



**Massachusetts Bay  
Transportation Authority**

# **MBTA Update American Council of Engineering Companies**

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Sam Zhou, Assistant General Manager & Chief Engineer

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# Trust in Collaboration

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- ACEC's members are **crucial partners** in delivering our capital program.



- We need your support to meet our system's needs.



- We trust you to be **responsible partners** on aligning design efforts with realistic funding.



# Infrastructure Needs at MBTA

- MBTA's overall Capital needs are estimated at \$24.5 B.
- We currently have only 1/3 of our assets in an SGR.
- Our needs span the entire system and all assets.

FIGURE 1. Summary of Assets Out vs In SGR

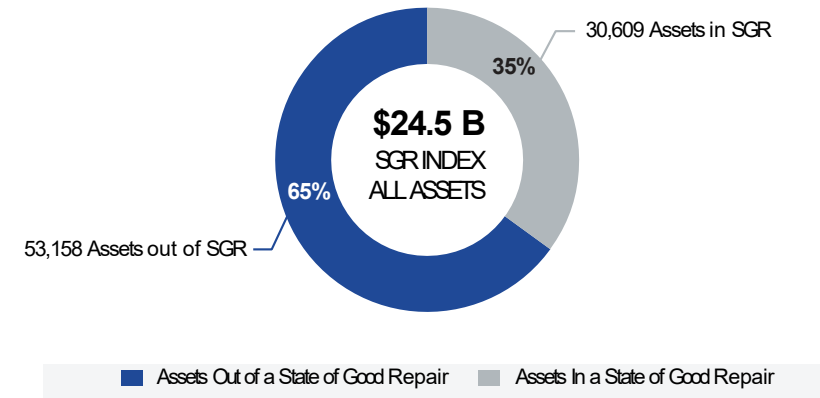
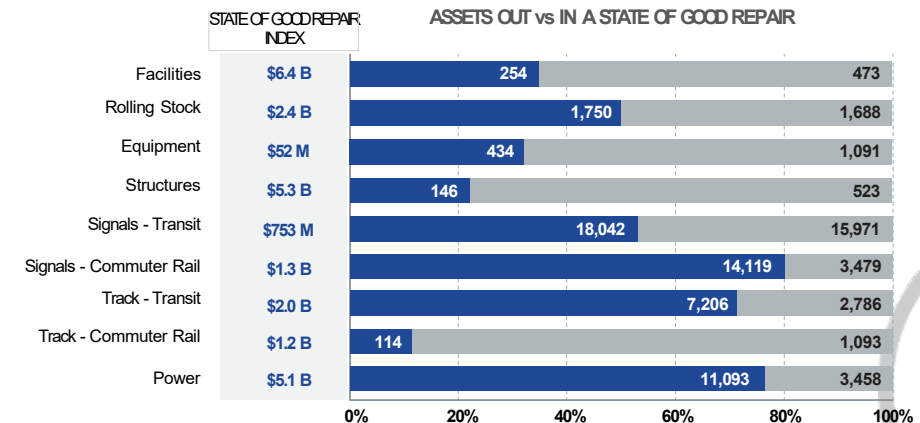


FIGURE 2. Summary of Assets Out vs In SGR By Functional Asset Class



# Climate Resiliency and Sustainability

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- Climate resiliency projects
- Battery Electric Buses
- Commuter Rail Electrification
- Facility upgrades



# Financial Reality

- MBTA's CIP for FY 25-29 is in final stages of development.
- MBTA faces a challenging revenue projection.
- Prioritization and **active resource management** are required.
- Focus on best use of funds.
- Define appropriate milestones for project delivery.
- Identifying the right level of design needed to be shovel-ready.



# Change of Mindset



- Some projects were advanced into the design phase under an unconstrained budget mentality.
- Some projects were initiated without commitments to construction funding, or without proper consideration for the optimal project delivery method.





**CHANGE**

## Adapting to Reality

- Moving forward, we are changing our approach.
- We cannot afford to design projects that we ultimately cannot fund for construction in the current funding horizon.
- Avoid limiting the procurement options.



# Openness to Feedback

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- Challenging circumstances
- Appreciate the understanding and continued partnership
- Welcome feedback





# Fiduciary Responsibility & Accountability

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- Our reality requires us to focus on “on-time” and “on-budget”
- We don’t have all the expertise - that is where our partnerships with expert consultants is crucial. Our ability to meet the MBTA’s needs relies on leveraging these experts on our behalf
- We also expect our partner to **act on our behalf** and share our mission. Consultants must fulfil their responsibility to the same goal.
- We will hold our partners accountable to their responsibility, as we hold ourselves



# Professional Services Advertisement to Award Process



# Professional Services: Advertisement to Award Process

ADVERTISE



Shortest Timeline: 19-20 Weeks

ADVERTISE



Longest Timeline: 36-37 Weeks

- Advertise
- **Qualifications Due:** 3-4 Weeks
- Shortlist: 1-2 Weeks
- **Proposal Due:** 3-4 Weeks
- Interviews: 2 Weeks
- **Selection Recommendation:** 1-2 Weeks
- Negotiation: 2-4 Weeks
- **Staff Summary Approval:** 2-8 Weeks
- Notice to Proceed: 1-7 Days
- **Pre-Audit:** 1-3 Weeks
- **Receive:** Countersigned NTP, Insurance Certificates, Consultant may Invoice
- **Execute Contract:** 4-6 Weeks



# Active Contracts

TYPE	# OF CONTRACTS	CEILING \$	COMMITTED \$
Project Specific Professional Services	49	\$ 753M	\$ 608M
GECs (Operating and Capital)	219	\$ 1.3B	\$ 734M
	<b>Grand Total:</b>	<b>\$ 2.1B</b>	<b>\$ 1.5B</b>

- *Some of these are 15-20 years old with continuous amendments*
- *We will shrink the list, and introduce more opportunities to bid*



# Upcoming Projects

*We currently have 22 contracts slated to let:*

Technical Support  
Services for System-  
Wide Accessibility  
•(QPBS)

Widett Circle Layover  
(0-15%)

GL Reservoir VMF  
Upgrade

Engineering and Design  
Consulting Services for  
B Branch  
Segment 1  
Modernization Project

Airport Portal Flood  
Protection

Draw 1 PM/CM

Railroad Operations  
Rochester Facilities GEC



Railroad Operations  
Mechanical GEC



General Design and  
Consulting Services  
•(Brooks Act)

GEC for Design and  
Construction Phase  
Services  
•(Non-Brooks Act)



Systemwide Tunnel  
Inspection

PM/CM Lynn Program

Security GEC  
•(QPBS)



Lake St. Configuration

Rail GEC  
•(QPBS)



Bus GEC  
•(QPBS)



Rapid Transit Tunnel  
Lighting Upgrades

Rapid Transit Rail  
Fastener Upgrades  
Assessment

Project Controls GEC  
•(QPBS)



Safety Code Consulting  
•(QPBS)

Fire Alarm and Fire  
Protection Systems  
Assessment, Design  
and Commissioning

Engineering and  
Program Management  
Services for the Multi-  
Mode Locomotive



**Thank you!**

