

## List of Acronyms

ASR	Alkali Silica Reactivity
AANC	Aging Aircraft Nondestructive Inspection Validation Center
ACQ	Alkalkine Copper Quaternary
AC	Alternating Current
AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
AGMA	American Gear Manufacturer's Association
ASTM	American Society for Testing and Materials
AWPA	American Wood Protection Association
ACZA	Ammonical Copper Zinc Arsenate
ACB	Articulated Concrete Block
AC	Asphalt Concrete
APJ	Asphaltic Plug Joints
ADT	Average Daily Traffic
BIRM	Bridge Inspectors Reference Manual
BMS	Bridge Management System
CSA	Calcium Sulfonate Alkyd
CE	Carbon Equivalent
CIP Concrete	Cast-In-Place Concrete
CP	Cathodic protection
CCA	Chromated Copper Arsenate
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CPC	Corrosion Preventing Compounds
CMP	Corrugated Metal Pipe
CPM	Critical Path Method
CFM	Cubic Feet per Minute
CIPP	Cured In Place Pipe
DEF	Delayed Ettringite Formation
DOT	Department of Transportation
DC	Direct Current
DTI	Direct Tension Indicator
DFT	Dry Film Thickness
EPA	Environmental Protection Agency
EPDM	Ethylene Propylene Diene Monomer
EP	Extreme Pressure
FFT	Fast Fourier Transform
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act

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FRP	Fiber Reinforced Polymer
GPS	Global Positioning System
GGBFS	Ground Granulated Blast-Furnace Slag
GPR	Ground penetrating radar
HEPA	High Efficiency Particulate Air
HMWM	High Molecular Weight Methacrylate
HP WC	High Pressure Water Cleaning
HP WJ	High Pressure Water Jetting
HS	High Strength
HRWR	High-Range Water Reducers
HVLP	High-Volume, Low-Pressure
HEC	Hydraulic Engineering Circular
IE	Impact echo
IR	Impulse Response
IT	Infrared thermography
I/O	Input/Output
ITS	Intelligent Traffic Systems
ICRI	International Concrete Repair Institute
ISO	International Standards Organization
JOC	Job Order Contract
LVL	Laminated Veneer Lumber
LRFD	Load and Resistance Factor Design
MBE	Manual for Bridge Evaluation
MFP	Magnetic Field Perturbation Testing
MFL	Magnetic flux leakage
MT	Magnetic-Particle Testing
MMS	Maintenance Management Systems
MASH	Manual for Assessing Safety Hardware
MUTCD	Manual for Uniform Traffic Control Devices
MSDS	Material Safety Data Sheets
MBE	MBE standards
MSE	Mechanically Stabilized Earth
MIT	Methyl IsoThiocyanate
MIO	Micaceous Iron Oxide
MCU	Moisture Cured Urethane
NACE	National Association of Corrosion Engineers
NBIS	National Bridge Inspection Standards
NBIS	National Bridge Inventory
NCHRP	National Cooperative Highway Research Program
NEMA	National Electric Motors Association
NHI	National Highway Institute
NHS	National Highway System
NLGI	National Lubricating Grease Institute

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NDEVC	NDE Validation Center
NYSDOT	New York State Department of Transportation
NDE	Non-Destructive Evaluation
NDT	Non-Destructive Testing
OSHA	Occupational Safety and Health Administration
OBPA	Ogdensburg Bridge and Port Authority
AL	OSHA Action Level
PEL	OSHA Permissible Exposure Limit
PC	Personal Computer
PTFE	PolyTetraFlourEthylene
PVC	PolyVinyl Chloride
PCC	Portland Cement Concrete
PSI	Pounds Per Square Inch
PM	Preventive Maintenance
PDS	Product Data Sheet
PLC	Programmable Logic Controller
QPL	Qualified Product List
QA	Quality Assurance
QC	Quality Control
QMP	Quality Management Plan
RBME	Regional Bridge Maintenance Engineer
RCRA	Resource Conservation and Recovery Act
SDS	Safety Data Sheets
SSD	Saturated Surface Dry
ASM	Society for Materials Scientists and Engineers
SSPC	Society for Protective Coatings
SAE	Society of Automotive Engineers
SASW	Spectral Analysis of Surface Waves
SOP	Standard Operating Procedure
SHRP	Strategic Highway Research Program
SHM	Structural Health Monitoring
SBA	Submerged Bulk Anode
TSZ	Thermally Sprayed Zinc
TSP	Trisodium Phosphate
UHP WJ	Ultra High Pressure Water Jetting
UV	Ultra Violet
UPE	Ultrasonic Pulse Echo
UPV	Ultrasonic Pulse Velocity
USW	Ultrasonic Surface Waves
UT	Ultrasonic Testing
USACE	United States Army Corps of Engineers
VARTM	Vacuum-Assisted Resin-Transfer Molding
VDOT	Virginia Department of Transportation

VI	Viscosity Index
VI	Visual Inspection
VOC	Volatile Organic Compounds
WFT	Wet Film Thickness