Departmental Impact: High Campus Impact: High University Impact: Moderate to High

Planning (4-12 months)				Design (6-12 months)					Construction (6-24 months)					Closeout	
Initiation	Procurement	Feasibility Study	Approvals	Design Team Procurement	Design	Plan for Operation & Turnover	Construction Team Proc.	Approvals	Mobilization	Construction	Operation & Turnover Prep	Turnover		Admin. Closeout	Project Review
Project Request	Develop Project Charter	Information Gathering & Programming	Project Reviewed by Leadership	Transition Project to Implementation	Iterative Design Process Inclusive of Budget, Schedule & Risk	Evaluate Design for Operational Impact	Solicit Proposals from Contractor(s)	Scope, Schedule, & Bud- get Sign-off	Project Schedule	Regular Meetings & Site Walks	Punch List	Construction Closeout		Financial Closeout	Lessons Learned
Approval to Investigate	Solicit Proposals from Consultant(s)	Existing Conditions & Operational Impact Assessment	Approval to Proceed	Solicit Proposals from Design Team	CPFO & Facilities Reviews	Discuss Turnover & Closeout Package	Select Contractor and Finalize Project Budget	Leadership Updated	Communication Plan	Construction Administration	Move Management	Closeout Package		Archive Project Documents	Post-Occupancy Check-In
Project Team Assigned	Select Team & Finalize Contract	Iterative Exploring & Testing		Select Design Team & Finalize Contract	Substantial Scope or Budget Changes Return to Planning	Room Numbering		Approval to Proceed	Evaluate Operational Impact	Budget Evaluation & Adjustment (as needed only)	Facilities Walk- through & Setup in WO System	Turn Over Projects to Facili- ties for Operation		Floor Plans Updated in System	
	Schedule Kickoff & Recurring Meetings	Final Report		Schedule Kickoff & Recurring Meetings	Regulatory Review Process				Initiate Turnover Plan	Prepare for Project Turnover	Commissioning	Project Occupancy Meeting		Key - App to adv	proval required ance

B. PROJECT DEFINITION / SCOPING & FEASIBILITY PROCUREMENT Phase Owner: Planner

1. Project Ramp Up

Goal: Establish a strong foundation of project goals and parameters to serve as a guide throughout the entire project lifecycle.

Outline the project charge -

Internal Stakeholders

Internal Collaborators

Establish committee(s)

Leader

CPFO

what need is the project

1.1 Develop Project Charter

satisfying

Project Effort

Project Scope

Project Deliverables

Consultants

Define rolls and responsibilities

Project Approach

Project Oversight

Project Team

Project Timeline

Approval Process

Feasibility Study Budget

method & frequency

1.2 Review Project Charter with

HMS

1.3 Share Project Charter with HU

CPFO

Project Charter

Leader

Planning Office

Revise based on feedback

Preferred communication

Project Risk

Goal: Identify all external partners and consultants needed to support the planning effort on the project. Vet and select the firm that will best support the project goals and objectives.

2. RFP and Project Team Awards

2.1 Evaluate applicable project intent to confirm code requirements, parameters, and standards that will influence overall concept Space / Office Lab Std.

Design Goals - HMS, HU standards

Sustainability Accessibility

Equipment O&M guidelines

E&C Leader/ PM FOM/ Engineer/ Energy

2.2 Confirm required consultants and identify criteria for selection of A/E/CM, specialties, consider:

- Required program elements for feasibility study including, but not limited to:
- Planning, Architecture, MEP, Structural, Building Code, Accessibility, etc
- Required program elements for design effort including, but not limited to:
- MEP, IT, AV, Lighting, Furniture, Security
- Design parameters & metrics
- Relevant communication and data formats and software needed
- Process for design reviews & approvals
- Required meetings / approaches (e.g. attend & participate in pull planning meetings, etc.)
- Applicable regulations
- Identify Risks / Testing Needs: ACM, Hazmat, non & destructive testing

Planning Leader E&C Leader/ PM 2.3 Develop and review RFP based on agreed-upon criteria

Identify and create applicable exhibits

Planning Leader

2.4 Assemble Designer Selection and Review Committee (DSRC)

- Per HU guidelines
- Distribute RFP to committee members
- Including: Planner, Planning Leader, CP&FO, E&C Leader, Design Panelists, HU PO Leader, Customer

HUPO CPFO Planning Leader E&C Leader/ PM RFP Recipients Executive bility Requirer RFP Summary Matrix

E&C Leader/ PM

CPFO

2.5 Identify recipients of RFP

DSRC

2.6 Send RFPs to AEC partners to propose work

- Planners/ architects/designers
- Engineers
- Pre-con/Construction Manager
- Other relevant specialties
- 2.7 Schedule & conduct walk-throughs with relevant info packet

2.8 Review RFPs

- RFP Submissions Executive Summary
- Determine which firms to invite for interviews

DSRC

2.9 External Partner Selection Process

- Interview potential AEC team partners
- Evaluate & Select A/E/C Partners
- Compare AEC firms' capabilities & approach vs. project charter, customer conditions of satisfaction, and other agreed-upon, shared criteria

DSRC

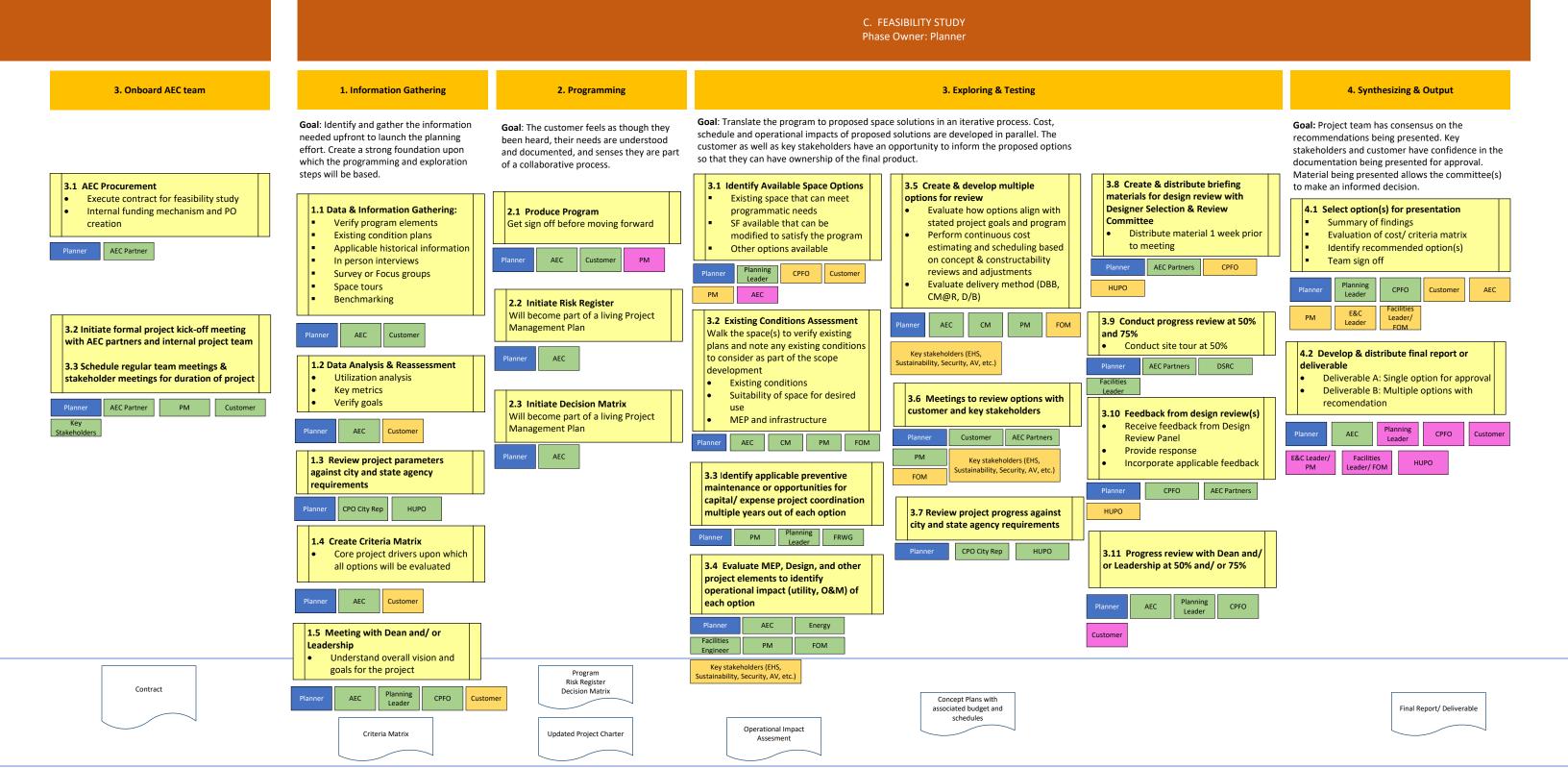
2.10 Notify A/E/C Partners

RFP Submissions Executive Summary Matrix

AEC Selection Justification Matrix

Initiate Monthly Report

Project Charter



Project Charter

Risk Register

Decision Matrix

Meeting Agenda &



3. RFP and Project Team Awards

D. APPROVAL

1. Approval and Customer Notification (Yes/No)

Goal: Project is reviewed for approval and clear direction is provided to the project team. Funding is earmarked on the capital plan.



1.1 Package submittal for Dean and/ or project approving committee(s)/ leadership

- Deliverable A: Committee reviews presented option
- Deliverable B: Committee(s) select desired option
- Associated cost earmarked on capital plan

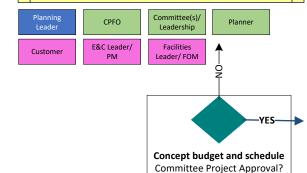


IF budget not approved,

redefine request in Step 1

1.2 HMS and HU leadership review process

- 1.3 Committee meeting and/or leadership review Approval of scope, schedule and budget
- Funding mechanism identified



and Funding Mechanism

1. Transition from Planning to Implementation

Goal: Customer knows project has shifted to implementation phase, understand timing, how and when they will be engaged in project delivery, and knows their experience is a priority.

1.1 Project Charter / PMP Handover

Meeting from Planning to E&C

PM

1.2 Verify Project Details

Regulatory Review

Goal: Customer knows project has shifted to implementation phase, understand timing, how and when they will be engaged in project

2. Administrative Ramp Up &

delivery, and knows their experience is a priority.

3.1 Evaluate project design intent to confirm design standards 2.1 Project Proposal Approval Sustainability

Materials Accessibility

Planning PM

and project category.

Equipment O&M guidelines

Planning PM Facilities/FOM/FE

2.2 Dollar Value Under \$5M Submit to CAPS

Evaluate Project Team -Additional consultants needed; Proceed with existing consultants Identify project delivery method

Planner Customer

1.3 Outline HU Requirements If HU design selection followed in feasibility, do not need to repeat If HU design selection followed but want to proceed with nonfinalist. Follow C.2 If HU design selection process not followed, Follow C.2 1.4 Meeting to transition project with customer PM/CM Customer 1.5 Confirm communication needs (format, frequency) with customer

Process

&C Leader CPFO Facilities **CPF Finance** Planning Leader

HMS review and approval

HU review and approval (CAPS)

2.3 Dollar Value Over \$5M

- Submit project memo
- CPRC submission and review
- Corporation submission and review (>\$15M)

PM CPFO Facilities Planning Leader CPF Finance

2.4 Conceptual design check-in with BPDA, Landmarks, MASCO, and other relevant authorities having jurisdiction

CPO City Rep PM HUPO AEC Planner Planning Leader HU Comm.

> PM notify email blast list of project opening and location of PMP

3.3 Confirm on delivery method (DBB, CM@R, D/B) CPFO

3.4 Confirm Criteria for selection of A/E/CM, Cx, specialities, consider:

- Required program elements including, but not limited to:
- MEP, Security, IT, AV, Finishes, Furniture, Lighting, Accessibility
- Design parameters & metrics
- Relevant communication and data formats and software needed
- Process for design reviews & approvals

Planning PM

Required meetings / approaches (e.g. attend & participate in pull planning meetings, etc.)

Goal: We shepherd the customer's vision from concept to executable form that our Architect, Engineering &

Construction (AEC) partners can deliver. We match the right AEC partners with customer's conditions of satisfaction

3.2 Identify relevant available Harvard design standards, sustainability standards and design standard gaps

Facilities/FOM/Engineer

Space / Office Lab Std.

Applicable regulations

3.6 Identify RFP recipients

Identify Risks / Testing Needs: ACM, Hazmat, non & destructive testing

3.5 Create RFP(s) based on agreed-upon criteria Planner Facilities

Facilities

Customer

CPFO

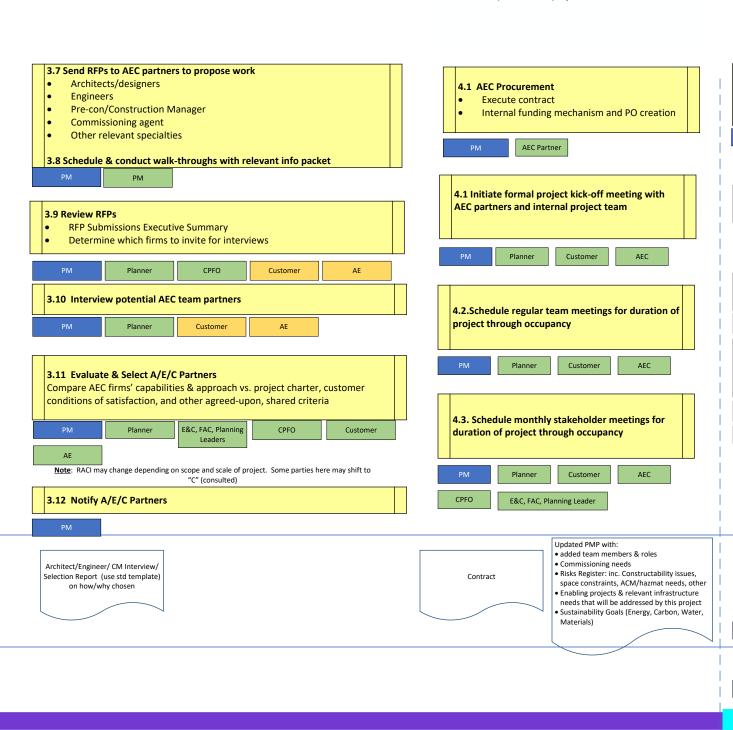
ΑE

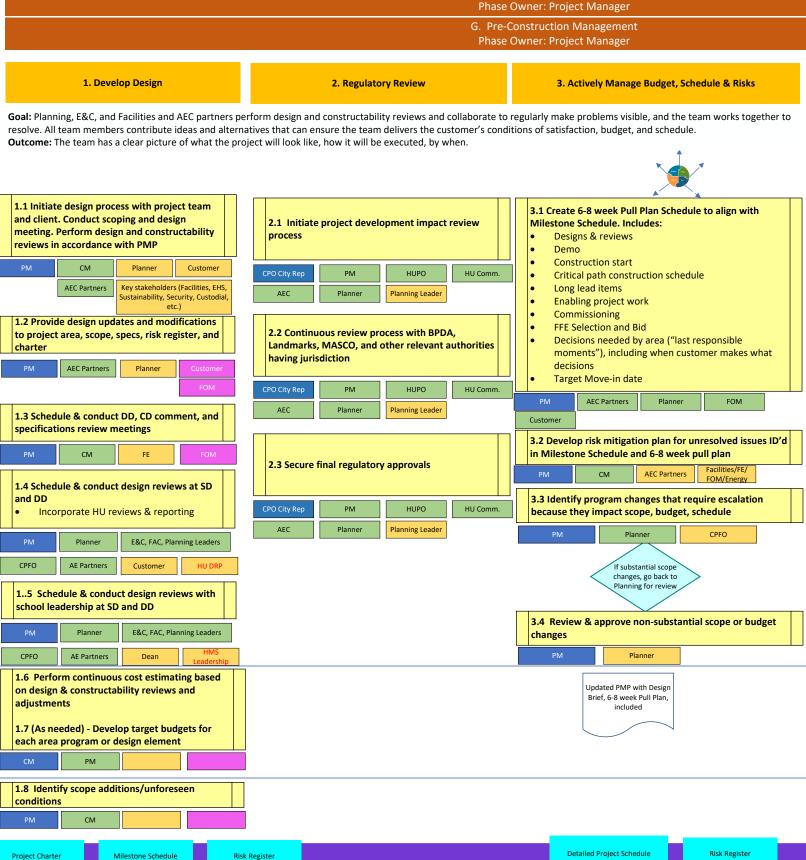
relevant information/packets



4. Onboard AEC team

Goal: AEC team understands scope and Conditions of Satisfaction for process and project success.

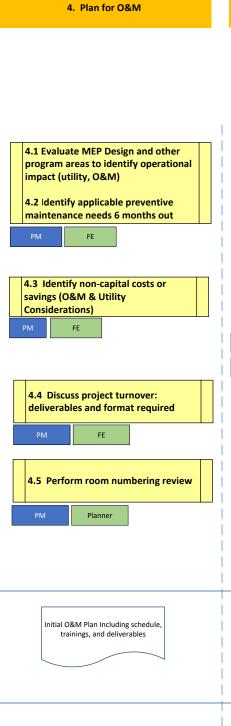


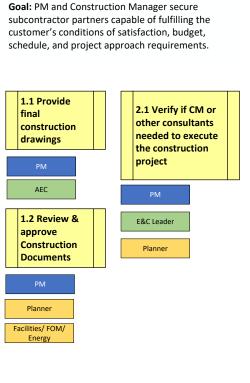


F. Design the Project

3. RFP and Project Team Awards

Goal: Identify the CM best able to delivery the project on time and on budget. Finalize the project budget based on input from the CMs using the contract document set.





2. Project Team

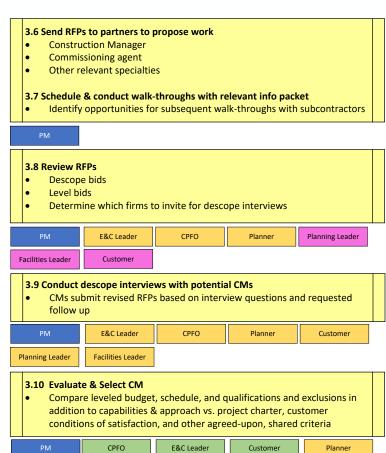
Evaluation

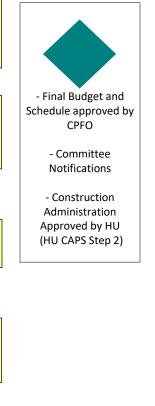
1. Deliver

construction

documents

3.1 Evaluate project requirements and parameters Sustainability Equipment O&M guidelines Delivery Method Scheduling and phases Facilities/FOM/FE Planner 3.2 Confirm delivery method (DBB, CM@R) 3.3 Confirm Criteria for selection of CM, Cx, specialties, consider: Relevant experience: Occupied space, phases, science or specialty spaces, Required program elements including, but not limited to: MEP, Security, IT, AV Relevant communication and data formats and software needed Applicable regulations Identify Risks / Testing Needs: ACM, Hazmat, non & destructive testing Planning PM CM Energy CPFO Customer 3.4 Create RFP(s) based on agreed-upon criteria Planner Facilities 3.5 Select RFP recipients E&C Leader Planner Planning Leader





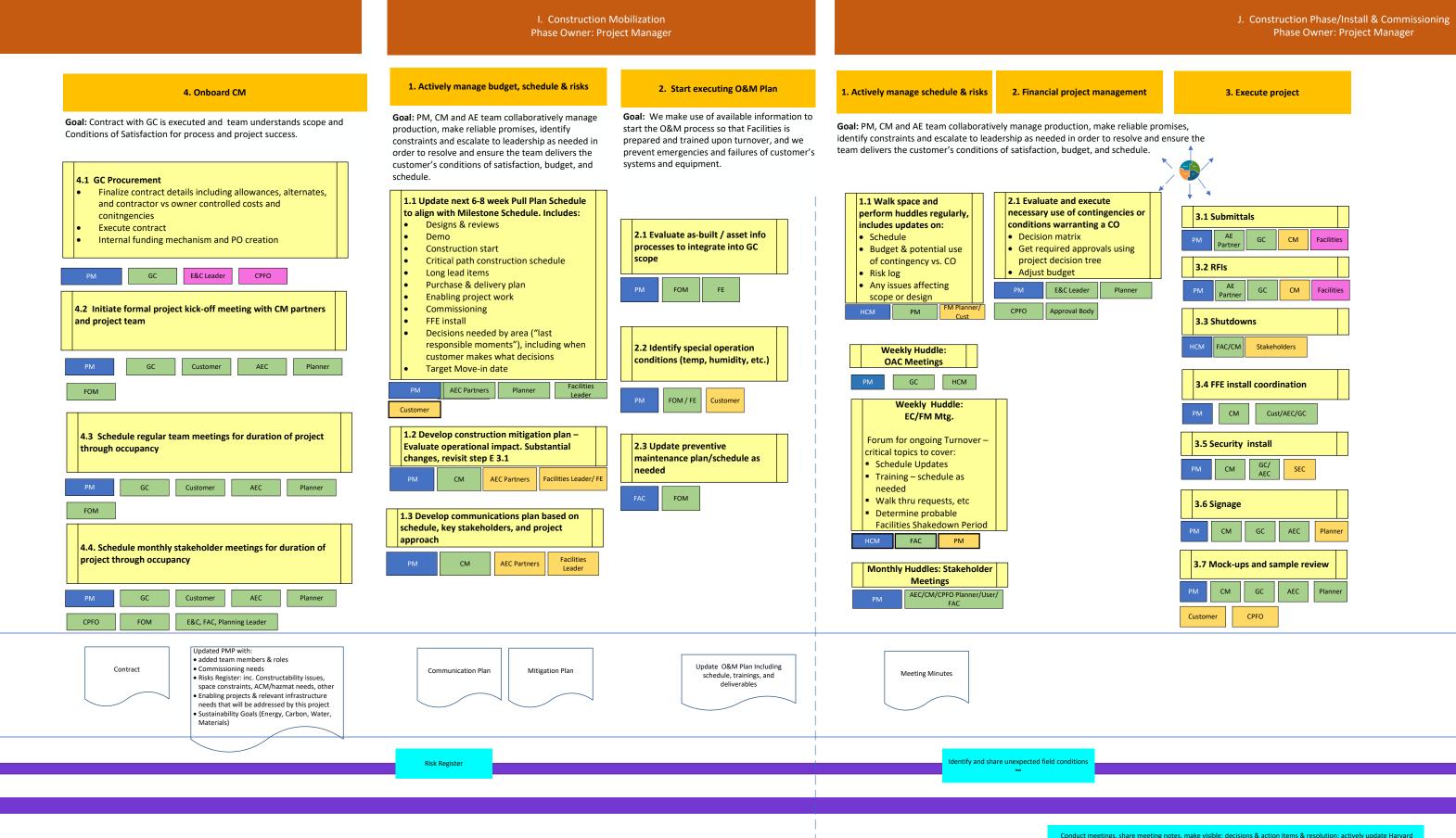
RFP (use standard template) with relevant information/packets

Architect/Engineer/ CM Interview/ Selection Report (use std template) on how/why chosen

Facilities Leader

Planning Leader

3.11 Notify CM Partners



central files (SharePoint) with critical project information and documents (e.g. pull from ProCore, Ebuilder, etc.)

