



Massachusetts Bay Transportation Authority

Bus Overhaul Program

**RFP No. 12-16 Recommended Award for Overhaul of
155 Emission Controlled Diesel (ECD) Buses**

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MBTA Bus Fleet Planning Strategy

MBTA Bus Fleet planning strategy has identified the 155 New Flyer Bus Overhaul Program as a priority to maintain revenue service needs and improve vehicle reliability.

- The 155 New Flyer Bus Overhaul Program aligns with the Integrated Fleet and Facilities Plan (“IFFP”) currently being finalized by key Senior MBTA Management and Stakeholders.
- Midlife overhaul programs, which include rebuild of engines and transmissions are essential to extending the service life for buses beyond the 12-year FTA required life expectancy.
- Continued growth and maintaining a state of good repair for the MBTA’s Bus Fleet is dependent upon these type of bus overhaul programs.
- Additionally, utilizing a bus overhaul strategy enables the Authority to initiate continuous annual procurements of new buses at a rate of approximately 100 – 120 buses to avoid bulk purchasing and decommissioning of buses.



Procurement and Logistics

Proposed Contract Award:

- Overhaul of 155 Forty Foot Emission Controlled Diesel (ECD) Buses purchased in 2008 – 2009 from New Flyer Industries we will **request FMCB approval for the award of RFP No. 12-16 to Midwest Bus Corporation in the not to exceed amount of \$40,074,090. (Details on Page 4).**

Procurement – Best Value Procurement Process:

- The MBTA issued Request for Proposal (RFP) No. 12-16 on August 12, 2016.
- Pre-Proposal Meeting and Bus Inspection was held on August 31, 2016. Six (6) prime contractors were present.
- Two (2) proposals, from Midwest Bus Corporation (MBC) and Northeastern Bus Rebuilders (NEBR), were received on November 23, 2016.

Technical Evaluation:

- Technical review of the proposals indicated both Proposers were qualified and capable to perform the bus overhaul work required.

Best and Final Offer (BAFO):

- Best and Final Offer (BAFO) was requested and negotiations/interviews were conducted with each Proposer to finalize technical proposals and pricing.

DBE Participation:

The DBE participation goal was met by each Proposer.



Overhaul Program Work Scope and Timeline

These 8 – 9 year old buses require overhaul of major systems and components to ensure continued reliable and safe operations and to meet FTA service life requirements.

Work Scope:

- Repair and/or replacement of the following major systems and components:
 - Remanufactured Cummins ISL engine and Allison transmission
 - New electrically driven engine cooling system
 - New ADA wheelchair ramp
 - Axles, brakes, and suspension overhaul
 - HVAC reconditioning
 - Body / side impact panel repair and refinishing
 - New LED lighting



Contractor Timeline:

- Pilot bus delivery to occur no later than 18 weeks from Contractor Notice-to-Proceed.
- Serial production delivery of 2 – 3 buses per week, with all 155 buses delivered no later than 87 weeks from Notice-to-Proceed.
- *With an anticipated Contractor Notice-To-Proceed of September 2017, estimated overhaul completion of all 155 buses is expected by Summer 2019.*



Recommended Award: Midwest Bus Corporation

Following negotiations and receipt of the Best and Final Offers, Midwest Bus Corporation's Proposal was determined to be the best value to the Authority.

- Midwest Bus Corporation (MBC) has successfully completed six (6) prior bus overhaul programs (over 600 buses) with the Authority.
 - Recently, MBC completed the overhaul of 192 Neoplan ECD buses, currently operating out of Albany and Fellsway maintenance facilities.
- The Authority is satisfied with MBC's management team, production performance, and quality of work performed at MBC's Owosso, MI facility.
- In line with our recommendation, **we request the Fiscal and Management Control Board approve the award of RFP No. 12-16 to Midwest Bus Corporation in the not to exceed amount of \$40,074,090.**
- A Total Project Budget of \$42,214,181., including MBC's base Contract Award, Professional Services, Indirect Costs, Force Account, and Contingency has been identified – MBTA Revenue Bond.



Backup -- Midwest Bus Corporation Recent MBTA Projects

Midwest Bus Corporation has completed six bus fleet midlife overhaul projects for the MBTA in line with the Technical Specification and Contractual requirements.

Bus Fleet	Contract Amount	Final Bus Delivered
80 GM Buses	\$5.2M	November 1992
14 RTS 04 Buses	\$9.09M	June 1994
90 RTS 06 Buses	\$8.3M	January 2001
125 Nova 40' Diesel	\$17.5M	December 2005
123 NABI 40' CNG	\$27.1M	March 2011
192 Neoplan 40' ECD	\$31M	July 2015