



**Massachusetts Bay
Transportation Authority**

**Engineering Services for the Type 8
Reliability Improvement Project**

May 8, 2017



Type 8 Reliability Improvement Program

Green Line Type 8 Vehicle:

- **In March 1999 the MBTA introduced 95 Type 8 Low Floor Vehicles produced by AnsaldoBreda.**
- **A capital program is needed to improve reliability of the Type 8 vehicles until a new Type 10 fleet is procured.**

Type 8 Reliability Program Overview:

- **Analyze Type 8 Fleet Performance**
- **Define and Test Corrective Measures**
- **Develop Reliability Improvement Program**



Type 8 Reliability Improvement Program

- A MBTA contract was awarded to LTK Engineering Services with notice to proceed on October 9, 2013 after a competitive selection process.
- At the time of award \$11.75 million was made available to the most critical reliability improvements for this project.
- Capital funding is now available for the full reliability improvement for the Type 8 Fleet (\$66 million).
- Authorization of this amendment funds the balance of design work procured in 2013 for reliability improvements.

MBTA Contract X29PS01 Base Contract Not to Exceed Value: \$1,189,532

MBTA Contract X29PS01 Amendment 1 Not to Exceed Value: \$3,998,138

MBTA Contract X29PS01 Total Value after Amendment 1: \$5,187,670



Amendment 1 - Scope

- Engineering Services Scope of Reliability Assessment of Type 8 Light Rail Fleet
- Recommendation of Fleet Reliability Modification
- Modification Prototyping and Industrial Program Planning
- Program Planning
- Project Quality Assurance
- Warranty Administration
- Follow-Up Technical and Technical Supervision
- Program Administration

