SMITHSONIAN LESSONS LEARNED PROGRAM
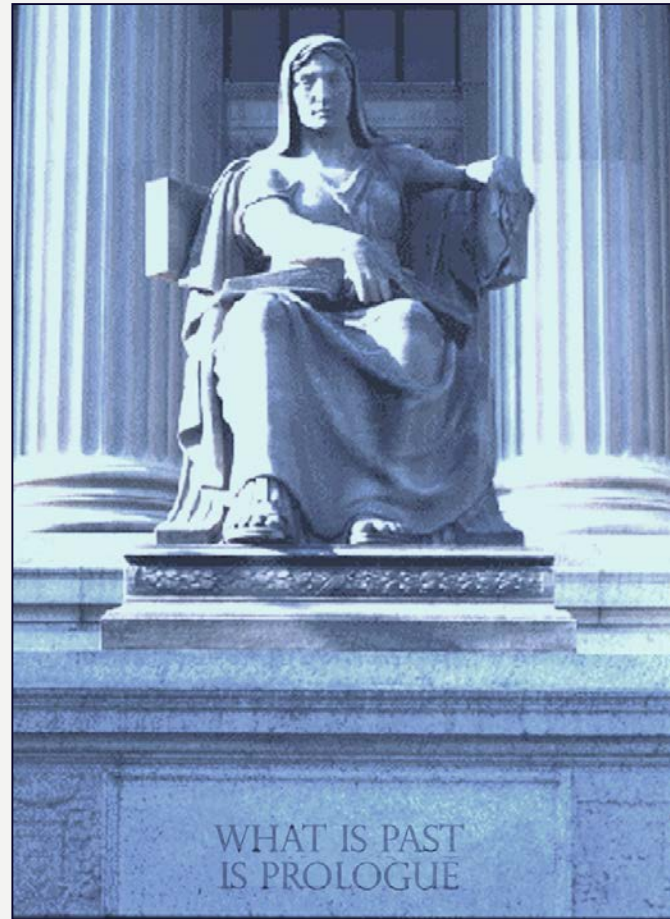
SI-NSF LARGE FACILITIES WORKSHOP

MAY 25, 2016

LESSONS OF HISTORY

"What is
past is
prologue."

"Those who do not learn from history are doomed to repeat it."

- Santayana

CAN YOU AFFORD **<u>NOT</u>** TO LEARN FROM PAST EXPERIENCE?

"Insanity is doing the same thing over and over and expecting different results."

- Ben Franklin

SMITHSONIAN LESSONS LEARNED PROGRAM AGENDA

- Program Evolution

- Lessons Learned Process

- Lessons

- Comments/Questions

SMITHSONIAN LESSONS LEARNED PROGRAM
PROGRAM EVOLUTION

- CII – 2007 Research Team Co-Chair

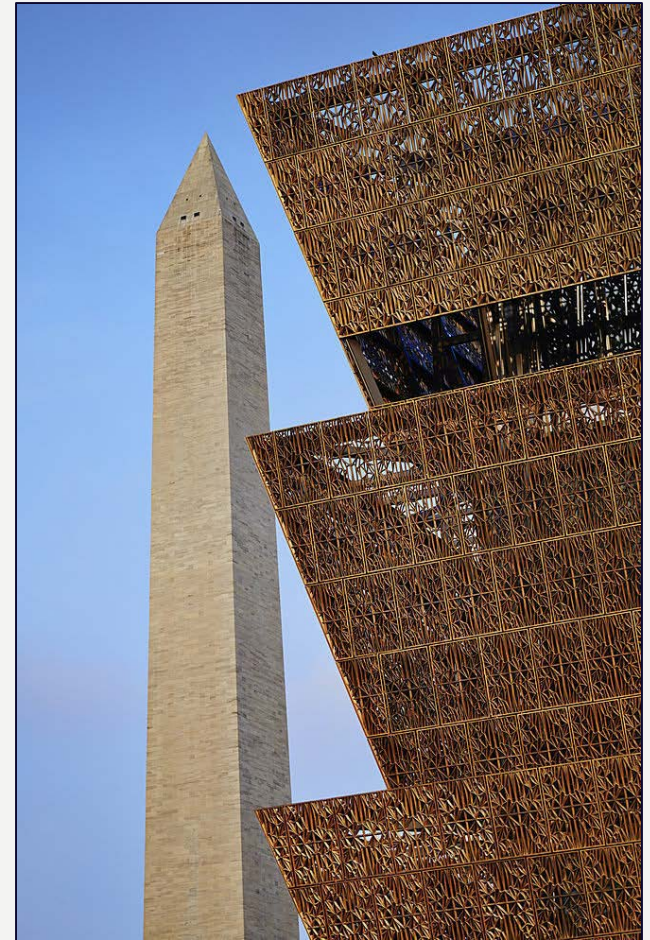 ➢ State of the industry

  ➢ Jump-start guide

- Facilities Unit Goal - 2013

  ➢ Form Task Force

  ➢ Survey

  ➢ Develop plan

SMITHSONIAN LESSONS LEARNED PROGRAM PROGRAM EVOLUTION

Lessons Learned Process Elements

- Leadership

- Culture

- Lesson Collection

- Lesson Analysis

- Lesson Implementation

- Resources

- Maintenance and Improvement

SMITHSONIAN LESSONS LEARNED PROGRAM PROGRAM EVOLUTION

2014 Pilot Program

- Data Base Selection and Development

- ID Pilot Projects

- Collections Templates and Methods

SMITHSONIAN LESSONS LEARNED PROGRAM COLLECTION

- **Collection Template**
  - ➢ Lesson Learned
  - ➢ Background
  - ➢ Executive Action
  - ➢ Admin Info

- **Data Base**
  - ➢ Existing Document Locator DB
  - ➢ BIM Wiki Site
  - ➢ Searchable

SMITHSONIAN LESSONS LEARNED PROGRAM COLLECTION

Collection Process

- Specific Projects
  - ➤ From Integrated Facilities Teams
  - ➤ Project Type and Phase
  - ➤ Museum Input
  - ➤ Contractor and Consultant Input

- Individual collection

SMITHSONIAN LESSONS LEARNED PROGRAM ANALYSIS

Analysis teams

- 5-6 volunteers from SI Facilities staff

- Review 20 lessons

- Sort into action folders

- Develop suggested Executive Action

SMITHSONIAN LESSONS LEARNED PROGRAM ANALYSIS

Action Folders

- Review Panel

- External Action

- Change to tech requirements

- Change to Process

- Pre-project Checklist

- Newsletter

- Return/Rewrite

- No Action - Archive

SMITHSONIAN LESSONS LEARNED PROGRAM IMPLEMENTATION

Implementation Presentations

- Senior Leadership Briefings

- 12 lessons

- Document decisions

- Track actions

SI Facilities Quarterly Newsletter

- Three lessons

- Credit submitters!

SMITHSONIAN LESSONS LEARNED PROGRAM ACCOMPLISHMENTS

- 270 lessons collected

- 210 lessons analyzed

- 27 lessons presented for implementation

SMITHSONIAN LESSONS LEARNED PROGRAM LESSONS

Cooper Hewitt Museum Renovation

- Design exhibits concurrently with infrastructure

- Install stand-alone temporary fire alarm system

- Closely coordinate museum re-opening dates

SMITHSONIAN LESSONS LEARNED PROGRAM LESSONS

Mathias Lab Construction

- Coordination of drawings; more attention required

- Never assume that all previous HAZMAT abatement has been completed. Cheaper to test and confirm.

- Sustainability initiatives don't necessarily lead to customer satisfaction.

SMITHSONIAN LESSONS LEARNED PROGRAM LESSONS

Questions?