

## **NCDOT Acronyms**

### **A**

<b>AADT</b>	Annual Average Daily Traffic
<b>AAH</b>	Adopt-a-Highway
<b>AAMVA</b>	American Association of Motor Vehicle Administrators <a href="http://www.aamva.org/">http://www.aamva.org/</a>
<b>AASHTO</b>	American Association of State Highway & Transportation Officials <a href="http://www.aashto.org/">http://www.aashto.org/</a>
<b>ABAND</b>	Abandoned
<b>ABC</b>	Aggregate Base Course
<b>AC</b>	Acre
<b>ACBC</b>	Asphalt Concrete Base Course
<b>ACEC</b>	American Council of Engineering Companies
<b>ACI</b>	American Concrete Institute
<b>ACIC</b>	Asphalt Concrete Intermediate Course
<b>ACOE</b>	Army Corps of Engineers
<b>ACS</b>	Auxiliary Coordinate System
<b>ACSC</b>	Asphalt Concrete Surface Course
<b>ACTT</b>	Accelerated Construction Technology Transfer
<b>AD</b>	Arterial Design Side Slope
<b>ADA</b>	Americans with Disabilities Act
<b>ADT</b>	Average Daily Traffic
<b>AEC</b>	Area of Environmental Concern
<b>AETC</b>	All Electronic Toll Collection
<b>AFV</b>	Alternative Fuel Vehicles
<b>AG</b>	Attorney General
<b>AGC</b>	Associated General Contractors of America
<b>AH</b>	Ahead

<b>AICP</b>	American Institute of Certified Planners
<b>AISC</b>	American Institute of Steel Construction
<b>ALPR</b>	Automatic License Plate Recognition
<b>ANSI</b>	American National Standards Institute
<b>AP or APPR</b>	Approach
<b>APE</b>	Area of Potential Effect
<b>API</b>	American Petroleum Institute
<b>APL</b>	Approved Product List
<b>ARA</b>	American Railway Association
<b>ARC</b>	Appalachian Regional Commission
<b>ARC</b>	Aviation Rulemaking Committee
<b>ARID</b>	Attribute Road Inventory Data
<b>ASCE</b>	American Society of Civil Engineers
<b>ASHE</b>	American Society of Highway Engineers
<b>ASPH</b>	Asphalt
<b>AST</b>	Asphalt Surface Treatment
<b>ASTM</b>	American Society for Testing & Materials
<b>AT-1</b>	Anchor Terminal
<b>ATC</b>	Alternative Technical Concepts
<b>ATE</b>	Area Traffic Engineer
<b>ATS</b>	Average Travel Speed
<b>AUE</b>	Aerial Utility Easement
<b>AWSC</b>	All-Way Stop-Controlled
<b>AZ</b>	Azimuth

## **B**

<b>B</b>	Bridge Projects (B-1234)
<b>BA</b>	Biological Assessment

<b>BAFO</b>	Best and Final Offer	
<b>BEACON</b>	Building Enterprise Access for North Carolina's Core Operation Needs	<a href="https://mybeacon.its.state.nc.us/irj/portal">https://mybeacon.its.state.nc.us/irj/portal</a>
<b>BEG</b>	Begin	
<b>BIA</b>	Bureau of Indian Affairs	<a href="http://www.bia.gov/">http://www.bia.gov/</a>
<b>BIC</b>	Buried in Cut	
<b>BK</b>	Back	
<b>BL</b>	Base Line	
<b>BM</b>	Bench Mark	
<b>BMP</b>	Best Management Practices	
<b>BMR</b>	Bar Metal Rails	
<b>BMU</b>	Bridge Management Unit	
<b>BPF</b>	Blows per Foot	
<b>BRG</b>	Bridge	
<b>BS</b>	Backsight	
<b>BSIP</b>	Business System Information Portal	
<b>BST</b>	Bituminous Surface Treatment	
<b>BW</b>	Barrier Wall or Barbed Wire (Fence)	

## **C**

<b>C</b>	Congestion Mitigation Projects (C-1234)	
<b>C&amp;D</b>	Cease & Desist Order	
<b>CA or C/A</b>	Control of Access	
<b>CAB</b>	Capital Appreciation Bonds	
<b>CADD</b>	Computer Aided Design Drawing	
<b>CAMA</b>	Coastal Area Management Act	
<b>CAMPO</b>	Capitol Area Metropolitan Planning Organization	<a href="http://www.campos-nc.us/">http://www.campos-nc.us/</a>
<b>CAP</b>	Corrective Action Plan	

<b>CAPA</b>	Carolina Asphalt Paving Association
<b>CAT</b>	Capital Area Transit
<b>CAT-1</b>	Cable Anchor Terminal
<b>CATV</b>	Cable Television
<b>CB</b>	Catch Basin
<b>CBD</b>	Central Business District
<b>CBOM</b>	Contract Bill of Materials
<b>CC</b>	Center of Curve or Compound Curve
<b>CCC or 3C</b>	Continuing Comprehensive Cooperatively
<b>CCFR</b>	Curb Cut for Future Wheelchair Ramp
<b>CCP</b>	Coal Combustion Products
<b>CCPCUA</b>	Central Coastal Plain Capacity Use Area
<b>CCR</b>	Coal Combustion Residuals
<b>CCTV</b>	Closed Circuit Television
<b>CD</b>	Collector / Distributor
<b>CE</b>	Categorical Exclusion
<b>CEAP</b>	Civil Engineering Awareness Program
<b>CEC</b>	Cation Exchange Capacity
<b>CEI</b>	Construction Engineering & Inspection
<b>CEQ</b>	Council on Environmental Quality
<b>CFI</b>	Combined Field Inspection
<b>CFR</b>	Code of Federal Regulations
<b>CG or C&amp;G</b>	Curb and Gutter
<b>CGIA</b>	Center for Geographic Information and Analysis
<b>CGR</b>	Cable Guide Rail
<b>CIA</b>	Community Impact Assessment or Community Impact Area
<b>CIB</b>	Current Interest Bonds

<b>CICA</b>	Continuing Immediate Corrective Action
<b>CII</b>	Construction Industry Institute
<b>CIP</b>	Cast in Place
<b>CIW</b>	Citizen's Information Workshop
<b>CL</b>	Center Line or Chain Linked (Fence)
<b>CLOMR</b>	Conditional Letter of Map Revision
<b>CM</b>	Construction Manager
<b>CMAQ</b>	Congestion Mitigation Air Quality
<b>CMB</b>	Concrete Median Barrier
<b>CMP</b>	Corrugated Metal Pipe
<b>CMS</b>	Changeable Message Sign
<b>CO</b>	Certificate of Occupancy
<b>COGO</b>	Coordinate Geometry
<b>CONC</b>	Concrete
<b>CONSTR</b>	Construction
<b>COTS</b>	Commercial Off the Shelf
<b>CP</b>	Concurrence Point
<b>CPESC</b>	Certified Professional in Erosion and Sediment Control
<b>CPI</b>	Continuous Process Improvement
<b>CPM</b>	Certified Public Manager
<b>CPM</b>	Critical Path Method
<b>CPSWQ</b>	Certified Professional in Storm Water Quality
<b>CPT</b>	Cone Penetration Test
<b>CQC</b>	Contractor Quality Control
<b>CRC</b>	Coastal Resource Commission
<b>CRI</b>	Criteria
<b>CRSI</b>	Concrete Reinforcing Steel Institute

<b>CS</b>	Corrugated Steel
<b>CS</b>	Curve to Spiral
<b>CSP</b>	Corrugated Steel Pipe
<b>CSR</b>	Culvert Survey Report
<b>CSS</b>	Context Sensitive Solution
<b>CT</b>	Center
<b>CTBC</b>	Cement Treated Base Course
<b>CTE</b>	Center for Transportation and the Environment
<b>CTP</b>	Comprehensive Transportation Plan
<b>CVS</b>	Certified Value Specialist
<b>CWA</b>	Clean Water Act

## **D**

<b>D</b>	Directional Split or Factor
<b>DB</b>	Design-Build
<b>DBB</b>	Design-Bid-Build
<b>DBE</b>	Disadvantaged Business Enterprise
<b>DBEC</b>	Design-Build Executive Committee
<b>DBIA</b>	Design-Build Institute of America
<b>DBT</b>	Design-Build Team
<b>DCIA</b>	Demographic Community Impact Area
<b>DCM</b>	Division of Coastal Management
<b>DCP</b>	Dynamic Cone Penetrometer
<b>DDE</b>	Drainage Ditch Excavation
<b>DEIS</b>	Draft Environmental Impact Statement
<b>DEM</b>	Digital Elevation Model
<b>DENR</b>	Department of Environmental and Natural Resources

<b>DET</b>	Detour Design
<b>DHV</b>	Design Hourly Volume
<b>DI</b>	Drop Inlet
<b>DIP</b>	Ductile Iron Pipe
<b>DLR</b>	Division of Land Resources
<b>DLT</b>	Dual Left Turns
<b>DMD</b>	Double Meridian Distance
<b>DMS</b>	Dynamic Message Signs
<b>DMV</b>	Division of Motor Vehicles <a href="https://inside.ncdot.gov/DMV/default.aspx">https://inside.ncdot.gov/DMV/default.aspx</a>
<b>DOD</b>	(US) Department of Defense
<b>DOH</b>	Division of Highways
<b>DOT</b>	Department of Transportation
<b>DP</b>	Deficiency Points
<b>DPI</b>	Department of Public Instruction
<b>DSA</b>	Detailed Study Alternatives
<b>DTCD</b>	Drop Type Concrete Drive
<b>DTE</b>	Division Traffic Engineer
<b>DTM</b>	Digital Terrain Model
<b>DW or D/W</b>	Driveway
<b>DWQ</b>	Division of Water Quality

## **E**

<b>E</b>	East or Eastern or Easting   English   Enhancement Project Roadside (E-1234)
<b>EA</b>	Environmental Assessment
<b>EBL</b>	East Bound Lane
<b>EC</b>	Erosion Control
<b>ECHS</b>	Executive Committee for Highway Safety
<b>ECM</b>	Enterprise Content Management

<b>ECRM</b>	Enterprise Content and Records Management
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<b>EDM</b>	Electronic Distance Measurement
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<b>EEP</b>	Ecosystem Enhancement Program
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<b>EFH</b>	Essential Fish Habitat
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<b>EIS</b>	Environmental Impact Statement
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<b>EIS</b>	Environmental Impact Statement (Draft and Final)
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<b>EL</b>	Elevation
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<b>EMB</b>	Embankment
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<b>EMS</b>	Emergency Medical Services
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<b>EMS</b>	Environmental Management Service
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<b>END</b>	Ending
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<b>EOP</b>	Edge of Pavement
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<b>EOT</b>	Edge of Travel Lane
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<b>EPA</b>	Environmental Protection Agency
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<b>EQN</b>	Equation
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<b>ESA</b>	Endangered Species Act
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<b>ESA</b>	Environmentally Sensitive Area
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<b>ESA</b>	Environmental Site Assessment
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<b>ESALs</b>	Equivalent Single Axle Loads
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<b>EST</b>	Estimated
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<b>ETC</b>	Electronic Toll Collection
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<b>ETJ</b>	Extra Territorial jurisdiction
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<b>EW</b>	Earthwork
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<b>EXC</b>	Excavation
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<b>EXIST</b>	Existing
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## **F**

<b>F</b>	Ferry Projects (F-1234)	
<b>FAA</b>	Federal Aviation Administration	
<b>FD</b>	Freeway Design ( Side Slope)	
<b>FDPS</b>	Full Depth Paved Shoulder	
<b>FEIS</b>	Final Environmental Impact Statement	
<b>FEMA</b>	Federal Emergency Management Agency	<a href="http://www.fema.gov/">http://www.fema.gov/</a>
<b>FES</b>	Flared End Section	
<b>FF</b>	Filter Fabric	
<b>FFI</b>	Final Field Inspection	
<b>FFS</b>	Free Flow Speed	
<b>fhv</b>	Heavy Vehicle Factor	
<b>FHWA</b>	Federal Highway Administration	<a href="http://www.fhwa.dot.gov/">http://www.fhwa.dot.gov/</a>
<b>FIRMs</b>	Flood Insurance Rate Maps	
<b>FLP</b>	Federal Lands Program	
<b>FLUSA</b>	Future Land Use Study Area	
<b>FMEA</b>	Failure Mode and Effects Analysis	
<b>FMIS</b>	Fiscal Management Information System	
<b>FMLA</b>	Family Medical Leave Act	
<b>FOB</b>	Free on Board	
<b>FONSI</b>	Finding of No Significant Impact	
<b>fp</b>	Driver Population Factor	
<b>FPPA</b>	Farmland Protection Policy Act	
<b>FRA</b>	Federal Railroad Administration	<a href="http://www.fra.dot.gov/">http://www.fra.dot.gov/</a>
<b>FS</b>	Feasibility Study	
<b>FS</b>	Foresight	
<b>FSC</b>	Federal Species of Concern	

<b>Ft</b>	Foot or Feet
<b>FTA</b>	Federal Transit Administration <a href="http://www.fta.dot.gov/">http://www.fta.dot.gov/</a>
<b>FTS</b>	File Transfer System <a href="https://fts.dot.state.nc.us/">https://fts.dot.state.nc.us/</a>
<b>FueltaCS</b>	Fuel Tax Collection System
<b>FWD</b>	Falling Weight Deflectometer

## **G**

<b>GDI</b>	Grated Drop Inlet
<b>GHSP</b>	Governor's Highway Safety Program
<b>GI</b>	Graded Inlet
<b>GIS</b>	Geographical Information System
<b>GMP</b>	Guaranteed Maximum Price
<b>GP</b>	Grade Point
<b>GPK</b>	Geopack files
<b>GPR</b>	Ground Penetrating Radar
<b>GPS</b>	Global Positioning System
<b>GR</b>	Guard Rail
<b>GRAU</b>	Guardrail Anchor Unit
<b>GS</b>	General Statute
<b>GTAC</b>	GIS Technical Advisory Committee

## **H**

<b>HAR</b>	Highway Advisory Radio
<b>HARN</b>	High Accuracy Reference Network
<b>HCM</b>	Highway Capacity Manual
<b>HCS</b>	Highway Capacity Software
<b>HCS</b>	Highway Capacity Software
<b>HDPE</b>	High Density Polyethylene

<b>HEC RAS</b>	Hydrologic Engineering Center - River Analysis System
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<b>HI</b>	Height of Instrument
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<b>HiCAMS</b>	Highway Construction and Materials System
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<b>HLA</b>	High Level Assessment
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<b>HMA</b>	Hot Mix Asphalt
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<b>HMR</b>	Hearing Map Review
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<b>HOV</b>	High Occupancy Vehicle
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<b>HPC</b>	High Performance Concrete
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<b>HPMS</b>	Highway Performance Monitoring System
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<b>HPO</b>	Historic Preservation Office
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<b>HQW</b>	High Quality Waters
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<b>HSP</b>	Highway Stormwater Program
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<b>HT</b>	Height
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<b>HUB</b>	Historically Underutilized Businesses
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<b>HUC</b>	Hydrologic Unit Code
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<b>HV</b>	Heavy Vehicle
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<b>HYD</b>	Hydraulic
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## **I**

<b>I</b>	Interstate or Interstate Projects (I-1234)
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<b>IAU</b>	Impact Attenuator Unit
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<b>ICA</b>	Immediate Corrective Action
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<b>ICE</b>	Indirect & Cumulative Effects
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<b>ICI</b>	Indirect & Cumulative Impact(s)
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<b>ICPM</b>	Initial Critical Path Method
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<b>ICT</b>	Intermediate Contract Time
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<b>IDAS</b>	ITS Deployment Analysis System
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<b>IDP</b>	Individual Development Plan
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<b>IM</b>	Interstate Maintenance	
<b>IMAP</b>	Incident Management Assistance Patrol	
<b>IMPACT</b>	Information Management Public Affairs, Construction and Traffic Control	
<b>IN</b>	Inch	
<b>IPL</b>	In Place Length	
<b>ISTEA</b>	Intermodal Surface Transportation Efficiency Act	
<b>IT</b>	Information Technology	<a href="http://www.ncdot.gov/it/">http://www.ncdot.gov/it/</a>
<b>ITE</b>	Institute of Transportation Engineers	<a href="http://www.ite.org/">http://www.ite.org/</a>
<b>ITRE</b>	Institute for Transportation Research & Education	<a href="http://itre.ncsu.edu/">http://itre.ncsu.edu/</a>
<b>ITS</b>	Intelligent Transportation Systems	
<b><u>J</u></b>		
<b>JB</b>	Junction Box	
<b>JCT</b>	Junction	
<b>JD</b>	Jurisdictional Determination	
<b>JMF</b>	Job Mix Formula	
<b>JTOC</b>	Joint Transportation Oversight Committee	
<b><u>K</u></b>		
<b>K</b>	Rest Area Projects (K-1234)	
<b>KM</b>	Kilometer	
<b><u>L</u></b>		
<b>L off</b>	Length of Runoff	
<b>L out</b>	Length of Tangent Runout	
<b>LADA</b>	Location and Design Approval Letter	
<b>LARS</b>	Linear Referencing Attribute Reporting System	
<b>LC</b>	Long Chord	

<b>LD</b>	Local Design (Side Slope)
<b>LEDPA</b>	Least Environmentally Damaging Practicable Alternative
<b>LEED</b>	Leadership in Energy and Environmental Design
<b>LiDAR</b>	Light Detection and Ranging
<b>LMC</b>	Latex Modified Concrete
<b>LMDA</b>	Leadership and Management Development Association
<b>LOC</b>	Location and Surveys   Limits of Construction
<b>LOI</b>	Letter of Interest
<b>LOMR</b>	Letter of Map Revision
<b>LOP</b>	Letter of Permission
<b>LOS</b>	Level of Service
<b>LP</b>	Loop (-LPA-, -LPD-)
<b>LPA</b>	Local Public Agency
<b>LRFD</b>	Load and Resistance Factor Design
<b>LRS</b>	Linear Referencing System
<b>LRTP</b>	Long Range Transportation Plan
<b>LSA</b>	Limited Service Agreement
<b>LT</b>	Left

## **M**

<b>M</b>	Meter or Metric or Median Anchor Unit (M-350)
<b>MANLAA</b>	May Affect, Not Likely to Adversely Affect
<b>MAT</b>	Material
<b>MBE</b>	Minority Business Enterprises
<b>MBT</b>	Modified Bulb Tee
<b>MCI</b>	Monolithic Concrete Island
<b>MD</b>	Middle
<b>MDI</b>	Median Drop Inlet (also see GDI)

<b>MDNDS</b>	Median Ditch Slope
<b>MDS</b>	Masonry Drainage Structure
<b>MH</b>	Man Hole
<b>MHW</b>	Mean High Water
<b>MI</b>	Mile
<b>MMS</b>	Maintenance Management System
<b>MMTF</b>	Multi-Modal Transportation Facility
<b>MOA</b>	Memorandum of Agreement
<b>MOD</b>	Modified
<b>MOE</b>	Maintenance of Effort
<b>MOE</b>	Measures of Effectiveness
<b>MOT</b>	Maintenance of Traffic
<b>MOU</b>	Memorandum of Understanding
<b>MPH</b>	Miles per hour
<b>MPO</b>	Metropolitan Planning Organization
<b>MPT</b>	Magnetic Particle Testing
<b>MRG</b>	Maximum Relative Gradient
<b>MRTDM</b>	Metroline Regional Traffic Demand Model
<b>MSDS</b>	Material Safety Data Sheets
<b>MSE</b>	Mechanically Stabilized Earthwalls
<b>MSL</b>	Mean Sea Level
<b>MTV</b>	Material Transfer Vehicle
<b>MUMPO</b>	Mecklenburg-Union Metropolitan Planning Organization
<b>MUTCD</b>	Manual on Uniform Traffic Control Devices
<b>MVD</b>	Microwave Vehicle Detectors
<b>MVM</b>	Million(s) of Vehicle-Mile(s)
<b>MVR</b>	Motor Vehicle Registration

# **N**

<b>N</b>	North or Northern or Northing	
<b>NAAQS</b>	National Ambient Air Quality Standards	
<b>NAC</b>	Noise Abatement Criteria	
<b>NAD</b>	North American Datum (+ MSL datum year: NAD 83)	
<b>NADO</b>	National Association of Development Organizations	
<b>NAPA</b>	National Asphalt Paving Association	
<b>NAVD</b>	North American Vertical Datum	
<b>NB(L)</b>	North Bound (Lane)	
<b>NC</b>	Normal Crown or North Carolina (Route Number)	
<b>NCAC</b>	North Carolina Administrative Code	
<b>NCAR</b>	North Carolina Accountability Report	
<b>NCAT</b>	National Center for Asphalt Technology	
<b>NCDENR</b>	North Carolina Department of Environment and National Resources	<a href="http://portal.ncdenr.org/web/guest/">http://portal.ncdenr.org/web/guest/</a>
<b>NCDMF</b>	North Carolina Division of Marine Fisheries	<a href="http://www.ncfisheries.net/">http://www.ncfisheries.net/</a>
<b>NCDOT</b>	North Carolina Department of Transportation	
<b>NCEES</b>	National Council of Examiners for Engineering and Surveying	
<b>NCFMP</b>	North Carolina Floodplain Mapping Program	
<b>NCHRP</b>	National Cooperative Highway Research Program	
<b>NCMIN</b>	North Carolina Multimodal Investment Network	
<b>NCNHP</b>	North Carolina Natural Heritage Program	
<b>NCR</b>	Non-Compliance Report	
<b>NCTA</b>	North Carolina Turnpike Authority	<a href="http://www.ncturnpike.org/">http://www.ncturnpike.org/</a>
<b>NCUTLO</b>	National Committee on Uniform Traffic Laws & Ordinances	
<b>NCWRC</b>	North Carolina Wildlife Resources Commission	

<b>NDI</b>	Narrow Slot Drop Inlet
<b>NEE</b>	Net Ecosystem Exchange
<b>NEPA</b>	National Environmental Policy Act
<b>NEU</b>	Natural Environment Unit
<b>NFA</b>	Bridge Replacement Off-Federal-Aid System
<b>NFAM</b>	Municipal Bridge Replacement Program
<b>NHI</b>	National Highway Institute
<b>NHP</b>	National Heritage Program
<b>NHPN</b>	National Highway Planning Network
<b>NHS</b>	National Highway System
<b>NHTSA</b>	National Highway Traffic Safety Administration <a href="http://www.nhtsa.gov/">http://www.nhtsa.gov/</a>
<b>NMA</b>	National Management Association
<b>NMFS</b>	National Marine Fisheries Service
<b>NOAA</b>	National Oceanic and Atmospheric Administration <a href="http://www.noaa.gov/">http://www.noaa.gov/</a>
<b>NOV</b>	Notice of Violation
<b>NPDES</b>	National Pollutant Discharge Elimination System
<b>NPHQ</b>	National Partnership for Highway Quality
<b>NPOAG</b>	National Parks Overflights Advisory Group
<b>NPS</b>	National Park Service
<b>NR</b>	National Register
<b>NRCS</b>	Natural Resources Conservation Service
<b>NRT</b>	National Recreational Trails
<b>NRTR</b>	Natural Resources Technical Reports
<b>NSW</b>	Nutrient Sensitive Waters
<b>NTOC</b>	National Transportation Operation Coalition
<b>NTP</b>	Notice to Proceed
<b>NTS</b>	Not to Scale

<b>NTSB</b>	National Transportation Safety Board	<a href="http://www.nts.gov/">http://www.nts.gov/</a>
<b>NTU</b>	Nephelometric Turbidity Units	
<b>NWI</b>	National Wetlands Inventory	
<b>NWP</b>	Nationwide Permit	

## **O**

<b>O&amp;D</b>	Origin and Destination (Survey)	
<b>OBD</b>	On-Board Diagnostics	
<b>OCR</b>	Optical Character Recognition	
<b>OEQ</b>	Office of Environmental Quality	
<b>OGAFC</b>	Open Graded Asphalt Friction Course	
<b>OJT</b>	On-the-Job Training	
<b>ONE</b>	Office of Natural Environment	
<b>ORT</b>	Open Road Tolling	
<b>ORW</b>	Outstanding Resource Waters	
<b>OS</b>	Outside of Study	
<b>OSBM</b>	Office of State Budget, and Management	<a href="http://www.osbm.state.nc.us/">http://www.osbm.state.nc.us/</a>
<b>OSHA</b>	Occupational Safety and Health Administration	<a href="http://www.osha.gov/">http://www.osha.gov/</a>
<b>OSM</b>	Office of Surface Mining	
<b>OSP</b>	Office of State Personnel	<a href="http://www.osp.state.nc.us/">http://www.osp.state.nc.us/</a>

## **P**

<b>P</b>	Passenger Rail Projects (P-1234) or Passenger (Car)	
<b>PADL</b>	Permeable Asphalt Drainage Layer	
<b>PAM</b>	Polyacrylamide	
<b>PART</b>	Piedmont Area Rapid Transit	
<b>PAT</b>	Pattern Lines	
<b>PC</b>	Passenger Car	

<b>PCB</b>	Portable Concrete Barrier
<b>PCBB</b>	Prestressed Concrete Box Beam (Unit)
<b>PCE</b>	Programmatic Categorical Exclusion
<b>PCMS</b>	Portable Changeable Message Sign
<b>PCN</b>	Pre-Construction Notification
<b>PDA</b>	Performance Dashboard & Appraisal
<b>PDA</b>	Pile Driving Analyzer
<b>PDE</b>	Permanent Drainage Easement
<b>PDEA</b>	Project Development and Environmental Analysis
<b>PDF</b>	Portable Document Format
<b>PDPS</b>	Partial Depth Pavement Shoulder
<b>PE</b>	Professional Engineer
<b>PEF</b>	Private Engineering Firm
<b>PEP</b>	Product Evaluation Process
<b>PERT</b>	Program Evaluation and Review Technique
<b>PFI</b>	Preliminary Field Inspection
<b>PFL</b>	Profile Sheets File (.PFL)
<b>PGL</b>	Profile Grade Line
<b>PGL</b>	Profile Grade Line
<b>PHF</b>	Peak Hour Factor
<b>PI</b>	Plasticity Index
<b>PI</b>	Pont of Intersection
<b>PINC</b>	Point of Intersection No Curve
<b>PIS</b>	Point of Intersection for Spirals
<b>PLF</b>	Personalized Auto License Plate Fund
<b>PLN</b>	Existing Topography File (.PLN)
<b>PLS</b>	Professional Land Surveyor

<b>PM</b>	Performance Metrics
<b>PMEM</b>	Polymer-Modified Emulsion Membrane
<b>PMP</b>	Pavement Marking Plans
<b>PMP</b>	Project Management Professional
<b>PMP</b>	Public Manager Program
<b>PMR</b>	Post Hearing Map Review
<b>PMS</b>	Portable Message Signs
<b>POC</b>	Proof of Concept
<b>POC</b>	Point on Curve
<b>POT</b>	Point on Tangent
<b>PPC</b>	Precast Prestressed Concrete
<b>PPP</b>	Public-Private-Partnerships
<b>PRC</b>	Point of Reverse Curve
<b>PRL</b>	Property Graphics File (.PRL)
<b>PRO</b>	Profile
<b>PROP</b>	Proposed
<b>PRS or RS</b>	Point of Reverse Spiral
<b>PS</b>	Paved Shoulder
<b>PS&amp;E</b>	Plans, Specifications, and Cost Estimate
<b>PSA</b>	Preliminary Site Assessment
<b>PSH</b>	Preformed Scour Hole
<b>PSH</b>	Plan Sheets
<b>PSP</b>	Project Special Provisions
<b>PT</b>	Point of Tangency or Point
<b>PTSF</b>	Percent Time-Spent-Following
<b>PUD</b>	Planned Unit Development
<b>PUE</b>	Permanent Utility Easement

<b>PVC</b>	Point of Vertical Intersection
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<b>PVI</b>	Point of Vertical Intersection
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<b>PVMT</b>	Pavement
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<b>PVMT SCHL</b>	Pavement Schedule
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<b>PVT</b>	Point of Vertical Tangency
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## **Q**

<b>QA</b>	Quality Assurance
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<b>QC</b>	Quality Control
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<b>QCP</b>	Quality Control Plan
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<b>QMP</b>	Quality Management Plan
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<b>QMS</b>	Quality Management System
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<b>QPL</b>	Qualified Products List
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## **R**

<b>R</b>	Rural Projects (R-1234) or Radius
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<b>RA</b>	Risk Assessment
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<b>RAP</b>	Reclaimed Asphalt Pavement
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<b>RAS</b>	Reclaimed Asphalt Shingle
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<b>RB</b>	Regional Business
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<b>RC</b>	Rapid Curing
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<b>RC</b>	Remove Adverse Crown, Reverse Crown, or Reverse Curve
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<b>RCBC</b>	Reinforced Concrete Box Culvert
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<b>RCL</b>	Reduced Candidate List
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<b>RCP</b>	Reinforced Concrete Pipe
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<b>RCRA</b>	Resource Conservation and Recovery Act
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<b>RCW</b>	Red-Cockaded Woodpecker
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<b>RDM</b>	Roadway Design Manual
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<b>REINF</b>	Reinforced
<b>REM</b>	Remove
<b>REPL</b>	Replace
<b>RESURF</b>	Resurface
<b>RET</b>	Retain
<b>REU</b>	Roadside Environmental Unit
<b>REV</b>	Revised Topo from Photogrammetry
<b>RFC</b>	Release for Construction
<b>RFI</b>	Request for Information
<b>RFID</b>	Radio Frequency Identification
<b>RFP</b>	Request for Proposals
<b>RFQ</b>	Request for Qualifications
<b>RGP</b>	Regional General Permit
<b>RM</b>	Raised Median
<b>ROD</b>	Record of Decision
<b>ROW</b>	Right of Way
<b>RP</b>	Ramp (-RPA-, -RPD-)
<b>RPO</b>	Rural Planning Organization
<b>RPOB</b>	Recycled Plastic Offset Blocks
<b>RR</b>	Railroad
<b>RR</b>	Railroad or Rip Rap or Rub Rail
<b>RRR or 3R</b>	Resurfacing, Restoration, and Rehabilitation
<b>RS</b>	Reverse Spiral
<b>RT</b>	Right
<b>RTCD</b>	Radius Type Concrete Drive
<b>RTE</b>	Regional Transportation Engineer
<b>RTOR</b>	Right Turn on Red

<b>RTP</b>	Research Triangle Park
<b>RTUT</b>	Right Turn Followed by U-Turn
<b>RW or R/W</b>	Right of Way

## **S**

<b>S</b>	State Construction
<b>S</b>	South or Southern or Southing   Scenic Beautification Projects (S-1234)
<b>SA</b>	Supplemental Agreements
<b>SABC</b>	Sand Asphalt Base Course
<b>SADLS</b>	State Automated Driver License System
<b>SAFETEA-LU</b>	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
<b>SAP</b>	Systems and Applications in Data Processing
<b>SASC</b>	Sand Asphalt Surface Course
<b>SASHTO</b>	Southeastern Association of State Highway & Transportation Officials <a href="http://www.sashto.org/">http://www.sashto.org/</a>
<b>SAU</b>	Structure Anchor Unit
<b>SAV</b>	Submerged Aquatic Vegetation
<b>SAVE</b>	Society of American Value Engineers
<b>SB (L)</b>	South Bound (Lane)
<b>SBE</b>	Small Business Enterprise
<b>SBG</b>	Shoulder Berm Gutter
<b>SC</b>	Special Commercial
<b>SCC</b>	Sedimentation Control Commission
<b>SCS</b>	Survey Control Sheets
<b>SCS</b>	Spiral Curve Spiral
<b>SDV</b>	Spatial Data Viewer
<b>SE</b>	Super Elevation (Rate)

<b>SEANC</b>	State Employees Association of North Carolina
<b>SEE</b>	Social, Economic, and Environmental
<b>SEP</b>	Strategic Energy Plan
<b>SEPA</b>	State Environmental Policy Act
<b>SFY</b>	State Fiscal Year
<b>SG</b>	Safety Grant
<b>SHA</b>	State Highway Agency
<b>SHC</b>	Strategic Highway Corridor
<b>SHC</b>	Strategic Highway Corridors
<b>SHP</b>	Shape File
<b>SHPO</b>	State Historic Preservation Officer
<b>SHRP</b>	Strategic Highway Research Program
<b>SHSP</b>	Strategic Highway Safety Plan
<b>SI</b>	Systeme International (French)   Hazard Elimination Projects (SI-1234)
<b>SIP</b>	State Implementation Plan
<b>SIPF</b>	Stay in Place Form
<b>SLT</b>	Short-Listed Teams
<b>SMC</b>	Strategic Management Committee
<b>SMO</b>	Schedule Management Office
<b>SNHA</b>	Significant Natural Heritage Area
<b>SOQ</b>	Statement of Qualifications
<b>SP</b>	Shear Point or Super Pave
<b>SPCA</b>	Sedimentation Pollution Control Act
<b>SPD</b>	Shear Point Diagram
<b>SPDI</b>	Single Point Diamond Interchange
<b>SPECS</b>	Specification, Proposals, Estimating, Contract System
<b>SPI</b>	Spiral

<b>SPT</b>	Standard Penetration Test
<b>SPUI</b>	Single Point Urban Interchange
<b>SR</b>	Secondary Road
<b>SR</b>	Sufficiency Rating
<b>SR</b>	Service Road or Secondary Road
<b>SREC</b>	Structure Recommendations
<b>SRW</b>	Segmental Retaining Wall
<b>SS</b>	Temporary Slope Stake File
<b>SSTI</b>	Smart State Transportation Initiative
<b>ST</b>	Spiral to Tangent (Point)
<b>STA</b>	Station
<b>STaRS</b>	Schedule Tracking and Reporting System
<b>STARS</b>	State Titling And Registration System
<b>STBC</b>	Soil Type Base Course
<b>STD</b>	State Transportation Department
<b>STD</b>	Standard
<b>STIP</b>	Surface Transportation Improvement Program
<b>STPDA</b>	Surface Transportation Program, Direct Attributable
<b>STPE</b>	Surface Transport Program, Enhancement
<b>STR</b>	Structure
<b>STRAHNET</b>	Strategic Highway Network
<b>SUE</b>	Subsurface Utility Engineering
<b>SUM</b>	Summary Sheets File
<b>Superpave</b>	SUperior PERforming Asphalt PAVEMENTs
<b>SUT</b>	Single Unit Truck
<b>SV</b>	Single Vehicle
<b>SYB</b>	Symbol

# I

<b>T</b>	Tangent or Truck Volume (ADT)
<b>T&amp;E</b>	Threatened and Endangered
<b>TAA</b>	Take Appropriate Action
<b>TAZ</b>	Traffic Analysis Zones
<b>TB</b>	Top of Bank
<b>TB</b>	Traffic Bearing
<b>TBDI</b>	Traffic Bearing Drop Inlet
<b>TBJB</b>	Traffic Bearing Junction Box
<b>TBM</b>	Temporary Bench Mark
<b>TCE</b>	Temporary Construction Easement
<b>TCEO</b>	Traffic Congestion and Engineering Operations
<b>TCM</b>	Transportation Control Measures
<b>TCP</b>	Traffic Control Plans
<b>TDE</b>	Temporary Drainage Easement
<b>TDF</b>	Tire-Derived Fuel
<b>TDI</b>	Tight Diamond Interchange
<b>TDM</b>	Travel or Transportation Demand Management
<b>TDP</b>	Time, Distance, and Place
<b>TEA-21</b>	Transportation Equity Act for the 21st Century
<b>TEASS</b>	Traffic Engineering Accident Analysis System
<b>TEMP</b>	Temporary
<b>TEPPL</b>	Traffic Engineering Policies, Practices, and Legal Authority
<b>TER</b>	Truck Escape Ramps
<b>TERM</b>	Terminator
<b>TES</b>	Terminal End Section

<b>TESSB</b>	Traffic Engineering & Safety Systems Branch
<b>TIA</b>	Traffic Impact Analysis
<b>TIFIA</b>	Transportation Infrastructure Finance & Innovation Act
<b>TIGER</b>	Transportation Investment Generating Economic Recovery
<b>TIMS</b>	Traveler Information Management System
<b>TIN</b>	Triangulated Irregular Network
<b>TIP</b>	Transportation Improvement Program
<b>TIS</b>	Traffic Impact Study
<b>TJCOG</b>	Triangle J Council of Governments
<b>TMC</b>	Transportation or Traffic Management Center
<b>TMT</b>	Transformation Management Team
<b>TND</b>	Traditional Neighborhood Development
<b>TNM</b>	Traffic Noise Model
<b>TO</b>	Task Order
<b>TP</b>	Turning Point
<b>TR</b>	Trailing
<b>TRB</b>	Transportation Research Board <a href="http://www.trb.org/Main/Home.aspx">http://www.trb.org/Main/Home.aspx</a>
<b>TRC</b>	Technical Review Committee
<b>TS</b>	Tangent to Spiral (Point) or Typical Section
<b>TSF</b>	Temporary Silt Fence
<b>TSH</b>	Title Sheet
<b>TSM</b>	Transportation Systems Management
<b>TSR</b>	Retained Tensile Strength
<b>TSW</b>	Truck Size and Weight
<b>TT</b>	Turning Template
<b>TTA</b>	Triangle Transit Authority

<b>TTST</b>	Truck Tractor Semi-Trailer
<b>TWG</b>	Technical Work Group
<b>TWLTL</b>	Two-Way Left Turn Lane
<b>TWSC</b>	Two-Way Stop-Controlled
<b>TYP</b>	Typical Sections Details

## **U**

<b>UA</b>	Utility Agreement	
<b>UAPR</b>	Utility Analysis and Preliminary Routing	
<b>UBWC</b>	Ultrathin Bonded Wearing Course	
<b>UHPC</b>	Ultra-High Performance Concrete	
<b>URA</b>	Utilities Relocation Agreement	
<b>USCOE</b>	United States Army Corp of Engineers	<a href="http://www.usace.army.mil/Pages/default.aspx">http://www.usace.army.mil/Pages/default.aspx</a>
<b>USEPA</b>	Unites States Environmental Protection Agency	<a href="http://www.epa.gov/">http://www.epa.gov/</a>
<b>USFWS</b>	United States Fish and Wildlife Service	<a href="http://www.fws.gov/">http://www.fws.gov/</a>
<b>USGS</b>	U.S. Geological Stream	
<b>USGS</b>	US Geodetic Survey or US Geological Survey	
<b>UST</b>	Underground Storage Tanks	
<b>UTL</b>	Utility File	
<b>UTs</b>	Unnamed Tributaries	

## **V**

<b>V</b>	(Velocity) Design Speed
<b>VC</b>	Vertical Curve
<b>VECP</b>	Value Engineering Change Proposal
<b>VII</b>	Vehicle Infrastructure Integration
<b>VMT</b>	Vehicle Miles Traveled

<b>VPD</b>	Vehicles Per Day
<b>VPS</b>	Vehicle Positioning Systems
<b>VSL</b>	Variable Speed Limits
<b>VTM</b>	Voids in Total Mix
<b>VTPD</b>	Vehicle Trips Per Day

## **W**

**W** West or Western or Westing | Hazard Elimination Projects (W-1234)

<b>WB</b>	Wheel Base
<b>WBE</b>	Women Business Enterprises
<b>WBL</b>	West Bound Lane
<b>WBS</b>	Work Breakdown Structure
<b>WCC</b>	Wheelchair Ramp Curb Cut
<b>WCR</b>	Wheelchair Ramp
<b>WIM</b>	Weigh-in-Motion
<b>WLB</b>	Wetland Limit Boundary
<b>WRC</b>	Wildlife Resources Commission <a href="http://www.ncwildlife.org/">http://www.ncwildlife.org/</a>
<b>WTAT</b>	Wet Track Abrasion Test
<b>WW or WWF</b>	Woven Wire or Woven Wire Fence

## **X**

**XS or XSECT** Cross Section

## **Y**

**Y** Passenger Rail Projects (Y-1234)

## **Z**

**Z** Passenger Rail Projects (Z-1234)

