



CITY OF ITHACA
PROJECT INFORMATION PAMPHLET
FOR
BIN 2210620
STEWART AVENUE OVER FALL CREEK
BRIDGE REHABILITATION PROJECT





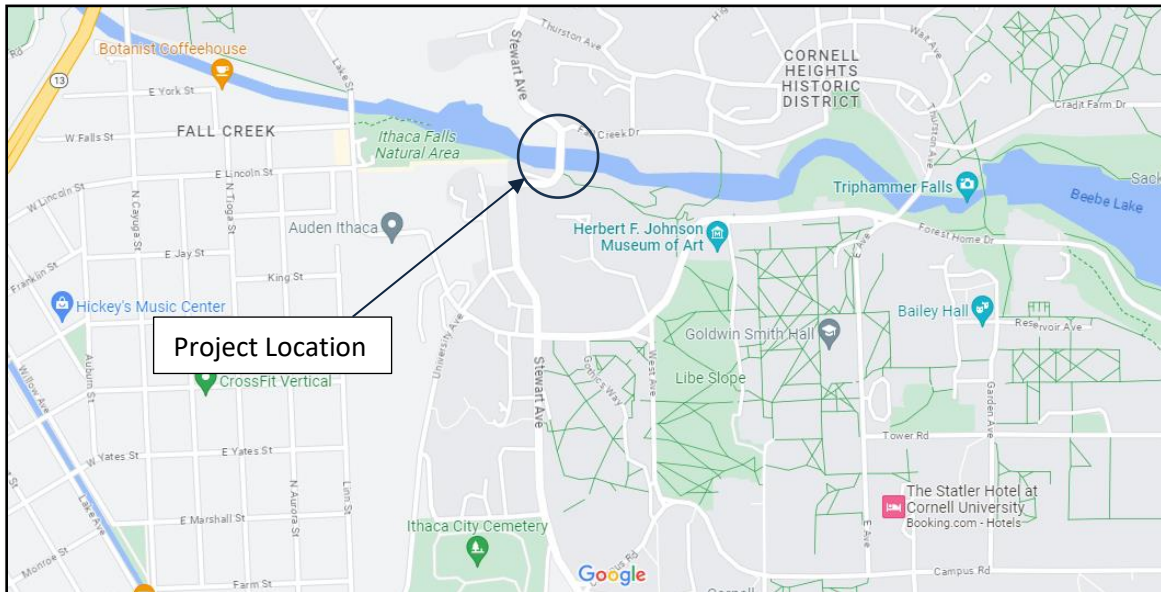
GENERAL:

The Stewart Avenue Bridge Rehabilitation project is in the preliminary design phase. The project is being federally funded through the National Highway Performance Program and requires adherence to NYSDOT Local Project Manual (LPM). Outreach to the public is required during the preliminary design phase of the project to present the proposed project and allow interested parties to comment on the proposed work. This pamphlet is being provided to present information regarding this proposed City of Ithaca bridge rehabilitation project.

The City welcomes questions and comments on the project information provided. Contact information for providing comments is provided within this pamphlet.

PROJECT LOCATION:

- A. ROUTE NAME: Stewart Avenue
- B. BIN (Bridge ID #): 2210620
- C. FEATURE CROSSED: Fall Creek
- D. CITY: Ithaca
- E. COUNTY: Tompkins
- F. PROJECT LENGTH: 450 feet (+/-)



LOCATION MAP – STEWART AVENUE OVER FALL CREEK

PROJECT NEED:

The need for this project is to improve the City’s infrastructure with the rehabilitation of the existing Stewart Avenue Bridge over Fall Creek. The Stewart Avenue bridge is a primary link across the Fall Creek gorge and a key connector at the eastern edge of Cornell University’s campus. The bridge has some structural deficiencies and the pedestrian facilities that are not in compliance with current ADA and PROWAG guidelines.

PROJECT PURPOSE:

The purpose of this project is to repair any structural deficiencies and extend the useful life of the existing structure in a cost-effective manner that minimizes future maintenance. The sidewalks will be widened to provide ADA compliant pedestrian facilities and the approaches adjusted to improve roadway geometry and sight lines where feasible.



PROJECT OBJECTIVES:

- (1) Repair structural deficiencies and extend useful service life of structure.
- (2) Widen sidewalks to meet ADA guidelines and address geometric deficiencies to improve traffic safety.
- (3) Provide a cost-effective design solution that minimizes life cycle cost maintenance and repair costs.

ALTERNATIVES EVALUATED:

Reasonable Alternatives

No Build (Null Alternative):

The Null Alternative would maintain the current structure on Stewart Avenue. No improvements would be made, and the structure would require increased maintenance, load posting and eventual closure to traffic. As a result, this alternative would not achieve the project objectives and has been removed from further consideration.

Bridge Rehabilitation:

The bridge rehabilitation will include addressing several identified structural deficiencies, including, but not limited to, deck joints, primary and secondary steel members, steel coatings, and bearings. A new lightweight deck system will be installed to improve ride quality, longevity, curbs and sidewalk widths. The bridge will be closed to vehicle traffic during construction with the use of an off-site detour but pedestrian and bicycle traffic will be maintained on-site. This alternative satisfies the project objectives listed above.

Alternatives Found to be Not Reasonable:

Bridge Replacement:

A replacement alternative would satisfy the project objectives of eliminating structural deficiencies and improving access but has been removed from further consideration due to not being cost effective and requiring a lengthy closure time to install a new structure.

PREFERRED ALTERNATIVE:

One reasonable build alternative has been identified that meets the project objectives. A final decision on the preferred alternative will not be made until after the environmental determination and evaluation of the comments on the draft design approval document and comments received from the public outreach process is completed.

PROJECT SCHEDULE:

PROJECT SCHEDULE	
Activity	Date Occurred/Tentative
Design Approval	Fall 2023
Construction Start	Spring 2025
Construction Complete	Fall 2025

PROJECT CONSTRUCTION COST:

- Estimated Construction Cost – Bridge Rehabilitation = \$4.34 M



EXISTING/PROPOSED BRIDGE DATA:

The existing and proposed structures are described below. The project proposes to repair and maintain the existing bridge while addressing and improving pedestrian facilities that are not in compliance with ADA and PROWAG guidelines.

STRUCTURE DATA		
DATA	EXISTING STRUCTURE	PROPOSED STRUCTURE
BIN	2210620	2210620
Feature Carried/Crossed	Stewart Avenue over Fall Creek	Stewart Avenue over Fall Creek
Type of Bridge	Steel arch truss with C.I.P. exodermic reinforced concrete deck slab on concrete abutments	Steel arch truss with C.I.P. lightweight deck system on concrete abutments
Number and Length of Spans	Single Span (190 ft)	Single Span (190 ft)
Lane Width(s)	11'-3" both lanes	11'-3" both lanes
Sidewalk(s)	3'-10" both sides	5'-0" both sides
Utilities Carried	4" Water 8" Water 12" Sewer Overhead Electric	4" Water 8" Water 12" Sewer Overhead Electric

ANTICIPATED RIGHT-OF-WAY REQUIREMENTS:

Right-of-way acquisitions may be required to facilitate a standard width sidewalk. Right-of-way acquisitions will follow the NYSDOT acquisition process.

PROPOSED WORK ZONE TRAFFIC CONTROL:

The bridge will be closed to vehicular traffic during construction. Vehicular traffic will utilize a signed off-site detour using Stewart Avenue, Thurston Avenue, and University Avenue. See proposed detour plan attached.

Staged construction will be proposed to allow pedestrians and bicyclists to utilize a portion of the bridge throughout the construction phase. Staged construction will be finalized during the detailed design phase.

ENVIRONMENTAL CLASSIFICATIONS:

NEPA Classification: Class II (Categorical Exclusion)

SEQRA Type: Type II

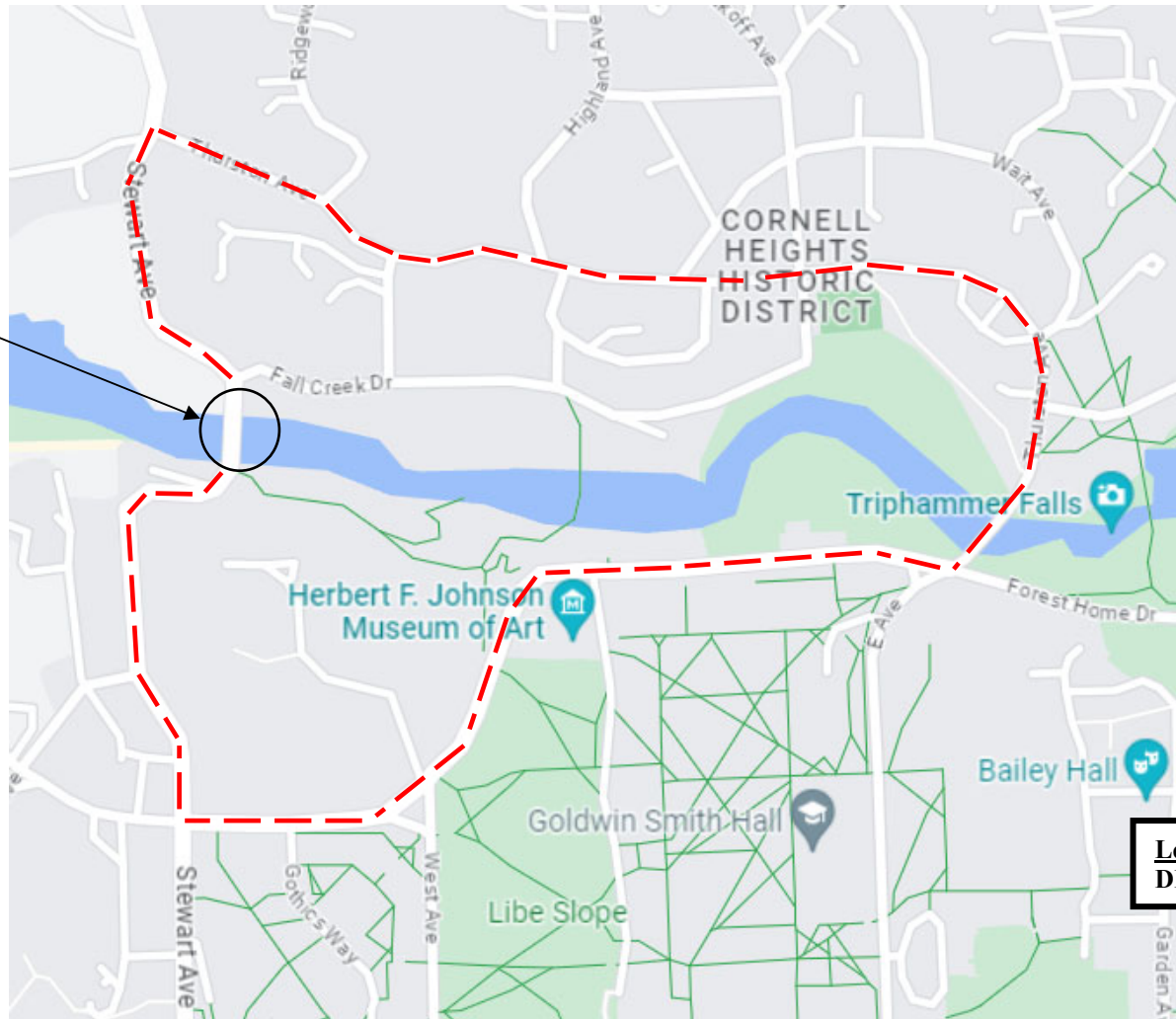
PERMIT COORDINATION:

- NYSDEC
- New York State Historic Preservation Officer (SHPO)

COMMENTS:

If you would like to comment on the project or have any questions about the project, please contact the City of Ithaca Engineering Department via email (see below):

City of Ithaca: Addisu Gebre
 Project Manager
AGebre@cityofithaca.org



PROJECT LOCATION
B.I.N. 2210620

Note:
Detour shown to be posted for vehicular traffic.

Legend:
DETOUR LENGTH: 1.57 miles

VEHICULAR DETOUR MAP
STEWART AVENUE OVER FALL CREEK BRIDGE REHABILITATION
B.I.N. 2210620
P.I.N. 3756.69

City of Ithaca
Tompkins County, NY


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