

**PROJECT STATUS REPORT**  
**for the Community Preservation Committee**

Project Name: Civil War Soldiers' Monument Conservation and Preservation Project Project Number: 08-24

Date: May 8, 2025       Interim Status Report       Final Status Report\*

1. What percentage of the project has been completed? 50%

2. Describe work completed to date:

The existing plaque was removed. A new plaque was designed and installed. The lower courses, below the obelisk, were cleaned of stains and accretions.

3. What key project milestones have been reached?

A new plaque was designed and installed, and the lower part of the obelisk was cleaned.

4. Expenditure Report:

a. What is the date your project began or will begin spending CPC funds? Spring 2024

b. Attach a detailed Expenditure Report.

c. In a brief narrative, account for the amount of CPC funds expended to date:

The funds expended to date were for the design, creation, and installation of the new plaque, along with the cleaning and treatment of the lower part of the monument. Funds expended to date are: \$55,500.00. Additional grant funding of \$12,500.00 from the Massachusetts Historical Commission SHRAB (State Historical Records Advisory Board) was also utilized for this project.

5. Describe remaining work and projected timeline:

Additional work to be completed includes the cleaning and treatment of the rest of the monument.

6. Describe your outreach efforts.

On November 9th, 2024, there was a ceremony to unveil the new, updated plaque in Monument Square.

7. What is the expected project completion date? December 2026

Name of person who completed this form: Aaron Miklosko Date: May 8, 2025

Contact Information /Email Address: amiklosko@concordma.gov

\*For Final Status Reports, please include representative Before, During and After Photographs of your project, if applicable.

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# Invoice

DATE	INVOICE #
5/30/2024	11849

BILL TO
Concord Civil War Memorial Plaque Town of Concord Tish Hopkins Highways&Grounds Division 135 Keyes Road

DUE DATE	PROJECT
5/30/2024	

P.O. NO.	TERMS		
DESCRIPTION	QTY	RATE	AMOUNT
Phase One Completed: Proof for Plaque approved		17,000.00	17,000.00
			
		Total	\$17,000.00

FEIN: 04-3066451

Payments/Credits	\$0.00
Balance Due	\$17,000.00

P.O. 240117



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# Invoice

DATE	INVOICE#
11/4/2024	11907

BILL TO
Concord Civil War Memorial Plaque Town of Concord Tish Hopkins Highways&Grounds Division 135 Keyes Road

DUE DATE	PROJECT
11/4/2024	

P.O. NO.	TERMS		
DESCRIPTION	QTY	RATE	AMOUNT
Civil War Memorial Treatment per contract (100% complete)		51,000.00	51,000.00
		Total	\$51,000.00

FEIN: 04-3066451

Payments/Credits	\$0.00
Balance Due	\$51,000.00



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## RECORD OF TREATMENT

**Object:** Civil War Memorial

**Materials:** Bronze and Granite

**Prepared for:** Town of Concord Ma

### Overview

This project included the fabrication & installation of a new dedication plaque on the West elevation of Monument. Removal of the existing plaque. Re-patination and coating of the existing plaque on the East elevation. Cleaning of the courses (plaza/ die section) of the Monument.

### Treatment Performed

#### **Existing Plaque Removal**

The blind pins holding the plaque were removed by drilling the pin heads with a 1/2" inch drill bit.

Once the mounting pins were, the plaque was held with a small monument clamp and lifted with a chainfall.

The plaque was set on a hydraulic table and set on the ground.

The plaque was brought to a storage facility owned by the Town of Concord.

#### **Fabrication of New Plaque**

The details of the plaque (inscription lay-out) were provided by the town.

A pattern of the plaque made from plywood and plastic letters fabricated using a 3D printer.

The pattern was approved by the town's designated curator.

A sand mold was made from the pattern (Green Foundry)

A silicone bronze casting was made using the sand mold (Green Foundry)

The casting (new plaque) was patinated using a solution of Sodium Potash (Liver of Sulfur) in water.



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The plaque was coated with Incralac, an acrylic resin with benzotriazole with a corrosion inhibitor, using an HVLP Spray system.

### Installation of New Plaque

The plaque was lifted using the same techniques as for the removal of the original plaque

The plaque was mounted to the granite using six (6) ½ inch x 5" (long) bronze machine bolts (countersunk in the bronze). The bolts were set in anchoring mortar.

### Treatment of Existing Plaque

The original west side plaque was cleaned of accretions and loose powdery corrosion products using a pressure washer and/or silicon carbide hand pads.

The surface was restored to the original color pallet of a brown background and highlighted (bright) letters. This was done using traditional patination techniques; application of liver of sulfur to a surface heated with a torch for the background. The lettering was lightly polished using abrasive pads mechanically by hand and will a rotary tool.

The plaque was coated with Incralac, an acrylic resin with benzotriazole with a corrosion inhibitor, using an HVLP Spray system. Once the coating had cured a layer of paste wax was applied to the surface. The wax should be maintained on a yearly basis as it will help protect the applied patina and coatings.

### Stone Cleaning

The lower courses (below the obelisk) of the Monument were cleaned of stains and accretions using Safe and Easy Stone Cleaner (Dumond pH 8). The cleaner was applied using a pump sprayer, agitated and rinsed using a low psi pressure washer.

### Link to Treatment Images

[Concord Ma Civil War Memorial Treatment Images 2024](#)

JC/ GY/ MM/ MM/ RC 2024
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