

Abbreviation	Meaning
°C	Celsius (degree)
μ	Micro
2-L	Two-Lane
2L1W	Two-Lane One-Way
2L2W	Two-Lane Two-Way
A	Area or Amperes
AAA	American Automobile Association
AADT	Annual Average Daily Traffic
AASHO	American Association Of State Highway Officials
AASHTO	American Association Of State Highway And Transportation Officials
ABC	Asphalt Base Course
Abd.	Abandoned
ABS	Acrylonitrile-Butadiene-Styrene Pipe
AC or Asph. Conc.	Asphaltic Concrete
AC, Ac.	Acre
Accel.	Acceleration
ACI	American Concrete Institute
Act.	Actuated
ADA	Americans With Disabilities Act, The
Adh.	Adhesive
Adj.	Adjust
ADT	Average Daily Traffic
AFAD	Automated Flagger Assistance Device
Agg.	Aggregate
Ah.	Ahead
AISC	American Institute Of Steel Construction
AISI	American Iron and Steel Institute
Alt.	Alternate
Alum., Al.	Aluminum
AM	12:00 Midnight Until 11:59 Noon
ANSI	American National Standards Institute
AOS	Apparent Opening Size
APL	Approved Products List
Appl.	Applied, Application
Aprph.	Approach
Approx.	Approximate
ARTBA	American Road & Transportation Builders Association
Artf.	Artificial
Asph.	Asphalt
Assem.	Assembly
Assn.	Association
Assoc.	Associate, Association
ASTM	American Society For Testing And Materials
ATPB	Asphalt Treated Permeable Base
Attn.	Attention
Attnuatr.	Attenuator
Aux. or Auxil.	Auxiliary
Ave.	Avenue
AWG	American Wire Gauge
AWS	American Welding Society
Az	Azimuth
B to B	Back to Back
B/C, B.C.	Back Of Curb
Basc.	Bascule
BC	Bottle Cap or Bolt Circle
BCCMP	Bituminous Coated Corrugated Metal Pipe Culvert
BCPA	Bituminous Coated Pipe Arch Culvert
BCPCMP	Bituminous Coated And Paved Corrugated Metal Pipe Culvert
BCPPA	Bituminous Coated And Paved Pipe Arch Culvert
BCT	Breakaway Cable Terminal
BCWE	Base Clearance Water Elevation
Bd. or Bnd.	Bond or Bonded
Bdr.	Border
BE	Buried Electric
Beg.	Begin
Bit.	Bituminous
Bk.	Back
BL or Ⓟ	Base Line
BLC	Base Line Control
Bldg.	Building

Abbreviation	Meaning
Blkhd.	Bulkhead
BLON	Begin Length Of Need
Blvd.	Boulevard
BM	Bench Mark
Bndry.	Boundary
BO	Basin Outlet
BOS	Beginning Of Survey
Bot.	Bottom
BP	Borrow Pit
Bq.	Becquerel
Br.	Bridge
Brg.	Bearing
Brkwy.	Breakaway
BT	Buried Telephone Cable or Duct
Btfly.	Butterfly
Btwn., B/W	Between
BW	Barbed Wire, Bottom Width or Both Ways
C	Cantilever Length, Cut, Colorless, Coulomb or Cycle Length
C & G	Curb And Gutter
C.C.	Crash Cushion
C.I.P., C-I-P	Cast In Place
CA	Coarse Aggregate
CAP	Corrugated Aluminum Pipe
Cap.	Capacity
Caps.	Capital Letters
CASP	Corrugated Aluminized Steel Pipe
CATV	Cable Television
CB	Catch Basin
CBC	Concrete Box Culvert
CBS	Concrete Box Structure
CC, C/C or C to C	Center to Center
CCEW	Center to Center Each Way
CCTV	Closed-Circuit Television
cd	Candela
CD	Cross Drain, Cross Direction (Geotextiles)
Cem.	Cement or Cemetery
Cem'd.	Cemented
CF, C.F.	Cubic Foot
CFR	Code of Federal Regulations
CFS	Cubic Feet Per Second
Ch.	Channel
Chchg.	Channel Change
Chg.	Changeable
CI	Cast Iron
CIP	Cast Iron Pipe
circ.	Circumference
CJP	Complete Joint Penetration weld
Ckt.	Circuit
CL, C/L or Ⓞ	Center Line
Cl. or Clear	Clearance
CM	Concrete Monument
CMB	Concrete Median Barrier
CMP	Corrugated Metal Pipe
CMPA	Corrugated Metal Pipe Arch
CO	Clean Out
Co.	County or Company
Col.	Column
Com.	Commercial or Common
COMM	Committee or By Committee
Comp.	Composite
Con.	Connect or Connection
Conc.	Concrete
Const.	Construct or Construction
Cont.	Continuation
Contr.	Contractor
Contrl.	Controller
Coord.	Coordinate
Cor.	Corner
Corr.	Corrugated
Cov.	Cover
CP	Concrete Pipe
CPE	Corrugated Polyethylene Pipe

Abbreviation	Meaning
CPT	Cone Penetration Test
CR	Control Radius or County Road
CRA	Clear Recovery Area
Crs. or Cse.	Course
CS	Curve To Spiral
CSIP	Cost Savings Initiative Proposal
CSL	Cross-hole Sonic Logging
CSP	Corrugated Steel Pipe
CT	Clear Trunk
Ctlvr.	Cantilever
CTPB	Cement Treated Permeable Base
Ctr., Ctrs.	Center
CU or Cu	Copper
Cu. Yd., CY, or C.Y.	Cubic Yard
Culv.	Culvert
Cwt.	Hundredweight
Cyl.	Cylindrical
D	Degree Of Curvature, Depth, Density, Distance, Diameter or Directional Distribution
D, Dia. or Ø	Diameter
DA	Drainage Area or Deflection Angle
DBH	Diameter At Breast Height
DBI	Ditch Bottom Inlet
Dbl.	Double
DCS	Degree Of Curvature (Spiral)
DD	Dry Density
DDHV	Directional Design Hour Traffic
Decel.	Deceleration
Deg.	Degree
Delin.	Delineators
Demobl.	Demobilization
Dept.	Department
Det.	Detour, Detection, Detectable
DFE	Design Flood Elevation
DGN or Dgn.	Design
DHV	Design Hourly Volume
DHW	Design High Water
DHWE	Design High Water Elevation
DI	Drop Inlet
Dim.	Dimension
Disp.	Disposal
Dist.	Distance
DLS	District Location Surveyor
DMM	Domestic Mail Manual
DOT	Department Of Transportation
DPI or D.P.I.	Ditch Point Intersection
DR	Design Review
Dr.	Drain, Drive
Driv.	Driven
Drwy.	Driveway
DS	Design Speed
DSL	Design Service Life
DT	Ditch
DTOE	District Traffic Operations Engineer
Dwg.	Drawing
E	East or External Distance
e	Superelevation rate
E to E	End to End
E.P. or EOP	Edge Of Pavement
EA or Ea.	Each
EB	Eastbound
ED	Each Day
EIA	Electronic Industries Alliance
El. or Elev.	Elevation
Elast.	Elastomeric
Elec.	Electric
Ellip.	Elliptical
Embed.	Embedment
Emb.	Embankment
Emul.	Emulsified
Encl.	Enclosure

7/1/2014 4:19:56 PM

7/1/2014 4:19:57 PM

Abbreviation	Meaning	Abbreviation	Meaning	Abbreviation	Meaning
Engr.	Engineer	Grd.	Ground	L	Length, Length Of Curve, Liter, Left or Taper Length, Buffer Length or Taper Length plus Buffer Space
EOS	End Of Survey or Equivalent Opening Size	GRI	Geosynthetic Research Institute	L/W	Lightweight
EPDM	Ethylene Propylene Diene Monomer	gross km	Gross Kilometer	LA or L/A	Limited Access
Eq.	Equation or Equal	Gtr.	Gutter	Lat.	Lateral or Latitude
Equip.	Equipment	h	Hecto	lb	Pound(s)
Esmt.	Easement	H	Henry	lb/sy	Pounds Per Square Yard
Est.	Establish or Established	ha	Hectare	lbf	Pound force
Est. or Estm.	Estimate	HAR	Highway Advisory Radio	LBR	Lime rock Bearing Ratio
Etc. or etc.	Et Cetera (And So Forth)	HB	Hay Bales	LC	Long Chord
ETP	Electronic Tough Pitch	HC	Horizontal Clearance	LCD	Longitudinal Channelizing Device
EW	Endwall	HD	High Density or Heavy Duty	LEO	Law Enforcement With Flashing Lights And Radar
Ex.	Except, Example	Hd.	Head	LF	Linear Foot (Feet)
Exc. or Excav.	Excavation	HDPE	High Density Polyethylene	LFD	Load Factor Design
Exist.	Existing	Hdwl.	Headwall	Lgth.	Length
Exp.	Expansion	HH	Heavy Hex	Lin.	Linear
Ext.	Extension	Hndrl.	Handrail	LM	Lane Mile
Exwy.	Expressway	HOA	Hand/Off/Automatic	Im	Lumen
F	Fill, Farad	Horiz. or Hor.	Horizontal	Lmrk.	Lime rock
F & I	Furnish & Install	HOT	High Occupancy Tolls	Loc.	Location
F or Final	Final Quantity	HOV	High Occupancy Vehicle	Long.	Longitude
F to F	Face to Face	HP	High Pressure or Horsepower	LOS	Limit Of Clear Sight
F.L., FL or \overline{f}	Flow Line	Hr.	Hour	LRFD	Load Resistance Factor Design
F.S.	Florida Statutes	Hse.	House	LRS	Low-Relaxation
FA	Federal Aid or Fine Aggregate	HSHV	High Strength Horizontal Vertical	LS	Length Of Spiral
FAC	Florida Administrative Code	Ht.	Height	LS	Lump Sum
FAP	Federal Aid Project	HW or H.W.	High Water or Hot Water	LT	Left Turn
FBT	Florida Bulb Tee	Hwy.	Highway	Lt.	Left
FC	Friction Course	Hyd.	Hydraulic	Ltd.	Lighted or Limited
FD	French Drain	Hz	Hertz	LU, Lum.	Luminaire
Fdn.	Foundation	I	External Angle (Delta), Interstate	Ix	Lux
FDOT	Florida Department Of Transportation	ID, I.D.	Inside Diameter or Identification	M	Mass, Middle Ordinate Length or Mega
FE	Floor Elevation	IES	Illuminating Engineering Society	m	Meter or Milli
Fed.	Federal	IMC	Intermediate Metal Conduit	m ²	Meter Square
Fert.	Fertilizer	in.	Inch(es)	m/s	Meters Per Second
FES	Flared End Section	Inc.	Incorporated or Including	m ³	Meter Cubed or Cubic Meter
FETS	Flared End Terminal Section	Incl. or Inc.	Included	m ³ /m	Meter Cubed Per Meter
FH	Fire Hydrant	Ind.	Industry or Industrial	Mach.	Machine
FHWA	Federal Highway Administration	Instal.	Installed	Maint.	Maintenance
FIB	Florida I Beam	Int.	Interior	MAS	Motorist Awareness System
Fig.	Figure	Intchg. or Ichg.	Interchange	MASH	Manual for Assessing Safety Hardware (AASHTO)
Fin.	Finish	Inter.	Intermediate	Matl.	Material
FL, Fl. or Fla.	Florida	Inv.	Invert	Max.	Maximum
Flex.	Flexible	IP	Iron Pipe	MB	Median Barrier
FNQ	Fuse (Type Slow Burn)	IR	Iron Rod	MBM	Thousand (Feet) Board Measure
FOC	Fiber Optics Cable	Isect.	Intersection	MD	Machine Direction (Geotextiles)
FPID	Financial Project Identification Number	Isl.	Island	Med.	Median
FPM or fpm	Feet Per Minute	ITE	Institute Of Transportation Engineers	Mega	One Million
FPS or fps	Feet Per Second	ITS	Intelligent Transportation Systems	Memb.	Member
FR or Fr.	Frame	J	Joule	MES	Mitered End Section
Frang.	Frangible	JB	Junction Box	Mess.	Message
Freq.	Frequency	Jct.	Junction	Mfg.	Manufactured or Manufacturer
FS	Far Side	Jt.	Joint	MG	1000 Gallons
Ft.	Foot or Feet	K	Design Hour Factor	MH, M.H.	Manhole or Mounting Height
FTB	Floating Turbidity Barrier	K	Kelvin	MHW	Mean High Water
FTBA	Florida Transportation Builder Association	k	Kilo (prefix)	Mi.	Mile
FTP	Florida Traffic Plans	kg	Kilogram	Micro	One-Millionth
Furn.	Furnish	kg/m	Kilogram Per Meter	Mid.	Middle
G	Giga, Gauss or Shear Modulus	kg/m ³	Kilogram Per Cubic Meter	Mil	One-Thousandth Of An Inch
g	Gram or Gravity	kg/m ²	Kilogram Per Square Meter	Mil.	Military
Ga.	Gauge or Gage	Kilo	One Thousand	Milli	One-Thousandth
Ga. or Gal.	Gallon	Kip	1000 Pounds	Min.	Minimum or Minute
Galv.	Galvanized	km	Kilometer	Misc.	Miscellaneous
Gar.	Garage	km/h	Kilometer Per Hour	mL	Milliliter
GD	Gutter Drain	kN	Kilonewton	MLW	Mean Low Water
GFI	Ground Fault Interrupter	kn	Knot	mm	Millimeter
GIP	Galvanized Iron Pipe	kPa	Kilopascal	Mobl.	Mobilization
GM	Gas Main	ksi	Kips Per Square Inch	Mod.	Modify or Modified
GP	Grade Point	kV	Kilovolt	Mol	Mole
Gr.	Grade, Guardrail or Grate	kVA	Kilovolt Ampere		
Gr. or Gro.	Gross	kWh	Kilowatt-hour		
Gr. Wt. or gr. wt.	Gross Weight				
GRC	Galvanized Rigid Steel Conduit				

7/1/2014 4:19:57 PM

Abbreviation	Meaning	Abbreviation	Meaning	Abbreviation	Meaning
Mon.	Monument	P.E. or PE	Professional Engineer	RR	Railroad
MOT	Maintenance Of Traffic	Ped	Pedestrian or Pedestal	RSDU	Radar Speed Display Unit
MOTC	Maintenance Of Traffic Committee	Pen.	Penetration	Rsf.	Resurface
MP	Mile Post	PG	Profile Grade	RU	Rack Unit
MPa	Megapascal	PGL	Profile Grade Line	RX	Receive
MPH or mph	Miles Per Hour	pH	Measure Of Acidity or Alkalinity	S or s	Speed, South, Siemens, Or Second
MSL	Mean Sea Level	Ph.	Phase	SAHM	Sand-Asphalt Hot Mix
MSTCSD	Minimum Specifications For Traffic Control Signal Devices	PI	Point Of Intersection	San.	Sanitary
Mtd.	Mounted	Pkg.	Parking	SB	Southbound
MUTCD	Manual On Uniform Traffic Control Devices	Pkwy.	Parkway	SBAC	Shell Base Asphaltic Concrete
MUTS	Manual On Uniform Traffic Studies	PL or \bar{P}	Property Line or Plate	SBRM	Sand Bituminous Road Mix
N	North or Newton	PM	12:00 Noon Until 11:59 Midnight	SBST	Shell Base Surface Treatment
N & C	Nail & Cap	POC	Point On Curve	SC	Seal Coat
N & D	Nail & Disk	POST	Point On Semi-Tangent	SC	Spiral To Curve
N.P.	Non Plastic	POT	Point On Tangent	Sch.	Schedule
N/m	Newtons Per Meter	PP	Power Pole	SCST	Sand-Clay Surface Treatment
N/m ³	Newtons Per Cubic Meter	PPB	Pier Protection Barrier	SD	Side Drain, Storm Drain
N/m ²	Newtons Per Square Meter	PPP	Polypropylene pipe	SD	Storm Drain
N/mm ²	Newtons Per Square Millimeter	Pr.	Pair	SE	Southeast
NA or N/A	Not Available or Not Applicable	PRC	Point Of Reverse Curvature	Sec.	Second
NAVD	National American Vertical Datum	Prcst.	Precast	Sect.	Section
NB	Northbound	Prest.	Prestressed	Sed.	Sediment
NC	National Coarse or Normal Crown	PRM	Permanent Reference Monument	Sep.	Separator
NCHRP	National Cooperative Highway Research Program	Prob.	Probability	Seq.	Sequential
NDCBU	Neighborhood Delivery And Collection Box Unit	Prod.	Product, Production, Producer or Produced	Serv.	Service
NE	Northeast	Prog.	Program or Progression	SF	Adjustment Factor In Percent, Silt Fence
NEMA	National Electrical Manufacturers Association	Proj.	Project or Projection	SG	Specific Gravity
net km	Net Kilometer	Prop.	Proposed	SG, Subgr.	Subgrade
NGS	National Geodetic Survey	Prov.	Provisions	Sh. or Sht.	Sheet
NGVD	National Geodetic Vertical Datum of 1929	PRS	Portable Regulatory Sign	Shldr.	Shoulder
NHS	National Highway System	PS & E	Plans, Specifications And Estimates	SHW	Seasonal High Water
NHW	Normal High Water	PSF or psf	Pounds Per Square Foot	SIP	Stay In Place
NIC	Not In Contract	PSI or psi	Pounds Per Square Inch	SLEO	Speed and Law Enforcement Officer
NJ	New Jersey	PSU	Prestressed Slab Unit	SP	Superpave
NM	Net Mile	PT	Point Of Tangency or Pressure Treated	Spa., Spcg. or Sp.	Space(ing)(s)
Nm	Newton Meter	PTFE	Polytetrafluoroethylene	Spec.	Specification
No.	Number	PVC	Polyvinyl Chloride	SPT	Standard Penetration Test
Nom.	Nominal	PW	Pressure Water	sq	Square
Norm.	Normal	Q	Peak Discharge or Flow Volume	Sq. Ft., SF, or S.F.	Square Foot
NPS	Nominal Pipe Size	R or Rad.	Radius	sq. in.	Square Inch
NPT	National Pipe Thread	R or Rng.	Range	Sq. Yd., SY or S.Y.	Square Yard
NRCP	Non-Reinforced Concrete Pipe	R, Rt.	Right	SR or S.R.	State Road
NRTL	Nationally Recognized Testing Laboratory	r/s	Revolution Per Second	SRAP	Spiral Rib Aluminum Pipe
NS	Non Stress, Not Suitable or Near Side	R/W, ROW	Right Of Way	SRASP	Spiral Rib Aluminized Steel Pipe
NT, N&T	Non Traffic, Nail & Tin	rad	Radian	SRCP	Steel Reinforced Concrete Pipe
NTS	Not To Scale	rad/s	Radian Per Second	SRD	State Road Department
NW	Northwest	RBAC	Rock Base Asphaltic Concrete	SRSP	Spiral Rib Steel Pipe
O to O, o to o or O.O.	Out to Out	RBST	Rock Base Surface Treatment	SS	Sanitary Sewer, Stainless Steel
O.B.G.	Optional Base Group	RC	Reverse Crown	SSMD	Solid State Modular Design
OA	Overall	RCP	Reinforced Concrete Pipe	ST	Surface Treatment or Spiral To Tangent
OC or O.C.	On Center	RCPA	Reinforced Concrete Pipe Arch	St. or ST.	Street
OD or O.D.	Outside Diameter	Rd.	Road or Round	Sta.	Station
OE	Overhead Electric	Rdsd.	Roadside	Stab.	Stability or Stabilization
OH, OHD or Ohd.	Overhead	Rdwy.	Roadway	STB	Staked Turbidity Barrier
Opass	Overpass	Rec.	Recovery	Std.	Standard
Opt.	Option, Optional or Optically	Rect.	Reticuline or Rectangular	Stg.	Strong
OT	Overhead Telephone	Ref.	Reference	Stge.	Storage
Oz.	Ounce	RefI.	Reflective	StI.	Steel
P	Passenger Car & Light Delivery Truck	Reg.	Region, Regular, Registered or Regulation	Str.	Structure
P or Plan	Plan Quantity	Reinf.	Reinforced or Reinforcing	Sty.	Story
Pa	Pascal	Rejuv.	Rejuvenation	SU	Single Unit Trucks
Pa.s	Pascal Second	Reloc.	Relocated	Sub. or Subs.	Subsoil
Par.	Parallel	Rem.	Removal	Sub. or Subst.	Substitute
Part.	Participation or Partition	Repl.	Replace	Suppts.	Supports
Pavt.	Pavement	Req. or Reqd.	Required	Sur.	Survey
PC	Point Of Curvature	Res.	Residence or Residential	Surf.	Surface
PCBC	Precast Concrete Box Culvert	RGS	Rigid Galvanized Steel	Sv	Sievert
PCC	Point Of Compound Curvature or Plain Cement Concrete	RHW	Insulation (Moisture & Heat Resistant Rubber)	SW	Southwest
PCE	Permanent Construction Easement	RM	Reference Monument	SW or Swk.	Sidewalk
PCF, pcf	Pounds per Cubic Foot	RP	Reference Point	Sym.	Symmetrical
PCMS	Portable Changeable Message Sign	RPM	Raised Reflective Pavement Markers	Sys. or Syst.	System
		rpm or r/min	Revolution Per Minute	t	Metric Ton

Abbreviation	Meaning
T	Tangent, Length Of Curve, Percent Trucks, Tesla
T, TWP or Twp.	Township
tan.	Tangent
TBM	Temporary Bench Mark
TC	Tangent To Curve
TCB	Temporary Concrete Barrier
TCE	Temporary Construction Easement
TCP	Terra Cotta Pipe
TCP	Traffic Control Plan(s)
TCZ	Traffic Control Zone
TDLC	Transportation Design For Livable Communities
Tel.	Telephone
Temp.	Temperature or Temporary
Theo.	Theoretical
THRMPLSTC	Thermoplastic
THW or THWN	Insulation (Flame Retardant, Moisture And Heat Resistant Thermoplastic)
Tk	Truck
Tk or Thick.	Thickness
TMA	Truck/Trailer Mounted Attenuator
Tn.	Ton
Traf.	Traffic
Trans.	Transition, Transverse, Translate or Transportation
Treat.	Treatment
TS	Tangent To Spiral
TSC	Length Of Tangent (Spiral Curve)
TTC	Temporary Traffic Control
TVSS	Transient Voltage Surge Suppression
TX	Transmit
Typ.	Typical
UG	Underground
UL	Underwriters Laboratories
Ult.	Ultimate
Ultd.	Unlimited
Unddr.	Underdrain(s)
Undrdwy.	Under roadway
unld.	Unloaded
Untr.	Untreated
Upass.	Underpass
UPS	Uninterruptible Power Supply
USC & GS	US Coast and Geodetic Survey (now National Geodetic Survey)
USGS	US Geological Survey
USPS	United States Postal Service
Util.	Utilities
UV	Ultraviolet
V	Volt, Velocity, Volume or Hourly Volume
Var.	Varies, Variable or Variance
VC	Vertical Curve
VCP	Vitrified Clay Pipe
Veh.	Vehicle
Vert.	Vertical
VF	Vertical Foot
Vh	Verified Horizontal Location
Vol.	Volume
VP	Vertical Panel
VPD or Vpd.	Vehicles Per Day
VPH or Vph.	Vehicles Per Hour
VPHPL or Vphpl.	Vehicles Per Hour Per Lane
VRMS	Volts Root Mean Square
Vv	Verified Vertical Elevation
Vvh	Verified Vertical Elevation And Horizontal Location
VW	Variable Width
W	Width, Wide, West or Watt
W.P.I.	Work Program Item
W/C	Water-Cement Ratio
WB	Westbound
Wb.	Weber
WB40	Semi Trailer, Intermediate

Abbreviation	Meaning
WB50	Semi Trailer, Large
WB62	Semi Trailer, Interstate
WB67D	Semi Trailer, Tandem
WM	Water Main
WT	Water Table Or Weight
WWF	Welded Wire Fabric
WWR	Welded Wire Reinforcing
X	Coordinate Value (East-West Direction) or Extra
X Rd.	Cross Road
Xing.	Crossing
Xsec.	Cross Section
Y	Coordinate Value (North-South Direction)
Yd.	Yard
Yr.	Year
Ω	Ohm

7/1/2014 4:19:58 PM