



**Massachusetts Bay
Transportation Authority**

**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



MBTA Project Reviews

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

2019		June				
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
27	28	29	30	31	01	02
03	04	05 Lechmere Viaduct Rehab -- 30% PDG Meeting 1:00- 2:00pm Capital Delivery CR# 5	06 (TOD) 90 Ocean Ave - 90/100% PDG Meeting 10:30-11:30am Capital Delivery CR #5	07	08	09
10	11	12 South Station, Harvard Sq, Backbay, Chinatown & Malden - 30% PDG Meeting 10:00am-12:00pm Capital Delivery CR#5	13	14	15	16
17 East Street Bridge Dedham - 15% PDG Meeting TO BE RESCHEDULED DUE TO BUNKER HILL DAY	18	19	20 SL - Courthouse St Waterproofing Repairs - 60/75% PDG Meeting 1:00-2:00pm Capital Delivery CR #5	21	22	23
24	25	26	27	28	29	30
01	02	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