Welcome!
The meeting will begin momentarily.

How to Use Zoom Webinar:

- Zoom webinar will not permit access to your camera.
- Please submit comments/questions in writing through the Q&A function.
- Written comments/questions can be submitted at any time and will be answered or discussed at designated points during the meeting by the panelists.
- Click "Raise Hand" if you would like to speak your comments/questions at designated points with the panelists. A moderator will grant access to your device’s microphone.
PANEL OF SPEAKERS

MODERATOR
Carly Bond, Historic Preservation Specialist

PRESENTERS / PANELISTS
Brenda Sanchez, FAIA, Sr. Design Manager
Christopher Lethbridge, Architect/Program Manager
Matthew Chalifoux, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC
Anthony Bochicchio, AIA, Project Manager, EYP-Loring, LLC
J. Michael Galway, PE, Lead Mechanical Engineer, EYP-Loring, LLC
AGENDA

• Updates
• Review Phase 2 Items
  • Roof Mechanical Elements
    • South Tower - Louvers
    • South Tower Hyphen - Elevator Overrun
    • North Entry Hyphen - Louvered Penthouses
    • West Range - Louvered Penthouses
  • Lightning Protection
  • Emergency Generator
  • Exterior Masonry Restoration- Alternative Sandstone
• Next Steps

How to Use Zoom Webinar:
• Zoom webinar will not permit access to your camera.
• Please submit comments/questions in writing through the Q&A function.
• Written comments/questions can be submitted at any time and will be answered or discussed at designated points during the meeting by the panelists.
• Click “Raise Hand” if you would like to speak your comments/questions at designated points with the panelists. A moderator will grant access to your device’s microphone.
## RoHC Revitalize Castle – Project Schedule

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation of Vibration Monitors</td>
<td>October 2022</td>
</tr>
<tr>
<td>Castle Closed to the Public</td>
<td>February 1, 2023</td>
</tr>
<tr>
<td>Programmatic Agreement Executed</td>
<td>April 2023 (Expected)</td>
</tr>
<tr>
<td>Castle Construction Start</td>
<td>May 2023</td>
</tr>
<tr>
<td>Phase 2 Consultation Continues</td>
<td>2023</td>
</tr>
<tr>
<td>Portions of Castle Reopen for 2026 Activities</td>
<td>Spring 2026</td>
</tr>
<tr>
<td>Castle Façade and Public Access Area Construction Resumes</td>
<td>Fall 2026</td>
</tr>
</tbody>
</table>
# Programmatic Agreement - Phased Section 106 Consultation

Programmatic Agreement oversees both Phases
- Phase 1 construction will result in adverse effects on the Castle and the National Mall Historic District
- Phase 2 has potential to result in adverse effects

## Phase 1 (Baseline Project)
- Introduction of New Areaways and Window Wells (Locations and Dimensions)
- Installation of Seismic Control Joint Around the Castle Perimeter (Location and Width)
- Extent of Excavation Adjacent to Castle - SIB Extension (B1 Level), B2 Level Cistern
- Excavation Beneath the Castle - Base Isolation, Lowering of the Basement Level, Mechanical Distribution Level, Future Quadrangle Building B2 Connection
- Creation of Alternate Pedestrian Routes for Circulation Around the Castle during construction
- Cumulative Effects of Phase 1 Activities

## Phase 2 (Everything Else! - Abridged on Slide)
- Landscape Planting Plan – Perimeter Security
- Roof Modifications
- Emergency Generator
- Alterations at the North and South Entrances to Improve Accessibility
- Installation of New East Wing 4<sup>th</sup> Floor Egress
- Replacement and Restoration of Windows
- Exterior Masonry Restoration
- New Basement Windows and Egress Doors
- Interior Effects (Windows, South Tower Elevators, New Basement Openings, Lowering Basement Floor)
- Cumulative Effects on Castle and National Mall Historic District
Programmatic Agreement

Phase 2 Consultation

- Consulting Parties meetings will continue held the 4th Wednesday of each month
- No changes to communication, involvement of the public and Consulting Parties
- Project webpage maintained and in-use
- Site visits for sample and mock-up reviews
- Criteria of adverse effect – Development of alternatives that avoid or minimize adverse effects
- Assessment of Effects on Historic Resources report will be revised in consultation – Updates to preliminary effect determination for Phase 2
ROOF MECHANICAL ELEMENTS
SMITHSONIAN INSTITUTION BUILDING (SIB)

SIB ROOF PLAN | EXISTING

EXISTING CHIMNEYS, ROOF VENTS

EXISTING LOUVERED PENTHOUSE (TO BE ENLARGED)

EXISTING MECHANICAL EQUIPMENT (TO BE ENLARGED)

EXISTING LOUVERED PENTHOUSE (TO BE REMOVED)

EXISTING ELEVATOR OVERRUN (TO BE REMOVED)

EXISTING ELEVATOR OVERRUN (TO BE REMOVED)

EXISTING LOUVERED PENTHOUSE (TO BE REMOVED)

EXISTING LOUVERED PENTHOUSE & AHU (TO BE REMOVED)
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | IN-WALL LOUVERS
NORTH ELEVATION

PARTIAL PLAN

EXISTING CONDITION

SMITHSONIAN REVITALIZATION OF THE HISTORIC CORE 11
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | IN-WALL LOUVERS

VISUALIZATION

A. LOUVER SECTION DETAIL

B. PARTIAL AXONOMETRIC VIEW – LOOKING SW (WALL LOUVERS)
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | IN-WALL LOUVERS
SECTION

PARTIAL PLAN

SOUTH TOWER

PRESIDENT’S GREENROOM

REGENT’S ROOM

INACCESSIBLE

SOUTH ENTRY
(HISTORICALLY CHILDREN’S ROOM)

SOUTH TOWER
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | IN-WALL LOUVERS
LEVEL 5 PLAN

EXISTING CONDITION

PROPOSED CONDITION

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (HIP ROOF)
ROOF PLAN

FEATURES

- FINAL STOP FOR ELEVATORS IN THE SOUTH TOWER IS FOUR FEET ABOVE LEVEL 4 IN THE MAIN BUILDING.

- ELEVATOR OVERRUNS ARE AS SMALL AS POSSIBLE.

- VERTICAL CIRCULATION IS CLEAR FOR VISITORS WITH ALL ELEVATORS SERVING ALL OCCUPIED FLOORS
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (HIP ROOF)
EAST ELEVATION

PARTIAL PLAN

SOUTH TOWER

EAST ELEVATION (AIR LOUVERS THROUGH SOUTH TOWER WALL)
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (HIP ROOF)
COPPER FINISH

PARTIAL PLAN

EXISTING NORTH ENTRY HYPHEN DORMER - COPPER

PARTIAL AXONOMETRIC VIEW – LOOKING SW (COPPER ROOF ELEVATOR OVERRUN)

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (HIP ROOF)
SLATE FINISH

PARTIAL PLAN

EXISTING EAST WING DORMER - SLATE

PARTIAL AXONOMETRIC VIEW – LOOKING SW (SLATE ROOF ELEVATOR OVERRUN)

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (HIP ROOF)
PERSPECTIVE FROM GROUND

ELEVATOR OVERRUN – COPPER ROOF

ELEVATOR OVERRUN – SLATE ROOF
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (HIP ROOF)
PERSPECTIVE FROM GROUND

PARTIAL PLAN

EXISTING VIEW FROM GRADE – LOOKING NW

PROPOSED VIEW FROM GRADE – LOOKING NW
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (HIP ROOF)
PERSPECTIVE FROM GROUND

EXISTING VIEW FROM GRADE – LOOKING NE

PROPOSED VIEW FROM GRADE – LOOKING NE
SMITHSONIAN INSTITUTION BUILDING (SIB)

FEATURES

- FINAL STOP FOR ELEVATORS IN THE SOUTH TOWER IS FOUR FEET ABOVE LEVEL 4 IN THE MAIN BUILDING.

- ELEVATOR OVERRUNS ARE AS SMALL AS POSSIBLE.

- VERTICAL CIRCULATION IS CLEAR FOR VISITORS WITH ALL ELEVATORS SERVING ALL OCCUPIED FLOORS.
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (FLAT ROOF)
SLATE FINISH

PARTIAL PLAN

EXISTING EAST WING DORMER - SLATE

PARTIAL AXONOMETRIC VIEW – LOOKING SW (SLATE ROOF ELEVATOR OVERRUN)
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER | ELEVATOR OVERRUN (FLAT ROOF)
PERSPECTIVE FROM GROUND

ELEVATOR OVERRUN – SLATE ROOF
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYphen | EXISTING PENTHouses

ROOF PLAN

EXISTING - ROOF PLAN

PARTIAL PLAN

EXISTING – VIEW FROM ROOF

7’-3”

8’-6”
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES (FLAT ROOF)
ROOF PLAN + SOUTH ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES (FLAT ROOF)
EAST ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPERHEN | LOUVERED PENTHOUSES (FLAT ROOF)
VISUALIZATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES (FLAT ROOF)
PERSPECTIVE FROM PATH
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES (HIP ROOF)

EAST ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES (HIP ROOF)
VISUALIZATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYphen | LOUVERED PENTHOUSES (HIP ROOF)
PERSPECTIVE FROM PATH
SMITHSONIAN INSTITUTION BUILDING (SIB)

WEST RANGE | LOUVERED PENTHOUSES
EXISTING CONDITION

A. EXISTING CONDITION

B. EXISTING CONDITION

- Mushroom ventilator to be removed
SMITHSONIAN INSTITUTION BUILDING (SIB)

WEST RANGE | PROPOSED LOUVERED PENTHOUSES
ROOF PLAN + NORTH ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

WEST RANGE | PROPOSED LOUVERED PENTHOUSES
EAST SECTION
SMITHSONIAN INSTITUTION BUILDING (SIB)

WEST RANGE | PROPOSED LOUVERED PENTHOUSES
VISUALIZATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

WEST RANGE | PROPOSED LOUVERED PENTHOUSES
PERSPECTIVE FROM STREET

A. EXISTING CONDITION

Smithsonian Institution

B. PROPOSED CONDITION
Questions or Comments

MODERATOR
Carly Bond, Historic Preservation Specialist

PRESENTERS / PANELISTS
Brenda Sanchez, FAIA, Sr. Design Manager
Christopher Lethbridge, Architect/Program Manager,
Matthew Chalifoux, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC
Anthony Bochicchio, AIA, Project Manager, EYP-Loring, LLC
J. Michael Galway, PE, Lead Mechanical Engineer, EYP-Loring, LLC
LIGHTNING PROTECTION
SMITHSONIAN INSTITUTION BUILDING (SIB)

LIGHTNING PROTECTION ELEMENTS

ROOF PLAN
SMITHSONIAN INSTITUTION BUILDING (SIB)

LIGHTNING PROTECTION ELEMENTS

DETAILS

MECHANICALLY FASTENED CABLE HOLDER

ADHESIVE CABLE HOLDER

AIR TERMINAL MOUNTING
SMITHSONIAN INSTITUTION BUILDING (SIB)

LIGHTNING PROTECTION ELEMENTS

VISUALIZATIONS
SMITHSONIAN INSTITUTION BUILDING (SIB)

EXAMPLE OF LIGHTNING PROTECTION

VIEW FROM GRADE
EMERGENCY GENERATOR
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTHEAST AREAWAY | EXISTING CONDITION

VIEW OF EXISTING MECHANICAL AREAWAY

EXISTING AREAWAY
EXISTING APRON

EXISTING SOUTH AREAWAY PLAN

SMITHSONIAN REVITALIZATION OF THE HISTORIC CORE  47
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTHEAST AREAWAYS | DESIGN STUDIES

SOUTHEAST AREAWAYS
DIESEL GENERATOR OPTION
SMITHSONIAN INSTITUTION BUILDING (SIB)

DIESEL GENERATOR - OPTION 1 (36” HIGH BELLY TANK)

FEATURES
- 36” HIGH BELLY TANK
- 75dBA @ 7 m (23’) SOUND ENCLOSURE
- AMPLE CLEARANCE AROUND EQUIPMENT
- 2000 GALLONS OF DIESEL MUST BE TREATED EVERY 3 YEARS
- PLATFORM REQUIRED FOR GENERATOR ACCESS
SMITHSONIAN INSTITUTION BUILDING (SIB)

DIESEL GENERATOR - OPTION 1 (36” HIGH BELLY TANK)

OPTION 1: BASE DESIGN
- 36” HIGH BELLY TANK
- 75dBA @ 7 m (23’) SOUND ENCLOSURE
GAS GENERATOR OPTION
SMITHSONIAN INSTITUTION BUILDING (SIB)

GAS GENERATOR – OPTION 1 (2x 300kW)

FEATURES:
• 76 dBA @ 7 m (23’) SOUND ENCLOSURE
• NO GAS AVAILABLE ON SITE, GAS SERVICE TO BE PROVIDED FROM INDEPENDENCE AVE
• NO DIESEL FUEL TO MAINTAIN
• LOSS OF ONE GENERATOR STILL ALLOWS LIFE SAFETY AND LEGALLY REQUIRED LOADS TO RUN
SMITHSONIAN INSTITUTION BUILDING (SIB)

GAS GENERATOR – OPTION 1 (2x 300kW)

OPTION 1:
• NO BELLY TANK, NO CATWALK
• 76dBA @ 7 m (23’) SOUND ENCLOSURE
• DROPPED SLAB NOT REQUIRED
EXTERIOR MASONRY RESTORATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

EXTERIOR MASONRY RESTORATION
VISIT TO GARBER STORAGE FACILITY – SANDSTONE STOCKPILE
FEBRUARY 10, 2023
SMITHSONIAN INSTITUTION BUILDING (SIB)

EXTERIOR MASONRY RESTORATION
ON-SITE COMPARISON OF HISTORIC STONE & ALTERNATIVE STONES
FEBRUARY 10, 2023

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

EXTERIOR MASONRY RESTORATION
ON-SITE COMPARISON OF HISTORIC STONE & ALTERNATIVE STONES
FEBRUARY 10, 2023

[Images of stone samples labeled "LOCHSLEY" and "ST. BEES"]]
SMITHSONIAN INSTITUTION BUILDING (SIB)

EXTERIOR MASONRY RESTORATION
ON-SITE COMPARISON OF HISTORIC STONE & ALTERNATIVE STONES
FEBRUARY 10, 2023
# Upcoming Section 106 Consultation Meetings

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Date</th>
<th>Meeting Content *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consulting Parties Meeting #11</td>
<td>March 22, 2023</td>
<td>• Seismic Control Joint Finishes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• South Tower Elevator Interior Effects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Landscape</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Basement Windows and Egress Doors (and Interior Effects)</td>
</tr>
<tr>
<td>Consulting Parties Meeting #12</td>
<td>April 12 OR April 19, 2023 (Separate invitation will be sent via email)</td>
<td>Site Visit at the Castle to review:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Sandstone alternates</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Seismic Control Joint Finishes</td>
</tr>
<tr>
<td>Consulting Parties Meeting #13</td>
<td>April 26, 2023</td>
<td>• Finishes and Railings for Areaways and Window Wells</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Lighting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• TBD</td>
</tr>
<tr>
<td></td>
<td>May 24, 2023</td>
<td>• Windows (and Interior Effects)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• TBD</td>
</tr>
</tbody>
</table>

**Phase 2 Section 106 Consultation Continues through 2023**

*Assessment of Effects on Historic Resources Report will be revised through consultation for Phase 2 actions*

* Subject to Change
RoHC Revitalize Castle – Next Steps

- Phase 1 Final Submission approved by the Commission of Fine Arts on February 16, 2023
- Phase 1 Final Submission reviewed by the National Capital Planning Commission on April 6, 2023
- Consulting Parties will be notified when the PA is final and executed
- Consultation on this project isn’t going to stop. Please stay with us for Phase 2.
- Thank for your support and assistance with this critical project!

- Comments are welcoming in writing anytime to: BondC@si.edu
- Contact Carly with questions or any trouble with the recurring Zoom Webinar.

Please visit the project webpage:  
https://www.sifacilities.si.edu/historic-core
Questions or Comments

MODERATOR
Carly Bond, Historic Preservation Specialist

PRESENTERS / PANELISTS
Brenda Sanchez, FAIA, Sr. Design Manager
Christopher Lethbridge, Architect/Program Manager,
Matthew Chalifoux, FAIA, Sr. Historic Preservation Architect, EYP-
Loring, LLC
Anthony Bochicchio, AIA, Project Manager, EYP-Loring, LLC
J. Michael Galway, PE, Lead Mechanical Engineer, EYP-Loring, LLC