



# Addendum 1

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## Park Depot Bridge

The Park Depot Bridge, currently not in service, carries a former pedestrian trail pathway over a dry woodland depression and is located within the confines of Edgerton Park. Even though Edgerton Park is partially located in the Town of Hamden, the park is part of the City of New Haven's park system and was bequeathed to the City by Fredrick Brewster in 1965. The Edgerton Park was bought by Fredrick Brewster from the Eli Whitney family in 1906 and it appears that the Park Depot Bridge was built around 1909. Based on conversation with Ms. Margaret DeVane of the Edgerton Park Conservancy, the bridge was repaired in the 1970's and abandoned in the 1980's when vandals destroyed the bridge parapets. The Edgerton Park is currently listed in the National Register of Historic Places.

A site visit was scheduled by Dewberry on March 23, 2009 and our findings are reported herein. The site visit is not intended to substitute in place of a formal safety inspection performed in accordance with the National Bridge Inspection Standards (NBIS).

The timber deck bridge (approximately 10 foot wide) is supported by timber floor deck truss system and appears to be more recent in construction. There are no parapets or railings present on the bridge. The bridge approaches have been cordoned off from the dirt pathways by 8-foot high chain link fences to prevent entry onto the bridge. The bridge deck is supported by a 6-foot wide unreinforced concrete arch with an approximate span length of 65 feet. The fill between the deck and the arch is contained by stone masonry facing on both arch fascias. The arch intrados exhibits several random surface spalls, evidence of loose concrete and separation between grouted concrete type blocks. There are several areas with missing masonry facings on both the arch fascias.

The pier support walls at both ends of the arch exhibit random areas with missing concrete block facing. The U shaped wingwalls with stone masonry facing, which contain the roadway fill at both the approaches to bridge, appear to be in good condition. It is recommended that the 5' high timber picket fence present under the arch along both the fascias, to prevent people from walking under the bridge, be replaced with a taller fence system that is tied to the arch pier walls to completely cordon off the site underneath.

Since this bridge is not currently in service and does not carry any vehicular or pedestrian traffic, no safety inspections have been performed to our knowledge. If a safety inspection were to be performed today in accordance with the NBIS, the bridge would likely be classified in an overall "Poor" condition based on the condition of the concrete arch.



An individual summary report prepared for this bridge is included herein. The data collected from field visit to the bridge site including field sketches and photographs are attached as Appendix C.

The once majestic looking bridge in its current “cordoned off” condition with potential for loose and falling concrete presents an eye sore in this beautiful historic park. It is recommended that a feasibility study be performed to investigate potential rehabilitation alternatives to reincorporate this bridge in the current park landscape. Since the current bridge deck appears to be more recent in construction, the focus of rehabilitation alternatives would essentially involve concrete repairs to the arch and addition of safe parapets and or pedestrian railings.

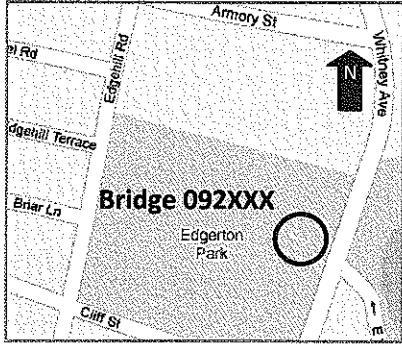
If rehabilitation efforts are not considered reasonable then it is suggested that the bridge be raised to eliminate the hazard and the negative visual aesthetic impact on the park setting.

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BIN 092XXX Park Depot Bridge

over Woodland Depression



1. Ownership Details

Ownership:  City  Orphan

Maintenance Responsibility:  Entire Bridge  Non-Structural Components

2. Bridge Description

Bridge Type: Concrete Deck Arch

Year of Construction: 1909 Not 100 Years (to be verified) Not

Year of Rehabilitation: Available Age: Available

3. Bridge Condition

a. Inspection Agency: City of New Haven

Inspection Frequency: Not Available Last Inspection Date: Not Available

b. Component Condition Rating

Deck: Not Available Bridge Approach Condition: NA

Superstructure: Not Available Channel: NA

Substructure: Not Available Deck Geometry: NA

Culverts: NA Under Clearance: NA

c. Load Rating

Bridge Rating: Not Available Tons (INV) Meets AASHTO Standards: Yes  No

Basis of Rating: Calculations  Judgment  Is Bridge Posted: Yes  No

**Overall Bridge Rating: Not Available.**

Bridge not in service & has not been inspected in recent history



**BIN 092XXX Park Depot Bridge** over **Woodland Depression**

**4. Bridge Improvements**

a. Maintenance Recommendations  
(By DPW)



i) Replace loose timber picket fence under the bridge at both fascias with an 8' high chain link fence tied to the arch pier walls in order to prevent accidental pedestrian entry and injury from loose concrete (see Photo 12).

Estimated Cost \$ 2000.00

b. Short Term Repair  
Recommendations  
(By Contractor)

i) None.

Estimated Cost \$ NA

c. Long Term Considerations

i) None.

Estimated Cost \$ NA

Funding Options NA

**5. Follow-up Required**

i) The bridge is not in service and is cordoned off at both approaches. Perform a feasibility study to determine rehabilitation alternatives to reincorporate this bridge in the historic Edgerton Park landscape.