

**Association for Preservation Technology – National Trust Joint Conference
2017, Ottawa, Ontario, Canada.**

Capitalizing on Heritage – Savoir-Faire: Techniques & Technology

Track 3: Intervening in Historic Places

Session CS3.2 Preserving Public Art

Friday, October 13, 2017

10:30 am – 12:15 pm

Session Chair: Pat Buchik

Presentation Outlines

Presenter #1: Lucy Midelfort, University of Pennsylvania, APT Student Scholar

Title of Presentation: An Examination and Condition Assessment of Robert Chanler's Pool Grotto Ceiling Mural at Vizcaya, Miami.

Presentation Outline

1. Introduction to the Project:
 - a) History of the Artist and his Techniques, the Patron, and the Mural
2. The State of the Mural:
 - a) Prior Treatments
 - b) Environment
 - c) Prior Investigations
3. Methodology:
 - a) Summary of Findings of Prior Investigations, Hand Recording of Conditions, Digitization, Salts Testing, Summary and Characterization of Conditions
4. Conditions Found:
 - a) Losses, Loose or Detached Plaster, Surface Deterioration, Biological Activity, Repairs and Restorations, Evidence of Original Craftsmanship
5. Analysis:
 - a) Overall Conditions & Greatest Threats
 - b) Wall Paintings in Marine Environments
6. Conclusions:
 - a) Alternative Interpretation Methods
 - b) Recommendations for Further Research

Presenter #2: Beata Sasinska, Conservator, EverGreene Architectural Arts

Title of Presentation: Keeping the Berlin Wall from Falling: Conservation Challenges at the United Nation's Berlin Wall

Presentation Outline:

Introduction

Project Background

Brief Overview of Wall Section History

Significance of Section

Within History of Berlin Wall

As United Nations Monument

Background of Project

Factors that Contributed to Conditions

Storms

Waterfront Location

Exposed

Poor Drainage

Project Purpose and Scope

Who

What

Why

Emergency Stabilization

Contemplating Moving Monument

Materials

Incompatible Materials

Concrete and Rebar

Layers of Paint

Conditions

Concrete Conditions

Paint Conditions

Interrelation Between Conditions

Challenges

Literature Review

Project Circumstances

Outdoor Location

Phase 1: Paint Consolidation

Considerations and Challenges

Multiple Types of Paint

Solubility

Adhesion

Treatment Compatibility

Testing

Treatment

Phase II: Concrete

Considerations and Challenges

Exposed Rebar

Spalls

Biological Growth

Biological Growth Removal

Different Growths Require Different Product

Paint Solubility Issues with Choosing Biogrowth Remover

Rebar Corrosion & Concrete Consolidation

Testing and Treatment

Stable Oxide Layer

Alkalinizing and Consolidating Concrete

Concrete Spall Repair

Testing and Treatment

Micro-Injection Grout

Temporary Shoring

Conclusion

Results

Lessons

Recommendations and Further Research

**Presenter #3: John Ward, Preservation Development Advisor, Canadian
Conservation Institute**

**Title of Presentation: To store or to display: Planning the Interim Relocation of
Commemorative Monuments on Parliament Hill, Ottawa, for the duration of a
decade long rehabilitation.**

Prepared by: John Ward

Co-Author:

- Paul Marcon, Conservation Engineer, Canadian Conservation Institute

(Protection: Protecting heritage fabric during construction through temporary removals or installation of environmentally controlled protective enclosures)

Preliminary Outline

- 1) Initial request by PPB-PSPC for CCI assistance with dismantling two Parliament Hill monuments, Borden and Diefenbaker, and to put them in storage for a period of up to 10 years to facilitate work to the Parliament Hill West Block;
- 2) CCI counter proposal to investigate alternative sites on Parliament Hill where the monuments could be relocated for an “Interim” period (ie. Up to 10 years) where they could still be viewed by the public at Parliament Hill.
- 3) Preparation of a Parliament Hill Monuments Interim Relocation Options Analysis report
- 4) Decision making process by PSPC and the Parliamentary Partners (House of Commons and Senate of Canada)
- 5) Site visit and review by Federal Heritage Buildings Review Office and the National Capital Commission
- 6) Project implementation
 - a. Disassembling monument
 - b. Staging, repairs
 - c. Finalizing of exact interim location of the monuments
 - d. Forming of new concrete bases
 - e. Reconstructing masonry base and bronze statues
- 7) Project is successful;
- 8) Process continues for conserving monuments on Parliament Hill:
 - a. Protection in-situ (Pearson, Queen Victoria – protected in-situ),
 - b. Interim relocations: Cartier, Mackenzie, Brown
 - c. EB monuments interim relocation options:
- 9) Concluding points.

**Presenter #4: Susan Macdonald BSc(Arch) B Arch, MA (Conservation Studies)
ICCROM, RIBA, PIA. Head of Buildings and Sites, The Getty Conservation
Institute.**

**Title of Presentation: Protecting and Preserving América Tropical, a mural by
David Alfaro Siqueiros in downtown Los Angeles**

Presentation Outline

Susan Macdonald, Head Buildings and Sites, The Getty Conservation Institute

Leslie Rainer, Senior Project Specialist, The Getty Conservation Institute

I Introduction

- History of mural
- Rediscovery of mural and early preservation efforts 1960s-1980s
- Overview of GCI involvement since 1988
- Public-private partnership between GCI and El Pueblo de Los Angeles (City of LA)

**II The GCI-City of Los Angeles comprehensive project to protect, conserve, provide access to
and interpret mural**

- Conservation of mural
 - Preliminary investigations
 - Environmental monitoring
 - Sun study
 - Scientific study of pigments and binders
 - Documentation
 - Photographic documentation (film and digital)
 - Graphic documentation using AutoCAD
 - Written reports
 - Conservation treatment
 - Removal of whitewash
 - Removal of tar and tar stains

Plaster stabilization / reattachment with injection grouts

Minimal aesthetic reintegration – criteria, methods and materials

- Protection of mural
 - Design criteria
 - Design changes
 - Final design solution and materials – canopy and rolldown screen
 - Construction of canopy – challenges and solutions
 - Installation of rolldown screen
 - Performance of canopy
 - Performance of rolldown screen

- Viewer Access
 - Viewing platform – design criteria
 - Viewing platform – performance

- Interpretation of mural – ATIC
 - Design criteria of ATIC
 - Content
 - Performance of components

III Conclusions and Lessons Learned

Conservation of mural

Preservation issues

Protection of mural

Public-private partnership

Long-term care of mural

Presenter #5: Kelly Caldwell, Conservator, Conservation Solutions ULC

Title of Presentation: The 180 Wellington Building Mosaic Conservation

Kelly Caldwell, Joseph Sembrat, Mark Rabinowitz, James Bourdeau, Wendy Baker, Eric Stein*

Presentation Outline

1. Project Introduction
 - a. Building Background
 - i. Architects/Mosaic Artists
 - b. Rehabilitation Project
 - i. Architects/Construction Management/Consultant Teams
 - c. Project Goals
 - i. Stabilization, Cleaning, Repairs, Replacements
2. Mosaic Background
 - a. Monitoring Program
 - i. Vibration, Temperature/RH, Movement, Structure and Stability
 - b. CCI Research
 - i. Salt Analysis, Mortar Analysis
 - c. Initial Stabilization and Assessments
 - i. Photogrammetry
 - ii. Conservation Assessments
3. Treatment Plan
 - a. CSI Assessment
 - i. Documentation
 - ii. Sounding
 - b. Methods and Materials
 - i. Material Sourcing
 - ii. Mock-ups
 - c. Treatment Approach
 - i. Cleaning
 - ii. Delamination/Voids
 - iii. Replacement Tesserae
 - iv. Grouting and Pigmentation
 - v. Crack Repair
4. Project Completion

- a. Results and Recommendations
 - b. Lighting Plan
 - c. Building Controls
5. Project Summary and Conclusions

END OF PROJECT OUTLINES

