

MBTA Acronyms

Acronym	Description
3-C	Continuing, Cooperative and Comprehensive Planning Process
AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials
ABS	Automatic Block Signaling
AC	Alternating Current
ACEC	Areas of Critical Environmental Concern
ACEC	American Council of Engineering Companies
ACGIH	American Conference of Governmental Industrial Hygienists
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic (or Average Daily Trips)
AGM	ASSISTANT GENERAL MANAGER
AHJ's	Authority Having Jurisdiction
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ALI	Activity Line Item
Amp	Ampere
AMPO	Association of Metropolitan Planning Organizations
ANRAD	Abbreviated Notice of Resource Area Delineation
ANSI	American National Standards Institute
APA	American Planning Association
APA	American Plywood Association (formerly Douglas Fir Plywood Association)
APE	Area of Potential Effect
APE	Advanced Preliminary Engineering
APS	Auxiliary AC Power Supply
APTA	American Public Transportation Association
AREA	American Railway Engineering Association (formerly ARA)
AREMA	American Railway Engineering and Maintenance-of-Way Association
ASA	American Standards Association
ASHRAE	American Society of Heating, Refrigeration and Air Conditioning Engineers
ASI	Automatic Station Identification
ASIC	Application Specific Integrated Circuit
ASME	American Society of Mechanical Engineers
ASNT	American Society for Non- Destructive Testing
ASQ	American Society for Quality
ASTM	American Society for Testing and Materials

Acronym	Description
ATA Air	Transport Association of America
ATP	Automatic Train Protection
AUL	Activity Use Limitation
AVI	Automatic Vehicle Identification
AVL	Automatic Vehicle Location
AW0	Empty Car Ready to Run Weight
AW1	Car With Full Seated Load plus operator
AW2	Car With Full Seated Load plus operator and Standing Load
AW3	Car With Crush Load
AWG	American Wire Gauge
AWS	American Welding Society
ASTM	American Society for Testing and Materials
AUL	Activity Use Limitation
BLC	Boston Landmarks Commission
BLS	Bureau of Labor Statistics
BMP	Best Management Practice
BMS	Bridge Management System
BOL	Bills of Lading
BRT	Bus Rapid Transit
BTS	Bureau of Transportation Statistics
BWSC	Boston Water & Sewer Commission
C	Degrees Centigrade
C	Capacitance
C	Degrees Centigrade
C of O	Certificate of Occupancy
CA	Contract Administration
CA	Contractor Administrator
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAD	Computer Aided Design
CAS	Collision Avoidance System
CDR	Critical Design Review
CDRL	Contract Data Requirements List
CE	Categorical Exclusions
CEMR	Comprehensive Effects and Mitigation Report
CERCLIS	Compensation and Liability Information System
CFR	Code of Federal Regulations
CIC	Change in Contract
CIP	Capital Investment Program
CMAQ	Congestion Mitigation and Air Quality Program

Acronym	Description
CM-GC	Construction Manager-General Contractor
CMP	Conservation Management Practice
CMR	Code of Massachusetts Regulations
CMR	Construction Manager at Risk
CMS	Congestion Management System
CMS	Capital Management System
CNG	Compressed Natural Gas
CO	Carbon Monoxide
CO	Change Order
CO	Contracting Officer
COG	Council of Governments
COMTO	Conference of Minority Transportation Officials
CORI	Criminal Offender Record Information
CPC	Construction Project Controls
CPER	Contractor/Consultant Performance Evaluation Rating
CPI	Cost Performance Index
CPM	Critical Path Method (pertaining to scheduling)
CPMR	Construction Progress Monitoring Report
CPO	Capital Program Oversight
CPO*	Chief Procurement Officer
CQV	Construction Quantity Variances
CSI	Construction Specifications Institute
CSX	CSX Corporation
CT	Contract Team
CTD	Construction Time Determination
CTPS	Central Transportation Planning Staff
CZM	Massachusetts Office of Coastal Zone Management
DB	Design Build
dB	Decibel
dBA	Decibel, A Scale Reading
DBB	Design Bid Build
DBDD	Data Base Design Description
DBE	Disadvantaged Business Enterprise
DBELO	DISADVANTAGED BUSINESS ENTERPRISE LIASON OFFICER
dc	Direct Current
DEA	Draft Environmental Assessment
DEIR	Draft Environmental Impact Report
DEIS	Draft Environmental Impact Statement
DEP	Massachusetts Department of Environmental Protection
DMU	Diesel Multiple Unit

Acronym	Description
DOT	Department of Transportation
DPL	Division of Professional Licensure
DPS	Department of Public Safety (Massachusetts)
DPU	Department of Public Utilities
DTE	Department of Telecommunications and Energy (formerly DPU), Commonwealth of Massachusetts
DTX	Downtown Crossing
EA	Environmental Assessment
ECD	Emission Controlled Diesel Buses
ECR	Engineering Change Request
ECU	Electronic Control Unit
EIA	Electronic Industries Association
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EJ	Environmental Justice
EMC	Electromagnetic Compatibility
EMCP	Electromagnetic Compatibility Plan
EMI	Electromagnetic Interference
EMMP	Excavated Materials Management Plan
ENF	Environmental Notification Form
EON	Explanation of Necessity
EOR	Engineer of Record
EOT	Massachusetts Executive Office of Transportation
EOT	Extension of Time
EPA	Environmental Protection Agency
EPH	Extractable Petroleum Hydrocarbon
EV	Earned Value (REPORTING REQUIREMENTS IN DESIGN COSTS)
EWOL	Extra Work Order Letter
F	Degrees Fahrenheit
FAA	Federal Aviation Administration
FAI	First Article Inspection
FAR	Federal Acquisition Regulation
FASCE	Fellow of the American Society of Civil Engineers
FCC	Federal Communications Commission
FDA	Federal Drug Administration
FEIR	Final Environmental Impact Report
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FMECA	Failure Modes and Effects and Criticality Analysis

Acronym	Description
FMI	Field Modification Instruction
FMVSS	Federal Motor Vehicle Safety Standards
FONSI	Finding of No Significant Impact
FP	FIXED PRICE (PERTAINING TO A UNIT OF MEASUREMENT)
FPR	Federal Procurement Regulations
FRA	Federal Railroad Administration
FRB	Failure Review Board
FRP	Fiberglass Reinforced Plastic
FTA	Federal Transit Administration
FY	Fiscal Year
GIS	Geographic Information Systems
GLTP(S)	Green Line Train Protection (System)
GLX	Green Line Extension
GMP	GROSS MAXIMUM PRICE
GMP	Guaranteed Maximum Price
GPS	Global Positioning Systems
HDDR	High Density Data Radio
HDIS	High Density Interlocking Signal System
HMI	Human Machine Interface
HMI	Human Machine Interface
HMMP	Hazardous Materials Management Plan
HOV	High-Occupancy Vehicle
HSLA	High Strength Low Alloy (Steel)
HSR	High-Speed Rail
Hz	Hertz
I/M	Inspection and Maintenance
I/O	Input/Output
IC	Integrated Circuit
ICC	Interstate Commerce Commission
ICD	Interface Control Document
ICE	Independent Cost Estimate
ICEA	Insulated Cable Engineers Association
IEC	International Electrotechnical Committee
IEEE	Institute of Electrical and Electronic Engineers
IHS	Interstate Highway System
IM	Interstate Maintenance
IPC	Institute of Printed Circuits
IPCEA	Insulated Power Cable Engineers Association
IPDR	In Process Design Review
IPS	Iron Pipe Size

Acronym	Description
IRA	Immediate Response Actions
ISO	International Standards Organization
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
ITS	Intelligent Transportation Systems
JD	Jurisdictional Determination
JIC	Joint Industrial Council
kHz	Kilohertz
LAHT	Low Alloy High Tensile Strength (Steel) (same as HSLA)
lb	Pounds
lbf	Pounds force
LEAD	Logistics Engineering Advanced Development
LED	Light Emitting Diode
LEDPA	Least Environmentally Damaging Practicable Alternative
LEED	Leadership in Energy and Environmental Design
LIRR	Long Island Rail Road
LLRU	Lowest Level Replaceable Unit
LNAPL	light non-aqueous phase liquid
LOI	Letter of Interest
LOI	Letter of Intent
LONP	Letter of No Prejudice
LOS	Level of Service (traffic flow rating)
LRA	Limited Removal Actions
LRT	Light Rail Transit
LRTP	Long-Range Transportation Plan
LRU	Line Replaceable Unit
LRV	Light Rail Vehicle
LSP	Licensed Site Professional
LTBI	Location to be Investigated
LVDB	Low Voltage Distribution Bus
LVDN	Low Voltage Distribution Network
LVPS	Low Voltage dc Power Supply
LSP	Licensed Site Professional
LTBI	Location to be Investigated
M&O	Management and Operations
MAAB	MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (OF REGULATIONS)
MAP-21	Moving Ahead for Progress in the 21st Century Act (P.L. 112-141),
MAS	Maximum Allowable Speed
MassDOT	Massachusetts Department of Transportation
MassGIS	Massachusetts Geographic Information System
MBCR	Massachusetts Bay Commuter Railroad

Acronym	Description
MBTA	Massachusetts Bay Transportation Authority
MC	Master Controller
MCP	Massachusetts Contingency Plan
MDBF	Mean Distance Between Failures
MDBTD	Mean Distance Between Train Delay
MEC	Massachusetts Electric Code
MEPA	Massachusetts Environmental Policy Act
MGL	Massachusetts General Law
MHC	Massachusetts Historical Commission
MHD	Massachusetts Highway Department
MHz	Megahertz
MIL	Military Specification
MIS	Major Investment Study
MOA	Memorandum of Agreement
MOS	Minimum Operable Segment
MOU	Memorandum of Understanding
mph	Miles Per Hour
mphps	Miles Per Hour Per Second
mphpsps	Miles Per Hour Per Second Per Second
MPO	Metropolitan Planning Organization
MRL	Machine Room Less (elevators)
Ms	Millisecond
MSA	Metropolitan Statistical Area
MTBF	Mean Time Between Failures
MTP	Metropolitan Transportation Plan
MTTR	Mean Time To Repair
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NAPL	Non-Aqueous Phase Liquid
NARC	National Association of Regional Councils
NBS	National Bureau of Standards
NCA	Noise Criterion, Alternate
NEC	National Electrical Code
NEC	Northeast Corridor
NEMA	National Electrical Manufacturers' Association
NEPA	National Environmental Policy Act of 1969
NESC	National Electric Safety Code
NFPA	National Fire Protection Association
NHESP	Natural Heritage Endangered Species Program
NHI	National Highway Institute

Acronym	Description
NHPA	National Historic Preservation Act
NHS	National Highway System
NIST	National Institute for Standards and Technology
NOI	Notice of Intent
NPL	National Priorities List
NRCS	National Resources Conservation Service
NTI	National Transit Institute (FTA related training through Rutgers University)
NTP	Notice to Proceed
NWI	National Wetlands Inventory
OCC	Operations Control Center
OCS	Overhead Contact System
OEM	Original Equipment Manufacture
OET	Office of Engineering and Technology
OHM	Oil and Hazardous Materials
OPSI	Massachusetts Office of Public Safety and Inspections
OSD	Office of Supplier Diversity (Commonwealth of Mass.)
OTM	Other Track Materials
PAH	Polycyclic Aromatic Hydrocarbon
PC	Printed Circuit
PCB	Polychlorinated Biphenyl
PCM	PROJECT CONTROLS MANUAL
PCO	Proposed Change Order
PCU	Pneumatic Control Unit
PDG	Project Development Group
PDR	Preliminary Design Review
PE	Preliminary Engineering
P.E.	Principal Engineer
PESA	Phase I Environmental Site Assessment
PHA	Preliminary Hazard Analysis
PHL	Preliminary Hazard List
PI	Project Initiation
PIV	Peak Inverse Voltage
PL	Planning Funds
PM	Particulate Matter
PM	Project Manager
PMCG	Proposed Modification and Clarification Guidelines
PMM	PROJECT MANAGER MANUAL
PMOC	FTA Project Management Oversight Contractor
PMP	Project Management Plan
PMP	Preventive Maintenance Procedures

Acronym	Description
ppm	Parts per Million
PRCS	PREBID REVIEW CONTROL SHEETS (PM CHECK LIST)
PROMS	Programmable Read
PROMS	Programmable Read Only Memories
PS&E	Plans Specifications & Estimates
PSE	Pre-Shipment Schedule
psi	Pounds Per Square Inch
PSI	Pre-Shipment Inspection
psi	Pounds Per Square Inch
PSR	Procurement System Review
PSR	PROJECT STATUS REPORTS (HAS BEEN REPLACED WITH AGM REPORTS)
PTC	Positive Train Control
PTE	Portable Test Equipment
QA	Quality Assurance
QAPP	Quality Assurance Program Plan
QA/QC	Quality Assurance/Quality Control
RAILSIM	RAILSIM Simulation Software Suite (Systra)
RAM	Random Access Memory
RAM	Release Abatement Measure
RAO	Response Action Outcome
R-C	Resistive -Capacitive
RCRA	Resource Conservation and Recovery Act
RDP	Reliability Demonstration Plan
REC	Recognized Environmental Conditions
RFI	Radio Frequency Interference
RFI	Request for Information
RFP	Request for Proposals
RFQ	Request for Qualifications
RH	Relative Humidity
RIP	Remedy Implementation Plan
RNF	Release Notification Form
rms	Root Mean Square
RMSH	Reliability, Maintainability, Safety and Human Factors
RNF	Release Notification Form
ROD	Record of Decision
ROM	Read- Only Memory
RON	Record of Negotiation
ROW	Right of Way
RPA	Regional Planning Agency

Acronym	Description
rpm	Revolutions Per Minute
RR	Railroad
RR	Risk Register (requirement of MBTA design contracts)
RWP	Right of Way Worker Protection
S/N	Signal To Noise
SAE	Society of Automotive Engineers
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SCA	Safety Compliance Assessment
SCC	Standard Cost Category
SCS	Soil Conservation Service
SDD	Software Design Description
SDO	Supplier Diversity Office
SDDO	Supplier Diversity & Development Office (MassDOT)
SEMP	Strategic Environmental Management Plans
SFD	System Functional Description
SHA	System Hazard Analysis
SHPO	State Historic Preservation Office
SIB	State Infrastructure Bank
SIC	Standard Industrial Code, U.S. Department of Labor
SIP	State Implementation Plan
SMR	Service, Maintenance & Reliability Program
SOMWBA	Supplier Diversity Office, formerly known as State Office of Minority and Women Business Assistance/Commonwealth of Massachusetts
SOP	Standard Operating Procedure
SOQ	Statement of Qualifications
SOV	Single-Occupancy Vehicle
SPMP	Software Project Management Plan
SPR	State Planning and Research Funds
SRPEDD	Southeastern Regional Planning and Economic Development District
SRS	Software Requirements Specification
SRTM	Software Requirements Traceability Matrix
SSP	System Safety Program
SSP	System Safety Program
SSPP	System Safety Program Plan
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
STP	Software Test Plan
STPP	Surface Transportation Policy Project
STPr	Software Test Procedure
STR	Software Test Report

Acronym	Description
STURAA	Surface Transportation and Uniform Relocation Assistance Act
SUM	Software User Manual
SWA	Systemwide Accessibility (MBTA Department)
SWPPP	Storm water Pollution Prevention Plan
T & M	TIME & MATERIAL
TAC	Technical Advisory Committee
TAZ	Traffic Analysis Zone
TCM	Transportation Control Measure
TDD	Telecommunication Device for the Deaf
TDM	Transportation Demand Management
TDP	Transit Development Program
TEA-21	Transportation Equity Act for the 21st Century
TET	Technical Evaluation Team
TFCW	Train Forward Collision Warning System
TIA	Time Impact Analysis
TIAS	Traffic Impact and Access Study
TIFIA	Transportation Infrastructure Finance and Innovation Act of 1998
TIP	Transportation Improvement Program
TMA	Transportation Management Area
TMIP	Travel Model Improvement Program
TOD	Transit-Oriented Development
TOR	Top of Rail
TOV	Total Organic Vapor
TRB	Transportation Research Board
TSC	Transportation Systems Center, DOT
TSCA	Toxic Substance Control Act
TSM	Traffic Systems Management
TSO	Temporary Slow Orders
UCL	Upper Concentration Limit
UGB	Urban Growth Boundary
UL	Underwriters Laboratories Inc.
UMTA	Urban Mass Transportation Administration, United States Department of Transportation (now FTA)
UNC	Unified National Course
UNF	Unified National Fine
UPWP	Unified Planning Work Program
US	United States
USACE	United States Army Corps of Engineers
USASI	United States of America Standards Institute
USDOT	United States Department of Transportation

Acronym	Description
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
USPHS	United States Public Health Service of the United States Department of Health and Human Services
UST	Underground Storage Tank
UV	Ultraviolet
VAC	Volts, Alternating Current
VAST	Vulnerability Assessment Scoring Tool
Vdc	Volts, Direct Current
VE	Value Engineering
VE*	Vehicle Engineering
VERC	Value Engineering Review Committee
VIC	International Union of Railways
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound
VPD	Vehicles Per Day
VPH	Volatile Petroleum Hydrocarbon
w	Watt
WBS	Work Breakdown Structure
WIM	Wayside Interface Module
WPA	Wetlands Protection Act
WPS	Weld Procedure Specifications
WWP	Way Worker Protection