



Bisbee Main Street Glass Sidewalk Round 17 Application Transportation Enhancement 2009

Submitted by

City of Bisbee

Contact

**Thomas J. Klimek, P.E., R.L.S.
Public Works, Deputy Director**

118 Arizona Street

Bisbee AZ 85603

520-432-6004

tklimek@cityofbisbee.com

Project Summary



Main Street Glass Sidewalk

Round 17 Application
Transportation Enhancement
2009

City of Bisbee

- Project Description – This project shall consist of the planning, scoping, design, repair and refurbishing of the existing Main Street Glass Sidewalk.
- Historical Sidewalk- The Glass Sidewalk was constructed in 1908.
- Cost Estimate - \$79,615.00
- Location- This project is located at 37 Main Street in the old Bisbee Historic District.
- Purpose - The improvement of this project will result in a safe and reliable pedestrian sidewalk while preserving an element of Bisbee’s historic culture.

**TRANSPORTATION ENHANCEMENT APPLICATION
APPLICANT INFORMATION**

1. APPLICANT AND SPONSOR (Must be ADOT if on ADOT right of way) CITY OF BISBEE		MPO / COG SEAGO	2. DATE JULY 13, 2009
3. PROJECT NAME & LIMITS- Must provide physical/actual project limits by common name. (IF ON STATE SYSTEM, PLEASE BEGIN NAME WITH ROUTE NUMBER AND PROVIDE COMMON STREET NAMES. EXCEPT IN RURAL AREAS, USE OF MILEPOST SHOULD BE AVOIDED IN THE PROJECT NAME AND AS THE PRIME LOCATOR) BISBEE MAIN STREET SIDEWALK – GLASS SIDEWALK			
4. Contact Person-Name and mailing address THOMAS J. KLIMEK, P.E., R.L.S. 118 Arizona Street			
CITY Bisbee	ZIP CODE 85603	5. COUNTY Cochise	6. CONGRESSIONAL DISTRICT 8
PHONE NO:	(520) 432-6002		
FAX NO:	(520) 432-2642		
TITLE: Deputy Public Works Director	EMAIL:	tklimek@cityofbisbee.com	
7. ALTERNATE Contact-Name and Mailing address RUSSELL MC CONNELL 118 Arizona Street	PHONE NO:	(520) 432-6004	
TITLE: Public Works Director	FAX NO:	520-432-6262	
	EMAIL:	rmccconnell@cityofbisbee.com	
8. List eligible activity (s) by number and title:	#1 Provision of facilities for pedestrians and bicycles #6 Historic Preservation		
9. List requested federal amount: (Must match amount in cost estimate)	\$ 65,385.00		
10. List total cost of project: (scoping, design and construction including federal funds, and ADOT review fees) (Must match amount in cost estimate)	\$ 79,615.00		

Please fill in all requested information for Items 1 through 10
CHECK ONE or TWO BOXES THAT APPLY

11. Check primary activity in which you wish to be evaluated

1.	<input checked="" type="checkbox"/>	PROVISION OF FACILITIES FOR PEDESTRIANS AND BICYCLES. This does not include typical construction elements of a roadway such as; travel lanes, traffic signals, crosswalks, etc.
2.	<input type="checkbox"/>	PROVISION OF SAFETY AND EDUCATIONAL ACTIVITIES FOR PEDESTRIANS AND BICYCLISTS Activities must have a broad and preferably regional target audience
	<input checked="" type="checkbox"/>	ACQUISITION OF SCENIC EASEMENTS OR HISTORIC SITES – <u>NOT ELIGIBLE IN ARIZONA</u>
4.	<input type="checkbox"/>	SCENIC OR HISTORIC HIGHWAY PROGRAMS (INCLUDING THE PROVISION OF TOURIST AND WELCOME CENTER FACILITIES) ADOT does have in place a Parkways, Historic, and Scenic Roads Program. This program does have a separate grant program for projects on those routes that have been designated by the State/ADOT. <u>Must be on or within 2 miles of a State designated Scenic or Historic road.</u>
5.	<input type="checkbox"/>	LANDSCAPING AND OTHER SCENIC BEAUTIFICATION This is for primarily plant landscaping activities. You can include site furniture such as benches, trash receptacles, etc. Stand-alone public art is not considered scenic beautification. You can include some art as part of a project but it is not eligible as a separate category under Transportation Enhancements. Maintenance of landscaping does not qualify under this program.
6.	<input checked="" type="checkbox"/>	HISTORIC PRESERVATION Any work under this category must have a strong surface transportation link either past, present or future.
7.	<input type="checkbox"/>	REHABILITATION OF HISTORIC TRANSPORTATION BUILDINGS, STRUCTURES, OR FACILITIES (INCLUDING HISTORIC RAILROAD FACILITIES AND BRIDGES)
8.	<input type="checkbox"/>	PRESERVATION OF ABANDONED RAILWAY CORRIDORS (INCLUDING THE CONVERSION AND USE THEREOF FOR PEDESTRIAN OR BICYCLE TRAILS)
9.	<input type="checkbox"/>	CONTROL AND REMOVAL OF OUTDOOR ADVERTISING
10.	<input type="checkbox"/>	ARCHEOLOGICAL PLANNING AND RESEARCH
11.	<input type="checkbox"/>	ENVIRONMENTAL MITIGATION TO ADDRESS WATER POLLUTION DUE TO HIGHWAY RUNOFF OR REDUCE VEHICLE-CAUSED WILDLIFE MORTALITY WHILE MAINTAINING HABITAT CONNECTIVITY
12.	<input type="checkbox"/>	ESTABLISHMENT OF TRANSPORTATION MUSEUMS Please be aware that there are specific requirements for this category. Please contact your MPO, COG representative or ADOT TE Section staff for additional information.

12. PROJECT SPECIFIC DESCRIPTION: INCLUDE PROJECT CONCEPT, LENGTH, MILEPOSTS, and NUMBER OF ACRES. LIST ALL KEY ELEMENTS OF THE PROJECT SCOPE. (e.g., construct .5 miles of 10 foot wide asphalt multi-use pathway along north side of X Rd)
Word Count (200)

Concept: To repair the sub-structure under the Main Street Glass Sidewalk which was originally constructed in 1908. This repair work will restore and save this historic glass sidewalk along Main Street in the Bisbee Historic District.

Length: The section of sidewalk that needs repaired is approximately six (6) feet wide and forty (40) feet long.

Location: This famous, historic glass sidewalk is located at 37 Main Street in front of the Bisbee Restoration Association Museum.

Justification: Over the past 100 Years, the glass panels have been exposed to freeze/thaw cycles, heavy tourist use, and exposure to monsoon strength rains, the concrete box beams and I-beams that support the glass sidewalk are badly corroded and deteriorated.

Summary: Renovation and preservation of this glass sidewalk will provide a safe walkway and preserve this important, historic element of the community’s culture.

13. Describe the project. Please answer all questions.

A.	Where is the project located? Provide actual physical location. (Must attach vicinity and state map in appendix) If State Project, include the beginning and ending mile post along with the route.
	The project is located at 37 Main Street in Bisbee's Historical Downtown District.
B.	Is the project on a planned, existing, or under construction transportation corridor? Existing
	If on a planned corridor under construction, what is the approximate or scheduled completion date for the corridor? Not applicable
	This project lies along the proposed Main Street Sidewalk Project which is being funded via the Transportation Enhancement Program, round 7.
C.	What major construction, design, and right-of-way work does the project entail? Describe any need for major land modification, retaining walls, etc. and include in cost estimate.
	Due to the unique construction of the glass sidewalk, it will be necessary to first assess the “as-built”, existing conditions before proceeding with scoping, design and construction procedures.
D.	Can the project be constructed entirely within the project right-of-way? YES
	Who owns the proposed project ROW? City of Bisbee
	Are there any private landowners involved? If so please list below.. YES
	What percent of the project area is on ADOT ROW? NONE
	Mr. Richard Cooksley, owner of the Bisbee Restoration Museum.

E.	Are there drainage issues to consider? Describe any potential impacts to Waters of the U.S.	NO
F.	Are utility relocations necessary?	NO
G.	What is the proposed time frame for completion of the project?	NO
	For all environmental, design, and scoping approval from ADOT, the time for completion of this project is estimated to take approximately 18 months. This schedule includes 60 to 90 days for construction.	
H.	Will the project be ADA accessible?	

14. How will the project be maintained?

All projects will require a signed Joint Project Agreement (JPA) prior to project construction with the government sponsoring entity. If the project is a state project the local government entity for which the project falls will be responsible for long term maintenance. If agreement is not signed the project will be terminated. The following information is required for completing the JPA. Please answer all questions listed by describing how the project will be maintained and repaired after completion.

A.	Organization(s) responsible for on-going maintenance and repairs of the TE project. The City of Bisbee Public Works Department will be responsible for ongoing maintenance and repairs of the enhancement project, and will incorporate it into their regular maintenance schedule.
B.	Proposed on-going maintenance and repair program City of Bisbee Public Works Department will assess the condition of the glass sidewalk on a regular basis and provide prompt repair on an "as needed" basis.
C.	Source of funds for on-going maintenance and repairs City of Bisbee, Arizona – General Fund

15. If you are a local government, do you anticipate requesting self bid and administration based on the FHWA guidelines? (See TE Handbook, revised 2008, for clarification - available at www.adotenhancement.com)

YES NO

16. Does the proposed project involve or is it adjacent to a historic property or historic district?

YES NO

If so, has the SHPO been allowed to review, comment and provide direction on the proposed project?"

YES NO

If so, please identify the specific designation(s) and limits and briefly describe why the proposed project qualifies. If this is a rail corridor project is the corridor "rail banked" or is the abandonment authorized by or proceeding before the Interstate Rail Commission?

Word Count (100)

The Main Street Glass Sidewalk was constructed in 1908. Like a ship's prism, the sidewalk moves natural light into the basement below. There are over 1200 individual glass squares set in eight (8) square panels.

According to Mr. Robert Frankeberger, Senior Architect with the State Historic Preservation Office, sidewalks of this design and style were quite common in Major Cities over 100 years ago. He indicated his full support for this project in terms of its historical significance.

The sidewalk is located in the old Bisbee historic district which is listed on the National Register of Historic Places.

17. Describe how the community was or will be involved in this project. Please include the following: Community involvement in the planning, scoping process, design process, or implementation. Is the project listed in any planning documents that had extensive public participation?

Total Word Count (200)

The City of Bisbee conducted a planning charrette for the historic district which was facilitated by the State Historic Preservation Office. The community was invited to participate and did so in large numbers. As a result of the charrette, the community determined that the preservation of historic elements of architecture and infrastructure was a priority for the community. In addition, discussions with shop owners along Main Street indicated to many of the City Staff that they would like to see this particular historic element, the glass sidewalk, preserved. The Chamber of Commerce also endorses the project and recognizes its value as a work of art, as an element of the historic district to be preserved, and a necessity to create a safe walkway for pedestrians accessing commercial buildings along Main Street. The need for historic preservation along Main Street is included in the old Bisbee Charrette documents.

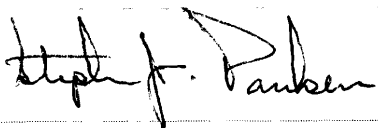
18. Describe why the project is an enhancement and how it relates to the transportation infrastructure of the community, region and/or state. Describe how this project will benefit the community and improve existing conditions. Why should this project be funded? (Answer all three parts in detail).

Total Word Count (250)

1. The project is related to transportation infrastructure as it is a major pedestrian walkway adjacent to the community's commercial Main Street.
2. The project will benefit the community by properly reinforcing the sidewalk; it will stop the deterioration and potential failure of the glass panels, thereby creating a safe and accessible sidewalk for the public on an otherwise narrow, curving street. The community will benefit in terms of preserving a unique and historically significant feature in the public right of way. This glass sidewalk is one of very few left in the state.
3. Without funding to repair and preserve this unique sidewalk, the public will be endangered as the sidewalk further deteriorates, risking injury and possible collapse of the walkway into the basements below. In addition, the preservation of these unique features furthers Bisbee's Historic Preservation efforts. This project should be funded as it meets all the criteria as they relate to transportation infrastructure, has a significant community benefit, and preserves the historic nature of the community.

19. Approval of Authorized Official (Sponsor)


This project has the concurrence of the sponsoring agency, is consistent with the agency's plans and meets all of the basic criteria listed above, which are required by the state of Arizona's Transportation Enhancement Program.

Sponsor Representative (Type in name and title)	Mr. Stephen J. Pauken, City Manager
Signature of Rep	
Date Signed	8/7/09

State projects must be signed by the appropriate District Engineer.

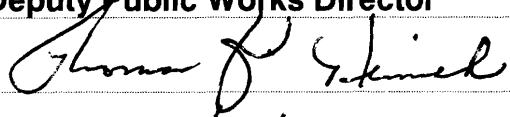
13. Applications must have Endorsement of Metropolitan Planning Organization/Council of Governments, unless a statewide application.

This project has been reviewed and endorsed by:

MPO or COG	SouthEastern Arizona Governments Organization (SEAGO)
Name and Title	Sharon Mitchell, Transportation Planner
Signature	
Date Signed	7/27/09

14. Cost Estimate review – include for State and Local projects.

The project cost estimate included in this application has been reviewed by:

Organization	City of Bisbee, Arizona
Name and Title	Thomas J. Klimek, P.E., R.L.S. Deputy Public Works Director
Signature	
Date Signed	8/6/09

**ARIZONA TRANSPORTATION ENHANCEMENT PROGRAM
ROUND 17 (2009) COST ESTIMATE
BISBEE GLASS SIDEWALK**

INSTRUCTIONS: List all items necessary to develop and construct your project. All applications MUST include scoping and environmental costs regardless if the application is for a state or local project. The applicant is responsible for verifying all costs and their accuracy. Construction cost overruns will be the responsibility of the sponsoring agency.

LOCAL PROJECTS: Please note that the Stage I Costs shown below are to be funded by the sponsoring agency and are not eligible for Federal Reimbursement.

STATE PROJECTS: To be eligible for State designation, the project must be on, adjacent to, or associated with the State Highway System, must be located on a minimum of 75% of ADOT right-of-way, and must have the signature and support of the appropriate ADOT District Engineer.

Enter values into GREEN CELLS.	The program will automatically calculate the Totals and Federal Share at 94.3%, but manual adjustments may be necessary in the <i>Summary of Federal and Local Funds</i> at the bottom of the form (see footnotes).
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ITEM DESCRIPTION	UNIT	QUAN.	UNIT PRICE	TOTAL	FEDERAL TE FUNDS @ 94.3%	SPONSOR MATCHING FUNDS @ 5.7%
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STAGE 1 – SCOPING (15% Preliminary Design)
All applications MUST include these costs regardless if the application is for a State or Local project. Unit prices MUST be a reasonable representation of the work to be performed.

SCOPING COSTS - All applications MUST include these costs. Costs cannot be applied toward the federal participation or local match.

SITE TOPOGRAPHIC SURVEY (2%-5% of constr. cost) <i>(Enter \$0 in Unit Price column if none required)</i>	LS	0.05	\$57,781.00	\$2,889.05	NO ENTRY	
SCOPING DOCUMENT - Scoping Letter, Project Assessment or DCR. (About 5% of construction cost) The cost MUST be a reasonable representation of the work to be performed.	LS	0.05	\$57,781.00	\$2,889.05		
ENVIRONMENTAL DETERMINATION including technical supporting documents. Anticipate \$20,000 to \$40,000. The cost MUST be a reasonable representation of the work to be performed.	LS	1.00		\$0.00		
HAZARDOUS MATERIALS ASSESSMENT Including heavy metals & asbestos (If an assessment is necessary, about \$1,500. Enter \$0 in Unit Price column if none required)	LS	1.00	\$1,500.00	\$1,500.00		
SUBTOTAL – PROJECT SCOPING COSTS				\$ 7,278		

STAGES II, III, IV - DESIGN
(30%, 60%, 95%-100% Design)
All applications MUST include these costs regardless if the application is for a State or Local project.

DESIGN COSTS
Note: The use of federal funds for design is optional and subject to authorization. Design should not go beyond Stage II (30%) without environmental approval.

PS&E's - Plans, Special Provisions, Cost Estimates & Schedules. Anticipate 18%-20% of constr. costs. The cost MUST be a reasonable representation of the work to be performed. Federal funds, if used, shall be refunded if project is not constructed.	LS	0.20	\$57,781.00	\$11,556.20	\$10,897.50	\$658.70
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ITEM DESCRIPTION	UNIT	QUAN.	UNIT PRICE	TOTAL	FEDERAL TE FUNDS @ 94.3%	SPONSOR MATCHING FUNDS @ 5.7%
GEOTECHNICAL INVESTIGATION (If a report is necessary, About 5% of construction cost) Includes testing, Geotech Report, Materials & Pavement Design Report) Enter \$0 in Unit Price column if none required.	LS	0		\$0.00	\$0.00	\$0.00
DRAINAGE REPORT (If a report is necessary, about 5% of construction cost) Enter \$0 in Unit Price column if none required)	LS	0		\$0.00	\$0.00	\$0.00
STORM WATER POLLUTION PREVENTION PLAN (Required if there is over 1 acre of total disturbance, about 1% of construction cost) Enter \$0 in Unit Price column if none required.	LS	0		\$0.00	\$0.00	\$0.00
SUBTOTAL – PROJECT DESIGN COSTS						
Federal Funds for design are calculated at 94.3% of the total design cost. If requesting less than 94.3% Federal Funds for design, enter new total or 0 in the Federal column.				\$ 11,556	\$10,897	\$659
STAGE V – CONSTRUCTION						
SITE ACQUISITION & HARDSCAPE CONSTRUCTION						
RIGHT-OF-WAY ACQUISITION (if necessary)	LS	0		\$0.00	\$0.00	\$0.00
INSTALLATION OF STORMWATER POLLUTION PREVENTION MEASURES (If over 1 acre of disturbance, about 5% of constr. costs) Enter \$0 in Unit Price column if area of disturbance is less than one acre.	LS	0		\$0.00	\$0.00	\$0.00
SITE PREPARATION (Clearing and grubbing, plant salvage)	LS	0		\$0.00	\$0.00	\$0.00
DEMOLITION						
Sawcut	LF	134.00	\$3.00	\$402.00	\$379.09	\$22.91
Remove Structures and Obstructions	LS	1.00	\$26,000.00	\$26,000.00	\$24,518.00	\$1,482.00
Remove Fencing	LF			\$0.00	\$0.00	\$0.00
Remove Structural Concrete				\$0.00	\$0.00	\$0.00
Remove Asphaltic Concrete Pavement	CY			\$0.00	\$0.00	\$0.00
Remove Concrete Sidewalks, Slabs		3.00	\$100.00	\$300.00	\$282.90	\$17.10
HAZARDOUS MATERIALS ABATEMENT (If applicable; include heavy metals & asbestos; about 5% of construction cost) Enter \$0 in Unit Price column if none required.	LS	0		\$0.00	\$0.00	\$0.00
UTILITY RELOCATION (If necessary) Only the cost of utilities needing relocation as a direct result of the enhancement project are eligible for federal reimbursement. Because of the costs involved, the undergrounding of overhead utilities is not eligible	LS	0		\$0.00	\$0.00	\$0.00
RETAINING WALL (Concrete; SF of face above the footing)	SF	80.00	\$28.50	\$2,280.00	\$2,150.04	\$129.96
EARTHWORK						
General Excavation				\$0.00	\$0.00	\$0.00
Drainage Excavation				\$0.00	\$0.00	\$0.00
Structural Excavation	CY			\$0.00	\$0.00	\$0.00
Structural Backfill				\$0.00	\$0.00	\$0.00
Borrow (In Place)				\$0.00	\$0.00	\$0.00
CURB & GUTTER	LF	40.00	\$10.00	\$400.00	\$377.20	\$22.80
AGGREGATE BASE	CY			\$0.00	\$0.00	\$0.00
PATHWAY OR SIDEWALK MATERIALS						
Concrete		52.00	\$10.00	\$520.00	\$490.36	\$29.64

CITY OF BISBEE, ARIZONA - MAIN STREET GLASS SIDEWALK APPLICATION

ITEM DESCRIPTION	UNIT	QUAN.	UNIT PRICE	TOTAL	FEDERAL TE FUNDS @ 94.3%	SPONSOR MATCHING FUNDS @ 5.7%
Colored Concrete	SF			\$0.00	\$0.00	\$0.00
Stamped Color Concrete				\$0.00	\$0.00	\$0.00
Precast Concrete Pavers				\$0.00	\$0.00	\$0.00
Asphaltic Concrete	Ton	5.00	\$110.00	\$550.00	\$518.65	\$31.35
Polymer or Resin Stabilized Surface	SF			\$0.00	\$0.00	\$0.00
CROSSWALK ENHANCEMENT						
Concrete Pavers	SF			\$0.00	\$0.00	\$0.00
Stamped Asphalt				\$0.00	\$0.00	\$0.00
Stamped Concrete				\$0.00	\$0.00	\$0.00
Concrete				\$0.00	\$0.00	\$0.00
Integral Color Concrete				\$0.00	\$0.00	\$0.00
PEDESTRIAN ADA RAMP	SF			\$0.00	\$0.00	\$0.00
CULVERT EXTENSIONS	LF			\$0.00	\$0.00	\$0.00
PEDESTRIAN LIGHTING (Includes conduit and trenching) Street lighting is not eligible for federal reimbursement.	Each			\$0.00	\$0.00	\$0.00
HANDRAIL						
Standard	LF			\$0.00	\$0.00	\$0.00
Decorative				\$0.00	\$0.00	\$0.00
SUBTOTAL - SITE ACQUISITION & HARDSCAPE CONSTRUCTION				\$ 30,452	\$28,716	\$1,736
LANDSCAPING & IRRIGATION ITEMS						
TREES (Above 15 gallon in size as required per local code or special design requirements)	Each			\$0.00	\$0.00	\$0.00
TREES (15 GALLON SIZE)	Each			\$0.00	\$0.00	\$0.00
TREES (5 GALLON SIZE)	Each			\$0.00	\$0.00	\$0.00
SHRUBS (5 GALLON SIZE)	Each			\$0.00	\$0.00	\$0.00
SHRUBS (1 GALLON SIZE)	Each			\$0.00	\$0.00	\$0.00
CACTUS (5 GALLON SIZE)	Each			\$0.00	\$0.00	\$0.00
MULCH						
Decomposed Granite	CY			\$0.00	\$0.00	\$0.00
Organic				\$0.00	\$0.00	\$0.00
TOPSOIL	CY			\$0.00	\$0.00	\$0.00
SEEDING	Acre			\$0.00	\$0.00	\$0.00
TURF SOD	SY			\$0.00	\$0.00	\$0.00
BOULDERS	Each			\$0.00	\$0.00	\$0.00
IRRIGATION SYSTEM						
Drip	SF			\$0.00	\$0.00	\$0.00
Turf				\$0.00	\$0.00	\$0.00
SLEEVING FOR IRRIGATION SYSTEM						
Directional Bore	LF			\$0.00	\$0.00	\$0.00
Cut and Patch				\$0.00	\$0.00	\$0.00
LANDSCAPE HEADER CURB	LF			\$0.00	\$0.00	\$0.00
LANDSCAPE ESTABLISHMENT (Typically about 4.5% of the cost of landscaping)	LS			\$0.00	\$0.00	\$0.00
SUBTOTAL - LANDSCAPING & IRRIGATION ITEMS				\$ -	\$0	\$0
SITE FURNISHINGS						
BENCHES	Each			\$0.00	\$0.00	\$0.00
SEATWALLS	LF			\$0.00	\$0.00	\$0.00
BIKE RACKS	Each			\$0.00	\$0.00	\$0.00
TRASH RECEPTACLES	Each			\$0.00	\$0.00	\$0.00
DRINKING FOUNTAINS	Each			\$0.00	\$0.00	\$0.00
SIGNAGE (Standard Traffic Control)	Each			\$0.00	\$0.00	\$0.00
TREE GRATES	Each			\$0.00	\$0.00	\$0.00
SUBTOTAL - SITE FURNISHINGS				\$ -	\$0	\$0

ITEM DESCRIPTION	UNIT	QUAN.	UNIT PRICE	TOTAL	FEDERAL TE FUNDS @ 94.3%	SPONSOR MATCHING FUNDS @ 5.7%
OTHER CONSTRUCTION ITEMS (List line items)						
10" X 5 3/4" I-BEAM	LF	40.00	\$55.00	\$2,200.00	\$2,074.60	\$125.40
12" X 6" BOX BEAM	LF	32.00	\$60.00	\$1,920.00	\$1,810.56	\$109.44
FABRICATED PANEL AND SUPPORT	EA	8.00	\$750.00	\$6,000.00	\$5,658.00	\$342.00
JOINT WATER SEAL	LS	1.00	\$200.00	\$200.00	\$188.60	\$11.40
Welds	LS	1.00	\$500.00	\$500.00	\$471.50	\$28.50
				\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
SUBTOTAL - OTHER CONSTRUCTION LINE ITEMS				\$ 10,820	\$10,203	\$617
MOBILIZATION AND ADMINISTRATION COSTS						
CONTRACTOR MOBILIZATION (Typically about 8% of construction cost)	LS	0.08	\$ 41,272	\$3,301.76	\$3,113.56	\$188.20
TRAFFIC CONTROL (0-8% of construction cost)	LS	0.08	\$ 41,272	\$3,301.76	\$3,113.56	\$188.20
CONSTRUCTION SURVEY & LAYOUT (Typically about 1% of constr. cost)	LS	0.01	\$ 41,272	\$412.72	\$389.19	\$23.53
CONSTRUCTION CONTINGENCIES (Typically about 5% of constr. cost)	LS	0.05	\$ 41,272	\$2,063.60	\$1,945.97	\$117.63
CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)	LS	0.18	\$ 41,272	\$7,428.96	\$7,005.51	\$423.45
SUBTOTAL – MOBILIZATION & ADMINISTRATION COSTS				\$ 16,509	\$15,567.80	\$941.00
TOTAL STAGE V COSTS (CONSTRUCTION) (Enter this amount in Box A below.)				\$ 57,781	\$54,487.29	\$3,293.51
ADOT REVIEW FEES (Cannot be applied to the federal participation or the local match. On local Certification Acceptance or Self-administration projects, change the amount to \$3,000)	LS	1.00	\$3,000.00	\$3,000.00	NO ENTRY	
TOTAL PROJECT COST (All subtotals + ADOT review fee)				\$ 79,615	NO ENTRY	
SUMMARY OF FEDERAL AND LOCAL FUNDS Caution: Follow the instructions in the footnotes carefully.						
TOTAL STAGE V COSTS (CONSTRUCTION) FROM THE ESTIMATE ABOVE, AND DESIGN COSTS IF REQUESTING FEDERAL FUNDS FOR DESIGN.					BOX A	\$ 69,337
Include design costs (Stages II thru IV) if federal funds are requested for design as shown under Design Costs in the federal column above.						
TOTAL FEDERAL FUNDS CAPPED @ 94.3% (.943 x amount shown in Box A above). Note: For local projects, the maximum federal funds that can be requested is \$500,000 (\$1,000,000 for state projects). If the amount automatically calculated by this program exceeds the maximum amount allowed for a state or local project, input the maximum allowed federal funds manually.					BOX B	\$ 65,385
TOTAL SPONSOR MATCHING FUNDS (.057 x cost shown in Box A above). Note: The maximum amount that should be shown on this line is \$30,223 for local projects (\$60,445 for state projects). If the amount automatically calculated by this program exceeds the appropriate amount for a state or local project, input the appropriate amount manually.					BOX C	\$ 3,952
TOTAL SPONSOR ADDITIONAL FUNDS (OVERMATCH). Enter the amount in Box A in excess, if any, of \$530,223 for local projects or \$1,060,445 for state projects.					BOX D	\$ 0
TOTAL SPONSOR FUNDS (Sum of Box C and Box D).					BOX E	\$ 3,952

RESOLUTION R-09-13

**A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF BISBEE,
COUNTY OF COCHISE, STATE OF ARIZONA, SUPPORTING AND AUTHORIZING
THE APPLICATION TO THE ARIZONA DEPARTMENT OF TRANSPORTATION
FOR AN AMOUNT NOT TO EXCEED \$78,400 TO FUND ENHANCEMENTS TO THE
REPAIR AND RECONSTRUCTION OF THE MAIN STREET GLASS SIDEWALK AT
THE BISBEE RESTORATION MUSEUM**

WHEREAS, the Arizona Transportation Enhancement Program has Transportation Enhancement Grant funding available for Provisions of Facilities for Pedestrians and Bicycles and Historic Preservation.

WHEREAS, the City of Bisbee has a project known as the Main Street Glass Sidewalk Improvements which falls within the scope of this grant funding program; and

WHEREAS, this project is necessary to upgrade the structural support of existing sidewalks located in the Historic District of Downtown Bisbee, Arizona. These sidewalks have a basement below and are supported by I-Beams and reinforced Concrete Box Beams which now are in need of repair.

WHEREAS, The City of Bisbee will provide a 5.7% match of the awarded funds, assure that the project will be ready for bidding within three years, commit to pay all cost overruns and reimburse ADOT/FHWA for all federal funds used, if the project is canceled by the City.

WHEREAS, the City of Bisbee is in need of funding as necessary to provide the planning, design, fabrication, and installation relating to the repair and reconstruction of curbs, sidewalks, and the glass panels fronting the businesses now being affected.

NOW, THEREFORE, BE IT RESOLVED that the City of Bisbee supports the application for available grant monies from the Arizona Transportation Enhancement Program Round 17, for Grant funding and other similar support, and the Mayor and City Manager, or their designees, are hereby authorized and directed to take all necessary and desirable action to obtain any such available grant funds.

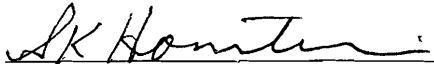
PASSED, APPROVED, AND ADOPTED by the City of Bisbee this 4th day of August, 2009.

APPROVED:



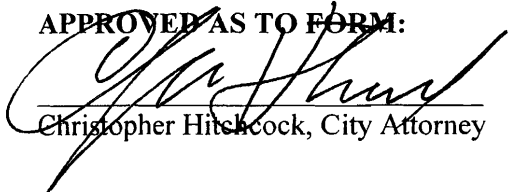
W. J. Porter, Mayor

ATTEST:

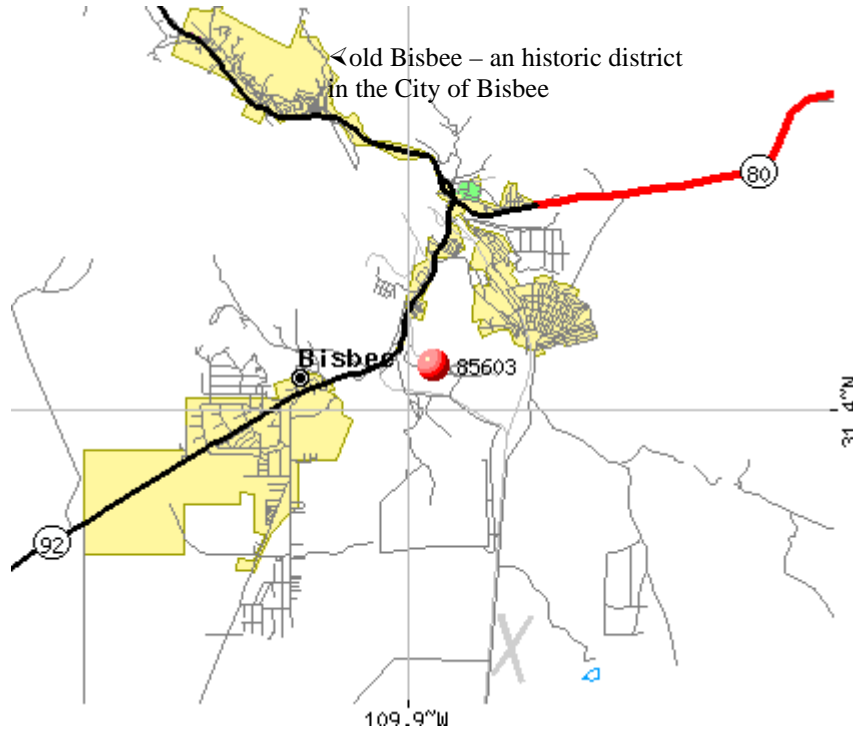


S.K. Honstein, City Clerk

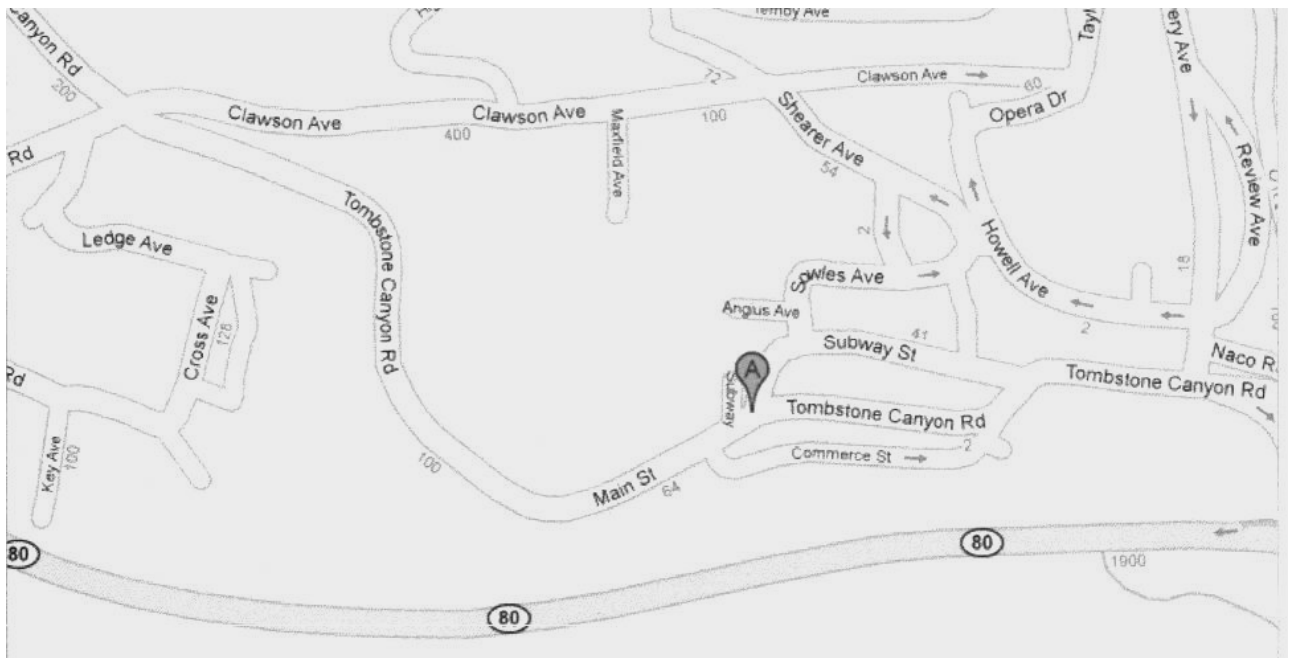
APPROVED AS TO FORM:



Christopher Hitchcock, City Attorney



City of Bisbee Corporate Limits ↑
City of Bisbee 37 Main Street (Tombstone Canyon) ↓





**Arizona Department of Transportation
Intermodal Transportation Division**

206 South Seventeenth Avenue Phoenix, Arizona 85007-3213

Janice K. Brewer
Governor

John S. Halikowski
Director

July 13, 2009

Floyd Roehrich Jr.
State Engineer

Tom Klimek
Deputy Public Works Director
City of Bisbee
118 Arizona Street
Bisbee, AZ 85603

Re: **Glass Sidewalk Restoration
Bisbee Main Street
Endorsement of Round 17 TE Project**

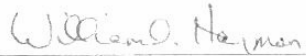
Dear Mr. Klimek:

I am pleased to offer this letter of endorsement for one of the most unique Enhancement project opportunities that I have seen in many years—the proposed restoration of the Main Street Glass Sidewalk. Reflective of the special setting that Bisbee occupies in the development of the west during the late 19th and early 20th Centuries, this project is a rare opportunity to preserve and restore a distinctive and historic transportation feature.

This sidewalk which is surfaced with glass block also serves as a skylight for a commercial area below. Used daily by citizens and tourists, time has taken its toll on this pedestrian feature that is now a century old. This proposal is for much more than routine maintenance; rather, this is indeed a reconstruction project with the intention to preserve the flavor of the Old West.

I am excited to support this proposal and wish you the best of luck in accomplishing its worthy goals. Please do not hesitate to contact me if you have any questions.

Sincerely,



William D. Harmon, PE
District Engineer

ADOT Safford District
2082 East Hwy 70
Safford, AZ 85546

(T) 928-432-4919
(F) 928-428-7523
(C) 928-651-1763
(e) bharmon@azdot.gov



Greater Bisbee Chamber of Commerce

July 15, 2009

Tom Klimek, Deputy Public Works Director
City of Bisbee
118 Arizona Street
Bisbee, AZ 85603

Re: Glass Sidewalk Restoration
Bisbee, Main Street
Endorsement of Round 17 TE Project

Dear Mr. Klimek;

The Bisbee Chamber of Commerce Board of Directors and Staff offer their enthusiastic support to the City of Bisbee's (Public Works Department) efforts with the proposed restoration of our Main Street Glass Sidewalks.

The City of Bisbee continuously takes the leadership role with insuring the preservation of our hundred plus year old community and by proposing to stabilize/restore our irreplaceable historic glass sidewalks; they again confirm how truly important it is to preserve our past.

We are delighted to support this unique proposal and wish them our best.

Sincerely,

Nancy Jacobsen
Executive Director

Board of Directors
2009

President
Clark Hay

Vice President
John Lambert

Secretary
David Greenberg

Treasurer
Rebecca Mayer

Members

Peter Gardner

John Everhart

Robert Willis

Virginia Martinez

Barbara Forse

City Liaison
Ken Budge

Staff
Nancy Jacobsen
Exec. Director

Bob Drowatzky
Office Assistant



Glass Sidewalk in front of Bisbee Restoration Museum



Glass Sidewalk view from basement below.
Note: I-Beam corrosion.



Another photo demonstrating the efforts to shore up the weakened beam supports.



View of the entrance into the Museum.
Note: Duct Tape to stop leaks into lower level.



View of an individual panel. In the 1960's people began chipping and taking the glass thinking it was amethyst.