pedestrian Lights	City	\$ 2,385,591.32
Schoolhouse Trail I	Multipurpose Trail	ARDOT / City	\$ 506,758.90
S Inglewood Ave	Drainage/Sidewalk/Trail	City	\$ 4,843,267.83
City Park	Splash Pad	City	\$ 489,595.11
Total Investment			\$ 15,623,338.54
Current (In process) Investments			
Project Name	Project Type	Funding	Cost
Schoolhouse Trail 2	Multipurpose Trail	ARDOT / City	\$ 1,000,000.00
Schoolhouse Trail 3	Multipurpose Trail	City	\$ 936,710.66
S Knoxville Ave	Sidewalk	City	\$ 5,600,000.00
City Park	All Inclusive Playground	City	\$364,475.01
Total Investment			\$ 7,901,185.67
Future Investments			
Project Name	Project Type	Funding	Cost
Elmira Overpass	Bridge Construction / Overpass / Multi-Use Trail	ARDOT / City	\$ 16,600,000.00
Hwy 7 Roundabout	Intersection Imp/ Roundabout/Sidewalks	ARDOT / City	\$ 8,000,000.00
2023 Sidewalk Maintenance	Sidewalk Maintenance	City	\$ 200,000.00
2023 Sidewalk Connectivity	New Sidewalks	City	\$ 100,000.00

The detail of probable cost was determined through engineering analysis of the route and is outlined in tables 2, 3, and 4 on the following pages.



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Table 2: DETAILED OPINION OF PROBABLE COST ENTIRE PROJECT				
TOTAL RAISE FUNDING REQUESTED				\$24,987,758.48
NON-FEDERAL SOURCES				\$0
OTHER FEDERAL SOURCES				\$0
PROJECT CATEGORIES	UNITS	QTY	UNIT COST	COST
CONSTRUCTION COSTS				
Concrete	CY	3678	\$550.00	\$2,022,641.98
Asphalt	Ton	4252	\$165.00	\$701,515.65
Pier Observation	SY	278	\$750.00	\$208,333.33
Undercut	CY	11452	\$50.00	\$572,607.41
Class 7 Base	Ton	16929	\$40.00	\$677,165.52
Site Prep	LF	68689	\$12.50	\$858,612.50
Earthwork	CY	11452	\$20.00	\$229,042.96
Drainage Crossings	LF	68689	\$5.00	\$343,445.00
Utility Relocation	LF	68689	\$8.00	\$549,512.00
Creek Crossings	EA	9	\$70,000	\$630,000.00
Seeding/Mulch	AC	32	\$2,500	\$78,844.12
Topsoil/Sod	SY	30528	\$8.00	\$244,227.56
Erosion Control	LF	68689	\$5.00	\$343,445.00
Trail Lighting	EA	458	\$5,000	\$2,289,633.33
Street Crossings (w/RRFB)	EA	8	\$12,000	\$96,000.00
Street Crossings (HAWK)	EA	2	\$150,000	\$300,000.00
Modify Signal	EA	6	\$20,000	\$120,000.00
Modify RR Crossing Signal	EA	1	\$75,000	\$75,000.00
Railroad Permitting UPRR	EA	1	\$125,000	\$125,000.00
Construction Layout	LF	68689	\$2.50	\$171,722.50
Traffic Control	LF	68689	\$2.50	\$171,722.50
Trailheads	EA	5	\$20,000	\$100,000.00
Pedestrian Underpass - AR Hwy 7	EA	1	\$750,000	\$750,000.00
Pedestrian Underpass - AR Hwy 331	EA	1	\$750,000	\$750,000.00
Pedestrian Interstate Overpass	EA	1	\$3,000,000	\$3,000,000.00
Trail Corridor Aesthetic Mitigation	LF	3200	\$100	\$320,000.00
Riparian Repair/Streambank Stabilization	LF	3200	\$100	\$320,000.00
City Park Amenities	LS	1	\$1,000,000	\$1,000,000.00
Trail Amenities	LS	1	\$200,000	\$198,600.00
Wrought Iron Fence	LF	5000	\$75	\$375,000.00
Privacy Fence	LF	5000	\$50	\$250,000.00
Mural Wall	LF	100	\$350	\$35,000.00
Restroom Facility	EA	1	\$200,000	\$200,000.00
Subtotal				\$18,107,071.36
Contingency (15%)				\$2,716,060.70
CONSTRUCTION TOTAL				\$20,823,132.07
MISCELLANEOUS COSTS				
Design (6%)				\$1,249,387.92
Inspection (4%)				\$832,925.28
Right of Way				\$2,082,313.21
MISCELLANEOUS TOTAL				\$4,164,626.41



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Table 3: PROBABLE COST PER CENSUS TRACT

Census Tracts	Project Cost per Census Tracts	Percentage of total project
9513	\$11,610,456.66	46%
9514	\$4,036,576.21	16%
9515	\$2,668,302.01	11%
9516	\$6,672,423.59	27%
Total Project Cost:	\$24,987,758.48	100%

Table 4: DETAILED OPINION OF PROBABLE COST BY CENSUS TRACT

TOTAL COST PER CENSUS TRACT

				TOTAL COST PER CENSUS TRACT							
				CENSUS TRACT 9513		CENSUS TRACT 9514		CENSUS TRACT 9515		CENSUS TRACT 9516	
TOTAL				\$11,610,456.66		\$4,036,576.21		\$2,668,302.01		\$6,672,423.59	
PROJECT CATEGORIES	UNITS	UNIT COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	
CONSTRUCTION COSTS											
Concrete	CY	\$550.00	639	\$351,388.89	264	\$145,172.84	1474	\$810,876.54	1300	\$715,203.70	
Asphalt	Ton	\$165.00	1711	\$282,323.25	857	\$141,370.35	0	\$-	1684	\$277,822.05	
Pier Observation	SY	\$750.00	0	\$-	0	\$-	0	\$-	278	\$208,333.33	
Undercut	CY	\$50.00	4609	\$230,444.44	2308	\$115,392.59	0	\$-	4535	\$226,770.37	
Class 7 Base	Ton	\$40.00	6813	\$272,523.60	3412	\$136,463.28	0	\$-	6704	\$268,178.64	
Site Prep	LF	\$12.50	20730	\$259,125.00	9927	\$124,087.50	11942	\$149,275.00	26090	\$326,125.00	
Earthwork	CY	\$20.00	4609	\$92,177.78	2308	\$46,157.04	0	\$-	4535	\$90,708.15	
Drainage Crossings	LF	\$5.00	20730	\$103,650.00	9927	\$49,635.00	11942	\$59,710.00	26090	\$130,450.00	
Utility Relocation	LF	\$8.00	20730	\$165,840.00	9927	\$79,416.00	11942	\$95,536.00	26090	\$208,720.00	
Creek Crossings	EA	\$70,000	2	\$140,000.00	1	\$70,000.00	2	\$140,000.00	4	\$280,000.00	
Seeding/Mulch	AC	\$2,500	10	\$23,794.77	5	\$11,394.63	5	\$13,707.53	12	\$29,947.20	
Topsoil/Sod	SY	\$8.00	9213	\$73,706.67	4412	\$35,296.00	5308	\$42,460.44	11596	\$92,764.44	
Erosion Control	LF	\$5.00	20730	\$103,650.00	9927	\$49,635.00	11942	\$59,710.00	26090	\$130,450.00	
Trail Lighting	EA	\$5,000	138	\$691,000.00	66	\$330,900.00	80	\$398,066.67	174	\$869,666.67	
Street Crossings (w/RRFB)	EA	\$12,000	3	\$36,000.00	1	\$12,000.00	1	\$12,000.00	3	\$36,000.00	
Street Crossings (HAWK)	EA	\$150,000	1	\$150,000.00	1	\$150,000.00	0	\$-	0	\$-	
Modify Signal	EA	\$20,000	3	\$60,000.00	1	\$20,000.00	1	\$10,000.00	2	\$30,000.00	
Modify RR Crossing Signal	EA	\$75,000	0	\$-	0	\$-	0	\$-	1	\$75,000.00	
Railroad Permitting UPRR	EA	\$125,000	0	\$-	0	\$-	0	\$-	1	\$125,000.00	
Construction Layout	LF	\$2.50	20730	\$51,825.00	9927	\$24,817.50	11942	\$29,855.00	26090	\$65,225.00	
Traffic Control	LF	\$2.50	20730	\$51,825.00	9927	\$24,817.50	11942	\$29,855.00	26090	\$65,225.00	
Trailheads	EA	\$20,000	1	\$20,000.00	1	\$20,000.00	1	\$20,000.00	2	\$40,000.00	
Pedestrian Underpass - AR Hwy 7	EA	\$750,000	0.5	\$375,000.00	1	\$375,000.00	0	\$-	0	\$-	
Pedestrian Underpass - AR Hwy 331	EA	\$750,000	1	\$750,000.00	0	\$-	0	\$-	0	\$-	
Pedestrian Interstate Overpass	EA	\$3,000,000	1	\$3,000,000.00	0	\$-	0	\$-	0	\$-	
Trail Corridor Aesthetic Mitigation	LF	\$100		\$-	3000	\$300,000.00	0	\$-	200	\$20,000.00	
Riparian Repair/Streambank Stabilization	LF	\$100		\$-	3000	\$300,000.00	0	\$-	200	\$20,000.00	
City Park Amenities	LS	\$1,000,000	1	\$1,000,000.00	0	\$-	0	\$-	0	\$-	
Trail Amenities	LS	\$200,000	33%	\$66,600.00	33%	\$66,000.00	0	\$-	33%	\$66,000.00	
Wrought Iron Fence	LF	\$75	0	\$-		\$-	0	\$-	5000	\$375,000.00	
Privacy Fence	LF	\$50	1250	\$62,500.00	1250	\$62,500.00	1250	\$62,500.00	1250	\$62,500.00	
Mural Wall	LF	\$350	0	\$-	100	\$35,000.00	0	\$-	0	\$-	
Restroom Facility	EA	\$200,000	0	\$-	1	\$200,000.00	0	\$-	0	\$-	
Subtotal				\$8,413,374.39		\$2,925,055.23		\$1,933,552.18		\$4,835,089.56	
Contingency (15%)				\$1,262,006.16		\$438,758.28		\$290,032.83		\$725,263.43	
CONSTRUCTION TOTAL				\$9,675,380.55		\$3,363,813.51		\$2,223,585.01		\$5,560,352.99	
MISCELLANEOUS COSTS											
Design (6%)				\$580,522.83		\$201,828.81		\$133,415.10		\$333,621.18	
Inspection (4%)				\$387,015.22		\$134,552.54		\$88,943.40		\$222,414.12	
Right of Way				\$967,538.06		\$336,381.35		\$222,358.50		\$556,035.30	
MISCELLANEOUS TOTAL				\$1,935,076.11		\$672,762.70		\$444,717.00		\$1,112,070.60	