

SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION ENHANCEMENT GRANT APPLICATION

Date:

Project Title : FAIRGROUNDS BIKE PATH IMPROVEMENT PROJECT

(Rapid Creek Biway-Fairgrounds Segment Connection)

Project Category

Please check the following categories that qualify your project for funding. It is possible your project may fall into one or more categories. If your community is applying for multiple projects in different categories that are unlike in project scope or are in different locations, please fill out separate project applications for reviewing and tracking purposes.

- Pedestrian/Bicycle Facilities
- Safety and Educational activities for pedestrians and bicyclists
- Acquisition of scenic easements and scenic or historic sites.
- Scenic/Historic Highways (Tourist/Welcome Center Facilities)
- Landscaping/Scenic Beautification
- Historic Preservation
- Rehabilitation of Historic Transportation Buildings, Structures & Facilities
- Preservation of Abandoned Railway Corridors for Conversion to Trails
- Control/Removal of Outdoor Advertising
- Archaeological Planning and Research
- Environmental Mitigation
- Transportation Museums

Project Sponsor. *This contact should be knowledgeable about the project and the application. The sponsor may be contacted for more information and will receive all correspondence about the project.*

Project Sponsor (Local government or state agency) City of Rapid City, SD

Contact Person: Rod Johnson, City of Rapid City

Address: Public Works Department, 300 Sixth Street

City: Rapid City, South Dakota 57701

Phone Number: 605-394-4165 Fax Number 605-394-6636

E-mail address: rod.johnson@rcgov.org

Co-Sponsors (if applicable) _____

Resolution: Copy attached.

The local sponsor must submit a resolution certifying:

- compliance with local zoning and planning regulations
- support of the application
- maintenance of the project
- payment of required match

Project Costs. *Costs only associated with the enhancement funds requested. Do not include non-reimbursable costs. The eligible costs are defined under Section C, Funding Eligibility in the guidelines.*

Federal Enhancement Share	\$136,000
Sponsor Share	<u>\$ 30,000</u>
Total Cost	\$166,000

Project Description. *Give a general description of your project, for example, project is to design and construct a bike trail along an abandoned railroad corridor, two pedestrian bridges and signs connecting the communities of Mainville and Plainville*

The project is to design and construct an approximately 1500 foot long segment of the Rapid Creek Biway which will complete a discontinuous section of the Biway located along San Francisco Street at the Central States Fairgrounds in Rapid City. The Rapid Creek Biway is constructed and functional on each side of this uncompleted segment. Three alternative concept plans have been developed for the project and the preferred Alternative #3 would route the path along the Rapid Creek.

Project Elements. *List each individual element involved in project, for example, engineering for trail, bridges and signs, grade railbed, pave aggregate or asphalt bike trail, install signs, construct and install bridges.*

Design engineering, subgrade and grade preparation for path and minor road and driveway modifications, paving of concrete path, restoration of disturbed road and driveway areas and installation of appropriate signs and pavement markings.

Location and Length of Project. *Give a specific location including the streets, rivers, parks, from and to locations including the municipalities and give the length in miles, for example, 5 miles along the abandoned CNW RR from Main Street to Walnut Street in Mainville.*

The project is a 1500 ft segment located along Rapid Creek, approximately parallel with San Francisco Street at the Central States Fairgrounds in Rapid City.

Transportation Link. *Give an explanation of how your project is linked to transportation. Transportation Enhancement activities projects must have a direct relationship to the intermodal transportation system (highways, railroads, air, water, public transit), but not necessarily to a currently planned transportation project. This relationship may be established by function, proximity, or impact.*

This project serves to complete a discontinuous segment of the Rapid Creek Biway. The 12.2 mile-long Rapid Creek Biway is the principal component of the Rapid City Bikeway System and is an eight foot wide concrete path that parallels Rapid Creek through the center of the community. Originally constructed as part of the greenway rebuilding effort following the 1972 Rapid City flood the Rapid Creek Biway serves as the principal arterial of the bikeway/walkway system in the community; additional paths serve as collector routes that feed into the Rapid Creek Biway.

Construction of this segment will provide Biway users an uninterrupted route through the Fairgrounds and a seamless connection to the remainder of the Rapid Creek Biway and its feeder paths. The project ties together an important intermodal interface as a significant amount of the bicycle and pedestrian traffic in this area is generated at nearby vehicle parking facilities. The completion of this segment diverts pedestrian and bicycle traffic safely away from the congested street and parking facilities at the Fairgrounds and enhances the function of this pedestrian and bicycle corridor.

Project Map. *Attach an 8 1/2" by 11" map of the project area. Reference street names, rivers and landmarks, and connection to existing facilities*

See attached.

Photographs. *Include photographs of the project or site, for example, the end points of a bikeway or the inside and outside of a building.*

See attached.

Present Condition. *What is the present condition of the project site?*

The unimproved segment does not exist through the project site at this time. Currently, bikeway/pedestrian traffic migrates onto San Francisco Street creating conflict points with existing vehicular traffic.

List all agencies or entities affected by the proposed project. *Indicate whether they support or oppose the project.*

The Rapid City City Council, the Pennington County Board of Commissioners, the Central States Fair, the Rapid City Area MPO Bike/Walk/Run Committee and the Mayor's Committee for Disabled Citizens all support the project.

Project Relationship. *What relationship does your project have with other planned improvements?*

Check the box that applies to your project.

- Project is stand-alone project.
- Project is proposed to be developed and implemented with another project.
- Project is a part of a larger project (not being implemented at the same time).
- Project is an extension of a completed project.

Describe any project elements that will be funded with other funds, but implemented at the same time. A detailed cost breakdown should be included further in the funding section.

FUNDING

The project cost estimate should only document total costs associated with the enhancement funds requested. Do not include non-reimbursable costs. Costs should be accurate cost estimates prepared by an engineer or architect.

Cost Estimates Prepared By: Rod Johnson Phone No.:605-394-4165

Agency/Firm: City of Rapid City, Public Works Department

Signature: _____

Project Cost Estimate.

Types of Work	<u>Federal Share</u>	<u>Sponsor Share</u>	<u>Total</u>
Preliminary Engineering	\$ 10,450	\$ 2,300	\$ 12,750
Right-of-way Acquisition	N/A	N/A	N/A
Utility Relocations	N/A	N/A	N/A
Construction	\$123,710	\$27,290	\$151,000
Construction Engineering (Supervision)	\$ 1,840	\$ 410	\$ 2,250
Total Enhancement Dollars Requested	\$136,000	\$30,000	\$166,000

Sources of Sponsor Share

Types of Work	<u>Sponsor Share \$\$</u>	<u>Funding Source</u>
Preliminary Engineering	\$ 2,300	City Funds
Right-of-way Acquisition	\$ 0	N/A
Utility Relocations	\$ 0	N/A
Construction	\$ 27,290	City Funds
Construction Engineering (Supervision)	\$ 410	City Funds
Total Sponsor Share	\$ 30,000	

Construction Items. List a detailed cost estimate of each individual item in the project. Some examples are lighting, landscaping, grade path, pave path, signs, etc.

Item	Description	Unit	Quantity	Unit Price	Total
1	Remove Existing Sidewalk	s.f.	320	\$ 2.00	\$ 640
2	Remove & Replace Topsoil	c.y.	400	\$ 10.00	\$ 4,000
3	Excavation, Unclassified	c.y.	200	\$ 8.00	\$ 1,600
4	Aggregate Base Course	ton	500	\$ 14.50	\$ 7,250
5	Concrete Bike/Walk Path	s.f.	17000	\$ 4.50	\$ 76,500
6	Concrete "C" Retaining Wall	l.f.	150	\$ 55.00	\$ 8,250
7	12" RCP, Class II	l.f.	10	\$ 35.00	\$ 350
8	Rip-rap	ton	200	\$ 50.00	\$ 50,000
9	Erosion Control, Silt Fence	l.f.	2100	\$ 4.00	\$ 8,400
10	Guardrail	l.f.	270	\$ 20.00	\$ 5,400
11	Seed Fertilize Mulch	s.y.	5000	\$ 1.00	\$ 5,000
	Sub Total				\$ 127,390
	Contingency				\$ 19,109
	Mobilization	ea	1	\$ 3000	\$ 3,000
	Traffic Control	ea	1	\$ 1500	\$ 1,500
	Total Project Items				\$ 150,990
	Consultant Design Fee				\$ 12,750
	Construction Eng/Supervision				\$ 2,250
Total Cost of Construction Items					\$ 166,000

Total Cost of Project. Including enhancement funding and non-reimbursable costs.

\$166,000

IMPLEMENTATION TIME SCHEDULE

Time Schedule

Types of Work	<u>Fiscal Year</u>	<u>Start Date</u>	<u>Completion Date</u>
Preliminary Engineering	2006	Apr 2006	Jun 2006
Right-of-way Acquisition	N/A	N/A	N/A
Utility Relocations	N/A	N/A	N/A
Construction	2007	Oct 2006	Dec 2006
Construction Engineering	2007	Oct 2006	Dec 2006