MBTA Capital Delivery Department
Project Development Group (PDG) Process

July 17, 2019
Project Development Group (PDG) Outline

- MBTA Process Changes
- MBTA Project Reviews
- Project Development Group (PDG) – Who are they?
- PDG Process Overview - Purpose and Responsibilities
- PDG Process Milestones
- Q & A
Changes and Updates

OFFICE OF THE CHIEF ENGINEER - Infrastructure, Engineering and Planning

• Responsible for asset condition evaluation and capital improvement project programming
• Preliminary design to a level necessary to provide a comprehensive project program

PROJECT DELIVERABLE MILESTONES

• Old Deliverable Milestones: 15%/30%/60%/90%/100% (PS&E) – Six Milestone Submissions
• New Deliverable Milestones: 15%/30%/75%/100% (PS&E) – Five Milestone Submissions

MBTA INSURANCE PROVIDER

• Changed from FM Global to HDI Global Insurance Co, on March 1st 2019

• Fire loss prevention:
  - Stations
  - Maintenance and Storage Facilities
  - Facilities with transportation-relevant power stations
  - Transportation-relevant control rooms

• Natural Catastrophes (Nat-Cat):
  - Tunnels
    - Underground stations
    - Projects located in FEMA’s 100-year flood zone A and V
    - Underground pumping stations
**Value Engineering** - Performed at the 15% and/or 30% stages.

**Risk Analysis** - Performed at the 30% and 100% stages.

**Internal/External Force Account** - Performed at the 30%, 75% and 100% stages.

**Project Development Group (PDG)** - Performed at the 15%, 30%, 75% and 100% stages.

**Design Submittal Review** - Performed at the 15%, 30%, 75% and 100% stages.

**Peer Review** - Performed at the 75% and 100% stages.

**Constructability** - Performed at the 75% stage.

**Insurance Provider Review** - Identified at 30% and performed at 75%
Project Development Group (PDG) - Who Are They?

Senior managers/representatives from the various MBTA departments as established by the Office of the Chief Engineer (OCE).

- Capital Delivery
- Office of the Chief Engineer (OCE)
- Risk Management (insurance)
- QA/QC Department
- Project Controls
- Planning/Development Department
- Real Estate Department
- Engineering & Maintenance
- Signals Department
- Communication Department
- Maintenance of Way (MOW) Department
- Operations Support
- Power Division
- Building Division
- Environmental Affairs
- Bus Operations
- Safety Department
- System wide Security
- Subway Operations (GL, OL, BL and RL)
- Commuter Rail and Water Transportation
- Budget Department
- Marketing Department
- Government and Public Affairs
- Community Relations Department (CRD)
- Law Department
- Police Department
- AFC Department
- System wide Accessibility
PDG Process Overview

Project Development Group (PDG) Process - Occurs at the 15%, 30%, 75% and 100% stages

- Project Deliverable Review
- PDG Meetings

Project Development Group Responsibilities

- Provide direction to the Project Team regarding project Scope (@30%) and MBTA requirements.
- Assist the Project Team in identifying alternatives and solutions to design issues that affect MBTA maintenance and operations.
- Monitor progress in achieving MBTA design and/or operational goals.

Design Consultant/MBTA Project Manager PDG Responsibilities

- Notify the PDG when meetings are required.
- Present the project scope and progress.
- Identify major issues that potentially have a negative affect on cost, schedule, design, maintenance and/or operations.
- Address PDG comments and document outcome.
PDG Process Milestones

15% PDG MEETING - Conceptual Design
- Review project program options and recommendations
- Process Outcome - Direction for project team on project program

30% PDG MEETING - Preliminary Design
- Review project scope and budget. Does it support project program?
- Process Outcome - Direction for project team on scope and budget

75% PDG MEETING - Design Progress Review
- Review project design progress
- Process Outcome - Specific focus on resolution of prior PDG review comments and budget/scope concurrence

100% PDG MEETING - Overview of Project Design
- Final Project Review
- Process Outcome - Specific focus on resolution of prior PDG review comments
# PDG Calendar

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<th>2019</th>
<th>June</th>
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<tr>
<td><strong>MONDAY</strong></td>
<td><strong>TUESDAY</strong></td>
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<td>17 East Street Bridge Dedham - 15% PDG Meeting TO BE RESCHEDULED DUE TO BUNKER HILL DAY</td>
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**Notes:**

1. (TOD) Kenmore Sq North Development - 60/75% PDG Meeting TBD in June
2. (TOD) College Station - 90/100% PDG Meeting TBD in June (If needed, has license)
3. (TOD) Kendall Inbound - 90/100% PDG Meeting TBD in June
4. (TOD) 325 Main Street - Kendall Inbound - 90/100% PDG Meeting TBD in June
5. (TOD) Mattapan Station Development - 60/75% PDG Meeting TBD in June
6. (TOD) Backbay Station Concourse Improvements/Air Rights - 60/75% PDG Meeting TBD in June
7. (TOD) Roslindale Gateway Path - 60/75% PDG TBD Meeting
8. (TOD) 1 Kenmore Sq Redevelopment - 30% PDG Meeting TBD in June
Thank You

Questions and Answers