Massport Building Information Modeling (BIM) Roadmap

Managing MPA Infrastructure and Capital Investments

Massport will utilize BIM and related technologies to improve staff and end user productivity, design and build efficiency, decision-making, and project management.

As elements of these digital assets, Massport will maintain BIM/GIS and facility management systems that support BIM tools and processes, ensuring sustainability, environmental responsiveness, and improved processes to add value to managing the building lifecycle, and to aid Massport in better management of available funds based upon organizational missions and operational requirements.

### Goals, Actions & Outcomes

- Define BIM and Data Development to Manage and Maintain Facilities to Massport needs, assets, sustainability & longevity. 
- BIM Data Development & Project Management
- Implement BIMxP throughout the Process & Portfolio Management
- Requires Collaboration & Use of BIMxP in Portfolio Management

### Integrated Workplace Management System (IWMS)

- Capital Program – Sustain Asset Value & Capability
- Portfolios & Asset Management & Reporting
- Managing & Reporting on Performance & Experience
- Data Integration & Management

### Business Technology Standards

- BIM Server Reviews
- BIM Model Management
- Standardize BIM Strategies

### Institutionalize

- Level of Development (LOD)
- Model Development
- BIM Standardization
- Portfolio BIMs

### Technology Standards

- Massport BIMxP
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### 1. BIM Based Project Management & PM Training

- Utilize Maximo-Revit Link, MPA/COBIE Data Configuration, BIM360
- Collect Commissioning Data
- Review BIM Uses on Project

### 2. Optimize BIM to FM – Integrated Asset Management

- Determine Condition of Existing Data
- Reclassify Massport’s Projects
- Meet Massport’s Requirements

### 3. Enterprise Asset Management

- Online Asset Management System
- Manage and Maintain Facilities to Massport needs, assets, sustainability & longevity.
- Develop Checklists
- Use BIMxP Template
- Develop BIMxP Tools for Portfolio

### Facility Projects Types

- Facility Projects Types
- Portsmouth
- Terminal C-E Connector
- East Boston Shipyard Piers 1-6

### Tools

- AASHTO
- Design Technologies Integration Group
- CoS
- Documentation
--shopping, access, and transfer in BIMxP

### Outcomes

- Optimize BIM to FM – Integrated Asset Management
- Determine Condition of Existing Data
- Reclassify Massport’s Projects
- Meet Massport’s Requirements

### Current Data

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