

Construction Procurement Timeline:

Concept
Planning

(Variable Timeframe)

Design
Procurement

(11 - 12 Month Process)

Design

(Variable Timeframe)

Construction
Procurement

(7 - 9 Month Process)

Construction

(Variable Timeframe)

• Planning

➢ Conceptual Estimate and Schedule

• Preliminary Design & Design Reviews (15% & 30%)

➢ Preliminary Estimate

➢ Preliminary Schedule

• Permitting

• Real Estate/ROW

• Community Involvement

• Final Design & Design Reviews (60%, 90%, 100%)

➢ Develop Estimates

➢ Develop Construction Time Determination
Schedule

➢ Constructability Reviews

➢ Value Engineering Reviews

➢ Risk Analysis

• Bid Phase

• Construction Permitting

• Operational impact finalization

• Requests for Information

• Change Orders

• Beneficial Occupancy

• Substantial Completion

• Final Closeout

• Payments made against cost and resource loaded construction schedule and documented earned value



Procurement Reforms: Professional Services



- Performance of in house diagnostic of our procurement process, contracts actions process, and payments process.
 - The goal is to eliminate steps in the process (e.g. establishment of a contract signing meeting to expedite the approval process).
 - Eliminate redundant reviews
- Utilize currently awarded General Engineering (On-Call) Contracts to perform full designs
 - Current process limits GEC involvement to preliminary design stage
 - Evaluate potential for using MassDOT Master Service Agreements (MSAs)
- Develop ID/IQ (Indefinite Delivery / Indefinite Quantity) Contracts “House Doctor Contracts”
 - Builds upon recent MassDOT Master Service Agreements (MSA) reforms
 - Currently we have an Emergency Bridge Repair
 - Recommending adding:
 - Track Work Contract
 - Signal Work Contract
 - Facility Work Contract
 - Station Work Contract
 - Snow Removal Contract
 - Vehicle Engineering



Proposed Reforms: Project Procurements



- Amended state law allowing both MassDOT and the MBTA to use a common set of Alternative Project Delivery methods
- Specific reform request include:
 - Design-Build
 - CM@Risk



Accelerated Transit Program



- Accelerated MBTA infrastructure program similar to the MassDOT Accelerated Bridge Program
- Program would provide 8 to 10 years of sustained investment to address state of good repair and other critical infrastructure needs
- Establishment of a dedicated funding stream for specific use on a Accelerated Infrastructure Program similar to Accelerated Bridge Program

