

# ACRONYMS AND ABBREVIATIONS

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AADT	Annual Average Daily Traffic
AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials
ACHP	Advisory Council on Historic Preservation
ACS	American Community Survey
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic
APE	Area of Potential Effect
APTA	American Public Transportation Association
AQI	Air Quality Index
AREMA	American Railway Engineers and Maintenance of Way Association
ARPA	Archaeological Resources Protection Act
ARRA	American Recovery and Reinvestment Act of 2009
ATC	Automatic Train Control
ATR	Above Top of Rail
BBR	Buckingham Branch Railroad
BMP	Best Management Practices
BOD	Basis of Design
BOD	Biological Oxygen Demand
BRT	Bus Rapid Transit
BTU	British Thermal Units
CAA	Clean Air Act of 1970
CAAA	Clean Air Act Amendments
CBD	Central Business District
CBPA	Chesapeake Bay Preservation Act
CD	Collector-Distributor

CEDAR	Comprehensive Environmental Data and Reporting System
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CFS	Cubic Feet per Second
CFR	Code of Federal Regulations
CH <sub>4</sub>	Methane
CLOMR	Conditional Letter of Map Revision
CLRP	Constrained Long Range Plan
CNE	Common Noise Environment
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
COI	Compounds of Interest
COG	Council of Governments
CP	Control Point
CRMP	Virginia Coast Resources Management Program
CSS	Cab Signal System
CSXT	CSX Transportation (Railroad Company)
CTC	Centralized Traffic Control
CTB	Commonwealth Transportation Board
CTP	Comprehensive Transportation Plan
CU	Cataloging Unit
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
CZMP	Coastal Zone Management Plan
dB	Decibel
dBA	Decibels (A-weighted scale)
DC2RVA	Washington, DC to Richmond High Speed Rail Project
DDOT	District of Columbia Department of Transportation

DHR	Virginia Department of Historic Resources
DPU	City of Richmond Department of Public Utilities
DRPT	Virginia Department of Rail and Public Transportation
EA	Environmental Assessment
ECG	East Coast Greenway
EDR	Environmental Data Resources
EIS	Environmental Impact Statement
EJ	Environmental Justice
EMS	Emergency Medical Service
EO	Executive Order
EPA	United States Environmental Protection Agency
ERNS	Emergency Response Notification System
ES	Engineering Stationing
ESA	Endangered Species Act
ESC	Erosion and Sediment Control
ESRI	Environmental Science Research Institute
FAA	Federal Aviation Administration
FAMPO	Fredericksburg Metropolitan Planning Organization
FAQ	Frequently Asked Question
FAST	Fixing America's Surface Transportation Act
FCCA	Fairfax County Park Authority
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide, & Rodenticide Act
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
FIRM	Flood Insurance Rate Maps
FONSI	Finding of No Significant Impact
FPPA	Farmland Protection Policy Act
FRA	Federal Railroad Administration

FSC	Federal Species of Concern
FTA	Federal Transit Administration
FUDS	Formerly Used Defense Sites
GHG	Greenhouse Gas
GIS	Geographic Information System
GPH	Gallons per Hour
GPS	Global Positioning Satellites
GRTC	Greater Richmond Transit Company
HABS	Historic American Building Survey
HAER	Historic American Engineering Record
HC	Hydrocarbons
HCM	Highway Capacity Manual
HEC-RAS	Hydrologic Engineering Center – River Analysis System
HFC	Hydrofluorocarbons
HHS	U.S. Department of Health and Human Services
HMIRS	Hazardous Materials Information Reporting System
HP	Horsepower
HPT	Horsepower per Ton
HSDS	Hazardous Substance Disposal Site
HSGT	High Speed Ground Transportation
HSR	High Speed Rail
HSRSP	High Speed Rail Strategic Plan
HOT	High Occupancy Toll
HOV	High Occupancy Vehicle
HU	Hydrologic Unit
ISTEA	Intermodal Surface Transportation Efficiency Act
ITS	Intelligent Transportation System
JPA	Joint Permit Application
Ldn	Day-Night Average Sound Level

LEDPA	Least Environmentally Damaging Practicable Alternative
LEP	Limited English Proficiency
Leq	Equivalent Sound Level
Leq(h)	Equivalent Sound Level for a 1-Hour Period
LID	Low Impact Development
LOD	Limits of Disturbance
LOS	Level of Service
LOV	Low Occupancy Vehicle
LRT	Light Rail Transit
LRTP	Long Range Transportation Plan
LUST	Leaking Underground Storage Tank
LWCF	Land and Water Conservation Fund
MAS	Maximum Authorized Speed
MBTA	Migratory Bird Treaty Act
MCBQ	Marine Corps Base Quantico
Mg/m <sup>3</sup>	Milligrams per Meter Cubed
MINES	Mines Master Index File
MLTS	Material Licensing Tracking System
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MOVES	Motor Vehicle Emission Simulator
MP	Mile Post
MPH	Miles per Hour
MPO	Metropolitan Planning Organization
MRDS	Mineral Resources Data System
MSA	Metropolitan Statistical Area
MSAT	Mobile Source Air Toxics
MSL	Mean Sea Level
MUTCD	Manual on Uniform Traffic Control

MWCOG	Metropolitan Washington Council of Governments
N <sub>2</sub> O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NCDC	National Clean Diesel Campaign
NEC	Northeast Corridor
NECIP	Northeast Corridor Improvement Project
NEPA	National Environmental Policy Act
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NHL	National Historic Landmark
NHPA	National Historic Preservation Act
NHR	Natural Heritage Resources
NHTS	National Highway Traffic Safety Administration
NOAA	US National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NO <sub>x</sub>	Nitrogen Oxides
NMFS	National Marine Fisheries Service
NPL	National Priorities List (Superfund)
NPS	National Park Service
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resource Conservation Service
NRHP	National Register of Historic Places
NRI	Nationwide Rivers Inventory
NS	Norfolk Southern Railroad
NVRC	Northern Virginia Regional Commission
NVRPA	Northern Virginia Regional Park Authority
NVTA	Northern Virginia Transportation Authority
NVTC	Northern Virginia Transportation Commission
NWI	National Wetlands Inventory

O <sub>3</sub>	Ozone
O&M	Operating and Maintenance
O/D	Origin/Destination
OSHA	Occupational Safety and Health Administration
PA	Programmatic Agreement
Pb	Lead
PCB	Polychlorinated Biphenyls
PDC	Planning District Commission
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter Less Than 10 µm in Diameter
PM <sub>2.5</sub>	Particulate Matter Less Than 2.5 µm in Diameter
PMT	Passenger Miles of Travel
ppm	Parts per Million
PPV	Peak Particle Velocity
PRIIA	Passenger Rail Investment and Improvement Act of 2008
PRTC	Potomac and Rappahannock Transportation Commission
PTC	Positive Train Control
R2HR	Richmond to Hampton Roads Passenger Rail Project
R2R	Richmond to Raleigh High Speed Rail Project
RATPO	Richmond Area Transportation Planning Organization
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RF&P	Richmond, Fredericksburg & Potomac (Railroad Company)
RMA	Resource Management Area
RMS	Root Mean Square
ROD	Record of Decision
ROW	Right-of- Way
RPA	Resource Protection Area
RPO	Rural Planning Organization

RRPDC	Richmond Regional Planning District Commission
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Act: A Legacy for Users
SCC	Virginia State Corporation Commission – Division of Utility and Railroad Safety
SDP	Service Development Plan
SDWA	Safe Drinking Water Act
SEHSR	Southeast High Speed Rail
SEL	Sound Exposure Level
SF	Square Feet
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SOP	Standard Operating Procedure
SOV	Single Occupant Vehicle
SO <sub>x</sub>	Sulfur Oxides
STB	U.S. Surface Transportation Board
STIP	Statewide Transportation Improvement Program
SWM	Stormwater Management
SWPPP	Stormwater Pollution Prevention Plan
TAZ	Transportation Analysis Zone
TDM	Transportation Demand Management
TEA-21	Transportation Efficiency Act for the 21st Century
TIGER	Transportation Investment Generating Economic Recovery
TIP	Transportation Improvement Plan
TMDL	Total Maximum Daily Load
TNM	FHWA Traffic Noise Model
TOD	Transit Oriented Development
TPC	Train Performance Calculator
TRB	Transportation Planning Board
TSM	Transportation System Management



TRIS	Toxic Release Inventory System
TSCA	Toxic Substances Control Act
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
USDA	United States Department of Agriculture
USDOl	United States Department of the Interior
USDOJ	United States Department of Justice
U.S. DOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
USM	Unified Stream Methodology
UST	Underground Storage Tank
UXO	Universal Crossover
VARTF	Virginia Aquatic Resources Trust Fund
VAU	Visual Assessment Unit
V/C	Volume to Capacity Ratio
VDA	Virginia Department of Agriculture and Consumer Services
VdB	Vibration Decibel
VDCR	Virginia Department of Conservation and Recreation
Virginia DEQ	Virginia Department of Environmental Quality
VDF	Virginia Department of Forestry
VDGIF	Virginia Department of Game and Inland Fisheries
VDOT	Virginia Department of Transportation
VEC	Virginia Employment Commission
VIMS	Virginia Institute of Marine Science
VLR	Virginia Landmarks Registry
VMRC	Virginia Marine Resources Commission
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds

VOF	Virginia Outdoors Foundation
VPD	Vehicles per Day
VRE	Virginia Railway Express
VSMP	Virginia Stormwater Management Program
VSTP	Virginia 2035 Surface Transportation Plan
VWPP	Virginia Water Protection Permit
WMATA	Washington Metropolitan Area Transit Authority
W&OD	Washington & Old Dominion
WOUS	Waters of the United States
WQS	Water Quality Standards
$\mu\text{g}/\text{m}^3$	Micrograms per Cubic Meter
2MT	2 Main Track
3MT	3 Main Track
4MT	4 Main Track