

A Area or Ampere
AAASD American Automobile Association
AASTHO American Association of State Highway Officials
ABC Asphalt Base Course
ABS Absorbent
AC Acrylic/Nitrile-Butadiene-Styrene Pipe
AC, AC, AC, AC Asphalt Concrete
Accel. Acceleration
Adj. Adjusted
ADA The Americans With Disabilities Act
Adhesive Adhesive
Adj. Adjusted
AADT Average Daily Traffic
AADT Annual Average Daily Traffic
AAS Average
A Ahead
AISC American Institute of Steel Construction
Alt. Alternate
Alu. Aluminum
AZOD AZOD (Aluminum Nitrate) 5000 Moan
AKSI American National Standards Institute
ACS Asphalt Grading Size
Appl. Applied, Application
Appro. Approach
Appro. Approach
ARTBA American Road & Transportation Builders Association
Art. Art
Assem. Assembly
Asn. Association
Assoc. Associate, Association
ASTM American Society For Testing Materials
Att. Attention
Attnstr. Attention
Aux. or Auxil. Auxiliary
AWG American Wire Gauge
AWS American Welding Society
A. A
B to B Back to Back
B Basic
Bd. Board
Bc. or Bnd. Bond or Bonded
BC Bolt, Cap, or Bolt Circle
B.C., B.C. Bolt of Cap
BCMP 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
Be Buried Electric
BEP Base
BT Bituminous
B. Base
BL, BLC Base Line, Base Line Control
Bldg. Building
Bkshk. Bookshelf
Bwd. Boulevard
Bwh. Bench Mark
Bdry. Boundary
BLS Base Line Station
Bot. Bottom
BP Borrow Pit
Breq. Required
BR Bridge
Brk. Break
Bkwy. Breakaway
BT Buried Telephone Cable or Duct
Butt. Buttery
BW Barbed Wire, Bottom Worn or Both Ways
BS Basin Outlet
C Cantilever Length, Cur, Colorless, Counting or Cycle Length
C. Cent.
C, C, G Curb And Gutter
CA Course Aggregate
Cap. Capacity
CAP Corrugated Aluminum Pipe
Cass. Cassel Letters
CASP Corrugated Aluminum Steel Pipe
CATH Cable Termination
CB Catch Basin
CC Concrete Box Culvert
CBS Concrete Box Structure
CC, C/C, or C to C Center to Center
CCEW Center to Center Each Way
CD Cross Drain
Cem. Cement
Cem. Cemetery
Cem'd. Cemented
CFS Cubic Feet Per Second
Ch. Channel
EW Equipment Change
Chg. Changeable
C Change
CIP Cast Iron Pipe
CIP Cast In Place
C/C or C/C Circ. or Circular
C/C Circumference

Cl. Clear
Cl, or Clear Clearance
CL, C/L, or C/L Center Line
CM Concrete Monument
CMB Concrete Median Barrier
CMP Corrugated Metal Pipe
CMAA Corrugated Metal Pipe Arch
Co. Co.
Col. Column
Comm. Commercial or Common
Comm. Committee or By Committee
Comp. Comp.
Conn. Connect or Connection
Const. Concrete
Const. Contract or Construction
Contrl. Controller
Contn. Continuation
Contr. Contractor
Cord. Cord
Cor. Corner
Corr. Corrugated
CP Concrete Pipe
CPE Corrugated Polyethylene Pipe
CRA Control Radius or County Road
CRA Clear Recovery Area
C/C, or C/Ce. Curve
C/Ce. Curve To Spiral
CSP Corrugated Steel Pipe
CT Clear Type
Chvr. Churn
Chr. Chromium
CU or CU Copper
Culv. Culvert
CULV. Humpersweight
CY Cubic Yard
Cyl. Cylindrical
CZ Clear Zone
D Degree Of Curvature, Depth, Density, Distance, Diameter
or Directional Distribution
DA Driveway Area or Deflection Angle
DBH Diameter At Breast Height
DBI Ditch Bottom Inlet
Dbl. Double
DCCS Degree Of Curvature (Spiral)
DD Dry Density
DDNV Directional Design Hour Traffic
Decl. Declination
Deg. Degree
Delin. Delinquent
Demol. Demolition
Dept. Department
Det. Detector, Detection, Detectable
Design Design
DHR Design Hourly Volume
DHW Design High Water
DT Ditch
Dr. Drop Inlet
Dia. or D Diameter
Dim. Dimension
Dis. Distance
Disp. Disposal
Dist. District Location Surveyor
DMW Domestic Mail Manual
DOT Department Of Transportation
DPI Ditch Point Intersection
DR, or DR. Drivn, Drive or Design Review
Design Review
Driv. Driven
Drs. Driveway
DS Design Speed
DSL Design Service Life
Dwg. Drawing
E East or External Distance
Rate Of Superlevation
E to E End to End
Ea. or Ea. Each
EB Eastbound
Elev. Elevation
Elast. Elastomeric
Elec. Electric
Elev. Elevation
Emb. Embankment
Emul. Emulsion
Encl. Enclosure
Eng. Engineer
EOS End Of Survey or Equivalent Opening Size
Eq. Equipment
Equip. Equipment
Est. or Estm. Estimate
Est. or Estm. Established or Established
E/C Esters (And So Forth)
E. End
Ex. Except
Exc. or Excav. Excavation
Exist. Existing
Exp. Expansion
Ext. Extension
Exwy. Expressway

F Fill, Farnot
F or Final Furnish & Install
F to F Face to Face
F & F Face or Fine Aggregate
FAC Florida Administrative Code
FAP Florida Project
FCA Florida Contract
FD French Drain
Fdn. Foundation
FDOT Florida Department of Transportation
FE Floor Elevation
Fed. Federal
Fert. Fertilizer
FETS Flared End Terminal Section
FH Florida
FHWA Federal Highway Administration
Fig. Figure
Fl. Flank
Fl., Fl. or Fl. Flow Line
Flx. Flexible
Flx. Flexible (Flow Stop Burn)
FOG Foot Or Inch
FPS or fpm Feet Per Second
FR or Fr. Frame
Frag. Fragile
Freq. Frequency
FS For Sale
FS Foot or Feet
FT Floating Turbidity Barrier
FTMA Florida Transportation Builders Association
Furn. Furnish
Future Future
G Gage or Gauge
Gal. Gallon
G. Gage or Gage
Gal. Gallon
Gar. Garage
GD Gutter Drain
GIP Galvanized Iron Pipe
Gas Gas
GSP Grate Paving
Gr. Grate, Guardrail or Grate
Gr. or Gr. Grates
GRG Galvanized Rigid Steel Conduit
Gr. Grate
Grass Grass
Grass An. Grass Kilometer
Gr. or Gr. or Gr. Grass Weight
Gutter Gutter
Gray Gray
H Heavy
Hour or Hecto
Hect. Hectare
ha Hay Bales
HB High Base
HC High Horizontal Clearance
HD High Density or Heavy Duty
Head Head
Hdrl. Headrail
HH Heavy Hrs
Hmpt. Hump
HKA Hump Or Automatic
Horiz. or Hor. Horizontal
HSP High Speed or Horseshoe
HR. Hour
HS High Strength
Hr. Hour
Ht. Height
HVE High Water or Hot Water
Hy. Hydraulic
Hyz. Highways or Hydraulic
Hz. Hertz
I External Angle (Delta), Interstate
Interchange
IES Illuminating Engineering Society
IES Inside Diameter or Specification
IMS Intermediate Metal Conduit
Inc. Inch
Inc. Incorporated or Including
Inc. or Inc. Included
Ind. Industry or Industrial
IP Iron Pipe
Instal. Installed
Intersect. Intersection
Inst. Installed
ITE Institute of Transportation Engineers
J Joint
JB Junction Box
Jct. Junction
Jct. Joint

K Design Hour Factor or Kelvin
K Kilo (Prefix)
Kg Kilogram
kg/m Kilogram Per Meter
kg/m² Kilogram Per Square Meter
kg/m³ Kilogram Per Cubic Meter
Kilo One Thousand
Kilo 1000 Pounds
Kip Kilo Pounds
km Kilometer
Kilometer Per Hour
Kn. Knot
Kilometer
Kil. Kips Per Square Inch
Kil. Kilowatt
Kilowatt Ampere
Kilowatt
Kilowatt
L Length, Length Of Curve, Liter, Left
2-L Two Lane
Two-Lane One-Way
2LW Two-Lane Two-Way
L or L/A Limited Access Lane
Lm. Meter
Lm. Kilometer
Lat. Latitude
Long. Longitude
LBR Linear Bearing Ratio
LC Long Chord
L. Length
Lin. Linear
Lumen Lumen
Lm. Kilometer
Loc. LD Location
LS Length Of Spiral
LT Left Turn
L. Left
L. Length or Limited
Lum. Lumen
L/W Lightweight
L. Lux
M Mass, Width, Ordinate Length or Mass
Meter or Mill
m² Square Meter or Meter Square
m³ Cubic Meter or Meter Cubed
m/s Cubic Meter Per Meter
m/s Meters Per Second
Mach. Machine
Maint. Maintenance
Mat. Material
Mat. Material
MB Median Barrier
MCM Thousand (Feet) Board Measure
Med. Median
Mile Mile
Memb. Member
MES Mixed End Section
Message Message
Mfg. Manufactured or Manufacturer
Mfg. 1000 Gallons
Mf. Manhole
MWH Mean High Water
M. Mile
Mile One-Mileplus
Mile Mile
Mile One-Thousandth Of An Inch
Military Military
Mile One-Thousandth
Min. Minimum or Minute
Misc. Miscellaneous
Mile Mile
MLW Mean Low Water
mm Millimeter
Mod. Modification
Mod. Modify or Modified
Mole Mole
Mon. Monument
MOT Maintenance Of Traffic
MP Mile Post
Mph Miles Per Hour
Mph or mph Miles Per Hour
MSL Mean Sea Level
Mnt. Mounted
MTC Manual On Uniform Traffic Control Device
MUTS Manual On Uniform Traffic Signal

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD DESIGN

STANDARD ABBREVIATIONS

Revised By	Revised Date	Approved By	
Drawn By	HELEN B. STUBBS	Checked By	00
Checked By	00	Page	1 of 2

N North or Newton
N/m Newtons Per Meter
N/m² Newtons Per Square Meter
N/m³ Newtons Per Cubic Meter
N/m⁴ Newtons Per Square Millimeter
NA or N/A Not Available or Not Applicable
N & C N & C
NB Northbound
NC National Course
NDC/DU Neighborhood Delivery And Collection Box Unit
NE North
net Am Net Area
NEMA National Electrical Manufacturers Association
NDVD National Geographic Vertical Datum of 1989
NMS National Geographic Survey
NHW Normal High Water
NIC Not In Contract
NJ New Jersey
N/m Newton Meter
No. Number
Nom. Nominal
N/A Not Available
NS Non Street, Not Suitable or Near Side
NT, NBT Non Traffic, Not A Ton
NTS Not To Scale
NW Northwest

R or Rad. Radius
Range Range
rad Radial
Rate Per Second
RBAC Rock Base Asphaltic Concrete
RBSST Rock Base Surface Treatment
RCM Reinforced Concrete
RCPA Reinforced Concrete Pipe Arch
RS Road or Round
Roads Roadside
Rwy. Roadway
RAC Ref. Rect. Rectangle or Rectangular
Ref. Ref. Reference
Ref. Reflective
Reg. Reg. Regulation, Registered or Regulation
Rein. Reinforced or Reinforcing
Rejur. Rejuvenate
Reloc. Relocate
Rem. Removal
Rep. Repair
Req. or Req'd. Required
Res. Residence or Residential
Res. Resilient (Asphalts & Heat Resistant Rubber)
RM Rev. Revolution Per Minute
RP Reference Point
Rev Revolution Per Minute
RPM Polished Reflective Pavement Markers
r/s Revolution Per Second
RM Radius
Ref. Ref. Reference
R/W, RW Right Of Way
S or s Street, South, Sidewalk, Or Second
S/NW Sand Asphalt Hot Mix
SANW or Son. Sanitary
SB Southbound
SBAC Shell Base Asphaltic Concrete
SBHW Sand Blushless Road Mix
SBSST Shell Base Surface Treatment
SC Steel Coat or Spiral To Curve
Sch. Schedule
SCSP Sand Clay Surface Treatment
SD Side Drain, Storm Drain
SE Southeast
Sect. Section
Set. Settlement
Seq. Sequence
Seq. Sequential
Service Service
SI Adjustment Factor In Percent, Silt Fence
S/L Subgrade
SG or SpGr. Specific Gravity
Sh. or SH. Sheet
Shkr. Shrinker
SHW Seasonal High Water
Sh. Spacing
Soc. Square Foot
Soc. F.I. or SF. Square Foot
Sq. in. Square Inch
Sq. Ft. or Sq. Yard Square Foot
SR or S.R. State Road
SRAP Spiral Reinforced Aluminum Pipe
SRASP Spiral Reinforced Steel Pipe
SRSS Spiral Reinforced Steel Pipe
S/S Sanitary Sewer
SSMD Solid State Modular Design
ST Standing
St. or ST. Street
Stn. Station
Stab. Stability or Stabilization
STB Staked Turbidity Barrier
Stand. Standard
Str. String
Stp. Storage
Str. Structure
Str. Story
SU Single Unit Trucks
Sub. or Subst. Substitute
Subst. Substitute
Surf. Surface
SW Southwest
SW or SW. Siltwall
Syst. System
Sv. Siver

T, TRP or Two Tangent, Length Of Curve, Percent Trucks, Tels.
T. Township
T.M. Metric Ton
Tangent
TBM Temporary Bench Mark
TCT Tangent To Curve
TCB Temporary Concrete Barrier
TCE Temporary Construction Easement
TCS Terra Cotta Pipe
TCZ Traffic Control Zone
Tel. Telephone
Temp. Temperature or Temporary
Traff. Traffic
Theat. Theatrical
Thru/PLSTC Thermoplastic
Thru or ThruW. Thru or Through
Thick. Thickness
Th. Thickness or Truck
Tn. Ton
Trans. Trans. Trans. Transverse, Translate or Transportation
Treat. Treat.
TS Tangent To Spiral
TSC Tangent Length Of Spiral Curve
Typical
Ug. Underpass
UG Underground
UL Underlitters Laboratories
UL Unit
Unlt. Unlimited
Under. Underdrains
Underbr. Underbody
UNL or UNL. Unloaded
Unstr. Unstrated
US Coast and Geodetic Survey (now National Geodetic Survey)
USGS US Geological Survey
USPS United States Postal Service
USPS
V. Volt, Velocity, Volume or Hourly Volume
Var. Variable or Variance
VC Vertical Curve
VCP Vertical Clay Pipe
VCCP Valve Engineering Change Proposal
Veh. Vehicle
Ver. Vertical
VH Verified Horizontal Location
VMS Variable Message Sign
Vol. Volume
VPI Vertical Point
Vel. Velocities Per Day
VPH or VPH. Velocities Per Hour Per Lane
VPM Vel. Per Month
VVE Verified Vertical Elevation
VWH Verified Vertical Elevation And Horizontal Location
VW Variable Width
W Warm, Wide, West or West
W/C Water-Cement Ratio
WB Westbound
WB. Weber
WBAD Intermediate Semi Trailer
WBSS Large Semi Trailer
WBSS Medium Semi Trailer
WB. Water Main
W.P.P. Work Program Item
WT Water Table or Weight
W.W. Welded Wire Fabric
X East
Y Cross Road
Yng. Crossing
X. Cross Section
Y Coordinate Value (North-South Direction)
Yr. Year

UNITS OF MEASURE

US MEASUREMENT

AC Acre
AS Assembly
BU Bushel
CF Cubic Foot
Clearcut
CY Cubic Yard
EA Each
ED Each Day
GA Gallon
GS Gross
LB Pound
L Linear Foot
LM Lineal Meter
LD Per Location
LS Lump Sum
LU Luminaire
LTD Thousand Board Measure
M Thousand Gallons
MH Man Hour
MM Net Mile
PM Per Analysis
PB Per Building
PI Pole
PI Per Intersection
PL Plate
PM Per Mile
PS Per Set
PW Per Well
SP Square Foot
SV Square Yard
TN Ton

METRIC MEASUREMENT

AS Assembly
CD Clearcut
DA Day
EA Each
ED Each Day
EK Gross Kilometer
HA Hectare
HR Hour
KG Kilogram
KI Kilometer
KM Kilometer
L Liter
LK Lane Kilometer
LD Per Location
LS Lump Sum
LS/AS Lump Sum Per Assembly
LS/MD Lump Sum Per Day
LS/EA Lump Sum Per EA
LS/LM Lump Sum Per Lume
LS/KB Lump Sum Per Kilogram
LS/LS Lump Sum Per Lump Sum
LS/AT Lump Sum Per Metric Ton
LS/M Lump Sum Per Linear Meter
LS/M² Lump Sum Per Square Meter
LU Luminaire
MM Month
MD Metric Ton
MT Metric Ton
BU Bushel
MS Square Meter
NA Net Kilometer
PA Per Analysis
PB Per Building
PI Plate
PI Per Intersection
PW Per Well

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD DESIGN

STANDARD ABBREVIATIONS

Designed By	Checked By	Approved By
Drawn By	DATE	SCALE
Checked By	00 2 of 2 OOI	