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## Boston Logan RNAV (GPS) RWY 4L Final Environmental Assessment

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## Acronyms

°F	Fahrenheit
1MA5	Unnamed Southborough Airfield
1B9	Mansfield Municipal Airport
28M	Cranland Airport
AAR	Airport Arrival Rate
ACK	Nantucket Airport
AEDT	Aviation Environmental Design Tool
AFE	Above Field Elevation
AGL	Above Ground Level
APE	Area of Potential Effects
ASDE	Airport Surface Detection Equipment
ATAP	ASDE-X Taxiway Arrival Prediction
ATC	Air Traffic Control
ATCT	Air Traffic Control Tower
BOS	Boston Logan International Airport
CAA	Clean Air Act
CATEX	Categorical Exclusion
CEQ	Council on Environmental Quality
CH <sub>4</sub>	Methane
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2e</sub>	Carbon Dioxide Equivalents
DA	Decision Altitude
Db	Decibel
DNL	Day-Night Average Sound Level
DOD	Department of Defense
DOT	Department of Transportation
EA	Environmental Assessment
EJ	Environmental Justice
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
IAF	Initial Approach Fix
IAP	Instrument Approach Procedure
IER	Initial Environmental Review
ILS	Instrument Landing System
IMC	Instrument Meteorological Conditions
INM	Integrated Noise Model
IPaC	Information for Planning and Consultation
FAF	Final Approach Fix
FICON	Federal Interagency Committee on Noise
FICUN	Federal Interagency Committee on Urban Noise
FMS	Flight Management System
GHG	Greenhouse Gas
GHG	Marshfield Municipal Airport – George Harlow Field
GPA	Glide Path Angle
GPS	Global Positioning System
GSA	General Study Area
HFC	Hydrofluorocarbons
HHS	Department of Health and Human Services
HUD	Housing and Urban Development
HYA	Barnstable Airport
LOC	Localizer
LNAV	Lateral Navigation

<b>LPV</b>	Localizer Performance with Vertical Guidance
<b>MA6</b>	Monponsett Pond Seaplane Base
<b>MA63</b>	Sherman-Private Airport
<b>MA64</b>	Pheasant Field Airport
<b>MA70</b>	Sudbury Airport
<b>MassGIS</b>	Bureau of Geographic Information for the state of Massachusetts
<b>Massport</b>	Massachusetts Port Authority
<b>MBTA</b>	Massachusetts Bay Transportation Authority
<b>MBTA</b>	Migratory Bird Treaty Act
<b>MCAC</b>	Massachusetts Community Advisory Community
<b>MDA</b>	Minimum Descent Altitude
<b>MESA</b>	Massachusetts Endangered Species Act
<b>MHC</b>	Massachusetts Historical Commission
<b>MIT</b>	Massachusetts Institute of Technology
<b>MOU</b>	Memorandum of Understanding
<b>MSL</b>	Mean Sea Level
<b>MVY</b>	Martha's Vineyard Airport
<b>NAA</b>	Nonattainment Areas
<b>NAAQS</b>	National Ambient Air Quality Standards
<b>NAS</b>	National Airspace System
<b>NEPA</b>	National Environmental Policy Act
<b>NHPA</b>	National Historic Preservation Act
<b>NM</b>	Nautical Mile
<b>NRHP</b>	National Register of Historic Places
<b>NO<sub>x</sub></b>	Oxides of Nitrogen
<b>OpsNet</b>	Operations and Performance Data
<b>OTR</b>	Ozone Transport Region
<b>OWD</b>	Norwood Memorial Airport
<b>O<sub>3</sub></b>	Ozone
<b>PBN</b>	Performance Based Navigation
<b>Pb</b>	Lead
<b>PFC</b>	Perfluorocarbons
<b>PM<sub>2.5</sub></b>	Particulate Matter Less Than or Equal to 2.5 Microns in Diameter
<b>PM<sub>10</sub></b>	Particulate Matter Less Than or Equal to 10 Microns in Diameter
<b>RNAV</b>	Area Navigation
<b>RNP</b>	Required Navigation Performance
<b>RWY</b>	Runway
<b>SIP</b>	State Implementation Plan
<b>SF<sub>6</sub></b>	Sulfur Hexafluoride
<b>SO<sub>x</sub></b>	Oxides of Sulfur
<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>SOIA</b>	Simultaneous Offset Instrument Approach
<b>TARGETS</b>	Terminal Area Route Generation Evaluation and Traffic
<b>TRACON</b>	Simulator Terminal Radar Approach Control Facility
<b>USFWS</b>	United States Fish and Wildlife Service
<b>VA</b>	Veterans Administration
<b>VMC</b>	Visual Meteorological Conditions
<b>VNAV</b>	Vertical Navigation
<b>VOCs</b>	Volatile Organic Compounds
<b>WAAS</b>	Wide Area Augmentation System