

Massachusetts DOT Zero Emission Vehicles



Client

Massachusetts Department of Transportation
(MassDOT)

Facts

Period 2018

Project Country United States

EDR Group (now EBP) conducted an analysis to assess the feasibility of deploying new DC fast-charging stations on MassDOT property to support long-distance travel for zero-emissions vehicles (ZEVs) across Massachusetts.

The study included an assessment of the electric vehicle market in Massachusetts and the identification of future scenarios for DCFC infrastructure demand using a fleet evolution model to estimate energy needs. Later tasks focused on major travel corridors that long-distance travel, including work to:

1. Assess the appropriate level of investment from MassDOT to support ZEV market growth;
2. determine where MassDOT can potentially fill gaps in the existing fast-charging system for long-distance ZEV charging along major travel corridors;
3. prioritize over 350 MassDOT sites based on suitability for hosting fast-charging stations; and
4. estimate costs for deploying fast-charging stations at the best-suited sites.

Contact Persons



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