

Surface Transportation Block Grant Program – Urban (STBG-U) Project Application and Ranking Process - Safety

Due: February 6, 2020

Project Name, Location and Brief Description: Elm St.; Yellowstone to Blvd. Idaho Falls. This is a roadway reconstruction project that will allow for the removal of the rutted pavement, and the parabolic crown.

[Attachment 2435 Form](#)

A) Safety (0-35 points)

When assigning points consider how well the project addresses high accident locations by including safety improvements to mediate the primary causes of crashes.

What locations exist within the projects scope that are considered to have a high degree of accidents? Why are they deemed to be critical accident locations that need attention? 23 accidents in the last 5 years within the project limits (4 B accidents, 3 C accidents and 16 PDO accidents). The initial construction with a parabolic crown coupled with multiple overlays over the years has resulted in a significant drop in the pavement to gutter pan drop of over six inches deep.

Accident Location and Rates:

1)	Crash: 1.30	Severity: 1.92	Density: 4.6	Overall: 2.67
2)	Crash:	Severity:	Density:	Overall:
3)	Crash:	Severity:	Density:	Overall:

[Accident Worksheet](#)

What are the primary causes of accidents from crash reports? The 23 accidents include 5 rear end accidents, 16 angle turning accidents, and a ran off road and a pedacycle accident. The majority of the contributing circumstances include failure to yield, inattention, following too close and speed too fast for conditions.

If the overall rate based on crash, severity and density rates is below average, what evidence exists that the proposed improvements will provide a safety benefit?

Identify project design elements/counter measures implemented to address primary causes of accidents. Include related crash reduction factor:

Crash reduction counter measures:	Crash reduction factor:
1) Shoulder (pavement to gutter pan improvement)	CMF clearing house shows a reduction factor of 75% for roadway slope improvements.
2)	
3)	

B) System Preservation (0-5 points)

When assigning points consider how well the project preserves or enhances the transportation system.

What traffic control devices, if any, will be added or upgraded? **None**

C) Multi-modal and Accessibility (0-5 points)

When scoring points consider if the project includes multi-modal facilities for improved accessibility, connectivity and safety.

What bicycle and pedestrian and/or public transportation improvements, if any, are included in the project? Why are the improvements deemed important? **Striped Bicycle Lanes will be accommodated. ADA corners will be provided. There is a potential Bus stop at the YMCA along Elm St within the project limits where ADA access would be upgraded.**

D) Project Cost (0-5 points)

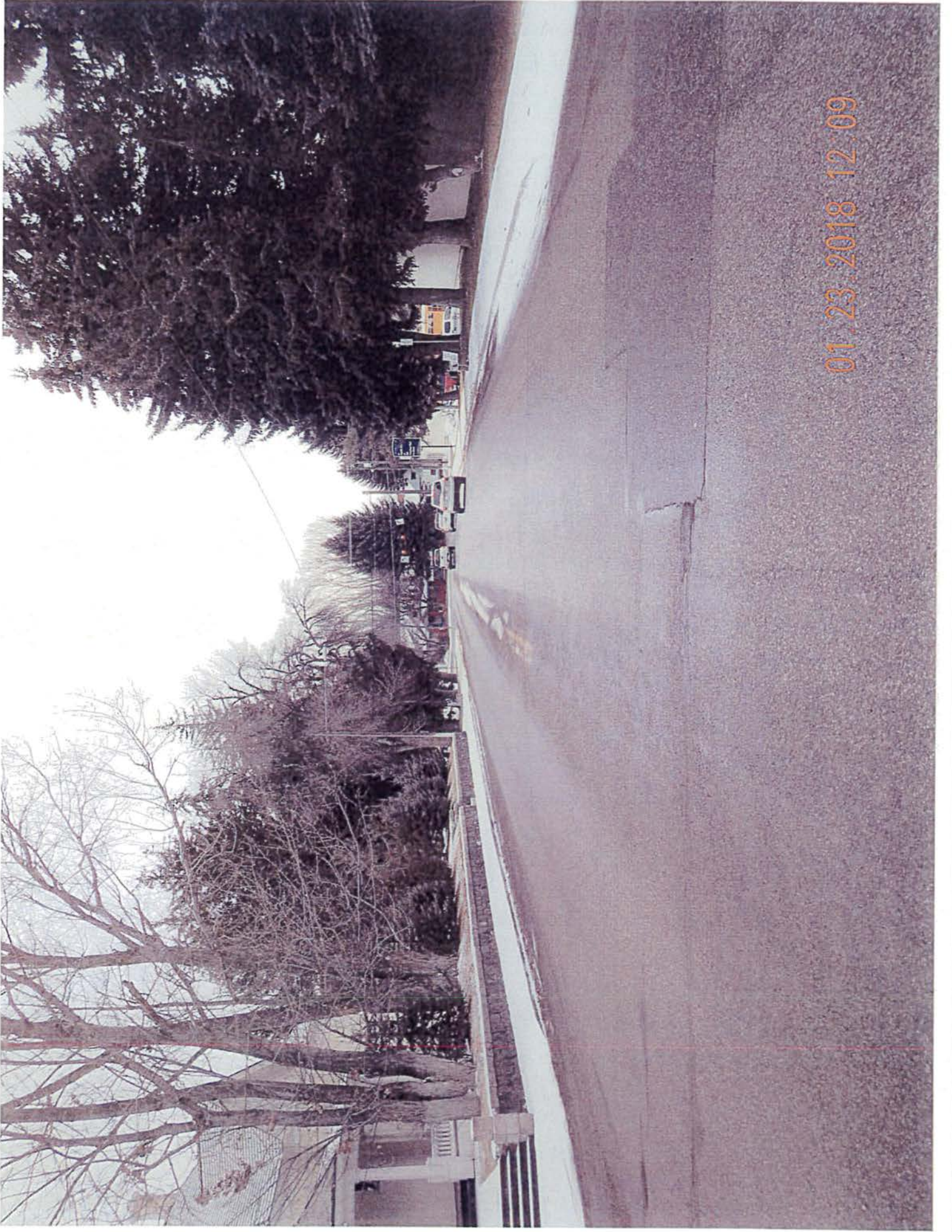
When scoring points consider if the project is a good use of limited federal funds.

Attachment 1150 Form

What is the total estimated cost of the project? \$965,000

Summarize the benefits of the completion of this project relative to its estimated cost: **Removed parabolic roadway and improved right of way usage for pedestrians and bicyclists.**

Is the project coordinated with other projects or funding sources? **No**



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Project Cost Summary Sheet

ITD 1150 (Rev. 06-17)
itd.idaho.gov

Round Estimates to Nearest \$1,000

Key Number	Project Number	Date
		2/6/2020
Location		District
Elm Street Reconstruction; Yellowstone to Blvd		6
Segment Code	Begin Mile Post	End Mile Post
4360	0.042	0.315
		Length in Miles
		0.273

	Previous ITD 1150	Initial or Revise To
1a. Preliminary Engineering (PE)		\$10,000
1b. Preliminary Engineering by Consultant (PEC)		\$140,000
2. Right-of-Way: Number of Parcels Number of Relocations		
3. Utility Adjustments: <input type="checkbox"/> Work <input type="checkbox"/> Materials <input type="checkbox"/> By State <input type="checkbox"/> By Others		
4. Earthwork		\$90,000
5. Drainage and Minor Structures		\$70,000
6. Pavement and Base		\$300,000
7. Railroad Crossing:		
Grade/Separation Structure _____		
At-Grade Signals <input type="checkbox"/> Yes <input type="checkbox"/> No		
8. Bridges/Grade Separation Structures:		
<input type="checkbox"/> New Structure Length/Width _____		
Location _____		
<input type="checkbox"/> Repair/Widening/Rehabilitation Length/Width _____		
Location _____		
9. Traffic Items (Delineators, Signing, Channelization, Lighting, and Signals)		\$90,000
10. Temporary Traffic Control (Sign, Pavement Markings, Flagging, and Traffic Separation)		\$50,000
11. Detours		
12. Landscaping		\$25,000
13. Mitigation Measures		\$15,000
14. Other Items (Roadside Development, Guardrail, Fencing, Sidewalks, Curb and Gutter, C.S.S. Items)		\$100,000
15. Cost of Constructions (Items 3 through 14)		\$740,000
16. Mobilization 10 % of Item 15		\$74,000
17. Construction Engineer and Contingencies % of Items 15 and 16		\$1,000
18. Total Construction Cost (15 + 16 + 17)		\$815,000
19. Total Project Cost (1 + 2 + 18)		\$965,000
20. Project Cost Per Mile	\$1,000	\$3,535,000

Prepared By:

Chris Canfield, P.E.; Assistant Public Works Director

Local Federal-Aid Project Request



Instructions

1. Under Character of Proposed Work, mark appropriate boxes when work includes Bridge Approaches in addition to a Bridge.
2. Attach a Vicinity Map showing the extent of the project limits.
3. Attach an ITD 1150, Project Cost Summary Sheet.
4. Signature of an appropriate local official is the only kind recognized.

Note: In Applying for a Federal-Aid Project, You are Agreeing to Follow all of the Federal Requirements Which Can Add Substantial Time and Costs to the Development of the Project.

Sponsor (City, County, Highway District, State/Federal Agency) City of Idaho Falls			Date 02/06/20
Project Title (Name of Street or Road) Elm St; Yellowstone to Boulevard	F.A. Route Number 004360	Project Length 1500	Bridge Length N//A

Project Limits (Local Landmarks at Each End of the Project)
Elm Street fomr YELLOWstone to Boulevard

Character of Proposed Work (Mark Appropriate Items)

<input checked="" type="checkbox"/> Excavation	<input checked="" type="checkbox"/> Bicycle Facilities	<input checked="" type="checkbox"/> Utilities	<input checked="" type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Drainage	<input checked="" type="checkbox"/> Traffic Control	<input checked="" type="checkbox"/> Landscaping	<input checked="" type="checkbox"/> Seal Coat
<input checked="" type="checkbox"/> Base	<input type="checkbox"/> Bridge(s)	<input type="checkbox"/> Guardrail	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Bit. Surface	<input checked="" type="checkbox"/> Curb & Gutter	<input checked="" type="checkbox"/> Lighting	

Estimated Costs (Attach ITD 1150, Project Cost Summary Sheet)

Preliminary Engineering (ITD 1150, Line 1) \$ 150,000
 Right-of-Way (ITD 1150, Line 2) \$ N/A
 Construction (ITD 1150, Line 18) \$ 815,000

Preliminary Engineering By: Sponsor Forces Consultant

Checklist (Provide Names, Locations, and Type of Facilities)

Railroad Crossing	N/A
Within 2 miles of an Airport	N/A
Parks (City, County, State or Federal)	N/A
Environmentally Sensitive Areas	N/A
Federal Lands (Indian, BLM, etc.)	N/A
Historical Sites	N/A
Schools	N/A
Other	N/A

Additional Right-of-Way Required: None Minor (1-3 Parcels) Extensive (4 or More Parcels)

Will any Person or Business be Displaced: Yes No Possibly

Standards	Existing	Proposed	Standards	Existing	Proposed
Number of Lanes	3	3	Roadway Width (Shoulder to Shoulder)	42 ft	42 ft
Pavement Type	Plantmix	Plantmix	Right-of-Way Width	60 ft	60 ft

Sponsor's Signature 	Title Asote Public Works Director
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Additional Information to be Furnished by the District

Functional Classification	Terrain Type	20	ADT/DHV
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VICINITY MAP



1" = 500'

ELM ST RECONSTRUCTION
YELLOWSTONE AV TO S BOULEVARD
BONNEVILLE COUNTY
CITY OF IDAHO FALLS