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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
Bldv.	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

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Abbreviation	Meaning
Engr.	Engineer
EOS	End Of Survey or Equivalent Opening Size
EPDM	Ethylene Propylene Diene Monomer
Eq.	Equation or Equal
Equip.	Equipment
Esmt.	Easement
Est.	Establish or Established
Est. or Estm.	Estimate
Etc. or etc.	Et Cetera (And So Forth)
ETP	Electronic Tough Pitch
EW	Endwall
Ex.	Except, Example
Exc. or Excav.	Excavation
Exist.	Existing
Exp.	Expansion
Ext.	Extension
Exwy.	Expressway
F	Fill, Farad
F & I	Furnish & Install
F or Final	Final Quantity
F to F	Face to Face
F.L., FL or \overline{f}	Flow Line
F.S.	Florida Statutes
FA	Federal Aid or Fine Aggregate
FAC	Florida Administrative Code
FAP	Federal Aid Project
FBT	Florida Bulb Tee
FC	Friction Course
FD	French Drain
Fdn.	Foundation
FDOT	Florida Department Of Transportation
FE	Floor Elevation
Fed.	Federal
Fert.	Fertilizer
FES	Flared End Section
FETS	Flared End Terminal Section
FH	Fire Hydrant
FHWA	Federal Highway Administration
FIB	Florida I Beam
Fig.	Figure
Fin.	Finish
FL, Fl. or Fla.	Florida
Flex.	Flexible
FNQ	Fuse (Type Slow Burn)
FOC	Fiber Optics Cable
FPID	Financial Project Identification Number
FPM or fpm	Feet Per Minute
FPS or fps	Feet Per Second
FR or Fr.	Frame
Frang.	Frangible
Freq.	Frequency
FS	Far Side
Ft.	Foot or Feet
FTB	Floating Turbidity Barrier
FTBA	Florida Transportation Builder Association
FTP	Florida Traffic Plans
Furn.	Furnish
G	Giga, Gauss or Shear Modulus
g	Gram or Gravity
Ga.	Gauge or Gage
Ga. or Gal.	Gallon
Galv.	Galvanized
Gar.	Garage
GD	Gutter Drain
GFI	Ground Fault Interrupter
GIP	Galvanized Iron Pipe
GM	Gas Main
GP	Grade Point
Gr.	Grade, Guardrail or Grate
Gr. or Gro.	Gross
Gr. Wt. or gr. wt.	Gross Weight
GRC	Galvanized Rigid Steel Conduit

Abbreviation	Meaning
Grd.	Ground
GRI	Geosynthetic Research Institute
gross km	Gross Kilometer
Gtr.	Gutter
h	Hecto
H	Henry
H.S., HS	High Strength
ha	Hectare
HAR	Highway Advisory Radio
HB	Hay Bales
HC	Horizontal Clearance
HD	High Density or Heavy Duty
Hd.	Head
HDPE	High Density Polyethylene
Hdwl.	Headwall
HH	Heavy Hex
Hndrl.	Handrail
HOA	Hand/Off/Automatic
Horiz. or Hor.	Horizontal
HOT	High Occupancy Tolls
HOV	High Occupancy Vehicle
HP	High Pressure or Horsepower
Hr.	Hour
Hse.	House
HSHV	High Strength Horizontal Vertical
Ht.	Height
HW or H.W.	High Water or Hot Water
Hwy.	Highway
Hyd.	Hydraulic
Hz	Hertz
I	External Angle (Delta), Interstate
ID, I.D.	Inside Diameter or Identification
IES	Illuminating Engineering Society
IMC	Intermediate Metal Conduit
in.	Inch(es)
Inc.	Incorporated or Including
Incl. or Inc.	Included
Ind.	Industry or Industrial
Install.	Installed
Int.	Interior
Intchg. or Ichg.	Interchange
Inter.	Intermediate
Inv.	Invert
IP	Iron Pipe
IR	Iron Rod
Isect.	Intersection
Isl.	Island
ITE	Institute Of Transportation Engineers
ITS	Intelligent Transportation Systems
J	Joule
JB	Junction Box
Jct.	Junction
Jt.	Joint
K	Design Hour Factor
K	Kelvin
k	Kilo (prefix)
kg	Kilogram
kg/m	Kilogram Per Meter
kg/m ³	Kilogram Per Cubic Meter
kg/m ²	Kilogram Per Square Meter
Kilo	One Thousand
Kip	1000 Pounds
km	Kilometer
km/h	Kilometer Per Hour
kN	Kilonewton
kn	Knot
kPa	Kilopascal
ksi	Kips Per Square Inch
kV	Kilovolt
kVA	Kilovolt Ampere
kWh	Kilowatt-hour

Abbreviation	Meaning
L	Length, Length Of Curve, Liter, Left or Taper Length, Buffer Length or Taper Length plus Buffer Space
L/W	Lightweight
LA or L/A	Limited Access
Lat.	Lateral or Latitude
lb	Pound(s)
lb/sy	Pounds Per Square Yard
lbf	Pound force
LBR	Lime rock Bearing Ratio
LC	Long Chord
LCD	Longitudinal Channelizing Device
LEO	Law Enforcement With Flashing Lights And Radar
LF	Linear Foot (Feet)
LFD	Load Factor Design
Lgth.	Length
Lin.	Linear
LM	Lane Mile
lm	Lumen
Lmrk.	Lime rock
Loc.	Location
Long.	Longitude
LOS	Limit Of Clear Sight
LRFD	Load Resistance Factor Design
LRS	Low-Relaxation
LS	Length Of Spiral
LS	Lump Sum
LT	Left Turn
Lt.	Left
Ltd.	Lighted or Limited
LU, Lum.	Luminaire
lx	Lux
M	Mass, Middle Ordinate Length or Mega
m	Meter or Milli
m ²	Meter Square
m/s	Meters Per Second
m ³	Meter Cubed or Cubic Meter
m ³ /m	Meter Cubed Per Meter
Mach.	Machine
Maint.	Maintenance
MAS	Motorist Awareness System
MASH	Manual for Assessing Safety Hardware (AASHTO)
Matl.	Material
Max.	Maximum
MB	Median Barrier
MBM	Thousand (Feet) Board Measure
MD	Machine Direction (Geotextiles)
Med.	Median
Mega	One Million
Membr.	Member
MES	Mitered End Section
Mess.	Message
Mfg.	Manufactured or Manufacturer
MG	1000 Gallons
MH, M.H.	Manhole or Mounting Height
MHW	Mean High Water
Mi.	Mile
Micro	One-Millionth
Mid.	Middle
Mil	One-Thousandth Of An Inch
Mil.	Military
Milli	One-Thousandth
Min.	Minimum or Minute
Misc.	Miscellaneous
mL	Milliliter
MLW	Mean Low Water
mm	Millimeter
Mobl.	Mobilization
Mod.	Modify or Modified
Mol	Mole

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

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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

LAST REVISION	REVISION	DESCRIPTION:		FDOT DESIGN STANDARDS 2013	STANDARD ABBREVIATIONS	INDEX NO.	SHEET NO.
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