

INTER A A A A A

Deferred Maintenance FY25 Updates for New Study Template 09/19/2024

W



DIVISION OF CAPITAL ASSET MANAGEMENT & MAINTENANCE

in the second

New Study Template Agenda

- Important Dates
- What's New and Updated
 - Existing Conditions Additional Information
 - **PNF Form** Mass Historical Commission
 - Energy Updates
 - E.O. 594 Resources and Requirements
 - Climate Resilience Check Survey in CAMIS
 - Wetlands
 - Helpful tips Study Requirements Study Sections

Designer Performance Evaluation

Questions



Webinar will be posted on the <u>Deferred Maintenance</u> <u>Website</u>

New template must be used after - October 15, 2024





Existing Conditions

Identify the record owner of the property where the proposed work will occur and provide a book & page reference for the record deed.

Identify which entity has care and control of the property where the proposed work will occur.





Existing Conditions Investigation





NEW Updates for Applicable Codes and Regulations

Applicable Codes

[Check appropriate boxes to indicate which codes and regulations are applicable to the project as well as the associated model code basis. Note that information on existing conditions already may be provided in CAMIS.]

| Building Code 780 CMR 34.00 (2015) | Applicable | Not Applicable |
|------------------------------------|------------|----------------|
| Fire Protection | Applicable | Not Applicable |
| Plumbing | Applicable | Not Applicable |
| Electrical | Applicable | Not Applicable |
| Mechanical | Applicable | Not Applicable |
| Elevator | Applicable | Not Applicable |
| Hazardous Materials | Applicable | Not Applicable |
| Energy | Applicable | Not Applicable |
| Accessibility | Applicable | Not Applicable |
| PNF Submission to Historical | Applicable | Not Applicable |
| Commission 950 CMR 71.07 | | |
| Executive Order 594 (see footnote) | Applicable | Not Applicable |
| Climate Resilience Survey | Applicable | Not Applicable |
| Wetlands Protection 310 CMR 10.00 | Applicable | Not Applicable |
| | | |

¹ Executive Order 594 for existing building requires that projects examine and prioritize: 1) alternatives to fossil fuels, 2) transition to biofuels if location uses oil, 3) facilitate transition from fossil fuels, 4) upgrade envelope where possible, 5) facilitate renewable energy systems, 6) protect critical infrastructure from climate risks, and 7) support the installation of EV charging equipment. See: https://www.mass.gov/info-details/leading-by-example-executive-order-594-decarbonizing-and-minimizing-environmental-impacts-of-state-government#executive-order-guideline-documents- (see guidelines for: existing buildings, biofuels, and electric vehicle supply equipment).



- All state agencies and/or their House Doctor must confirm to the requirement (950 CRM 71.07) to file a Project Notification Form (PNF)
- Submit the associated documentation to MHC for review

Proposed project's scope of work should determine if there will be any adverse impacts on historic or archaeological resources.

- PNF must be submitted to MHC during the study phase after schematic design is completed Draft version of study should be submitted to DCAMM team for review and comments while waiting for final approval from MHC.
- The response from MHC must be included in the final draft study submitted for certification Attach the approved/stamped PNF form at the Appendices D section in the study



Mass Historical Commission Project Notification (950 CMR 71.07) Continue

- This requirement applies to all Commonwealth Buildings and associated lands, except those whose scopes of work will clearly not have negative historic effects.
- These project exceptions may include: Work entirely within the interior of a building that will not affect characterdefining interior architectural features. Most work on building MEP systems inside buildings.
 Building repairs, cleaning, and
 - maintenance activities that do not alter or replace historic exterior features.





PNF FORM – MASS HISTORICAL COMMISSION

Here is the link for the PNF form:

Click here

Link for New Study Template Instruction: (when they're on website)

Please note: MHC review process typically takes 30 days plus time for mail delivery.

JUL 17 2024 MASS. HIST. COMM 950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEAL KC. 6691 APPENDIX A MASSACHUSETTS HISTORICAL COMMISSION 220 MORRISSEY BOULEVARD BOSTON, MASS. 02125 617-727-8470, FAX: 617-727-5128 PROJECT NOTIFICATION FORMer review of MHC files and the materials you submitted, it has been determined that Project Name: Sullivan Academic Center Reroofing this project is unlikely to affect significant historic or archaeological resources. Rc. 669 Location / Address: 486 Chandler Street City / Town: Worcester, MA Preservation Planner Massachusetts Historical Commission Project Proponent Name: Lamoureux Pagano Associates Architects, Inc Address: 108 Grove Street, Suite 300 City/Town/Zip/Telephone: Worcester, MA 01605; Tel: 508-752-2831 Agency license or funding for the project (list all licenses, permits, approvals, grants or other entitlements being sought from state and federal agencies). Agency Name Type of License or funding (specify) Worcester State University Department of Capital Asset Management and Maintenance Project Description (narrative): This project is to remove the existing roofing system, at the Sullivan Academic Center building, down to the existing concrete roof deck and replace it with a new PVC roofing membrane system that will consist of polyisocyanurate insulation, cover board, and PVC roofing membrane. The Sullivan Academic Center building was designed by John M. Gray Co Architects and was built in 1966. It is the academic hub of the campus that contains 110,000sf of classrooms,

5/31/96 (Effective 7/1/93) - corrected

950 CMR - 275

RECEIVED



EO 594 Requirements & Resources

• Projects in existing buildings:

Specify Alternatives to fossil fuels

Transition systems from fossil fuels to green energy_

Upgrade envelope where possible

Facilitate renewable energy systems

Protect from climate risks



• Horizontal Projects:

Prepare for electric vehicle charging equipment Support the installation – when installing new parking lots install utilities needed for EV charging to be added in the future

- Electronic Version
 - How to gain Access
 - Where to complete the form
 - **Contacts for CAMIS**
 - Noel Jordan
 - noel.jordan@mass.gov



DCAMM Climate Resilience Survey

| Assessor Informat | tion | | | | | | | | | |
|----------------------------|-------------|---------------|---------------------------|---------------|--------------------|----------------------|---------------------------|------------|------------------|-----------------|
| Survey ID | | | | | | Status | | | | |
| Assigned To | | | | | Email | Email | | | | |
| Created Date | | | | | | Assessor Con | pany Name | | | |
| Building Location | | | | | | | | | | |
| Site Name | | | | | | Building Name |) | | | |
| Site Code | | | | Building Code | | | | | | |
| County | | 1 | | | Project Addres | \$ S | | | | |
| Project Details | | | | | | | | | | |
| | | | | | Project Name | | | | | |
| DCAMM Project M | | | | | Consultant 1 (| list trade) | | | | |
| Consultant 2 (list t | - | | | | | | Consultant 3 (list trade) | | | |
| Consultant 4 (list t | | | | | | | | | | |
| Facilities Informat | | | | | | | | | | |
| s this project repa | | age from na | atural hazards? | | | | | 1 | | |
| Does this facility h | - | • | | tion? | | | | | | |
| s the area adjacer | | | | | | | | | | |
| s the building loca | | | | | commun | tv? | | 1 | | |
| s this an essentia | | | | Justice | | · · · | | | | |
| is the building des | | | ancy shalter for t | | unding co | mmunity? | | | | |
| History - Damage | - | - | | a surrou | ananig CO | | | | | |
| | | | | rational | Internet | one & Health Biol | ks (Include mm/yy) | | | |
| | | Extreme Hea | | ational | interrupu | ons, a neatti Kisi | (include min/yy) | | | |
| 1 | | | | | | | | | | |
| 2 | | Precipitation | n | | | | | | | |
| 3 | | Wind | | | | | | | | |
| 4 | | | rne Pathogens | | | | | | | |
| 5 | | Flooding | | | | | | | | |
| 6 | | Seismic | | | | | | | | |
| Utility Information | | | | | | | Energy Loads & Per | | | |
| Electricity | | | Peak Electric Demand (kW) | | | | | | | |
| Natural Gas | | | | | Heating System Cap | | | | | |
| Water/Sewer | | | | | | | Peak Cooling Capac | ity (Tons) | | |
| Back-Up & Emerge | ency Pow | er | | | | | | | | |
| How much of the b | ouilding is | served by t | backup/emergen | cy power | ? | | | | | |
| Battery Storage or | n Site? | | | | | | | | | |
| Number of Genera | tors | | | | | | | | | |
| Number of UPS | | | | | | | | | | |
| is there an emerge | ncy back | up electrical | I feeder from the | Utility? | | | | | | |
| Generators | | | | | | | | | | |
| Area Serviced | Camis ID |) Fi | uel Source | Generat | or Type | PM Frequency | Model Number | Name | Primary Location | Serial Number |
| | | | | | | | | | | |
| New Generators | | | | | | | | | | |
| Area Serviced | Camis ID |) Fi | uel Source | Generat | or Type | Manufacturer | Model Number | Name | Room ID | Serial Number |
| | | | | | | Name | | | | |
| | | | | | | | | | | |
| Existing UPS | | | | | | | _ | | | |
| Area Serviced | Camis ID | Fi Fi | uel Source | Generat | or Type | PM Frequency | Model Number | Name | Primary Location | Serial Number |
| | | | | | | | | | | |
| New UPS | | | | | | | | | | |
| Area Serviced | Camis ID | Fi | uel Source | Generat | or Type | Manufacturer Name | Model Number | Name | Room ID | Serial Number |
| | | | | | | I | | | | L |
| Climate Resilience | Design S | Standards To | ool - Asset Risk F | Ratings | | | | | | |
| Printed On: Printed By: | May 20, 2 | 2024 9:11 AN | и | | | 1 / 3 | | | powered | i by IBM TRIRIG |



Wetlands

• Wetlands Protection 310 CMR 10.00

Effective as of October 24, 2014

Introduction – to complement M.G.L. c. 131, § 40

Purpose – Areas under protection and how that effects your project.

Wetlands Protection Act Regulations: Click here





Helpful tips - Study Template Sections

- Section 1 Study Summary
- Section 2 Existing Conditions Investigation
- Section 3 Acceptable Codes and Regulations Summary
- Section 4 Options and Proposed Solution
- Section 5 Cost Estimate
- Section 6 Proposed Schedule
- Section 7
 A
 - Appendices
 - Appendix A: MAAB Scoping Form and Checklist
 - Appendix B: Full Cost Report
 - Appendix C: DCAMM Specifications
 - Appendix D: PNF form
 - Appendix E: Code Reports and Testing Reports
 - Appendix X: Schematic Design



- The "Summary" portion of a study should be limited to one page.
- Identify how long the information in the Study will remain accurate and any specific factors that will require updating after that date.
- The Agency Point Person must review the study document and sign the "Acknowledgement" before submitting the study for certification.



Existing Conditions

- Identify any conditions that will require additional services during design, such as surveying, materials testing, etc.
- Label all photographs and their location.
- Cite relevant information from prior studies that address the same issue.
- Provide a summary of expenses related to the maintenance and repair of the building element, systems or equipment addressed in the Study.
- Identify the consequences of possible failure on occupants and services provided.



Photo 221 – Deteriorated flashing and parapet



Acceptable Code and Regulations Summary

- If a code consultant is used, summarize the findings in this section and attach the full report in the Appendices of the Study.
- Accessibility

Use the accessibility tools in the Template and Instructions and the text recommended in the Template. If an access audit is needed for an entire building consult *DCAMM's Statewide Accessibility Initiative*.

All Studies must complete the <u>DCAMM Scoping Form for MAAB Compliance</u> and, if applicable, <u>DCAMM's Accessibility Checklist</u>. The "Accessibility Summary" document from a recent FCA or an Accessibility Audit done by others (DCAMM or consultant) can be used in place of the DCAMM Accessibility Checklist.



- Using the information from the Existing Conditions Investigation and the Code Summary, describe possible options for addressing the problem that prompted the preparation of the Study, especially if other options have been considered.
- For projects with cost constraints, the discussion in this Section should include tradeoffs such as repair vs. replacement.
- Although every project will have different requirements, the House Doctor should clearly
 outline the Proposed Solution utilizing (but not limited to) the following types of
 preliminary documentation:

Drawings (plan(s), section(s), and elevation(s)) Equipment manufacturer(s) product information

- Calculations
- **Outline specifications**
- In estimating a schedule for design and construction, indicate any specific construction phasing or sequencing that will be required, if applicable.



Section 5 – Cost Estimate Summary

| Se | ection 5 – Cost Estimate | |
|-----|--|------------------------------|
| Stu | udy Costs | |
| | 1. Total Consultant Study Fees: | \$ |
| | Total Consultant Reimbursable not included in study fee: | \$ |
| | Total study cost | \$ |
| De | esign and Construction Cost Estimate (prepared by: [enter name of cost | estimator] |
| [If | a detailed cost estimate is prepared by a consultant, enter the name of | the firm and the date of the |
| | timate report and attach it as an Appendix.] | |
| Ide | entify cost estimator's assumptions and exclusions | |
| А. | Estimated Construction Cost (ECC) based on this Study | \$ |
| | ECC date (mo/yr): | |
| | Projected construction midpoint (mo/yr): | |
| | Months elapsed from ECC date to construction midpoint: | |
| | Cost escalation rate (3% per year x ECC): | \$ |
| | 5. Escalated Estimated Construction Cost (ECC x Escalation Rate): | \$ |
| в. | Change Order Contingency (10% of Escalated ECC) | \$ |
| c. | Final Designer's Fee | |
| | Fee Rate (%) per Inspector General's guideline: | |
| | 2. Designer's Fee (Escalated ECC x Fee Rate) | \$ |
| D. | Other Designer Related Expenses not included in design fee | \$ |
| | (e.g. permitting fees, testing, etc.) | |
| E. | Advertising and Printing (0.1% of Escalated ECC) | \$ |
| F. | Construction Administration/Resident Engineer: | |
| | Period of time (weeks): | |
| | Rate (\$/week): | \$ |
| | 3. Reimbursable expenses: | \$ |
| | 4. Resident Engineer costs: | \$ |
| G. | Furnishings and/or Equipment | \$ |
| то | DTAL PROJECT COST (TPC) | s |

1 Study Cost is a separate part of Phase 1 and **should not be added** into the Estimated Construction Cost (ECC) for Design and Construction (Phase 2).

- 2 The study template uses a 3% for cost escalation.
 (Do not increase this percentage.)
- 3 Designer Fee the House Doctor must list the percentage used, detailing the applicable Group and dollar level from the Designer Fee Guidelines.
- 4 Other Designer Related Fees the House Doctor should identify what this cost entails in a footnote.
- **5** Advertising and Printing is **0.1%**, not 1.0%.
- 6 Detail all the information if applicable.
- 7 The House Doctor should provide detail in a footnote if these costs are included.

Section 6 - Proposed Schedule

- Be sure to use the correct time frames for bidding Ch 149 vs. Ch 30
- Provide time frame in number of weeks, not actual dates

Example:

| Design Development | Six Weeks |
|-----------------------------|------------------|
| DD Review | One Week |
| 90% Construction Documents | Six Weeks |
| 90% CD Review | One Week |
| 100% Construction Documents | Two Weeks |
| Bid Period | Eight Weeks |
| Award Contract | Two Weeks |
| Construction Duration | Forty-Four Weeks |



Section 7 Appendices

- Include the following **AT A MINIMUM**:
 - Completed Accessibility Scoping Form and Accessibility Checklist (if applicable)
 - Full Cost Report
 - DCAMM Specification matching the scope of work
 - Approved/Stamped PNF response form from MHC
 - Schematic Designs

Other equipment information (where applicable)

- Include the following **IF AVAILABLE**:
 - Code analysis reports
 - Testing analysis information
 - Quotes for equipment and materials
 - Incident reports





Final Submission Documents

Study Document

| | | | REQUEST FOR STUDY CERTIFICATION | | | | |
|---|---|---------|--|-------------------------|---|--------------|--|
| | | For D | Jeferred Maintenance Projects with a | a Dollar Value of \$3 | 800,000 to \$5 Million (\$10 Million for UMass syst | em) | |
| 10/27/2022 | | ind | Information provided in this transmittal must match information in the attached study. Incomplete studies will be returned to the requesting agency for further development and resubmittal | | | | |
| | | State | Project Number: Click or tap here to ent | ter text. | Phase #: FT1 FT2 FT0 | | |
| | | Projec | t Title: Click or tap here to enter text. | | | | |
| | | Facilit | y Name: Click or tap here to enter text. | 1 | | | |
| Study for Certificati | on of | Facilit | y Location: Click or tap here to enter text | . 1 | CAMIS J Number: Click or tap to enter a date. | | |
| Deferred Maintenand | na Bralact | Study | Prepared by: Click or tap here to enter to | text. | | | |
| Deletied maintenant | te Project | Estim | ated Construction Cost (ECC): click or | tap here to enter text. | Date of Study: Click or tap to enter a date. | | |
| | | Total | Project Cost (TPC): Click or tap here to e | enter text. | Date of Revision, if any: Click or tap to enter | a date | |
| | | M.G.L | Ch. 29. S. 7K states no provider of de | esign services for an | y building project for which a state agency is t | che | |
| Franklin County Jali R Main Building | oof Study | | | | performed, unless and until the study, program d the following certifications have taken place | | |
| 160 Eim Street, Greenfield MA | | State | State Operating Agency, Judiciary or County | | | | |
| | | | The following individuals are designated by the agency to certify that the study, program, or where | | | | |
| State Project #, Phase: SDF2250 FT1 | | | priate both, corresponds to the age opment plan: | ency's current need | ls, including its current long-term capital fac | ilities | |
| CAMIS 'J' #: J230257- | 1 | Signat | ure: | | Date: Click or tap to enter a c | date. | |
| Agency Project #: Frai | nkiin County Sheriff's | Name | Click or tap here to enter text. | Title | e: <u>Click or tap here to enter text.</u> | | |
| Department- Main Jali | Roof Replacement | | | 2 | | | |
| separement- main ean | | - | ure: | | Date: Click or tap to enter a c | <u>iate.</u> | |
| | | Name | Click or tap here to enter text. | Title | e: <u>Click or tap here to enter text.</u> | | |
| Prepared Feri | | Signat | ure: | | Date: Click or tap to enter a | late | |
| Franklin County Shariff's Office | The Commonwealth of Massachusetts | - | Click or tap here to enter text. | | e: Click or tap here to enter text. | tu the | |
| 100 Eim Street Greenfield, MA 91301 | Division of Capital Asset Management and | Nume | click of tap here to enter text. | THE | Citck of tap here to enter text. | | |
| | Maintenance (DCAMM) | Divis | ion of Capital Asset Manage | ement and Ma | intenance | | |
| | One Ashburton Place, 15th floor Boston, MA 02108 | | | | te both, reflects the agency needs as stated | · that | |
| | BOSCOTI, MIA UZILAB | | | | s, cost and schedule; that the project can be | | |
| | | | | | that project; and that I recommend procee | ding | |
| | CAPITAL ASSET | with d | esign, construction, or where appro | opriate both. | | | |
| | | | | | Date: | | |
| | | Hope | Davis / Commissioner, Office of Facilities Man | nagement and Maint | enance, DCAMM | | |
| Propared By: | | l here | ov certify that the study program o | r where appropria | te both, are in conformity with the scope an | ıd | |
| Dists & Company Architects, Inc. | | | | | t, and legislative intent regarding the long-r | | |
| SU Frank B. Murray Street, Suite 2 Springfield, BA 81103 | 01 | | I facility plans for the using agency, priate, both. | and I approve proc | ceeding with design, construction, or where | | |
| | Template 04/13 | | | | Date: | | |
| | | | W. Gladstone issioner, DCAMM | | | _ | |
| | | | Original signatures ar | e required on the | e form submitted to DCAMM | | |
| | | | | | DCAMM Commissioner's signature | | |

Request for Study Certification Document

Page 1 of 1

1. Complete ALL Information Requested

2. Designated oversight manager(s) must SIGN and date.

These completed project submittals will be archived so they must be forwarded as separate PDF attachments.



Approved Study Certification Letter



 \bowtie

Designer Performance Evaluation

- M.G.L Chapter 7C, §48 legislates that the awarding authority shall provide the Designer with a
 preliminary evaluation at the completion of the study/schematic phase of the project for
 informational purposes. A final evaluation of the designer shall be completed within 70 days of the
 completion of the project. If the project will only be a study, a final evaluation should be completed
 at the end of the study.
- Evaluations may be completed by logging on to the Designer Selection Board's <u>Designer Selection</u> <u>Network</u>.

The evaluation can be completed by the PM or OPM with a review by the awarding authority project supervisor. The designer will have thirty days to respond or comment on the written evaluation. The evaluation together with the designer comments will form the evaluation record.

Contact information for the Designer Selection Board is available <u>here</u>



Scott Calisti – DHE Liaison - scott.calisti@mass.gov

Michael Arcadipane – Community Colleges Liaison - michael.Arcadipane@mass.gov

Michele Davis – EOPPS, Sheriff's Offices Liaison - michele.davis@mass.gov

Tan Nguyen – EOHHS, EOEEA, EOLWD, MA SEC, UMass Campuses Liaison - <u>tan.nguyen@mass.gov</u>

Azinga Ming – Trial Courts, State Universities Liaison - azinga.ming@mass.gov

Tom Tagan - Director of Facility Resources - francis.tagan@mass.gov



Contacts

Greg Zuckerman - Statewide Accessibility Initiative Coordinator <u>Gregory.Zuckerman@mass.gov</u>

Robbie Brown - CAMIS System Analyst / Coordinator <u>robbie.w.brown@mass.gov;</u>

Scott Calisti – Study Certification Coordinator, Higher Education scott.calisti@mass.gov

Michele Davis – Study Certification Coordinator, Non-Higher Education <u>michele.davis@mass.gov;</u>

Noel Jordan – CAMIS Coordinator/Climate Resilience Survey <u>noel.jordan@mass.gov</u>

Brenna Sapienza - DSB Liaison/House Doctor Coordinator brenna.sapienza@mass.gov



DCAMM Website Pages and Links

- Deferred Maintenance New Study Instructions
- Deferred Maintenance New Study Template
- Deferred Maintenance New Request for Study Certification
- <u>Compliance Tools developed by the Statewide Accessibility Initiative | Mass.gov</u>
- <u>Deferred Maintenance New Study Template Presentation</u>
- Deferred Maintenance New Study Template Webinar
- Deferred Maintenance FY25 Updates for New Study Template (to be posted)
- Climate Resilience Survey **NOW in CAMIS**



Questions



